

Commercial Connect, LLC.

.SHOP Gateway Payload Specification (Version 12.0)

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General information concerning request/response syntax

This payload definition specifies the syntax of requests accepted by the CCLLC Registry and the corresponding responses. The format is based on the payload used for the CCLLC .shop Registry. Basically it consists of key/value pairs where each pair is given on a separate input/output line of the request/response; key and value are separated by a colon. The following general rules apply:

- The order in which the lines appear is not important.*
- Whitespace at the beginning of request lines and before and after the key-value separator is allowed and not considered as a part of the key or value.*
- To enable the use of whitespace at the beginning of a value and multi-line fields the gateway will accept the quoting convention of the CCLLC .shop Registry (using double quotes ()) at the beginning and end of the value).*

To enter double quotes within field values specified this way two double quotes () must be used.

- To facilitate migration for CCLLC members the gateway tries to accept the .shop registry request format for .biz/ domain registrations if possible.*

Where applicable this will be achieved by accepting .shop registry fieldnames as aliases for new payload fields; missing data (i.e. authorization information/Registry id) will be generated where appropriate. Phone numbers will be fixed to comply with registry conventions. sld/tld fields will be combined to satisfy the new domain.name field. If aliases are available they are mentioned in the specification of the fields.

However the above mappings will only be made for a payload version below 2.0. If the CCLLC member chooses 2.0 or higher as the payload version the gateway will apply rigid checking of the request format against its native payload specification and reject any legacy requests.

- Even if the .shop registry request format is used the gateway will return its native response format. An exception is made for .shop registry return codes to give existing parsers a chance to check for success/failure. Inquire-commands will never return .shop registry response fields.*
- The gateway reacts to a normal command by sending two responses. The first is an acknowledge (response.type: acknowledge) and is sent immediately after the reception at the server to notify that the request has been received that it is syntactically correct that the client authentication was successful that it conforms so far to the protocol and that it can be queued for processing. It does not however give any clues whether the processing of the request will succeed or fail. If one of the conditions above is not satisfied the command's nominal response is sent back instead indicating the corresponding error.*

The acknowledge response consists of the following fields:

Key	Value type/content	Description
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<i>response.type</i>	<i>'acknowledge'</i>	<i>Specifies the acknowledge response type.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>

The responses to all commands may contain billing information concerning the involved account's name change and balance. However this information is omitted if the command's execution is free of charge.

COMMAND TYPE: create contact

Description:

Create a new contact object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'contact.create'	Identifies the command type for contact creation. Backward compatibility: Key: request-ty Value: Create.con
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 6 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: Registra.
<i>effectivemember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.

<i>transaction.id</i>	Required	Character string	The CCLL member's arbitrary internal transaction id. Backward compatibility: Key: <i>transaction.id</i>
<i>contact.id</i>	Optional	Character string	The id that should be assigned to the created contact.
<i>contact.name</i>	Required	Character string min. 1 max. 12 characters	Name of the individual or the role represented by contact
<i>contact.title</i>	Optional	Character string min. 1 max. 12 characters	Title of the individual.
<i>contact.ianization</i>	Optional	Character string min. 1 max. 12 characters	Name of the organization with which the contact affiliated.
<i>contact.address.street.<1-3></i>	First index required	Character string min. 1 max. 6 characters	The contact's first second and third street address
<i>contact.address.city</i>	Required	Character string min. 1 max. 6 characters	The contact's city.
<i>contact.address.state</i>	Optional	Character string min. 1 max. 6 characters	The contact's state or province.
<i>contact.address.postalcode</i>	Required	Character string min. 1 max. 10 characters	The contact's postal code.
<i>contact.address.countrycode</i>	Required	ISO-3166 country code min. 2 max. 3 characters	The contact's country code (two-character ISO 3166 country code).
<i>contact.i15d.name</i>	Required	Character string min. 1 max. 12 characters	Name of the party responsible for the registration
<i>contact.i15d.title</i>	Optional	Character string min. 1 max. 12 characters	Title of the party responsible for the registration
<i>contact.i15d.ianization</i>	Optional	Character string min. 1 max. 12 characters	Name of the organization with which the contact affiliated. [internationalized version]
<i>contact.i15d.address.street.<1-3></i>	First Index Required	Character string min. 1 max. 6 characters	The contact's first second and third street address [internationalized version]
<i>contact.i15d.address.city</i>	Required	Character string min. 1 max. 6 characters	The contact's city. [internationalized version]

<i>contact.i15d.address.state</i>	<i>Optional</i>	<i>Character string min. 1 max. 64 characters</i>	<i>The contact's state or province. [internationalized version]</i>
<i>contact.i15d.address.postalcode</i>	Required	<i>Character string min. 1 max. 10 characters</i>	<i>The contact's postal code. [internationalized version]</i>
<i>contact.i15d.address.countrycode</i>	Required	<i>ISO-3166 country code min. 2 max. 3 characters</i>	<i>The contact's country code (two-character ISO 3166 country code). [internationalized version]</i>
<i>contact.voice.number</i>	Required	<i>Character string that must begin with a plus '+' sign followed by country code followed by a dot '.' followed by a sequence of digits representing the telephone number min. 1 max. 17 characters</i>	<i>The contact's voice telephone number.</i>
<i>contact.voice.extension</i>	<i>Optional</i>	<i>Character string min. 1 max. 8 characters pattern (regular expression): '^d+\$'</i>	<i>The contact's voice telephone number extension.</i>
<i>contact.fax</i>	<i>Optional</i>	<i>Character string that must begin with a plus '+' sign followed by country code followed by a dot '.' followed by a sequence of digits representing the telephone number min. 1 max. 17 characters</i>	<i>The contact's facsimile telephone number.</i>
<i>contact.fax.extension</i>	<i>Optional</i>	<i>Character string min. 1 max. 8 characters pattern (regular expression): '^d+\$'</i>	<i>The contact's fax number extension.</i>
<i>contact.email</i>	Required	<i>Character string representing a valid e-mail address min. 1 max. 132 characters</i>	<i>The contact's e-mail address.</i>
<i>contact.language</i>	<i>Optional</i>	<i>Language tag according to RFC 3066</i>	<i>The contact's preferred natural language.</i>
<i>contact.authinfo</i>	Required	<i>Character string min. 4 max. 8 characters</i>	<i>The authorization information specified by the registrant (pass phrase/password).</i>
<i>contact.maintainer</i>	<i>Optional</i>	<i>Character string min. 1 max. 128 characters</i>	<i>Id or URL of the CCLLC member's reseller (if the member is a reseller).</i>

		<i>characters (full Unicode charse</i>	<i>contact is not directly maintained by the CCLL member).</i>
<i>contact.datapolicy</i>	<i>Optional</i>	<i>'restrictive' 'permissive' (defaultvalue: restrictive)</i>	<i>Specifies whether the contact's data may be used for marketing purposes. restrictive disallows the use of data for marketing purposes. permissive allows it.</i>
<i>contact.type</i>	<i>Optional</i>	<i>'registrant' 'onsite' 'billing' 'tech'</i>	<i>Specifies the type of a contact. The given value filters the contact for a special use. NOTE: The contact types billing and tech cannot be created by CCLL Members.</i>
<i>contact.vat</i>	<i>Optional</i>	<i>Character string</i>	<i>Specifies the VAT of the contact.</i>

Key	Value type/content	Description
<i>response.type</i>	<i>'contact.create'</i>	<i>Specifies the response type for contact creation.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>contact.id</i>	<i>Character string</i>	<i>The id assigned to the created contact (in case of successful completion).</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N. The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

Request:

request.type: contact.create
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
contact.id: contact1-ID
contact.name: John Doe
contact.title: Dr.
contactanization: ACME Solutions
contact.address.street.1: 100 Centre St
contact.address.city: Townsville
contact.address.state: County Derry
contact.address.postalcode: Z1Z 1Z1
contact.address.countrycode: CA
contact.voice.number: +1.4165559999
contact.voice.extension: 1232
contact.fax: +1.4165558888
contact.fax.extension: 1232
contact.email: jdoe@acmesolutions
contact.language: en-US
contact.authinfo: mySecret
contact.maintainer: http://www.myreseller.com
contact.datapolicy: permissive

Response:

response.type: contact.create
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
contact.id: contact1-ID
account.name: main

accountage: 0
account.newbalance: 10230

COMMAND TYPE: create auto-sync contact

Description:

Create a new contact object that is automatically synchronized from a contact of a different registry. If already such a contact exists for the specified contact no new contact is created but the existing is returned instead. The synchronization is abandoned if the contact is modified or deleted or if the archetype contact is deleted. Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'contact.create.autosync'	Identifies the command type for auto-sync contact creation.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: K _i payload-version Va. 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: k registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.

<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional	<i>dotShop</i>	Note: CCLLC is currently only registering domain names in the <i>.shop</i> registry
<i>autosync.master.id</i>	Required	Character string	Specifies the contact archetype which shall be used as a source for the data contained. The referenced contact must be contained in the Gateway's database. If no registry type is given it is searched in the whole database. Please note that it is not allowed to specify contact of the same registry.
<i>autosync.registry.id</i>	Optional	<i>dotShop</i>	Specifies the registry the contact archetype is located in.

Response format:

Key	Value type/content	Description
<i>response.type</i>	'contact.create.autosync'	Specifies the response type for contact creation.
<i>payload.version</i>	'2.0'	Version of the payload format used in the response.
<i>result.code</i>	Integer value	The overall numeric result code of the command.
<i>result.msg</i>	Character string	The overall result of the command in human-readable form.
<i>transaction.id</i>	Character string	The transaction id specified in the request.
<i>registry.transaction.id</i>	Character string	The transaction id assigned by the registry.
<i>contact.id</i>	Character string	In case of a successful completion it contains the ID assigned to the created contact or if already a synchronized contact exists the ID of the contact.
<i>result.<1-∞>.code</i>	Integer value	Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.
<i>result.<1-∞>.msg</i>	Character string	The specific result of the command in human-readable form.
<i>result.<1-∞>.error.<1-∞></i>	Character string	The field value from the request which caused the corresponding result.
<i>result.<1-∞>.key.<1-∞></i>	Character string	The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are

			<i>only supplied for errors detected by the gateway frontend.</i>
<i>account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

:

Request:

request.type: contact.create.autosync
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
autosync.master.id: COCO-1234
autosync.registry.id: dotShop

Response:

response.type: contact.create.autosync
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
contact.id: contact1-ID
account.name: main
accountange: 0
account.newbalance: 10230

Command Type: create host

*Description:
Create a new host object.*

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'host.create'</i>	<i>Identifies the command type for host creation. Backward compatibility: Key: request-i Value: create host</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for command sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for command sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for this transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>
<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: Key: transactio</i>
<i>registry.id</i>	<i>Optional</i>	<i>dotShop</i>	<i>Id of the involved registry. Note CCLLC will be</i>

				using the .shop registry only
<i>host.name</i>	Required		Character string 1 max. 132 characters (full Unicode charset)	The fully qualified host name.
<i>host.name.i15d</i>	Optional		Character string 1 max. 132 characters (full Unicode charset)	This field contains the presentation form of the corresponding <i>host.name</i> field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.
<i>host.addr.<1-∞>.value</i>			Character string	An IP address of the host.
<i>host.addr.<1-∞>.type</i>	Optional		'ipv4' 'ipv6' (defaultvalue: ipv4)	The type of the corresponding IP address (IPV4 or IPV6).
<i>host.authinfo</i>	Optional		Character string 4 max. 89 characters	The authorization information (pass phrase/password) to be associated with the host. Note: EPP currently doesn't associate authorization information with host objects; this optional field is provided for future use.
<i>host.maintainer</i>	Optional		Character string 1 max. 128 characters (full Unicode charset)	Id or URL of the CCLLC member's reseller (if the host is not directly maintained by the CCLLC member).
<i>addon.*</i>	Optional		Character string	Any field that matches the given prefix is used for the value adding services supplied by CCLLC. The description of the specific fields available is out of scope of this document.

Response format:

Key	Value type/content	Description
<i>response.type</i>	'host.create'	Specifies the response type for host creation.
<i>payload.version</i>	'2.0'	Version of the payload format used in the response.
<i>result.code</i>	Integer value	The overall numeric result code of the command.

<i>result.msg</i>	Character string	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	Character string	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	Character string	<i>The transaction id assigned by the registry.</i>
<i>host.name</i>	Character string	<i>The name of the host specified in the request.</i>
<i>host.name.i15d</i>	Character string (full Unicode charset)	<i>This field contains the presentation form of the host name.</i>
<i>host.id</i>	Character string	<i>The id assigned to the host by the registry.</i>
<i>account.name</i>	'main'	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	Floating point value	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	Floating point value	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	Integer value	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	Character string	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	Character string	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	Character string	<i>The field (key) from the request which caused the corresponding result. N_i The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: host.create

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
host.name: ns1.domain.shop
host.name.i15d: ns1.domain.shop
host.addr.1.value: 100.103.44.15
host.addr.1.type: ipv4
host.authinfo: mySecret
host.maintainer: http://www.myreseller.com
addon.: foobarResponse:*
response.type: host.create
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
host.name: ns1.domain
host.name.i15d: ns1.domain.shop
host.id: host1-ID
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: apply domain

Description:

Apply for a domain.

	Key	Occurrence		Value type/content		Description
	<i>request.type</i>	Required		<i>'domain.apply'</i>		<p><i>Identifies the command type for domain creation in a sunrise phase.</i></p> <p><i>Backward compatibility:</i></p> <p><i>request.type</i></p> <p><i>apply domain</i></p>
	<i>payload.version</i>	Required		<i>'2.0'</i>		<p><i>Version of the payload format used in the request.</i></p> <p><i>Backward compatibility:</i></p> <p><i>payload-version</i></p> <p><i>1.0 (may be used to activate compatibility mode)</i></p>
	<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' specified)</i>		<i>One time password consisting of 3 letters and digits</i>		<p><i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i></p>
	<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' specified)</i>		<i>Character string</i>		<p><i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i></p>

			<i>be omitted if alternative field 'transaction.otp' specified)</i>		
	<i>CCLLCmber.id</i>		Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: reg ar.</i>
	<i>effectivember.id</i>		<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field for maintenance purposes only and is not allowed for normal CCLLC members</i>
	<i>transaction.id</i>		Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: trans on-i</i>
	<i>registry.id</i>		<i>Optional</i>	<i>Default Value: dotShop</i>	<i>Id of the involved registry</i>
	<i>domain.name</i>		Required	<i>Character string min. 1 max. 67 characters (full Unicode charset)</i>	<i>The name of the domain (including top level domain)</i>
	<i>domain.right.type</i>		<i>Optional</i>	<i>'PUBLICBODY' 'REG-TM-NAT' 'REG-TM-COM-INTL' 'GEO-DOO' 'COMP-ID' 'UNREG-TM' 'TITLE-ART' 'OTHER'</i>	<i>Available during sunrise periods only</i> <i>Fields available in sunrise period 1:</i> <ul style="list-style-type: none"> • PUBLICBODY • REG-TM-NAT • REG-TM-COM-INTL <ul style="list-style-type: none"> • GEO-DOO <i>Additional fields available in sunrise period 2:</i> <ul style="list-style-type: none"> • COMP-ID

					<ul style="list-style-type: none"> • UNREG-TM • TITLES-ART • OTHER
	<i>domain.right.name</i>	<i>Optional</i>	<i>Character string min. 1 max. 255 characters</i>		<p><i>String representing the name of the right. As the domain name applied for may be different from the name for which the prior right exists this field is used to specify the correct name. E.g. the domain name applied for might be c-and-a while a prior right exists on the name C&A. In this case C&A should be mentioned in this field</i></p>
	<i>domain.right.country</i>	<i>Optional</i>	<i>Character string min. 2 max. 2 characters</i>		<p><i>The following country codes will be accepted:</i></p> <ul style="list-style-type: none"> • AT • FR • LV • AT • BE • CZ • CY • DE • DK • ES • EE • FI • FR • GB • GR • HU • IE • IT • LT

				<ul style="list-style-type: none"> • LU • LV • MT • NL • PL • PT • SE • SK • SI <p><i>Other accepted codes:</i></p> <ul style="list-style-type: none"> • AX • GF • GI • GP • MQ • RE
	<i>domain.evidence.type</i>	<i>Optional</i>	<i>'applicant' 'registrar'</i> <i>'thirdparty'</i>	<p><i>String representing the documentary evidence. The field must contain one of the listed values:</i></p> <ul style="list-style-type: none"> • <i>applicant</i> • <i>registrar</i> • <i>thirdparty</i>

				<p><i>This is the language of the evidence proving the prior right. It can only be one of the official languages of the EU.</i></p> <ul style="list-style-type: none"> • cs • da • de • el • en • es • et • fi • fr • hu • it • lt • lv • mt • nl • pl • sk • sl • sv
	<i>domain.evidence.lang</i>	<i>Optional</i>	<i>'cs' 'da' 'de' 'el' 'en' 'es' 'et' 'fi' 'fr' 'hu' 'it' 'lt' 'lv' 'mt' 'nl' 'pl' 'sk' 'sl' 'sv'</i>	
	<i>domain.evidence.thirdpartyemail</i>	<i>Optional</i>	<i>Character string min. 2 max. 255 characters</i>	<i>This field is required if domain.evidence.type is thirdparty.</i>
	<i>ns.<1-∞>.name</i>	<i>Optional</i>	<i>Character string min. 1 max. 100 characters</i>	<i>The fully qualified name of a host (name server) to be associated with the domain. A host with this name must exist in the involved registry.</i>
	<i>ns.<1-∞>.address.<1-∞>.value</i>	<i>Optional</i>	<i>Character string min. 1 max. 100 characters</i>	<i>The IP address of the host given in the specified format</i>
	<i>ns.<1-∞>.address.<1-∞>.type</i>	<i>Optional</i>	<i>'v4' 'v6'</i>	<i>This field specifies the address type of the given name server</i>
	<i>contact.<1-∞>.id</i>	<i>Optional</i>	<i>Character string min. 1</i>	<i>The id of a contact to be associated with</i>

			<i>characters</i>	<i>the domain. A contact with this name must exists in the involved registry. The number and types of required contact are registry specific.</i>
	<i>contact.<1-∞>.type</i>	<i>Optional</i>	<i>'billing' 'registrant' 'tech' 'admin' 'onsite' 'ced' 'op' 'agent'</i>	<p><i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i></p> <p><i>There must be one onsite contact at least and exactly one registrant contact specified.</i></p> <p><i>There must be one registrant admin billing tech and ced contact specified. The ced contact handle must be equal to one of the contact handles of admin billing tech or registrant. For all sunrise phases one opn contact must be added additionally. An agent contact can be specified. Onsite contacts are not supported.</i></p>
	<i>period.value</i>	<i>Optional</i>	<i>Integer value min. 2 max. 10</i>	<i>The object's actual registration period in years.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.apply'</i>	<i>Specifies the response type for domain creation.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable format.</i>

				<i>form.</i>
<i>transaction.id</i>		<i>Character string</i>		<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>		<i>Character string</i>		<i>The transaction id assigned by the registry.</i>
<i>domain.name</i>		<i>Character string</i>		<i>The name of the domain (including top level domain) specified in the request.</i>
<i>creation.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and have to be specified literally the final 's' denote the decimal fraction of the second.</i>		<i>The creation date of the object according to the registry.</i>
<i>expiration.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and have to be specified literally the final 's' denote the decimal fraction of the second.</i>		<i>The expiration date of the object according to the registry.</i>
<i>domain.id</i>		<i>Character string</i>		<i>The id assigned to the domain by the registry.</i>
<i>account.name</i>		<i>'main'</i>		<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountchange</i>		<i>Floating point value</i>		<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>		<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>		<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>		<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>		<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>N</i>	<i>The field (key) from the request which caused the corresponding result. The keys are not supplied for errors found by EPP registry server because EPP does not provide them — only the offending values are</i>

					<i>supplied in this case. Offending keys are on supplied for errors detected by the gateway frontend.</i>
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Request:

request.type: domain.apply

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

domain.name: domain

.phase: 1

domain.right.type: PUBLICBODY

domain.right.name: C&A

domain.right.country: GB

domain.evidence.type: thirdparty

domain.evidence.lang: de

domain.evidence.thirdpartyemail: email@domain.com

ns.1.name: ns1.domain

ns.1.address.1.value: 123.145.167.212

ns.1.address.1.type: v4

contact.1.id: contact1-ID

contact.1.type: admin

period.value: 2

.phase: 1

.ipr.name: Bob Smith

.ipr.countrycode: in

.ipr.pre.verified: 12345

.ipr.number: sun3

.ipr.applied: 2004-02-16

.ipr.registered: 2006-02-16

.ipr.class: 2

.ipr.entitlement: owner

*.ipr.form: corporation
.authinfo: mySecretResponse:
response.type: domain.apply
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
domain.name: domain
creation.date: 2005-12-17T22:00:00.0Z
exation.date: 2003-05-17T22:00:00.0Z
domain.id: domain1-ID
account.name: main
accountange: -50
account.newbalance: 10230*

COMMAND TYPE: create domain

Description:

Create a new domain object.

If the member chooses to use the convenience mode the Gateway makes various heuristic attempts to fix data that seems incorrect. The convenience mode is by default off as it might interfere with the established way of interaction between member and Gateway. Please contact the secretariat to have it activated. In detail the following operations are performed:

- The registry type is checked against the domain name. If it does not match the registry type is corrected.
- If the specified contacts are those of a different registry they are replaced by corresponding auto-sync contacts which are created on the fly.

If the roles are not suitable or the domain they are changed. The following rules apply: If the owner is missing the admin is taken. If the admin is missing the owner billing tech or zone contact is taken (with decreasing preference). tech: zone/admin/billing/owner zone: tech/admin/billing/owner billing: admin/owner/zone/tech. The replacement is not performed recursively i.e. a missing registrant will not be replaced by the tech contact if the admin is also missing. Instead the request is rejected.

Request format:

	Key		Occurrence		Value type/content		Description
	<i>request.type</i>		Required		'domain.create'		<p><i>Identifies the command type for domain creation.</i></p> <p><i>Backward compatibility: request-type</i></p> <p><i>create domain</i></p>
	<i>payload.version</i>		Required		'2.0'		<p><i>Version of the payload format used in the request.</i></p> <p><i>Backward compatibility: payload-version</i></p> <p><i>1.0 (may be used to activate compatibility)</i></p>

					<i>mode)</i>
	<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' specified)</i>		<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp list) to be used for this transaction.</i>
	<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' specified)</i>		<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
	<i>CCLLCmber.id</i>	<i>Required</i>		<i>Character string</i>	<i>Id of the requesting CCLLC member Backward compatibility: registrar-</i>
	<i>effectivember.id</i>	<i>Optional</i>		<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
	<i>transaction.id</i>	<i>Required</i>		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: transaction-i</i>
	<i>registry.id</i>	<i>Optional</i>		<i>dotShop</i>	<i>Default: dotShop</i>
	<i>ens.sponsor.<1-3></i>	<i>Optional</i>		<i>Character string representing a valid e-mail address</i>	<i>Specifies one sponsor contact e-mail address for this domain. If sponsor-based authorization is used a domain must have either exactly one or exactly three sponsor contact e-mail addresses</i>

	<i>ens.auth.id</i>		<i>Optional</i>	<i>Character string min. max. 20 characters</i>	<i>ID of ENS Authorization record on which the registration is based.</i>
	<i>ens.auth.key</i>		<i>Optional</i>	<i>Character string min. max. 20 characters</i>	<i>The authentication key (password). Must match the ENS_Auth record identified by ens.auth.id.</i>
	<i>registration.type</i>		<i>Optional</i>	<i>Character string min. max. 128 characters</i>	<i>The type of registration.</i>
	<i>ens.refurl</i>		<i>Optional</i>	<i>Character string min. max. 255 characters</i>	<i>This field contains the web site reference as an evidence for the eligibility specified as a URL.</i>
	<i>ens.promotion.code</i>		<i>Optional</i>	<i>Character string min. max. 20 characters</i>	<i>This field contains the promotion code that shall be used for this operation.</i>
	<i>domain.name</i>		<i>Required</i>	<i>Character string min. max. 131 characters (full Unicode character set)</i>	<i>The name of the domain (including top level domain).</i>
	<i>domain.name.i15d</i>		<i>Optional</i>	<i>Character string min. max. 131 characters (full Unicode character set)</i>	<i>This field contains the presentation form of the corresponding domain.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
	<i>domain.variant.<1-∞>.name</i>		<i>Optional</i>	<i>Character string min. max. 67 characters (full Unicode charset)</i>	<i>This field specifies an additional domain name variant that shall be registered along with the base name. The field must contain either the presentation form or its Punycode encoded form.</i>
	<i>domain.variant.<1-∞>.name.i15d</i>		<i>Optional</i>	<i>Character string min. max. 67 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding domain.variant.#.name field to ensure the integrity of the name. If the field is specified the other field may not contain a name in presentation form but must use the Punycode</i>

				encoding. If the Punycode form represents a different name than the presentation form the request is rejected.
<i>domain.name.language</i>		<i>Optional</i>	<i>Language tag according to RFC 3066</i>	<i>This field defines the language context of the domain name. Depending on the registry policy the registry may use it to register reserve or block language specific variants of the domain name.</i>
<i>domain.authinfo</i>		<i>Required</i>	<i>Character string min. max. 89 characters</i>	<i>The authorization information specific to the registrant (pass phrase/password).</i>
<i>domain.maintainer</i>		<i>Optional</i>	<i>Character string min. max. 128 characters (full Unicode characters)</i>	<i>Id or URL of the CCLLC member's reseller (if the domain is not directly maintained by the CCLLC member).</i>
<i>ns.<1-∞>.name</i>		<i>Optional</i>	<i>Character string min. max. 132 characters (full Unicode characters)</i>	<i>The fully qualified name of a host (name server) to be associated with the domain. A host with this name must exist in the involved registry. The number of required name servers is registry specific.</i>
<i>ns.<1-∞>.name.i15d</i>		<i>Optional</i>	<i>Character string min. max. 132 characters (full Unicode characters)</i>	<i>This field contains the presentation form of the corresponding ns.#.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>ns.<1-∞>.id</i>		<i>Optional</i>	<i>Character string</i>	<i>The id of a host to be associated with the domain (may be specified as an alternative to the host's name). The same registry specific restrictions apply as the ns.#.name field</i>
<i>ns.<1-∞>.address.<1-∞>.value</i>		<i>Optional</i>	<i>Character string min. max. 45 characters</i>	<i>The IP address of the host given in the specified format.</i>

	<i>ns.<1-∞>.address.<1-∞>.type</i>		<i>Optional</i>		'v4' 'v6'	<i>This field specifies the address type of the given name server.</i>
	<i>contact.<1-∞>.id</i>		<i>Optional</i>		<i>Character string min. characters</i>	<i>The id of a contact to be associated with the domain. A contact with this name must exist in the involved registry. The number and types of required contacts are registry specific.</i>
	<i>contact.<1-∞>.type</i>		<i>Optional</i>		'admin' 'billing' 'registrar' 'tech' 'zone' 'onsite' 'ced' 'opn'	<i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i>
	<i>period.unit</i>		<i>Optional</i>		'y' 'm' defaultvalue: y	<i>The unit of measurement for the object's period (years or months). Only year may be specified at the period unit. Only year may be specified at the period unit.</i>
	<i>period.value</i>		Required		<i>Integer value min. 1 max. 99</i>	<i>The object's actual registration period as a multiple of the unit.</i>
	<i>.uin</i>		<i>Optional</i>		<i>Character string</i>	<i>The Unique Identification Number</i>
	<i>dnssec.ds.<1-∞>.ds.keytag</i>		<i>Optional</i>		<i>Integer value min. 0 max. 65535</i>	<i>The key tag assigned to the DS record. The field is required for a DS entry.</i>
	<i>dnssec.ds.<1-∞>.ds.alg</i>		<i>Optional</i>		<i>Integer value min. 0 max. 255</i>	<i>The algorithm of the related DNSKEY record. The field is required for a DS entry.</i>
	<i>dnssec.ds.<1-∞>.ds.digesttype</i>		<i>Optional</i>		<i>Integer value min. 0 max. 255</i>	<i>The digest type used for the hash of the related DNSKEY record. The field is required for a DS entry.</i>
	<i>dnssec.ds.<1-∞>.ds.digest.hex</i>		<i>Optional</i>		<i>Hexadecimal encoded binary data (see also Base64 encoding in RFC 4648)</i>	<i>The hexadecimal representation of the hash of the DNSKEY record. Must be specified unless the data is given in the Base64 notation.</i>
	<i>dnssec.ds.<1-∞>.ds.digest.base64</i>		<i>Optional</i>		<i>Base64 encoded binary data according to RFC 4648</i>	<i>The Base64 representation of the hash of the DNSKEY record. Must be given unless the data is given in hexadecimal notation.</i>

	<i>dnssec.ds.<1-∞>.ds.maxsiglife</i>		<i>Optional</i>		<i>Integer value min. 1</i>	<i>The maximum lifetime of the signature the DS record. This is only a recommendation the registry is not obliged to respect the value.</i>
	<i>dnssec.ds.<1-∞>.key.flags</i>		<i>Optional</i>		<i>Integer value min. 0 max. 65535</i>	<i>The flags value of the related DNSKEY record.</i>
	<i>dnssec.ds.<1-∞>.key.protocol</i>		<i>Optional</i>		<i>Integer value min. 0 max. 255</i>	<i>The protocol value of the related DNSKEY record.</i>
	<i>dnssec.ds.<1-∞>.key.alg</i>		<i>Optional</i>		<i>Integer value min. 0 max. 255</i>	<i>The algorithm value of the related DNSKEY record.</i>
	<i>dnssec.ds.<1-∞>.key.pubkey.hex</i>		<i>Optional</i>		<i>Hexadecimal encoded binary data (see also Base16 encoding in RFC 4648)</i>	<i>The hexadecimal representation of the public key data. Must be specified unless the data is given in the Base64 notation.</i>
	<i>dnssec.ds.<1-∞>.key.pubkey.base64</i>		<i>Optional</i>		<i>Base64 encoded binary data according to RFC 4648</i>	<i>The Base64 representation of the public key data. Must be given unless the data is given in hexadecimal notation.</i>
	<i>addon.*</i>		<i>Optional</i>		<i>Character string</i>	<i>Any field that matches the given prefix used for the value adding services supplied by CCLLC. The description of the specific fields available is out of scope of this document.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.create'</i>	<i>Specifies the response type for domain creation.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>domain.name</i>	<i>Character string</i>	<i>The name of the domain (including top level domain) specified in the request.</i>
<i>domain.name.i15d</i>	<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the domain name.</i>

<i>domain.id</i>	<i>Character string</i>	<i>The id assigned to the domain by the registry.</i>
<i>exation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The exe date of the object according to the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>verification.state</i>	<i>'verified' 'pendingVerification' 'ableToAppeal' 'underInvestigation' 'refused'</i>	<i>The domain registrant's current verification state.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: domain.create
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321

transaction.id: mytrans-35432
registry.id:
ens.sponsor.1: mysponsor@mydomain.com
ens.auth.id: 12345678-airline
ens.auth.key: jGaA45
registration.type: airline-iata
ens.refurl: http://www.example.com
ens.promotion.code: 294ACDE
domain.name: acme
domain.name.i15d: domain.com
domain.variant.1.name: xn--barc-3na
domain.variant.1.name.i15d: barcà
domain.name.language: en-US
domain.authinfo: mySecret
domain.maintainer: http://www.myreseller.com
ns.1.name: ns1.domain
ns.1.name.i15d: ns1.domain
ns.1.id: host1-ID
ns.1.address.1.value: 123.145.167.212
ns.1.address.1.type: v4
contact.1.id: contact1-ID
contact.1.type: admin
period.unit: y
period.value: 2
.uin: 3
dnssec.ds.1.ds.keytag: 38583
dnssec.ds.1.ds.alg: 3
dnssec.ds.1.ds.digesttype: 1
dnssec.ds.1.ds.digest.hex: 666F6F626172
dnssec.ds.1.ds.digest.base64: Zm9vYmFy
dnssec.ds.1.ds.maxsiglife: 1
dnssec.ds.1.key.flags: 256
dnssec.ds.1.key.protocol: 3
dnssec.ds.1.key.alg: 3
dnssec.ds.1.key.pubkey.hex: 666F6F626172
dnssec.ds.1.key.pubkey.base64: Zm9vYmFy
addon.*: foobarResponse:

response.type: domain.create
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
domain.name: acme
domain.name.i15d: domain.shop
domain.id: domain1-ID
exation.date: 2003-05-17T22:00:00.0Z
account.name: main
accountange: -50
account.newbalance: 10230
.verification.state: verified

Command Type: create zone

Description:

Create a new zone object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'zone.create'	Identifies the command type for zone creation. Backward compatibility: K _i request- _i V _{a_i} create z _i
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: K _i payload-version V _{a_i} 1.0 (may be used to activate compatibility mc
<i>transaction.otp</i>	Required only for command sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for command sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: k registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transactio _i
<i>zone.id</i>	Required	Character string min. 1 max. 255 characters (full Unicode charset)	The (unique) user-assigned id (handle) of the zone.
<i>domain.name</i>	Required	Character string min. 1 max.	The domain name of the zone (including top level domain)

			<i>131 characters (full Unicode charset)</i>	<i>Backward compatibility: K₁ sl₁</i>
<i>notification</i>	<i>Optional</i>		<i>'user-deployment' 'system-deployment' 'transfer-failure' 'general-error' multiple values may be specified as a comma-separated list or space-separated list. All values must be unique.</i>	<i>The notification setting of the zone. See the description of the zone deployment notification message type for explanations of the allowed values.</i>
<i>ns.<1-∞>.name</i>	<i>Optional</i>		<i>Character string min. 1 max. 132 characters (full Unicode charset)</i>	<i>The fully qualified name of a host (name server) to be associated with the zone.</i>
<i>src.addr.value</i>	<i>Optional</i>		<i>Character string</i>	<i>The IP address of the master name server given in the specified format. Note that either the source data (src.* fields) can be specified or the literal zone content (rr.* or rr fields) but not both.</i>
<i>src.addr.type</i>	<i>Optional</i>		<i>'ipv4' 'ipv6'</i>	<i>This field specifies the address type of the given name server.</i>
<i>src.tsig.alg</i>	<i>Optional</i>		<i>'hmac-md5' 'hmac-sha1' 'hmac-sha256' (default value is hmac-md5)</i>	<i>The TSIG key's algorithm.</i>
<i>src.tsig.name</i>	<i>Optional</i>		<i>Character string min. 1 max. 255 characters</i>	<i>The TSIG key's name.</i>
<i>src.tsig.secret</i>	<i>Optional</i>		<i>Base64 encoded binary data according to RFC 4648</i>	<i>The Base64 representation of the TSIG key.</i>
<i>rr.<1-∞></i>	<i>Optional</i>		<i>Character string min. 1 max. 255 characters</i>	<i>The string representation of a single DNS resource record according to RFC 1035. Note that either the source data (src.* fields) can be specified or the literal zone content (rr.* or rr fields) but not both. Furthermore rr.* and rr fields may not be mixed.</i>
<i>rr</i>	<i>Optional</i>		<i>Character string</i>	<i>The string representation of all DNS resource records according to RFC 1035. Be careful with leading spaces since they will be interpreted. If you want to include the domain name do not start the record's line with a blank. Note that either the source data (src.* fields) can be specified or the literal zone content (rr.* or rr fields) but not both. Furthermore rr.* and rr fields may not be mixed.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	'domain.create'	<i>Specifies the response type for domain creation.</i>
<i>payload.version</i>	'2.0'	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>account.name</i>	'main'	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>N The field (key) from the request which caused the corresponding result. The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: zone.create
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
zone.id: myZoneId1234

domain.name: acme
notification: transfer-failure
ns.1.name: ns1.host
src.addr.value: 123.145.167.212
src.addr.type: v4
src.tsig.alg: hmac-md5
src.tsig.name: a.b.c.d
src.tsig.secret: eW91IHN0aW5rIGxpa2UgbW9ua2V5IGJ1dHQ=
rr.1: www IN A 195.253.2.12
rr: www IN A 195.253.2.12
Response:
response.type: domain.create
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
account.name: main
accountange: -50
account.newbalance: 10230

COMMAND TYPE: create email

Description:

Create a new e-mail redirection object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'email.create'	Identifies the command type for e-mail redirection creation. Backward compatibility: k request-1
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: K payload-version V 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: k registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional	DotShop	DotShop
<i>email.address</i>	Required	Character string representing	The e-mail address to register.

			<i>a valid e-mail address min. max. 132 characters</i>	
<i>email.authinfo</i>	Required		<i>Character string min. 6 max. 16 characters</i>	<i>The authorization information specified by the registrant (pass phrase/password).</i>
<i>email.maintainer</i>	Optional		<i>Character string min. 1 max. 128 characters (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the object not directly maintained by the CCLLC member).</i>
<i>email.dest.address</i>	Required		<i>Character string representing a valid e-mail address min. max. 250 characters</i>	<i>E-mail address to be used as the destination for the e-mail received by the registry.</i>
<i>contact.<1-∞>.id</i>	Optional		<i>Character string min. 1 max. 64 characters</i>	<i>The id of a contact to be associated with the e-mail address. A contact with this name must exist in the involved registry. The number and types of required contacts are registry specific.</i>
<i>contact.<1-∞>.type</i>	Optional		<i>'admin' 'billing' 'registrant' 'tech' 'zone'</i>	<i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i>
<i>.consent.id</i>	Optional		<i>Character string min. 1 max. 64 characters</i>	<i>Consent ID that grants the right to register an object which is protected by a defensive registration.</i>
<i>period.unit</i>	Optional		<i>'y' 'm' (defaultvalue: y)</i>	<i>The unit of measurement for the object's period (years or months).</i>
<i>period.value</i>	Required		<i>Integer value min. 1 max. 9999</i>	<i>The object's actual registration period as a multiple of the unit.</i>
<i>addon.*</i>	Optional		<i>Character string</i>	<i>Any field that matches the given prefix is used for the value of the corresponding field. The description of the specific fields available is out of scope of this document.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'email.create'</i>	<i>Specifies the response type for e-mail address creation.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>

<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>email.id</i>	<i>Character string</i>	<i>The id assigned to the e-mail address by the registry.</i>
<i>exation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The exe date of the object according to the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

Request:

request.type: email.create

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

email.address: john@doe.name

email.authinfo: mySecret

email.maintainer: http://www.myreseller.com

email.dest.address: john.doe@yahoo.com

contact.l.id: contact1-ID

contact.l.type: admin

.consent.id: ID:12345

period.unit: y

period.value: 2
addon.: foobar*
Response:
response.type: email.create
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
email.id: email1-ID
exation.date: 2003-05-17T22:00:00.0Z
account.name: main
accountange: -50
account.newbalance: 10230

Command Type: create watch

Description:

Create a new watch object i.e. an instance that observes registrations made at the registry and that informs the registrant about those matching the specified pattern.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'watch.create'	Identifies the command type for watch object creation. Backward compatibility: k request-t
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Kpayload-version Val1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: k registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility:

				<i>k</i> transaction
<i>registry.id</i>	<i>Optional</i>			<i>Id of the involved registry.</i>
<i>watch.targets</i>	Required	Character string		<i>Comma- or space-separated list of objects to watch. Possible targets are domain for domains and email for e-mail addresses.</i>
<i>watch.pattern.type</i>	Required	'literal'		<i>Defines the meaning of the match string. literal means that each character in the pattern is to be taken literally i.e. there are no wildcards regular expressions or similar possible.</i>
<i>watch.pattern.match</i>	Required	Character string		<i>Defines the pattern that is used for the match test.</i>
<i>watch.report.period.unit</i>	Required	'd' 'w' 'm'		<i>Specifies the unit of the period/frequency of the generated reports (days, week or month).</i>
<i>watch.report.period.value</i>	Required	Integer value		<i>Specifies the period/frequency of the generated reports in days, weeks or months as specified by the watch.report.period.unit field.</i>
<i>watch.report.address</i>	Required	Character string representing a valid mail address min. 1 max. 250 characters		<i>E-mail address to send the reports to.</i>
<i>watch.authinfo</i>	Required	Character string min. 1 max. 16 characters		<i>The authorization information specified by the registrant (password/passphrase).</i>
<i>watch.maintainer</i>	<i>Optional</i>	Character string min. 1 max. 128 characters (full Unicode characters)		<i>Id or URL of the CCLLC member's reseller (if the object is not directly maintained by the CCLLC member).</i>
<i>contact.<1-∞>.id</i>	<i>Optional</i>	Character string min. 1 max. 255 characters		<i>The id of a contact to be associated with the watch object. A contact with this name must exist in the involved registry. The number and types of required contacts are registry specific.</i>
<i>contact.<1-∞>.type</i>	<i>Optional</i>	'admin' 'billing' 'registrant' 'tech' 'zone'		<i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i>
<i>period.unit</i>	<i>Optional</i>	'y' 'm' (defaultvalue: y)		<i>The unit of measurement for the object's period (years or months).</i>
<i>period.value</i>	Required	Integer value min. 1 max. 999		<i>The object's actual registration period as a multiple of the unit.</i>
<i>addon.*</i>	<i>Optional</i>	Character string		<i>Any field that matches the given prefix is used for the value adding services supplied by CCLLC. The description of the specific fields available is out of scope of this document.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'watch.create'</i>	<i>Specifies the response type for watch creation.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>watch.id</i>	<i>Character string</i>	<i>The id assigned to the watch object by the registry.</i>
<i>exation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The exe date of the object according to the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

Request:

request.type: watch.create

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

watch.targets: domain email

watch.pattern.type: literal

watch.pattern.match: mycompany

watch.report.period.unit: w
watch.report.period.value: 1
watch.report.address: john.doe@yahoo.com
watch.authinfo: mySecret
watch.maintainer: http://www.myreseller.com
contact.1.id: contact1-ID
contact.1.type: admin
period.unit: y
period.value: 2
addon.: foobar*
Response:
response.type: watch.create
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
watch.id: domain1-ID
exation.date: 2003-05-17T22:00:00.0Z
account.name: main
accountange: -50
account.newbalance: 10230

COMMAND TYPE: create protection

Description:

Create a new protection object i.e. an instance that observes registrations made at the registry and that prohibits the registration of those objects that match the specified pattern. Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'protection.create'</i>	Identifies the command type for protection object creation. Backward compatibility: k request-1
<i>payload.version</i>	Required	<i>'2.0'</i>	Version of the payload format used in the request. Backward compatibility: K payload-version V 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: k registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional	Default: DotShop	Id of the involved registry.

<i>protection.targets</i>	Required	Character string	Comma- or space-separated list of objects to watch. Possible targets are domain for domains and email for e-mail addresses.	
<i>protection.pattern.type</i>	Required	'literal'	Defines the meaning of the match string. literal means that each character in the pattern is to be taken literally i.e. there are no wildcards regular expressions or similar possible.	
<i>protection.pattern.match</i>	Required	Character string	Defines the pattern that is used for the match test.	
<i>protection.authinfo</i>	Required	Character string min. max. 16 characters	The authorization information specified by the registrant (password/phrase/password).	
<i>protection.maintainer</i>	Optional	Character string min. max. 128 characters (UTF-8 Unicode charset)	Id or URL of the CCLLC member's reseller (if the object is not directly maintained by the CCLLC member).	
<i>.trademark.number</i>	Optional	Character string max. 100 characters	The ID of the trademark that backs this protection request.	
<i>.trademark.countrycode</i>	Optional	Character string max. characters	The ISO 3166 code for the country where the trademark has been registered.	
<i>.trademark.date</i>	Optional	Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'	Issue date of the trademark.	
<i>.trademark.name</i>	Optional	Character string	The name of the trademark that backs this protection request.	
<i>.trademark.date</i>	Optional	Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'	Issue date of the trademark.	
<i>.trademark.countrycode</i>	Optional	Character string max. characters	The ISO 3166 code for the country where the trademark has been registered.	
<i>.trademark.number</i>	Optional	Character string max. 100 characters	The ID of the trademark that backs this protection request.	
<i>contact.<1-∞>.id</i>	Optional	Character string min. characters	The id of a contact to be associated with the protection object. A contact with this name must exist in the involved registry. The number and types of required contacts are registry specific.	
<i>contact.<1-∞>.type</i>	Optional	'admin' 'billing' 'registrant' 'tech' 'zone'	The type of the corresponding contact. The number and types of required contacts are registry specific.	
<i>period.unit</i>	Optional	'y' 'm' (defaultvalue: y)	The unit of measurement for the object's period (years or months).	

<i>period.value</i>	Required	<i>Integer value min. 1 max. 99</i>	<i>The object's actual registration period as a multiple of the un</i>
<i>addon.*</i>	Optional	<i>Character string</i>	<i>Any field that matches the given prefix is used for the value adding services supplied by CCLLC. The description of the specific fields available is out of scope of this document.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'protection.create'</i>	<i>Specifies the response type for protection creatio</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>protection.id</i>	<i>Character string</i>	<i>The id assigned to the protection object by the registry.</i>
<i>exation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The exe date of the object according to the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

Request:

request.type: protection.create

payload.version: 2.0

transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CLLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
protection.targets: domain email
protection.pattern.type: literal
protection.pattern.match: mycompany
protection.authinfo: mySecret
protection.maintainer: http://www.myreseller.com
.trademark.number: TRADEMARK-ID-12345-UK
.trademark.countrycode: GB
.trademark.date: 1994-01-05
.trademark.name: myTrademark
.trademark.date: 1994-01-05
.trademark.countrycode: GB
.trademark.number: TRADEMARK-ID-12345-UK
contact.1.id: contact1-ID
contact.1.type: admin
period.unit: y
period.value: 2
addon.: foobar*
Response:
response.type: protection.create
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
protection.id: prot1-ID
exation.date: 2003-05-17T22:00:00.0Z
account.name: main
accountange: -50
account.newbalance: 10230

COMMAND TYPE: create application

Description:

Create a new application object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'application.create'	Identifies the command type for the application creation.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: payload-versio 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp list) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: reg: ar-i

<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field for maintenance purposes only and is not allowed for normal CCLLC members</i>	
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: transaction-</i>	
<i>registry.id</i>	<i>Optional</i>	<i>Default: DotShop</i>	<i>Id of the involved registry.</i>	
<i>application.authinfo</i>	Required	<i>Character string min. 4 max 89 characters</i>	<i>The authorization information specified by the registrant (pass phrase/password). The given value will also be used for the created domain if the application succeeds.</i>	
<i>application.maintainer</i>	<i>Optional</i>	<i>Character string min. 1 max 128 characters (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the domain is not directly maintained by the CCLLC member). The given value will also be used for the created domain if the application succeeds.</i>	
<i>ens.auth.id</i>	Required	<i>Character string min. 1 max 20 characters</i>	<i>ID of ENS Authorization record on which the registration is based.</i>	
<i>ens.auth.key</i>	Required	<i>Character string min. 1 max 20 characters</i>	<i>The authentication key (password). Must match the ENS_Auth record identified ens.auth.id.</i>	
<i>registration.type</i>	<i>Optional</i>	<i>Character string min. 1 max 128 characters</i>	<i>The type of registration.</i>	
<i>ens.refurl</i>	<i>Optional</i>	<i>Character string min. 1 max 255 characters</i>	<i>This field contains the web site reference as an evidence for the eligibility specified as a URL.</i>	
<i>enstended.use</i>	<i>Optional</i>	<i>Character string min. 1 max 1000 characters (full Unicode)</i>	<i>The field describes the intended use of the domain as required by the</i>	

			<i>charset)</i>	<i>registration policy.</i>
<i>ens.sunrise</i>	Required		<i>Character string min. 1 max 20 characters</i>	<i>The field describes the sunrise phase of the domain which the application shall participate in.</i>
<i>domain.name</i>	Required		<i>Character string min. 1 max 131 characters (full Unicode charset)</i>	<i>The name of the domain (including top-level domain).</i>
<i>domain.name.i15d</i>	Optional		<i>Character string min. 1 max 131 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding domain.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>domain.variant.<1-∞>.name</i>	Optional		<i>Character string min. 1 max 67 characters (full Unicode charset)</i>	<i>This field specifies an additional domain name variant that shall be registered along with the base name. The field may contain either the presentation form or Punycode encoded form.</i>
<i>domain.variant.<1-∞>.name.i15d</i>	Optional		<i>Character string min. 1 max 67 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding domain.variant.#.name field to ensure the integrity of the name. If the field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>domain.name.language</i>	Optional		<i>Language tag according to RFC 3066</i>	<i>This field defines the language context of the domain name. Depending on the registry policy the registry may use it to register reserve or block language specific variants of the domain name.</i>
<i>ns.<1-∞>.name</i>	Optional		<i>Character string min. 1 max 132 characters (full Unicode charset)</i>	<i>The fully qualified name of a host (name server) to be associated with the domain. A host with this name must exist in the</i>

				involved registry. The number of required name servers is registry specific.
<i>ns.<1-∞>.name.i15d</i>	<i>Optional</i>	<i>Character string min. 1 max 132 characters (full Unicode charset)</i>		<i>This field contains the presentation form of the corresponding ns.#.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>ns.<1-∞>.id</i>	<i>Optional</i>	<i>Character string</i>		<i>The id of a host to be associated with the domain (may be specified as an alternative to the host's name). The same registry specific restrictions apply as to the ns.#.name field</i>
<i>ns.<1-∞>.address.<1-∞>.value</i>	<i>Optional</i>	<i>Character string min. 3 max 45 characters</i>		<i>The IP address of the host given in the specified format.</i>
<i>ns.<1-∞>.address.<1-∞>.type</i>	<i>Optional</i>	<i>'v4' 'v6'</i>		<i>This field specifies the address type of the given name server.</i>
<i>contact.<1-∞>.id</i>	<i>Optional</i>	<i>Character string min. 1 characters</i>		<i>The id of a contact to be associated with the domain. A contact with this name must exist in the involved registry. The number and types of required contacts are registry specific.</i>
<i>contact.<1-∞>.type</i>	<i>Optional</i>	<i>'admin' 'billing' 'registrant' 'tech' 'zone' 'onsite' 'ced' 'op</i>		<i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'application.create'</i>	<i>Specifies the response type for the application creation.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>

<i>application.id</i>	<i>Character string</i>	<i>The ID assigned to the created application object (in case of successful completion)</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>No The field (key) from the request which caused the corresponding result. The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected at the gateway frontend.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

Request:

request.type: application.create

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

application.authinfo: mySecret

application.maintainer: http://www.myreseller.com

ens.auth.id: 12345678-airline

ens.auth.key: jGaA45

registration.type: standard

ens.refurl: http://www.example.com

enstended.use: Domain will host a web site dedicated to Catalan architecture

ens.sunrise: 1
domain.name: acme
domain.name.i15d: domain.com
domain.variant.1.name: xn--barc-3na
domain.variant.1.name.i15d: barcà
domain.name.language: en-US
ns.1.name: ns1.domain
ns.1.name.i15d: ns1.domain
ns.1.id: host1-ID
ns.1.address.1.value: 123.145.167.212
ns.1.address.1.type: v4
contact.1.id: contact1-ID
contact.1.type: admin
Response:
response.type: application.create
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
application.id: REG-A9382
account.name: main
accountange: -50
account.newbalance: 10230

COMMAND TYPE: delete contact

Description:

Delete a contact object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'contact.delete'	Identifies the command type for contact deletion. Backward compatibility: Key request-type Value delete con
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mc
<i>transaction.otp</i>	<i>Required only for command sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for command sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member.</i> Backward compatibility: Key registra
<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id.</i> Backward compatibility: Key transactioi
<i>registry.id</i>	<i>Optional</i>	<i>Default: DotShop</i>	<i>Id of the involved registry.</i>
<i>contact.id</i>	Required	<i>Character string</i>	<i>The id of the contact to delete.</i>

CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
contact.id: contact1-ID
Response:
response.type: contact.delete
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

Command Type: delete host

Description:

Delete a host object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'host.delete'	Identifies the command type for host deletion. Backward compatibility: Key: request-type Value: delete
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for command sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for command sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivemember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: Key: transactio
<i>registry.id</i>	Optional	Default: DotShop	Id of the involved registry
<i>host.name</i>	Required (only if alternative)	Character string min. 1 ma	The fully qualified name of the host to delete.

	<i>field 'host.id' is not specified</i>	<i>132 characters (full Unicode charset)</i>	
<i>host.name.i15d</i>	<i>Optional</i>	<i>Character string min. 1 max. 132 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding host.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>host.id</i>	<i>Required (only if alternative field 'host.name' is not specified)</i>	<i>Character string</i>	<i>The registry-assigned id of the host to delete.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'host.delete'</i>	<i>Specifies the response type for host deletion.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: host.delete
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:

host.name: ns1.domain
host.name.i15d: ns1.domain
host.id: host1-ID

Response:

response.type: host.delete
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: delete domain

Description:

Delete a domain object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'domain.delete'</i>	<i>Identifies the command type for domain deletion. Backward compatibility: k request-type Value: delete domain</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and digits</i>	<i>The one time password (taken from one of the CCLLC member active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmember.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivemember.id</i>	Optional	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transactionid</i>

<i>registry.id</i>	<i>Optional</i>	<i>Default: DotShop</i>	<i>Id of the involved registry.</i>
<i>domain.name</i>	<i>Required (only if alternate field 'domain.id' is not specified)</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>The name of the domain to delete.</i>
<i>domain.name.i15d</i>	<i>Optional</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding domain.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>domain.id</i>	<i>Required (only if alternate field 'domain.name' is not specified)</i>	<i>Character string</i>	<i>The registry-assigned id of the domain to delete. If both domain.name and domain.id are given in the request domain.id takes precedence..</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.delete'</i>	<i>Specifies the response type for domain deletion.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: domain.delete
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CLLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
domain.name: acme
domain.name.i15d: domain.com
domain.id: domain1-ID

Response:

response.type: domain.delete
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: undelete domain (Gateway database only)

Description:

Undelete a previously deleted domain object; note that this only affects the local Gateway database (the object is not restored at the respective registry) and that this command is only available to privileged Gateway users (CCLLC secretariat). The command is usually used after a domain has been successfully restored at the registry. The domain name given must point to a currently deleted domain in the Gateway database that belongs to the effective member issuing the command.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.undelete'	Identifies the command type for domain undeletion
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.

<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction.
<i>registry.id</i>	Optional	Default: DotShop	Id of the involved registry.
<i>domain.name</i>	Required	Character string minimum 1 max. 131 characters (full Unicode characters)	The name of the domain to undelete.
<i>domain.name.i150</i>	Optional	Character string minimum 1 max. 131 characters (full Unicode characters)	This field contains the presentation form of the corresponding domain.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.

Response format:

Key	Value type/content	Description
<i>response.type</i>	'domain.undelete'	Specifies the response type for domain undeletion.
<i>payload.version</i>	'2.0'	Version of the payload format used in the response.
<i>result.code</i>	Integer value	The overall numeric result code of the command.
<i>result.msg</i>	Character string	The overall result of the command in human-readable form.
<i>transaction.id</i>	Character string	The transaction id specified in the request.
<i>registry.transaction.id</i>	Character string	The transaction id assigned by the registry.
<i>result.<1-∞>.code</i>	Integer value	Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.
<i>result.<1-∞>.msg</i>	Character string	The specific result of the command in human-readable form.
<i>result.<1-∞>.error.<1-∞></i>	Character string	The field value from the request which caused the corresponding result.
<i>result.<1-∞>.key.<1-∞></i>	Character string	The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.

Request:

request.type: domain.undelete

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CLLLCmber.id: CLLLC-123

effectivember.id: CLLLC-321

transaction.id: mytrans-35432

registry.id:

domain.name: acme

domain.name.i15d: domain.com

Response:

response.type: domain.undelete

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

COMMAND TYPE: restore domain

Description:

Restore a previously deleted domain object; the object is restored at the respective registry and in the Gateway database (if the registry restore succeeds which depends on registry specific conditions). The domain name given must point to a currently deleted domain in the Gateway database which most recent active version was sponsored by the effective member issuing the command.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.restore'	Identifies the command type for restoring previous deleted domains.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.

<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional	Default: DotShop	Id of the involved registry.
<i>domain.name</i>	Required	Character string minimum 1 max. 131 characters (full Unicode characters)	The name of the domain to undelete.
<i>domain.name.idn</i>	Optional	Character string minimum 1 max. 131 characters (full Unicode characters)	This field contains the presentation form of the corresponding domain.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.
<i>rgp.restore.reason</i>	Optional	'registranterror' 'registrarerror' 'legal' 'other' (defaultvalue: registranterror)	Indicates the reason for the domain restoration; use registranterror in case of an error of the registrant registrarerror in case of registrar/member errors legal to indicate judicial/arbitration/legal reasons and other in any other case.
<i>rgp.restore.comment</i>	Optional	Character string pattern (regular expression): '^[^\s]+\$' (defaultvalue: none)	An optional comment that provides further explanation if the reason code is not sufficient. Note that space characters are not valid here; it is recommended that you use underscores or some other method to separate words (e.g. 'deleted_by_mistake'). If this field is missing the Gateway submits the recommended default value none to the registry.
<i>rgp.truedata</i>	Optional	Boolean value ('true' or 'false') (defaultvalue: true)	This must be true to indicate CCLLC's/the member affirmation that the data is accurate. Any other value will make the restoration fail.
<i>rgp.validuse</i>	Optional	Boolean value ('true' or 'false') (defaultvalue: true)	This must be true to indicate CCLLC's/the member affirmation that the data is being restored in conformance to ICANN policies. Any other value will make the restoration fail.

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.restore'</i>	<i>Specifies the response type for restoring previously deleted domains.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

Request:

request.type: domain.restore

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

domain.name: acme

domain.name.i15d: domain.com

rgp.restore.reason: registranterror
rgp.restore.comment: none
rgp.truedata: true
rgp.validuse: true
Response:
response.type: domain.restore
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: -50
account.newbalance: 10230

Command Type: delete zone

Description:

Delete a zone object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'zone.delete'	Identifies the command type for zone deletion. Backward compatibility: Key request-1 Value delete zo
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id.

				<i>Backward compatibility: k transaction</i>
<i>zone.id</i>	Required		<i>Character string</i>	<i>The user-assigned id (handle) of the zone to delete. If both domain.name and zone.id are given in the request zone.id takes precedence.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'zone.delete'</i>	<i>Specifies the response type for zone deletion.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: zone.delete

payload.version: 2.0

transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
zone.id: myZoneId1234
Response:
response.type: domain.delete
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: delete email

Description:

Deletes an e-mail object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'email.delete'</i>	<i>Identifies the command type for e-mail address deletion. Backward compatibility: Key request-i</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmember.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction</i>

				<i>id.</i>
<i>registry.id</i>	<i>Optional</i>		<i>Default: DotShop</i>	<i>Id of the involved registry.</i>
<i>email.address</i>	<i>Required (only if alternative field 'email.id' is not specified)</i>		<i>Character string representing a valid mail address min. 1 max. 132 characters</i>	<i>The e-mail address to delete.</i>
<i>email.id</i>	<i>Required (only if alternative field 'email.address' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the e-mail address to delete.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'email.delete'</i>	<i>Specifies the response type for the e-mail address deletion.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character</i>	<i>The field (key) from the request which caused the corresponding result.</i>

	<i>string</i>	<i>N</i>	<i>The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>
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Request:

request.type: email.delete
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CLLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
email.address: john@doe.name
email.id: GNRB-E-39-4733

Response:

response.type: email.delete
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: delete watch

Description:

Deletes a watch object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'watch.delete'</i>	<i>Identifies the command type for watch object deletion. Backward compatibility: request.type</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: payload-version 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility:</i>

				<i>registry-id</i>
<i>effectivember.id</i>	<i>Optional</i>		<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: transaction-id</i>
<i>registry.id</i>	<i>Optional</i>		<i>Default: DotShop</i>	<i>Id of the involved registry.</i>
<i>watch.id</i>	Required		<i>Character string</i>	<i>The registry-assigned id of the watch object to delete.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'watch.delete'</i>	<i>Specifies the response type for the watch object deletion.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>

<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

*request.type: watch.delete
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
watch.id: GNRB-W-39-3442*

Response:

*response.type: watch.delete
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230*

COMMAND TYPE: delete protection

Description:

Deletes a protection object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'protection.delete'</i>	<i>Identifies the command type for protection object deletion. Backward compatibility: Key request-i</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmember.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction</i>

				<i>id.</i> <i>Backward compatibility:</i> <i>k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>Default: DotShot</i>	<i>Id of the involved registry.</i>
<i>protection.id</i>	<i>Required</i>		<i>Character string</i>	<i>The registry-assigned id of the protection object to delete.</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	<i>'protection.delete'</i>	<i>Specifies the response type for protection object deletion.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry serv because EPP does not provide them — only the offending values at supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: protection.delete

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
protection.id: PROT-39-3442
Response:
response.type: protection.delete
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: delete application

Description:

Delete an application object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'application.delete'	Identifies the command type for application deletion
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmember.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivemember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: Key: transactionid

<i>registry.id</i>	<i>Optional</i>	<i>Default: DotShop</i>	<i>Id of the involved registry.</i>
<i>application.id</i>	<i>Required</i>	<i>Character string</i>	<i>The ID of the application to delete.</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	<i>'application.delete'</i>	<i>Specifies the response type for application deletion.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: application.delete
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321

transaction.id: mytrans-35432
registry.id:
application.id: app1-ID
Response:
response.type: application.delete
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire contact

Description:

Inquire information about a contact object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'contactquire'	<i>Identifies the command type for contact inquiry. Backward compatibility: Key request-typ Value inquire con</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivember.id</i>	Optional	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>

<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional	Default: DotShop	Id of the involved registry
<i>contact.id</i>	Required	Character string	The id of the contact to inquire. Backward compatibility: k har
<i>contact.authinfo</i>	Optional	Character string min 4 max. 89 character	The authorization information specified by the registrant (pass phrase/password).

Response format:

Key	Value type/content	Description
<i>response.type</i>	'contactquire'	Specifies the response type for contact inquiry.
<i>payload.version</i>	'2.0'	Version of the payload format used in the response.
<i>result.code</i>	Integer value	The overall numeric result code of the command
<i>result.msg</i>	Character string	The overall result of the command in human-readable form.
<i>transaction.id</i>	Character string	The transaction id specified in the request.
<i>registry.transaction.id</i>	Character string	The transaction id assigned by the registry.
<i>sponsor.client.id</i>	Character string	The client id of the inquired object's
<i>sponsor.CCLLCmber.id</i>	Character string	Id of the sponsoring CCLLC member (if the inquired object is sponsored by a CCLLC member).
<i>creator.client.id</i>	Character string	The client id of the inquired object's creator.
<i>creator.CCLLCmber.id</i>	Character string	Id of the CCLLC member that created the inquired object (if the inquired object was created by a CCLLC member).
<i>creation.date</i>	Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes	The date of object creation according to the registry.

		<i>the decimal fraction of the second.</i>	
<i>updater.client.id</i>		<i>Character string</i>	<i>The client id of the inquired object's last update. Not present if the inquired object has never been modified.</i>
<i>updater.CCLLCmber.id</i>		<i>Character string</i>	<i>Id of the CCLLC member that last updated the inquired object (if the last object update was done by a CCLLC member).</i>
<i>update.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>
<i>transfer.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last transfer of the inquired object. Not present if the inquired object has never been transferred.</i>
<i>contact.id</i>		<i>Character string</i>	<i>The id of the inquired contact.</i>
<i>contact.status</i>		<i>Character string</i>	<i>A comma-separated list of status values for the contact. Refer to the status value specification below for a list of valid status values.</i>
<i>contact.name</i>		<i>Character string (full Unicode charset)</i>	<i>Name of the individual or the role represented by the inquired contact.</i>
<i>contact.title</i>		<i>Character string (full Unicode charset)</i>	<i>Title of the individual.</i>
<i>contact.organization</i>		<i>Character string (full Unicode charset)</i>	<i>Name of the organization with which the contact is affiliated.</i>
<i>contact.address.street.<1-3></i>		<i>Character string (full Unicode charset)</i>	<i>The contact's first second and third street address.</i>
<i>contact.address.city</i>		<i>Character string (full Unicode charset)</i>	<i>The contact's city.</i>
<i>contact.address.state</i>		<i>Character string (full Unicode charset)</i>	<i>The contact's state or province.</i>
<i>contact.address.postalcode</i>		<i>Character string (full Unicode charset)</i>	<i>The contact's postal code.</i>

<i>contact.address.countrycode</i>	<i>ISO-3166 country code</i>	<i>The contact's country code (two-character ISO 3166 country code).</i>
<i>contact.i15d.name</i>	<i>Character string (full Unicode charset)</i>	<i>Name of the individual or the role represented by the inquired contact. [optional internationalized version]</i>
<i>contact.i15d.title</i>	<i>Character string (full Unicode charset)</i>	<i>Title of the individual. [optional internationalized version]</i>
<i>contact.i15danization</i>	<i>Character string (full Unicode charset)</i>	<i>Name of the organization with which the contact is affiliated. [optional internationalized version]</i>
<i>contact.i15d.address.street.<1-3></i>	<i>Character string (full Unicode charset)</i>	<i>The contact's first second and third street address. [optional internationalized version]</i>
<i>contact.i15d.address.city</i>	<i>Character string (full Unicode charset)</i>	<i>The contact's city. [optional internationalized version]</i>
<i>contact.i15d.address.state</i>	<i>Character string (full Unicode charset)</i>	<i>The contact's state or province. [optional internationalized version]</i>
<i>contact.i15d.address.postalcode</i>	<i>Character string (full Unicode charset)</i>	<i>The contact's postal code. [optional internationalized version]</i>
<i>contact.i15d.address.countrycode</i>	<i>ISO-3166 country code</i>	<i>The contact's country code (two-character ISO 3166 country code). [optional internationalized version]</i>
<i>contact.voice.number</i>	<i>Character string that must begin with a plus '+' sign followed by a country code followed by a dot followed by a sequence of digits representing the telephone number</i>	<i>The contact's voice telephone number.</i>
<i>contact.voice.extension</i>	<i>Character string</i>	<i>The contact's voice telephone number extension</i>
<i>contact.fax</i>	<i>Character string</i>	<i>The contact's facsimile telephone number.</i>
<i>contact.fax.extension</i>	<i>Character string</i>	<i>The contact's fax number extension.</i>
<i>contact.email</i>	<i>Character string representing a valid e-mail address</i>	<i>The contact's e-mail address.</i>
<i>contact.language</i>	<i>Language tag according to RFC 3066</i>	<i>The contact's preferred natural language.</i>
<i>contact.authinfo</i>	<i>Character string</i>	<i>The authorization information associated with the contact (pass phrase/password); this information is only returned if the querying CCLLC member is sponsoring the inquired</i>

			<i>contact.</i>
<i>contact.maintainer</i>	Character string (full Unicode charset)		<i>Id or URL of the CCLLC member's reseller (if the contact is not directly maintained by the CCLLC member).</i>
<i>contact.datapolicy</i>	'restrictive' 'permissive'		<i>Specifies whether the contact's data may be used for marketing purposes. restrictive disallows the use permissive allows it.</i>
<i>contact.type</i>	'registrant' 'onsite' 'billing' 'tech'		<i>Specifies the type of a contact.</i>
<i>contact.vat</i>	Character string		<i>Specifies the VAT of the contact.</i>
<i>addon.*</i>	Character string		<i>Associated information for value adding services supplied by CCLLC.</i>
<i>account.name</i>	'main'		<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	Floating point value		<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	Floating point value		<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	Integer value		<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	Character string		<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	Character string		<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	Character string		<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them - only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the</i>

Request:

request.type: contactquire
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CLLLCmber.id: CLLLC-123
effectivember.id: CLLLC-321
transaction.id: mytrans-35432
registry.id:
contact.id: contact1-ID
contact.authinfo: mySecret

Response:

response.type: contactquire
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
sponsor.client.id: clnt23-ID
sponsor.CLLLCmber.id: CLLLC-123
creator.client.id: clnt23-ID
creator.CLLLCmber.id: CLLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID
updater.CLLLCmber.id: CLLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
contact.id: contact1-ID
contact.status: ok
contact.name: John Doe
contact.title: Dr.
contactanization: ACME Solutions
contact.address.street.1: 100 Centre St
contact.address.city: Townsville
contact.address.state: County Derry

contact.address.postalcode: Z1Z 1Z1
contact.address.countrycode: CA
contact.voice.number: +1.4165559999
contact.voice.extension: 1232
contact.fax: +1.4165558888
contact.fax.extension: 1232
contact.email: jdoe@acmesolutions
contact.language: en-US
contact.authinfo: mySecret
contact.maintainer: http://www.myreseller.com
contact.datapolicy: restrictive
contact.type: registrant
contact.vat: 106/3306/4396
addon.: foobar*
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire contact historical

Description:

This request provides historical information about a contact object. Please note that the response entirely contains data that has been stored in the Gateway. No data that is solely provided by the registry is included (like the registry specific status values). Also no data at all can be provided for objects that are not managed by the Gateway.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'contactquire.historica	<i>Identifies the command type for contact inquiry.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id</i>

				<i>id.</i> <i>Backward compatibility:</i> <i>Key: transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>Default: DotShop</i>	<i>Id of the involved registry</i>
<i>contact.id</i>	<i>Required</i>		<i>Character string</i>	<i>The id of the contact to inquire.</i> <i>Backward compatibility:</i> <i>Key: har</i>
<i>ref.date</i>	<i>Required</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The reference date for which the data of the contact shall be returned.</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	<i>'contactquire'</i>	<i>Specifies the response type for contact inquiry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>valid.from</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The point in time from which the supplied data was valid (inclusive).</i>
<i>valid.to</i>	<i>Date and time formatted according to one variant of the extended date-time</i>	<i>The point in time up to which the supplied data was valid (exclusive). The field is omitted in the</i>

		<i>form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>case that the data is still valid at request time.</i>
<i>sponsor.client.id</i>		<i>Character string</i>	<i>The client id of the inquired object's sponsor.</i>
<i>sponsor.CLLCmber.id</i>		<i>Character string</i>	<i>Id of the sponsoring CLLC member (if the inquired object is sponsored by a CLLC member).</i>
<i>creator.client.id</i>		<i>Character string</i>	<i>The client id of the inquired object's creator.</i>
<i>creator.CLLCmber.id</i>		<i>Character string</i>	<i>Id of the CLLC member that created the inquired object (if the inquired object was created by a CLLC member).</i>
<i>creation.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of object creation according to the registry.</i>
<i>updater.client.id</i>		<i>Character string</i>	<i>The client id of the inquired object's last update. Not present if the inquired object has never been modified.</i>
<i>updater.CLLCmber.id</i>		<i>Character string</i>	<i>Id of the CLLC member that last updated the inquired object (if the last object update was done by a CLLC member).</i>
<i>update.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>
<i>transfer.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last transfer of the inquired object. Not present if the inquired object has never been transferred.</i>
<i>contact.id</i>		<i>Character string</i>	<i>The id of the inquired contact.</i>

<i>contact.status</i>	<i>Character string</i>	<i>A comma-separated list of status values for the contact. Refer to the status value specification below for a list of valid status values.</i>
<i>contact.name</i>	<i>Character string (full Unicode charset)</i>	<i>Name of the individual or the role represented by the inquired contact.</i>
<i>contact.title</i>	<i>Character string (full Unicode charset)</i>	<i>Title of the individual.</i>
<i>contact.ianization</i>	<i>Character string (full Unicode charset)</i>	<i>Name of the organization with which the contact is affiliated.</i>
<i>contact.address.street.<1-3></i>	<i>Character string (full Unicode charset)</i>	<i>The contact's first second and third street address.</i>
<i>contact.address.city</i>	<i>Character string (full Unicode charset)</i>	<i>The contact's city.</i>
<i>contact.address.state</i>	<i>Character string (full Unicode charset)</i>	<i>The contact's state or province.</i>
<i>contact.address.postalcode</i>	<i>Character string (full Unicode charset)</i>	<i>The contact's postal code.</i>
<i>contact.address.countrycode</i>	<i>ISO-3166 country code</i>	<i>The contact's country code (two-character ISO 3166 country code).</i>
<i>contact.i15d.name</i>	<i>Character string (full Unicode charset)</i>	<i>Name of the individual or the role represented by the inquired contact. [optional internationalized version]</i>
<i>contact.i15d.title</i>	<i>Character string (full Unicode charset)</i>	<i>Title of the individual. [optional internationalized version]</i>
<i>contact.i15danization</i>	<i>Character string (full Unicode charset)</i>	<i>Name of the organization with which the contact is affiliated. [optional internationalized version]</i>
<i>contact.i15d.address.street.<1-3></i>	<i>Character string (full Unicode charset)</i>	<i>The contact's first second and third street address. [optional internationalized version]</i>
<i>contact.i15d.address.city</i>	<i>Character string (full Unicode charset)</i>	<i>The contact's city. [optional internationalized version]</i>
<i>contact.i15d.address.state</i>	<i>Character string (full Unicode charset)</i>	<i>The contact's state or province. [optional internationalized version]</i>
<i>contact.i15d.address.postalcode</i>	<i>Character string (full Unicode charset)</i>	<i>The contact's postal code. [optional internationalized version]</i>
<i>contact.i15d.address.countrycode</i>	<i>ISO-3166 country code</i>	<i>The contact's country code (two-character ISO</i>

			3166 country code). [optional internationalized version]
<i>contact.voice.number</i>	Character string that must begin with a plus '+' sign followed by a country code followed by a dot followed by a sequence of digits representing the telephone number		The contact's voice telephone number.
<i>contact.voice.extension</i>	Character string		The contact's voice telephone number extension
<i>contact.fax</i>	Character string		The contact's facsimile telephone number.
<i>contact.fax.extension</i>	Character string		
<i>contact.email</i>	Character string representing a valid e-mail address		The contact's e-mail address.
<i>contact.language</i>	Language tag according to RFC 3066		The contact's preferred natural language.
<i>contact.authinfo</i>	Character string		The authorization information associated with the contact (pass phrase/password); this information is only returned if the querying CCLLC member is sponsoring the inquired contact.
<i>contact.maintainer</i>	Character string (full Unicode charset)		Id or URL of the CCLLC member's reseller (if the contact is not directly maintained by the CCLLC member).
<i>contact.datapolicy</i>	'restrictive' 'permissive'		Specifies whether the contact's data may be used for marketing purposes. restrictive disallows the use permissive allows it.
<i>addon.*</i>	Character string		Associated information for value adding services supplied by CCLLC.
<i>account.name</i>	'main'		The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).
<i>accountange</i>	Floating point value		The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.
<i>account.newbalance</i>	Floating point value		The amount of currency units present on the account after completion of the command.
<i>result.<1-∞>.code</i>	Integer value		Numeric code of a specific result of the command.

			<i>(one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>		<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>		<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>		<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them - only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: contactquire.historical

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

contact.id: contact1-ID

ref.date: 2001-05-18T12:00:00.0Z

Response:

response.type: contactquire

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

valid.from: 2001-05-17T22:00:00.0Z

valid.to: 2001-06-22T22:00:00.0Z

sponsor.client.id: clnt23-ID

sponsor.CLLCmber.id: CLLC-123
creator.client.id: clnt23-ID
creator.CLLCmber.id: CLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID
updater.CLLCmber.id: CLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
contact.id: contact1-ID
contact.status: ok
contact.name: John Doe
contact.title: Dr.
contactanization: ACME Solutions
contact.address.street.1: 100 Centre St
contact.address.city: Townsville
contact.address.state: County Derry
contact.address.postalcode: Z1Z 1Z1
contact.address.countrycode: CA
contact.voice.number: +1.4165559999
contact.voice.extension: 1232
contact.fax: +1.4165558888
contact.fax.extension: 1232
contact.email: jdoe@acmesolutions
contact.language: en-US
contact.authinfo: mySecret
contact.maintainer: http://www.myreseller.com
contact.datapolicy: restrictive
addon.: foobar*
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire host

Description:

Inquire information about a host object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'hostquire'</i>	<i>Identifies the command type for host inquiry. Backward compatibility: Key request-1 Value inquire 1</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction</i>

				<i>id.</i> <i>Backward compatibility:</i> <i>Key transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>Default: DotShop</i>	<i>Id of the involved registry</i>
<i>host.name</i>	<i>Required (only if alternative field 'host.id' is not specified)</i>		<i>Character string min max. 132 characters (full Unicode character set)</i>	<i>The name of the host to inquire.</i>
<i>host.name.i15a</i>	<i>Optional</i>		<i>Character string min max. 132 characters (full Unicode character set)</i>	<i>This field contains the presentation form of the corresponding host.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>host.id</i>	<i>Required (only if alternative field 'host.name' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the host to inquire.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'hostquire'</i>	<i>Specifies the response type for host inquiry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>sponsor.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's sponsor.</i>
<i>sponsor.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the sponsoring CLLC member (if the inquired object is sponsored by a CLLC member).</i>
<i>creator.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's creator.</i>
<i>creator.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the CLLC member that created the inquired object (if the inquired object was created by a CLLC member).</i>

<i>creation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>		<i>The date of object creation according to the registry.</i>
<i>updater.client.id</i>	<i>Character string</i>		<i>The client id of the inquired object's last updater. Not present if the inquired object has never been modified.</i>
<i>updater.CLLCmber.id</i>	<i>Character string</i>		<i>Id of the CLLC member that last updated the inquired object (if the last object update was done by a CLLC member).</i>
<i>update.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>		<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>
<i>transfer.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>		<i>The date of the last transfer of the inquired object. Not present if the inquired object has never been transferred.</i>
<i>host.name</i>	<i>Character string (full Unicode charset)</i>		<i>The name of the inquired host.</i>
<i>host.name.i15d</i>	<i>Character string (full Unicode charset)</i>		<i>This field contains the presentation form of the host name.</i>
<i>host.id</i>	<i>Character string</i>		<i>The registry-assigned id of the inquired host.</i>
<i>host.status</i>	<i>Character string</i>		<i>A comma-separated list of status values for the host. Refer to the status value specification below for a list of valid status values.</i>
<i>host.addr.<1-∞>.value</i>	<i>Character string</i>		<i>An IP address of the host.</i>
<i>host.addr.<1-∞>.type</i>	<i>'ipv4' 'ipv6'</i>		<i>The type of the corresponding IP address (IPV4 or IPV6).</i>
<i>host.authinfo</i>	<i>Character string</i>		<i>The authorization information associated with the host (pass phrase/password); this information is only returned if the querying CLLC member is sponsoring</i>

			<p>the inquired host.</p> <p>N_i EPP currently doesn't associate authorization information with host objects; this optional field is provided for future use.</p>
<i>host.maintainer</i>	Character string (full Unicode charset)		Id or URL of the CCLLC member's reseller (if the host is not directly maintained by the CCLLC member).
<i>addon.*</i>	Character string		Associated information for value adding services supplied by CCLLC.
<i>account.name</i>	'main'		The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).
<i>accountange</i>	Floating point value		The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.
<i>account.newbalance</i>	Floating point value		The amount of currency units present on the account after completion of the command.
<i>result.<1-∞>.code</i>	Integer value		Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.
<i>result.<1-∞>.msg</i>	Character string		The specific result of the command in human-readable form.
<i>result.<1-∞>.error.<1-∞></i>	Character string		The field value from the request which caused the corresponding result.
<i>result.<1-∞>.key.<1-∞></i>	Character string		<p>The field (key) from the request which caused the corresponding result.</p> <p>N_i The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</p>

Request:

request.type: hostquire

payload.version: 2.0

transaction otp: jkr321

transaction.atp: tOpSecrEt32
CLLCmber.id: CLLC-123
effectivember.id: CLLC-321
transaction.id: mytrans-35432
registry.id:
host.name: ns1.domain
host.name.i15d: ns1.domain
host.id: host1-ID
Response:
response.type: hostquire
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
sponsor.client.id: clnt23-ID
sponsor.CLLCmber.id: CLLC-123
creator.client.id: clnt23-ID
creator.CLLCmber.id: CLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID
updater.CLLCmber.id: CLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
host.name: ns1.domain
host.name.i15d: ns1.domain
host.id: host1-ID
host.status: ok
host.addr.1.value: 100.103.44.15
host.addr.1.type: ipv4
host.authinfo: mySecret
host.maintainer: http://www.myreseller.com
addon.: foobar*
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire host historical

Description:

This request provides historical information about a host object. Please note that the response entirely contains data that has been stored in the Gateway. No data that is solely provided by the registry is included (like the registry specific status values). Also no data at all can be provided for objects that are not managed by the Gateway. Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'hostquire.historical'</i>	<i>Identifies the command type for host inquiry.</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility:</i>

				<i>k</i> transaction
<i>registry.id</i>	<i>Optional</i>		<i>Default: DotShop</i>	<i>Id of the involved registry.</i>
<i>host.name</i>	<i>Required (only if alternative field 'host.id' is not specified)</i>		<i>Character string min max. 132 characters (full Unicode charsets)</i>	<i>The name of the host to inquire.</i>
<i>host.name.i15a</i>	<i>Optional</i>		<i>Character string min max. 132 characters (full Unicode charsets)</i>	<i>This field contains the presentation form of the corresponding host.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>host.id</i>	<i>Required (only if alternative field 'host.name' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the host to inquire.</i>
<i>ref.date</i>	Required		<i>Date and time formatted according one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The reference date for which the data of the contact shall be returned.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'hostquire.historical'</i>	<i>Specifies the response type for host inquiry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>

<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>valid.from</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The point in time from which the supplied data was valid (inclusive).</i>
<i>valid.to</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The point in time up to which the supplied data was valid (exclusive). The field is omitted in the case that the data is still valid at request time.</i>
<i>sponsor.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's sponsor.</i>
<i>sponsor.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the sponsoring CLLC member (if the inquired object is sponsored by a CLLC member).</i>
<i>creator.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's creator.</i>
<i>creator.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the CLLC member that created the inquired object (if the inquired object was created by a CLLC member).</i>
<i>creation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of object creation according to the registry.</i>
<i>updater.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's last updater. Not present if the inquired object has never been modified.</i>
<i>updater.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the CLLC member that last updated the inquired object (if the last object update was done by a CLLC member).</i>
<i>update.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-</i>	<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>

		<i>ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	
<i>transfer.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last transfer of the inquired object. Nil present if the inquired object has never been transferred.</i>
<i>host.name</i>		<i>Character string (full Unicode charset)</i>	<i>The name of the inquired host.</i>
<i>host.name.i15d</i>		<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the host name.</i>
<i>host.id</i>		<i>Character string</i>	<i>The registry-assigned id of the inquired host.</i>
<i>host.status</i>		<i>Character string</i>	<i>A comma-separated list of status values for the host. Refer to the status value specification below for a list of valid status values.</i>
<i>host.addr.<1-∞>.value</i>		<i>Character string</i>	<i>An IP address of the host.</i>
<i>host.addr.<1-∞>.type</i>		<i>'ipv4' 'ipv6'</i>	<i>The type of the corresponding IP address (IPV4 or IPV6).</i>
<i>host.authinfo</i>		<i>Character string</i>	<i>The authorization information associated with the host (pass phrase/password); this information is only returned if the querying CCLLC member is sponsoring the inquired host. Nil EPP currently doesn't associate authorization information with host object this optional field is provided for future use.</i>
<i>host.maintainer</i>		<i>Character string (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the host is not directly maintained by the CCLLC member).</i>
<i>addon.*</i>		<i>Character string</i>	<i>Associated information for value adding services supplied by CCLLC.</i>
<i>account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative</i>

			<i>number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N The keys are not supplied for errors found the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: hostquire.historical
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CLLCmber.id: CLLC-123
effectivember.id: CLLC-321
transaction.id: mytrans-35432
registry.id:
host.name: ns1.domain
host.name.i15d: ns1.domain
host.id: host1-ID
ref.date: 2001-05-18T12:00:00.0Z

Response:

response.type: hostquire.historical
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully

transaction.id: mytrans-35432
registry.transaction.id: tr493324
valid.from: 2001-05-17T22:00:00.0Z
valid.to: 2001-06-22T22:00:00.0Z
sponsor.client.id: clnt23-ID
sponsor.CLLCmber.id: CLLC-123
creator.client.id: clnt23-ID
creator.CLLCmber.id: CLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID
updater.CLLCmber.id: CLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
host.name: ns1.domain
host.name.i15d: ns1.domain
host.id: host1-ID
host.status: ok
host.addr.1.value: 100.103.44.15
host.addr.1.type: ipv4
host.authinfo: mySecret
host.maintainer: http://www.myreseller.com
addon.: foobar*
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: check domain

Description:

Check the availability of one or more domains.

Request format:

<i>Key</i>	<i>Occurrence</i>	<i>Value type/content</i>	<i>Description</i>
<i>request.type</i>	Required	'domaineck'	<i>Identifies the command type for domain check</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the</i>

				request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
transaction.otp	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits		The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
transaction.atp	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string		The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
CCLLCmember.id	Required	Character string		Id of the requesting CCLLC member. Backward compatibility: Key: registra
effectivemember.id	Optional	Character string		Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
transaction.id	Required	Character string		The CCLLC member's arbitrary internal transaction id. Backward compatibility: Key: transaction
registry.id	Optional	Default: DotSh		Id of the involved registry.
domain.<1-∞>.name	Required	Character string, min. 1 max. 255 characters (full Unicode charse		This field specifies the domain name(s) that shall be tested for availability. The field may contain either the presentation form or its Punycode encoded form.

<i>domain.<1-∞>.name.i15d</i>	<i>Optional</i>	<i>Character string min. 1 max. 255 characters (full Unicode charset)</i>	<i>This field contains the presentation form the corresponding domain.#.name field to ensure the integrity of the name. If the field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>domain.<1-∞>.name.language</i>	<i>Optional</i>	<i>Language tag according to RFC 3066</i>	<i>This field defines the language context of the domain name to check. Note that this is only required by some registries if an IDN is checked.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domaineck'</i>	<i>Specifies the response type for domain check.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>domain.<1-∞>.name</i>	<i>Character string min. 1 max. 255 characters (full Unicode charset)</i>	<i>This field contains the domain name(s) that have been requested to be checked. Each field corresponds to the n-th field of the request. Please note that the contents of the field does not need to be exactly the same. Normalization or other registry specific rules may have adjusted the name.</i>
<i>domain.<1-∞>.name.i15d</i>	<i>Character string min. 1 max. 255 characters (full Unicode charset)</i>	<i>This field contains the presentation form the corresponding domain.#.name field to ensure the integrity of the name.</i>
<i>domain.<1-∞>.available</i>	<i>Boolean value ('true' or 'false')</i>	<i>Contains the availability of the domain name.</i>
<i>domain.<1-∞>.reason</i>	<i>Character string (full Unicode charset)</i>	<i>Optional response field that contains an additional reason for the given availability. The possible values are not standardized and should not be interpreted.</i>
<i>domain.<1-∞>..availabledate</i>	<i>Date and time formatted according to RFC 3339</i>	<i>In case of a quarantined domain name the date and time when the domain name was quarantined.</i>

		<i>variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>time at which the domain name will become available. Please note that the time indicates the start of a 24h period in which the domain will be released. Be aware that the date in EPP is returned in UTC while scheduled operations will be performed in Belgian time (CET/CEST).</i>
<i>domain.<1-∞>..status</i>		<i>Character string</i>	<i>A comma-separated list of status values for the domain.</i>

Request:

request.type: domaineck

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CLLLCmber.id: CLLLC-123

effectivember.id: CLLLC-321

transaction.id: mytrans-35432

registry.id:

domain.l.name: example.com

domain.l.name.i15d: example.com

domain.l.name.language: en-US

Response:

response.type: domaineck

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

domain.l.name: example.com

domain.l.name.i15d: example.com

domain.l.available: false

domain.l.reason: In use

COMMAND TYPE: inquire applied domain

Description:

Inquire an applied domain object.

- *The registry type is checked against the domain name. If it does not match the registry type is corrected.*
- *If the specified contacts are those of a different registry they are replaced by corresponding auto-sync contacts which are created on the fly.*

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'domain.applyquire'</i>	<i>Identifies the command type for domain inquiry in 's Sunrise phases. Backward compatibility: Key request-type Value inquire applied don</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>

<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>	<i>Default: DotShop</i>	<i>Id of the involved registry.</i>
<i>domain.id</i>	Required	<i>Character string min max. 255 characters</i>	<i>Id of the involved domain</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.applyquire'</i>	<i>Specifies the response type for inquiry of applied domain.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>domain.name</i>	<i>Character string</i>	<i>The name of the inquired domain.</i>
<i>domain.code</i>	<i>Character string max. 255 characters</i>	<i>The code needed for coverage of the documentary evidence</i>
<i>creation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The creation date of the object according to the registry.</i>
<i>domain.apply.status</i>	<i>Character string</i>	<i>The application status of the domain</i>

		<ul style="list-style-type: none"> • <i>INITIAL</i> • <i>EXED</i> • <i>ACCEPTED</i> • <i>REJECTED</i> • <i>ACTIVATED</i> • <i>NOT CONSIDERED</i>
<i>contact.<1-∞>.id</i>	<i>Character string</i>	<i>The id of the specified contact</i>
<i>contact.<1-∞>.type</i>	<i>Character string</i>	<i>The contact type</i>
<i>ns.<1-∞>.name</i>	<i>Character string</i>	<i>Name of the host</i>
<i>ns.<1-∞>.address.<1-∞>.value</i>	<i>Character string</i>	<i>Address of the host.</i>
<i>ns.<1-∞>.address.<1-∞>.type</i>	<i>Character string</i>	<i>The name of the inquired domain.</i>
<i>docs.received.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date when the registry receives the documentary evidence.</i>
<i>activation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The activation date of the domain.</i>
<i>domain.adr</i>	<i>Boolean value ('true' or 'false')</i>	<i>A boolean value indicating if an AD procedure is pending for this domain application</i>
<i>creator.CLLCmber.id</i>	<i>Character string</i>	<i>Character string</i>
<i>sponsor.CLLCmber.id</i>	<i>Character string</i>	<i>Character string</i>

Request:

request.type: domain.applyquire

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32
CLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
domain.id: D476319-EU
Response:
response.type: domain.applyquire
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
domain.name: domain
domain.code: 123624698266354
creation.date: 2005-12-17T22:00:00.0Z
domain.apply.status: INITIAL
contact.l.id: c1362159
contact.l.type: registrant
ns.l.name: ns1.domain
ns.l.address.l.value: 123.245.167.189
ns.l.address.l.type: v4
docs.received.date: 2005-12-18T22:00:00.0Z
activation.date: 2005-12-19T22:00:00.0Z
domain.adr: false
creator.CLLCmber.id: CCLLC-32
sponsor.CLLCmber.id: CCLLC-32

COMMAND TYPE: inquire domain*Description:**Inquire information about a domain object.**Request format:*

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domainquire'	Identifies the command type for domain inquiry. Backward compatibility: Key: request-type Value: inquire don
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.

<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction.
<i>registry.id</i>	Optional	Default: DotShop	Id of the involved registry.
<i>domain.name</i>	Required (only if alternative field 'domain.id' is not specified)	Character string minimum 1 max. 131 characters (full Unicode characters)	The name of the domain to inquire.
<i>domain.name.internationalized</i>	Optional	Character string minimum 1 max. 131 characters (full Unicode characters)	This field contains the presentation form of the corresponding domain.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.
<i>domain.id</i>	Required (only if alternative field 'domain.name' is not specified)	Character string	The registry-assigned id of the domain to inquire. If both domain.name and domain.id are given in the request domain.id takes precedence.
<i>domain.authorization</i>	Optional	Character string minimum 1 max. 32 characters	The authorization information specified by the registrant (pass phrase/password). If this is specified the registry may return additional information (like contacts) about the inquired domain which is not included in its response otherwise.

Response format:

Key	Value type/content	Description
<i>response.type</i>	'domaininquire'	Specifies the response type for domain inquiry.
<i>payload.version</i>	'2.0'	Version of the payload format used in the response.
<i>result.code</i>	Integer value	The overall numeric result code of the command.
<i>result.msg</i>	Character string	The overall result of the command in human-readable form.
<i>transaction.id</i>	Character string	The transaction id specified in the request.
<i>registry.transaction.id</i>	Character string	The transaction id assigned by the registry.
<i>sponsor.client.id</i>	Character string	The client id of the inquired object's sponsor.

<i>sponsor.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the sponsoring CLLC member (if the inquired object is sponsored by a CLLC member).</i>
<i>creator.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's creator.</i>
<i>creator.CLLCmber.id</i>	<i>Character string</i>	
<i>creation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of object creation according to the registry.</i>
<i>updater.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's last updater. Not present if the inquired object has never been modified.</i>
<i>updater.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the CLLC member that last updated the inquired object (if the last object update was done by a CLLC member).</i>
<i>update.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>
<i>transfer.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last transfer of the inquired object. Not present if the inquired object has never been transferred.</i>
<i>domain.name</i>	<i>Character string</i>	<i>The name of the inquired domain.</i>
<i>domain.name.i15d</i>	<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the domain name.</i>

<i>domain.variant.<1-∞>.name</i>	<i>Character string min. 1 max. 63 characters (full Unicode charset)</i>	<i>This field specifies an additional domain name variant that is registered along with the base name. This field uses Punycode encoded form.</i>
<i>domain.variant.<1-∞>.name.i15d</i>	<i>Character string min. 1 max. 63 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding domain.variant.#.name field.</i>
<i>domain.name.language</i>	<i>Language tag according to RFC 3066</i>	<i>This field defines the language context of the domain name.</i>
<i>domain.id</i>	<i>Character string</i>	<i>The registry-assigned id of the inquired domain.</i>
<i>domain.status</i>	<i>Character string</i>	<i>A comma-separated list of status values for the domain. Refer to the status value specification below for a list of valid status values.</i>
<i>domain.authinfo</i>	<i>Character string</i>	<i>The authorization information associated with the domain (pass phrase/password); this information is only returned if the querying CCLLC member is sponsoring the inquired domain.</i>
<i>domain.maintainer</i>	<i>Character string (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the domain is not directly maintained by the CCLLC member).</i>
<i>expiration.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The expiration date of the object according to the registry.</i>
<i>ens.sponsor.<1-3></i>	<i>Character string representing valid e-mail address</i>	<i>Specifies one sponsor contact e-mail address for this domain. If sponsor-based authorization is used, a domain must have either exactly one or exactly three sponsor contact e-mail addresses.</i>
<i>ens.auth.id</i>	<i>Character string</i>	<i>The ID of the ENS_Auth record that has been used for the registration of this domain.</i>
<i>registration.type</i>	<i>Character string</i>	<i>The type of registration.</i>
<i>ens.refurl</i>	<i>Character string min. 1 max. 255 characters</i>	<i>This field contains the web site reference as an evidence for the eligibility specified as a URL.</i>
<i>extended.use</i>	<i>Character string min. 1 max. 63 characters (full Unicode charset)</i>	<i>The field describes the intended use of the domain.</i>

		<i>1000 characters (full Unicode charset)</i>	<i>as required by the registration policy.</i>
<i>contact.<1-∞>.id</i>		<i>Character string</i>	<i>The id of a contact to be associated with the domain. The number and types of required contacts are registry specific.</i>
<i>contact.<1-∞>.type</i>		<i>'admin' 'billing' 'registrant' 'technical' 'zone' 'onsite' 'ced' 'opn' 'agent'</i>	<i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i>
<i>ns.<1-∞>.name</i>		<i>Character string</i>	<i>The fully qualified name of a name server associated with the domain. The number of name servers is registry specific.</i>
<i>ns.<1-∞>.name.i15d</i>		<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the name server name.</i>
<i>ns.<1-∞>.id</i>		<i>Character string</i>	<i>The registry-assigned id of the corresponding name server.</i>
<i>ns.<1-∞>.address.<1-∞>.value</i>		<i>Character string</i>	<i>The IP address of the host.</i>
<i>ns.<1-∞>.address.<1-∞>.type</i>		<i>'v4' 'v6'</i>	<i>The address type of the host.</i>
<i>host.<1-∞>.name</i>		<i>Character string</i>	<i>The fully qualified name of a host object created under this superordinate domain object. N: According to EPP host objects listed here are subject to transfer when transferring the domain object.</i>
<i>host.<1-∞>.name.i15d</i>		<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the name of a host object created under this superordinate domain object.</i>
<i>host.<1-∞>.id</i>		<i>Character string</i>	<i>The registry-assigned id of the corresponding host object.</i>
<i>dnssec.ds.<1-∞>.ds.keytag</i>		<i>Integer value min. 0 max. 65535</i>	<i>The key tag assigned to the DS record. The field is required for a DS entry.</i>
<i>dnssec.ds.<1-∞>.ds.alg</i>		<i>Integer value min. 0 max. 255</i>	<i>The algorithm of the related DNSKEY record. The field is required for a DS entry.</i>
<i>dnssec.ds.<1-∞>.ds.digesttype</i>		<i>Integer value min. 0 max. 255</i>	<i>The digest type used for the hash of the related DNSKEY record. The field is required for a DS entry.</i>
<i>dnssec.ds.<1-∞>.ds.digest.hex</i>		<i>Hexadecimal encoded binary data (see also Base16 encoding)</i>	

		<i>in RFC 4648)</i>	
<i>dnssec.ds.<1-∞>.ds.digest.base64</i>		<i>Base64 encoded binary data according to RFC 4648</i>	<i>The Base64 representation of the hash of the DNSKEY record.</i>
<i>dnssec.ds.<1-∞>.ds.maxsiglife</i>		<i>Integer value min. 1</i>	<i>The maximum lifetime of the signature of the DS record. This is only a recommendation the registrar is not obliged to respect the value.</i>
<i>dnssec.ds.<1-∞>.key.flags</i>		<i>Integer value min. 0 max. 65535</i>	<i>The flags value of the related DNSKEY record.</i>
<i>dnssec.ds.<1-∞>.key.protocol</i>		<i>Integer value min. 0 max. 255</i>	<i>The protocol value of the related DNSKEY record.</i>
<i>dnssec.ds.<1-∞>.key.alg</i>		<i>Integer value min. 0 max. 255</i>	<i>The algorithm value of the related DNSKEY record.</i>
<i>dnssec.ds.<1-∞>.key.pubkey.hex</i>		<i>Hexadecimal encoded binary data (see also Base16 encoding in RFC 4648)</i>	<i>The hexadecimal representation of the public key data.</i>
<i>dnssec.ds.<1-∞>.key.pubkey.base64</i>		<i>Base64 encoded binary data according to RFC 4648</i>	<i>The Base64 representation of the public key data.</i>
<i>.th.user.name</i>		<i>Character string</i>	<i>The name of the user associated with this domain (case-insensitive).</i>
<i>.thstance</i>		<i>Character string</i>	<i>The TelHosting system (possibly including the partition) to which the user belongs.</i>
<i>addon.*</i>		<i>Character string</i>	<i>Associated information for value adding service supplied by CCLLC.</i>
<i>account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>

<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N. The keys are not supplied for errors for by the EPP registry server because EP does not provide them — only the offending values are supplied in this ca Offending keys are only supplied for errors detected by the gateway fronten</i>

Request:

*request.type: domainquire
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:*

*domain.name: acme
domain.name.i15d: domain.com
domain.id: domain1-ID
domain.authinfo: mySecret*

Response:

*response.type: domainquire
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
sponsor.client.id: clnt23-ID
sponsor.CCLLCmber.id: CCLLC-123
creator.client.id: clnt23-ID
creator.CCLLCmber.id: CCLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID*

updater.CLLCmber.id: CLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
domain.name: acme
domain.name.i15d: domain.com
domain.variant.1.name: xn--barc-3na
domain.variant.1.name.i15d: barcà
domain.name.language: en-US
domain.id: domain1-ID
domain.status: ok
domain.authinfo: mySecret
domain.maintainer: http://www.myreseller.com
exation.date: 2003-05-17T22:00:00.0Z
ens.sponsor.1: mysponsor@mydomain.com
ens.auth.id: 12345678-airline
registration.type: airline-iata
ens.refurl: http://www.example.com
enstended.use: Domain will host a web site dedicated to Catalan architecture
contact.1.id: contact1-ID
contact.1.type: registrant
ns.1.name: ns1.domain
ns.1.name.i15d: ns1.domain
ns.1.id: host1-ID
ns.1.address.1.value: 123.145.167.212
ns.1.address.1.type: v4
host.1.name: ns1.acme
host.1.name.i15d: ns1.domain
host.1.id: host2-ID
addon.: foobar*
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire domain historical

Description:

This request provides historical information about a domain object. Please note that the response entirely contains data that has been stored in the Gateway. No data that is solely provided by the registry is included (like the registry specific status values). Also no data at all can be provided for objects that are not managed by the Gateway.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'domaininquire.historica</i>	<i>Identifies the command type for domain inquiry.</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request Backward compatibility: Ke: payload-version Va: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for th transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra.</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal</i>

				<i>transaction id.</i> <i>Backward compatibility:</i> <i>k transaction</i>
<i>registry.id</i>	<i>Optional</i>	<i>Default: DotShop</i>		<i>Id of the involved registry.</i>
<i>domain.name</i>	<i>Required (only if alternative field 'domain.id' is not specified)</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>		<i>The name of the domain to inquire.</i>
<i>domain.name.i15c</i>	<i>Optional</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>		<i>This field contains the presentation form of the corresponding domain.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>domain.id</i>	<i>Required (only if alternative field 'domain.name' is not specified)</i>	<i>Character string</i>		<i>The registry-assigned id of the domain to inquire. both domain.name and domain.id are given in the request domain.id takes precedence.</i>
<i>ref.date</i>	Required	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>		<i>The reference date for which the data of the content shall be returned.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domaininquire.historical'</i>	<i>Specifies the response type for domain inquiry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>

			<i>readable form.</i>
<i>transaction.id</i>	<i>Character string</i>		<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>		<i>The transaction id assigned by the registry.</i>
<i>valid.from</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final denotes the decimal fraction of the second.</i>		<i>The point in time from which the supplied data was valid (inclusive).</i>
<i>valid.to</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final denotes the decimal fraction of the second.</i>		<i>The point in time up to which the supplied data was valid (exclusive). The field is omitted in the case that the data is still valid at request time.</i>
<i>sponsor.client.id</i>	<i>Character string</i>		<i>The client id of the inquired object's sponsor.</i>
<i>sponsor.CLLCmber.id</i>	<i>Character string</i>		<i>Id of the sponsoring CLLC member (if the inquired object is sponsored by a CLLC member).</i>
<i>creator.client.id</i>	<i>Character string</i>		<i>The client id of the inquired object's creator..</i>
<i>creator.CLLCmber.id</i>	<i>Character string</i>		<i>Id of the CLLC member that created the inquired object (if the inquired object was created by a CLLC member).</i>
<i>creation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final denotes the decimal fraction of the second.</i>		<i>The date of object creation according to the registry.</i>
<i>updater.client.id</i>	<i>Character string</i>		<i>The client id of the inquired object's last updater. Not present if the inquired object has never been modified.</i>
<i>updater.CLLCmber.id</i>	<i>Character string</i>		<i>Id of the CLLC member that last updated the inquired object (if the last object update was done by a CLLC member).</i>
<i>update.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final denotes the decimal fraction of the second.</i>		<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>
<i>transfer.date</i>	<i>Date and time formatted according to one</i>		<i>The date of the last transfer of the inquired object.</i>

		<i>variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final denotes the decimal fraction of the second.</i>	<i>Not present if the inquired object has never been transferred.</i>
<i>host.name</i>		<i>Character string (full Unicode charset)</i>	<i>The name of the inquired host.</i>
<i>host.name.i15d</i>		<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the host name.</i>
<i>host.id</i>		<i>Character string</i>	<i>The registry-assigned id of the inquired host.</i>
<i>host.status</i>		<i>Character string</i>	<i>A comma-separated list of status values for the host. Refer to the status value specification below for a list of valid status values.</i>
<i>host.addr.<1-∞>.value</i>		<i>Character string</i>	<i>An IP address of the host.</i>
<i>host.addr.<1-∞>.type</i>		<i>'ipv4' 'ipv6'</i>	<i>The type of the corresponding IP address (IPV4 or IPV6).</i>
<i>host.authinfo</i>		<i>Character string</i>	<i>The authorization information associated with the host (pass phrase/password); this information is only returned if the querying CCLLC member is sponsoring the inquired host. Note: EPP currently doesn't associate authorization information with host objects; this optional field is provided for future use.</i>
<i>host.maintainer</i>		<i>Character string (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the host is not directly maintained by the CCLLC member).</i>
<i>addon.*</i>		<i>Character string</i>	<i>Associated information for value adding services supplied by CCLLC.</i>
<i>account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: domainquire.historical

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CLLLCmber.id: CLLLC-123

effectivember.id: CLLLC-321

transaction.id: mytrans-35432

registry.id:

domain.name: acme

domain.name.i15d: domain.com

domain.id: domain1-ID

ref.date: 2001-05-18T12:00:00.0Z

Response:

response.type: domainquire.historical

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

valid.from: 2001-05-17T22:00:00.0Z

valid.to: 2001-06-22T22:00:00.0Z

sponsor.client.id: clnt23-ID
sponsor.CLLCmber.id: CCLLC-123
creator.client.id: clnt23-ID
creator.CLLCmber.id: CCLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID
updater.CLLCmber.id: CCLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
host.name: ns1.domain
host.name.i15d: ns1.domain
host.id: host1-ID
host.status: ok
host.addr.1.value: 100.103.44.15
host.addr.1.type: ipv4
host.authinfo: mySecret
host.maintainer: http://www.myreseller.com
addon.: foobar*
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire zone

Description:

Inquire information about a zone object. Collects information from all providers currently responsible for this zone and aggregates it.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'zonequire'	<i>Identifies the command type for zone inquiry. Backward compatibility: Key request-1 Value inquire z</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction</i>

				<i>id.</i> <i>Backward compatibility:</i> <i>k transaction</i>
<i>zone.id</i>	Required		<i>Character string</i>	<i>The user-assigned id (handle) of the zone to inquire.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'zonequire'</i>	<i>Specifies the response type for zone inquiry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>zone.id</i>	<i>Character string</i>	<i>The user-assigned id (handle) of the inquired zone.</i>
<i>provider.<1-∞>.name</i>	<i>Character string</i>	<i>The name of the provider.</i>
<i>provider.<1-∞>.domain.name</i>	<i>Character string</i>	<i>The domain name of the inquired zone as configured within the provider's system.</i>
<i>provider.<1-∞>.ns.<1-∞>.name</i>	<i>Character string</i>	<i>The name servers configured for this zone within this provider's system.</i>
<i>provider.<1-∞>.ns.<1-∞>.notification</i>	<i>Character string</i>	<i>The notification setting of this zone within this provider's system. See the description of the zone deployment notification message type for explanations of the allowed values.</i>
<i>provider.<1-∞>.src.<1-∞>.addr.<1-∞>.value</i>	<i>Character string</i>	<i>The IP address of a source name server.</i>
<i>provider.<1-∞>.src.<1-∞>.addr.<1-∞>.type</i>	<i>'ipv4' 'ipv6'</i>	<i>The address type of a source name server.</i>
<i>provider.<1-∞>.rr.<1-∞></i>	<i>Character string</i>	<i>The string representation of a single DNS resource record according to RFC 1035. The records delivered are the actually published records according to the provider's system. Note that these are delivered in addition to the source name server data if the latter is used to populate the name servers.</i>
<i>provider.<1-∞>.serial.newest</i>	<i>Character string</i>	<i>The newest serial number of this zone on the name servers this provider is responsible for.</i>
<i>provider.<1-∞>.serial.oldest</i>	<i>Character string</i>	<i>The oldest serial number of this zone on the name servers this provider is responsible for.</i>
<i>addon.*</i>	<i>Character string</i>	<i>Associated information for value adding services</i>

			<i>supplied by CCLLC.</i>
<i>account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

*request.type: zonequire
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
zone.id: myZoneId1234*

Response:

*response.type: zonequire
payload.version: 2.0*

result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
zone.id: myZoneId1234
provider.l.name: dnsProvider01234
provider.l.domain.name: acme
provider.l.ns.l.name: 123.145.167.212
provider.l.ns.l.notification: user-deployment system-deployment
provider.l.src.l.addr.l.value: 123.145.167.212
provider.l.src.l.addr.l.type: v4
provider.l.rr.l: www IN A 195.253.2.12
provider.l.serial.newest: 123456798
provider.l.serial.oldest: 123456789
addon.: foobar*
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire email

Description:

Inquire information about an e-mail address object..

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'emailquire'</i>	<i>Identifies the command type for e-mail address inquiry. Backward compatibility: k request-i</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction</i>

				<i>id.</i> <i>Backward compatibility:</i> <i>Key: transactionid</i>
<i>registry.id</i>	<i>Optional</i>		<i>Default: DotShop</i>	<i>Id of the involved registry.</i>
<i>email.address</i>	<i>Required (only if alternative field 'email.id' is not specified)</i>		<i>Character string representing a valid e-mail address min. 1 max. 132 characters</i>	<i>The e-mail address to inquire.</i>
<i>email.id</i>	<i>Required (only if alternative field 'email.address' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the e-mail address to inquire.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'emailquire'</i>	<i>Specifies the response type for e-mail address inquiry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>sponsor.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's sponsor.</i>
<i>sponsor.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the sponsoring CLLC member (if the inquired object is sponsored by a CLLC member).</i>
<i>creator.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's creator.</i>
<i>creator.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the CLLC member that created the inquired object (if the inquired object was created by a CLLC member).</i>
<i>creation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of object creation according to the registry.</i>
<i>updater.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's last updater. Not</i>

			<i>present if the inquired object has never been modified</i>
<i>updater.CCLLCmber.id</i>	<i>Character string</i>		<i>Id of the CCLLC member that last updated the inquired object (if the last object update was done by a CCLLC member).</i>
<i>update.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>		<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>
<i>transfer.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>		<i>The date of the last transfer of the inquired object. Not present if the inquired object has never been transferred.</i>
<i>email.address</i>	<i>Character string representing a valid e-mail address</i>		<i>The e-mail address</i>
<i>email.id</i>	<i>Character string</i>		<i>The registry assigned id of the inquired e-mail address.</i>
<i>email.status</i>	<i>Character string</i>		<i>A comma-separated list of status values for the e-mail address. Refer to the status value specification below for a list of valid status values.</i>
<i>email.authinfo</i>	<i>Character string</i>		<i>The authorization information associated with the e-mail address (pass phrase/password); this information is only returned if the querying CCLLC member is sponsoring the inquired e-mail address.</i>
<i>email.maintainer</i>	<i>Character string (full Unicode charset)</i>		<i>Id or URL of the CCLLC member's reseller (if the e-mail address is not directly maintained by the CCLLC member).</i>
<i>email.dest.address</i>	<i>Character string representing a valid e-mail address</i>		<i>E-mail address to be used as the destination for e-mail received by the registry.</i>
<i>expiration.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the</i>		<i>The expiration date of the object according to the registry.</i>

		<i>decimal fraction of the second.</i>	
<i>contact.<1-∞>.id</i>		<i>Character string</i>	<i>The id of a contact to be associated with the e-mail address. The number and types of required contacts are registry specific.</i>
<i>contact.<1-∞>.type</i>		<i>'admin' 'billing' 'registrant' 'tech' 'zone'</i>	<i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i>
<i>addon.*</i>		<i>Character string</i>	<i>Associated information for value adding services supplied by CCLLC.</i>
<i>account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

*request.type: emailquire
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
email.address: john@doe.name
email.id: GNRB-E-39-4733
Response:
response.type: emailquire
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
sponsor.client.id: clnt23-ID
sponsor.CCLLCmber.id: CCLLC-123
creator.client.id: clnt23-ID
creator.CCLLCmber.id: CCLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID
updater.CCLLCmber.id: CCLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
email.address: john@doe.name
email.id: GNRB-E-39-4733
email.status: ok
email.authinfo: mySecret
email.maintainer: http://www.myreseller.com
email.dest.address: john.doe@yahoo.com
exation.date: 2003-05-17T22:00:00.0Z
contact.l.id: contact1-ID
contact.l.type: registrant
addon.*: foobar
account.name: main*

accountage: 0
account.newbalance: 10230

COMMAND TYPE: inquire email historical

Description:

This request provides historical information about an email object. Please note that the response entirely contains data that has been stored in the Gateway. No data that is solely provided by the registry is included (like the registry specific status values). Also no data at all can be provided for objects that are not managed by the Gateway.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'emailquire.historica</i>	<i>Identifies the command type for e-mail address inquiry. Backward compatibility: k request-i</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Val 1.0 (may be used to activate compatibilit mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLL member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivember.id</i>	Optional	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes.</i>

				<i>only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction_i</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>email.address</i>	<i>Required (only if alternative field 'email.id' is not specified)</i>		<i>Character string representing a valid e-mail address min. 1 max. 132 characters</i>	<i>The e-mail address to inquire.</i>
<i>email.id</i>	<i>Required (only if alternative field 'email.address' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the e-mail address to inquire.</i>
<i>ref.date</i>	Required		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The reference date for which the data of the contact shall be returned.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'emailquire'</i>	<i>Specifies the response type for e-mail address inquiry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>

<i>sponsor.client.id</i>	<i>Character string</i>		<i>The client id of the inquired object's sponsor.</i>
<i>sponsor.CLLCmber.id</i>	<i>Character string</i>		<i>Id of the sponsoring CLLC member (if the inquired object is sponsored by a CLLC member).</i>
<i>creator.client.id</i>	<i>Character string</i>		<i>The client id of the inquired object's creator.</i>
<i>creator.CLLCmber.id</i>	<i>Character string</i>		<i>Id of the CLLC member that created the inquired object (if the inquired object was created by a CLLC member).</i>
<i>creation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>		<i>The date of object creation according to the registry.</i>
<i>updater.client.id</i>	<i>Character string</i>		<i>The client id of the inquired object's last updater. Not present if the inquired object has never been modified.</i>
<i>updater.CLLCmber.id</i>	<i>Character string</i>		<i>Id of the CLLC member that last updated the inquired object (if the last object update was done by a CLLC member).</i>
<i>update.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>		<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>
<i>transfer.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-</i>		<i>The date of the last transfer of the inquired object. Not present if the inquired object has never been transferred.</i>

		<i>ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	
<i>email.address</i>		<i>Character string representing a valid e-mail address</i>	<i>The e-mail address</i>
<i>email.id</i>		<i>Character string</i>	<i>The registry assigned id of the inquired e-mail address.</i>
<i>email.status</i>		<i>Character string</i>	<i>A comma-separated list of status values for the e-mail address. Refer to the status value specification below for a list of valid status values.</i>
<i>email.authinfo</i>		<i>Character string</i>	<i>The authorization information associated with the e-mail address (pass phrase/password); this information is only returned if the querying CCLLC member is sponsoring the inquired e-mail address.</i>
<i>email.maintainer</i>		<i>Character string (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the e-mail address is not directly maintained by the CCLLC member).</i>
<i>email.dest.address</i>		<i>Character string representing a valid e-mail address</i>	<i>E-mail address to be used as the destination for e-mail received by the registry.</i>
<i>exation.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The exe date of the object according to the registry.</i>
<i>contact.<1-∞>.id</i>		<i>Character string</i>	<i>The id of a contact to be associated with the e-mail address. The number and types of required contacts are registry specific.</i>
<i>contact.<1-∞>.type</i>		<i>'admin' 'billing' 'registrant' 'tech' 'zone'</i>	<i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i>
<i>addon.*</i>		<i>Character string</i>	<i>Associated information for value adding services supplied by CCLLC.</i>
<i>account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced)</i>

<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found at the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: emailquire.historical

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

email.address: john@doe.name

email.id: GNRB-E-39-4733

ref.date: 2001-05-18T12:00:00.0Z

Response:

response.type: emailquire

payload.version: 2.0

result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
sponsor.client.id: clnt23-ID
sponsor.CLLCmber.id: CCLLC-123
creator.client.id: clnt23-ID
creator.CLLCmber.id: CCLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID
updater.CLLCmber.id: CCLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
email.address: john@doe.name
email.id: GNRB-E-39-4733
email.status: ok
email.authinfo: mySecret
email.maintainer: http://www.myreseller.com
email.dest.address: john.doe@yahoo.com
exation.date: 2003-05-17T22:00:00.0Z
contact.l.id: contact1-ID
contact.l.type: registrant
addon.: foobar*
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire watch

Description:

Inquire information about a watch object.

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Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'watchquire'	<i>Identifies the command type for watch object inquiry</i> <i>Backward compatibility:</i> <i>k request-1</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request.</i> <i>Backward compatibility:</i> <i>Key payload-version</i> <i>Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member.</i> <i>Backward compatibility:</i> <i>k registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id.</i>

				<i>Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>watch.id</i>	<i>Required</i>		<i>Character string</i>	<i>The registry-assigned id of the watch object to inquire.</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	<i>'watchquire'</i>	<i>Specifies the response type for the watch object inquiry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>sponsor.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's sponsor.</i>
<i>sponsor.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the sponsoring CLLC member (if the inquired object sponsored by a CLLC member).</i>
<i>creator.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's creator.</i>
<i>creator.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the CLLC member that created the inquired object (if the inquired object was created by a CLLC member).</i>
<i>creation.date</i>	<i>Date and time formatted according to one variant of the extended date time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of object creation according to the registry.</i>
<i>updater.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's last updater. Not present if the inquired object has never been modified.</i>
<i>updater.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the CLLC member that last updated the inquired object (if the last object update was done by a CLLC member).</i>

<i>update.date</i>	<i>Date and time formatted according to one variant of the extended date time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>	
<i>transfer.date</i>	<i>Date and time formatted according to one variant of the extended date time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last transfer of the inquired object. Not present if the inquired object has never been transferred.</i>	
<i>watch.id</i>	<i>Character string</i>	<i>The registry assigned id of the inquired watch object.</i>	
<i>watch.status</i>	<i>Character string</i>	<i>A comma-separated list of status values for the watch object. Refer to the status value specification below for a list of valid status values.</i>	
<i>watch.authinfo</i>	<i>Character string</i>	<i>The authorization information associated with the watch object (pass phrase/password); this information is only returned if the querying CCLLC member is sponsoring the inquired watch object.</i>	
<i>watch.maintainer</i>	<i>Character string (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the watch address is not directly maintained by the CCLLC member).</i>	
<i>watch.targets</i>	<i>Character string</i>	<i>Comma separated list of objects being watched. See create/modify request for possible targets.</i>	
<i>watch.pattern.type</i>	<i>'literal'</i>	<i>Defines the meaning of the match string.</i>	
<i>watch.pattern.match</i>	<i>Character string</i>	<i>Defines the pattern that is used for the match test.</i>	
<i>watch.report.period.unit</i>	<i>'d' 'w' 'm'</i>	<i>Specifies the unit of the period/frequency of the generated reports (day week or month).</i>	
<i>watch.report.period.value</i>	<i>Integer value</i>	<i>Specifies the period/frequency of the generated reports in days, weeks or months as specified by the watch.report.period.unit field.</i>	
<i>watch.report.address</i>	<i>Character string representing a valid e-mail address</i>	<i>E-mail address to send the reports to.</i>	

<i>exation.date</i>		<i>Date and time formatted according to one variant of the extended date time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The exe date of the object according to the registry.</i>
<i>contact.<1-∞>.id</i>		<i>Character string</i>	<i>The id of a contact to be associated with the watch object. The number and types of required contacts are registry specific.</i>
<i>contact.<1-∞>.type</i>		<i>'admin' 'billing' 'registrant' 'tech' 'zone'</i>	<i>The type of the corresponding contact. The number and type of required contacts are registry specific.</i>
<i>addon.*</i>		<i>Character string</i>	<i>Associated information for value adding services supplied CCLLC.</i>
<i>account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to this command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: watchquire
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CLLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
watch.id: GNRB-W-39-1322

Response:

response.type: watchquire
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
sponsor.client.id: clnt23-ID
sponsor.CLLLCmber.id: CCLLC-123
creator.client.id: clnt23-ID
creator.CLLLCmber.id: CCLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID
updater.CLLLCmber.id: CCLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
watch.id: GNRB-W-39-1322
watch.status: ok
watch.authinfo: mySecret
watch.maintainer: http://www.myreseller.com
watch.targets: domain email
watch.pattern.type: literal
watch.pattern.match: mycompany
watch.report.period.unit: w
watch.report.period.value: 1
watch.report.address: john.doe@yahoo.com

exation.date: 2003-05-17T22:00:00.0Z
contact.l.id: contact1-ID
contact.l.type: registrant
addon.: foobar*
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire protection

Description:

Inquire information about a protection object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'protectionquire'</i>	<i>Identifies the command type for protection object inquiry. Backward compatibility: k request-i</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction</i>

				<i>id.</i> <i>Backward compatibility:</i> <i>Key transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>protection.id</i>	<i>Required</i>		<i>Character string</i>	<i>The registry-assigned id of the protection object to inquire.</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	<i>'protectionquire'</i>	<i>Specifies the response type for the protection object inquiry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>sponsor.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's sponsor.</i>
<i>sponsor.CCLLCmber.id</i>	<i>Character string</i>	<i>Id of the sponsoring CCLLC member (if the inquired object is sponsored by a CCLLC member).</i>
<i>creator.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's creator.</i>
<i>creator.CCLLCmber.id</i>	<i>Character string</i>	<i>Id of the CCLLC member that created the inquired object (if the inquired object was created by a CCLLC member).</i>
<i>creation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of object creation according to the registry.</i>

<i>updater.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's last updater. Not present if the inquired object has never been modified.</i>
<i>updater.CCLLCmber.id</i>	<i>Character string</i>	<i>Id of the CCLLC member that last updated the inquired object (if the last object update was done by CCLLC member).</i>
<i>update.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>
<i>transfer.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of the last transfer of the inquired object. Not present if the inquired object has never been transferred.</i>
<i>protection.id</i>	<i>Character string</i>	<i>The registry assigned id of the inquired protection object.</i>
<i>protection.status</i>	<i>Character string</i>	<i>A comma-separated list of status values for the protection object. Refer to the status value specification below for a list of valid status values.</i>
<i>protection.authinfo</i>	<i>Character string</i>	<i>The authorization information associated with the protection object (pass phrase/password); this information is only returned if the querying CCLLC member is sponsoring the inquired protection object.</i>
<i>protection.maintainer</i>	<i>Character string (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the protection address is not directly maintained by the CCLLC member).</i>
<i>protection.targets</i>	<i>Character string</i>	<i>Comma separated list of objects being watched. See create/modify request for possible targets.</i>
<i>protection.pattern.type</i>		<i>Defines the meaning of the match string.</i>

	<i>'literal'</i>	
<i>protection.pattern.match</i>	<i>Character string</i>	<i>Defines the pattern that is used for the match test.</i>
<i>.trademark.number</i>	<i>Character string max. 100 characters</i>	<i>The ID of the trademark that backs this protection request.</i>
<i>.trademark.countrycode</i>	<i>Character string max. 2 characters</i>	<i>The ISO 3166 code for the country where the trademark has been registered.</i>
<i>.trademark.date</i>	<i>Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'</i>	<i>Issue date of the trademark.</i>
<i>.trademark.name</i>	<i>Character string</i>	<i>The name of the trademark that backs this protection request.</i>
<i>.trademark.date</i>	<i>Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'</i>	<i>Issue date of the trademark.</i>
<i>.trademark.countrycode</i>	<i>Character string max. 2 characters</i>	<i>The ISO 3166 code for the country where the trademark has been registered.</i>
<i>.trademark.number</i>	<i>Character string max. 100 characters</i>	<i>The ID of the trademark that backs this protection request.</i>
<i>exation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The exe date of the object according to the registry.</i>
<i>contact.<1-∞>.id</i>	<i>Character string</i>	<i>The id of a contact to be associated with the protection object. The number and types of required contacts are registry specific.</i>
<i>contact.<1-∞>.type</i>	<i>'admin' 'billing' 'registrant' 'tech' 'zone'</i>	<i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i>
<i>addon.*</i>	<i>Character string</i>	<i>Associated information for value adding services supplied by CCLLC.</i>
<i>account.name</i>		<i>The name of the CCLLC member's account charged</i>

		<i>'main'</i>	<i>with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (or command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N The keys are not supplied for errors found the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

*request.type: protectionquire
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
protection.id: PROT-39-1322*

Response:

*response.type: protectionquire
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
sponsor.client.id: clnt23-ID
sponsor.CLLCmber.id: CLLC-123
creator.client.id: clnt23-ID
creator.CLLCmber.id: CLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID
updater.CLLCmber.id: CLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
protection.id: PROT-39-476
protection.status: ok
protection.authinfo: mySecret
protection.maintainer: http://www.myreseller.com
protection.targets: domain email
protection.pattern.type: literal
protection.pattern.match: mycompany
.trademark.number: TRADEMARK-ID-12345-UK
.trademark.countrycode: GB
.trademark.date: 1994-01-05
.trademark.name: myTrademark
.trademark.date: 1994-01-05
.trademark.countrycode: GB
.trademark.number: TRADEMARK-ID-12345-UK
exation.date: 2003-05-17T22:00:00.0Z
contact.l.id: contact1-ID
contact.l.type: registrant
addon.*: foobar
account.name: main
accountange: 0
account.newbalance: 10230*

COMMAND TYPE: inquire application

Description:

Get information about a specific application

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'applicationquire'	Identifies the command type for the application inquiry.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id.

				<i>Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry. ...</i>
<i>application.id</i>	<i>Required</i>		<i>Character string</i>	<i>The ID of the application to inquire.</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	<i>'applicationquire'</i>	<i>Specifies the response type for application inquiries</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>sponsor.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's sponsor.</i>
<i>sponsor.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the sponsoring CLLC member (if the inquired object is sponsored by a CLLC member).</i>
<i>creator.client.id</i>	<i>Character string</i>	<i>The client id of the inquired object's creator.</i>
<i>creator.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the CLLC member that created the inquired object (if the inquired object was created by a CLLC member).</i>
<i>creation.date</i>	<i>Date and time formatted</i>	<i>The date of object creation according to the registry.</i>

		<i>according to one variant of the extended date-time form defined ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of a second.</i>	
<i>updater.client.id</i>		<i>Character string</i>	<i>The client id of the inquired object's last updater. Not present if the inquired object has never been modified.</i>
<i>updater.CLLCmber.id</i>		<i>Character string</i>	<i>Id of the CLLC member that last updated the inquired object (if the last object update was done by a CLLC member).</i>
<i>update.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of a second.</i>	<i>The date of the last object update according to the registry. Not present if the inquired object has never been modified.</i>
<i>transfer.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of a second.</i>	<i>The date of the last transfer of the inquired object. Not present if the inquired object has never been transferred.</i>
<i>application.id</i>		<i>Character string</i>	<i>The registry-assigned ID of the inquired application</i>
<i>application.status</i>		<i>Character string</i>	<i>A comma-separated list of status values for the application. Refer to the status value specification below for a list of valid status values.</i>

<i>application.authinfo</i>	<i>Character string</i>	<i>The authorization information associated with the application (pass phrase/password); this information is only returned if the querying CCLLC member is sponsoring the inquired application.</i>
<i>application.maintainer</i>	<i>Character string (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the domain is not directly maintained by the CCLLC member).</i>
<i>domain.name</i>	<i>Character string</i>	<i>The name of the inquired domain.</i> <i>If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.</i> <i>If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding. If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.</i>
<i>domain.name.i15d</i>	<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the domain name.</i> <i>∴</i>
<i>domain.variant.<1-∞>.name</i>	<i>Character string min. 1 max. 67 characters (full Unicode charset)</i>	<i>This field specifies an additional domain name variant that is registered along with the base name. This field uses Punycode encoded form.</i>
<i>domain.variant.<1-∞>.name.i15d</i>	<i>Character string min. 1 max. 67 characters (full Unicode charset)</i>	<i>This field contains the presentation form the corresponding domain.variant.#.name field.</i>
<i>domain.name.language</i>	<i>Language tag according to RFC 3066</i>	<i>This field defines the language context of the domain name.</i> <i>:</i>
<i>contact.<1-∞>.id</i>	<i>Character string</i>	<i>The id of a contact to be associated with the domain. The number and types of required contacts are registry specific.</i>
<i>contact.<1-∞>.type</i>	<i>'admin' 'billing' 'registrar' 'tech' 'zone' 'onsite' 'ced' 'opn' 'agent'</i>	<i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i>
<i>ns.<1-∞>.name</i>	<i>Character string</i>	<i>The fully qualified name of a name server associated</i>

			<p>with the domain. The number of name servers is registry specific.</p> <p>If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.</p>
<i>ns.<1-∞>.name.i15d</i>	Character string (full Unicode charset)		This field contains the presentation form of the name server name.
<i>ns.<1-∞>.id</i>	Character string		The registry-assigned id of the corresponding name server.
<i>ens.sponsor.<1-3></i>	Character string representing a valid e-mail address		Specifies one sponsor contact e-mail address for the domain. If sponsor-based authorization is used a domain must have either exactly one or exactly three sponsor contact e-mail addresses.
<i>ens.auth.id</i>	Character string		The ID of the ENS_Auth record that has been used for the registration of this domain.
<i>registration.type</i>	Character string		The type of registration.
<i>ens.refurl</i>	Character string min. 1 max. 255 characters		: This field contains the web site reference as an evidence for the eligibility specified as a URL.
<i>enstended.use</i>	Character string min. 1 max. 100 characters (full Unicode charset)		The field describes the intended use of the domain as required by the registration policy.
<i>ens.sunrise</i>	Character string min. 1 max. 20 characters		The field describes the sunrise phase at which the application participates.
<i>ens.application.state</i>	'pending' 'accepted' 'rejected' 'review' 'dispute'		'1' '2' '3' This field describes the status of the application.
<i>account.name</i>	'main'		The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).

<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected at the gateway frontend.</i>

Request:

request.type: applicationquire

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

application.id: REG-A3848

Response:

response.type: applicationquire

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432
registry.transaction.id: tr493324
sponsor.client.id: clnt23-ID
sponsor.CLLCmber.id: CCLLC-123
creator.client.id: clnt23-ID
creator.CLLCmber.id: CCLLC-32
creation.date: 2001-05-17T22:00:00.0Z
updater.client.id: clnt23-ID
updater.CLLCmber.id: CCLLC-32
update.date: 2001-05-17T22:00:00.0Z
transfer.date: 2001-03-17T21:23:00.0Z
application.id: domain1-ID
application.status: ok
application.authinfo: mySecret
application.maintainer: http://www.myreseller.com
domain.name: acme
domain.name.i15d: domain.com
domain.variant.1.name: xn--barc-3na
domain.variant.1.name.i15d: barcà
domain.name.language: en-US
contact.1.id: contact1-ID
contact.1.type: registrant
ns.1.name: ns1.domain
ns.1.name.i15d: ns1.domain
ns.1.id: host1-ID
ens.sponsor.1: mysponsor@mydomain.com
ens.auth.id: 12345678-airline
registration.type: airline-iata
ens.refurl: http://www.example.com
ens.tended.use: Domain will host a web site dedicated to Catalan architecture
ens.sunrise: 1
ens.application.state: pending
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire member

Description:

Get information about a specific CCLLC member. Note that CCLLC members may only inquire their own account information.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'CCLLCmberquire'	<i>Identifies the command type for member inquiry. Backward compatibility: Key request-type Value inquire regis.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id.</i>

effectivember.id: CCLLC-321
transaction.id: mytrans-35432
Response:
response.type: CCLLCmberquire
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
account.1.name: main
account.1.balance: 10230
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: modify contact

Description:

Modify a contact object.

:

Only contacts created for Land Rush 2 may be modified imported contacts from the registry are locked.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'contact.modify'</i>	<p><i>Identifies the command type for contact modification.</i></p> <p><i>N</i></p> <p><i>The modification causes all changeable contact data to be replaced so previous contact fields that do not need to be changed must be supplied again. This means that it is not sufficient to specify only fields that need changes.</i></p> <p><i>Backward compatibility:</i></p> <p><i>Key request-type</i></p> <p><i>Value modify con</i></p>
<i>payload.version</i>	Required	<i>'2.0'</i>	<p><i>Version of the payload format used in the request.</i></p> <p><i>Backward compatibility:</i></p> <p><i>Key payload-version</i></p> <p><i>Value 1.0 (may be used to activate compatibility mode)</i></p>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>

		<i>specified)</i>		
<i>CCLLCmber.id</i>		Required	Character string	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivember.id</i>		<i>Optional</i>	Character string	<i>Id of the CCLLC member behalf of which this request is processed on. This field for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>		Required	Character string	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transactio.</i>
<i>registry.id</i>		<i>Optional</i>	<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>contact.id</i>		Required	Character string	<i>The id of the contact to modify. Backward compatibility: k har</i>
<i>contact.name</i>		Required	Character string min. 1 max. 128 characters	<i>Name of the individual or the role represented by the contact. Character string min. 1 max. 255 charactersCharacter string min. 1 max. 255 characters</i>
<i>contact.title</i>		<i>Optional</i>	Character string min. 1 max. 128 characters	<i>Title of the individual.</i>
<i>contactanization</i>		<i>Optional</i>	Character string min. 1 max. 128 characters	<i>Name of the organization with which the contact is affiliated. Character string min. 1 max. 64 characters Character string min. 1 max. 255 characters</i>
<i>contact.address.street.<1-3></i>		Firstindexrequired	Character string min. 1 max. 64 characters	<i>The contact's first second and third street address. Character string min. 1 max. 255 characters</i>
<i>contact.address.city</i>		Required	Character string min. 1 max. 64 characters	<i>The contact's city.</i>

			Character string min. 1 max. 30 characters Character string min. 1 max. 255 characters
<i>contact.address.state</i>	<i>Optional</i>	Character string min. 1 max. 64 characters	The contact's state or province. Character string min. 1 max. 30 characters Character string min. 1 max. 255 characters
<i>contact.address.postalcode</i>	Required	Character string min. 1 max. 16 characters	The contact's postal code. Character string min. 1 max. 10 characters Character string min. 1 max. 16 characters
<i>contact.address.countrycode</i>	Required	ISO-3166 country code min. 2 max. 2 characters	The contact's country code (two-character ISO 3166 country code).

The following block of internationalized (i15d) fields is entirely optional. If at least one field is specified all constraints in the 'Occurrence' column apply.

<i>contact.i15d.name</i>	Required	Character string min. 1 max. 1 characters	Name of the individual or the role represented by the contact. [internationalized version] Character string min. 1 max. 255 characters Character string min. 1 max. 255 characters Special additional i15d restrictions: Character string min. 1 max. 255 characters Character string min. 1 max. 30 characters The value is stored in the Gateway but not submitted to the registry due to lack of support. There is only limited support for this field. Character string min. 1 max. 128
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				<p>characters</p> <p>Title of the individual. [internationalized version]</p> <p>Special additional i15d restrictions: The is only limited support for this field. Character string min. 1 max. 128 characters</p>
<i>contact.i15d.title</i>	<i>Optional</i>		<p>Character string min. 1 max. 128 characters</p>	
<i>contact.i15danization</i>	<i>Optional</i>		<p>Character string min. 1 max. 128 characters</p>	<p>Name of the organization with which the contact is affiliated. [internationalized version]</p> <p>Character string min. 1 max. 64 characters Character string min. 1 max. 255 characters</p> <p>Special additional i15d restrictions: Character string min. 1 max. 255 characters</p> <p>The value is stored in the Gateway but not submitted to the registry due to lack of support. Character string min. 1 max. 64 characters:</p> <p>There is only limited support for this field. Character string min. 1 max. 128 characters</p>
<i>contact.i15d.address.street.<1-3></i>	<i>Firstindexrequired</i>		<p>Character string min. 1 max. 64 characters</p>	<p>The contact's first second and third street address. [internationalized version]</p> <p>Character string min. 1 max. 255 characters</p> <p>Special additional i15d restrictions: Character string min. 1 max. 255 characters</p> <p>The value is stored in the Gateway but not submitted to the registry due to lack of support.</p>

				<p><i>support.</i></p> <p><i>There is only limited support for this file</i></p> <p><i>Character string min. 1 max. 64</i></p> <p><i>characters</i></p>
<i>contact.i15d.address.city</i>	Required		<p><i>Character string min. 1 max. 64</i></p> <p><i>characters</i></p>	<p><i>The contact's city.</i></p> <p><i>[internationalized version]</i></p> <p><i>Character string min. 1 max. 30</i></p> <p><i>characters</i><i>Character string min. 1 max.</i></p> <p><i>255 characters</i></p> <p><i>Special additional i15d restrictions:</i></p> <p><i>Character string min. 1 max. 255</i></p> <p><i>characters</i></p> <p><i>The value is stored in the Gateway but not</i></p> <p><i>submitted to the registry due to lack of</i></p> <p><i>support.</i></p> <p><i>Character string min. 1 max. 30</i></p> <p><i>characters:</i></p> <p><i>There is only limited support for this file</i></p> <p><i>Character string min. 1 max. 64</i></p> <p><i>characters</i></p>
<i>contact.i15d.address.state</i>	Optional		<p><i>Character string min. 1 max. 64</i></p> <p><i>characters</i></p>	<p><i>The contact's state or province.</i></p> <p><i>[internationalized version]</i></p> <p><i>Character string min. 1 max. 30</i></p> <p><i>characters</i><i>Character string min. 1 max.</i></p> <p><i>255 characters</i></p> <p><i>Special additional i15d restrictions:</i></p> <p><i>Character string min. 1 max. 255</i></p> <p><i>characters</i></p> <p><i>The value is stored in the Gateway but not</i></p> <p><i>submitted to the registry due to lack of</i></p> <p><i>support.</i></p> <p><i>Character string min. 1 max. 30</i></p> <p><i>characters:</i></p> <p><i>There is only limited support for this file</i></p> <p><i>Character string min. 1 max. 64</i></p>

				<p>characters</p> <p>The contact's postal code. [internationalized version]</p> <p>Character string min. 1 max. 10 characters Character string min. 1 max. 16 characters</p> <p>Special additional i15d restrictions: Character string min. 1 max. 16 characters</p> <p>The value is stored in the Gateway but not submitted to the registry due to lack of support.</p> <p>Character string min. 1 max. 10 characters:</p> <p>There is only limited support for this field Character string min. 1 max. 16 characters</p>
<i>contact.i15d.address.postalcode</i>	Required	Character string min. 1 max. 16 characters		
<i>contact.i15d.address.countrycode</i>	Required	ISO-3166 country code min. 2 max. 2 characters		<p>The contact's country code (two-character ISO 3166 country code). [internationalized version]</p> <p>Special additional i15d restrictions: The value is stored in the Gateway but not submitted to the registry due to lack of support.</p>
<i>contact.voice.number</i>	Required	Character string that must begin with a plus '+' sign followed by country code followed by a dot followed by a sequence of digits representing the telephone number min. 1 max. 17 characters		<p>The contact's voice telephone number</p> <p>For EPP based registries another restriction applies: the phone number must match the regular expression '\+[9]{13}\.[0-9]{112}' i.e. the phone number part after the dot must not exceed 12 digits.</p> <p>Backward compatibility: k ph</p>
<i>contact.voice.extension</i>	Optional	Character string min. 1 max. 16 characters pattern (regular		<p>The contact's voice telephone number extension. The value is stored in the</p>

			<i>expression): '^d+\$'</i>	<i>Gateway but not submitted to the registry due to lack of support.</i>
<i>contact.fax</i>	<i>Optional</i>		<i>Character string that must begin with a plus '+' sign followed by country code followed by a digit followed by a sequence of digits representing the telephone number min. 1 max. 17 characters</i>	<i>The contact's facsimile telephone number. Backward compatibility: k contact.fax.num k fax</i>
<i>contact.fax.extension</i>	<i>Optional</i>		<i>Character string min. 1 max. 17 characters pattern (regular expression): '^d+\$'</i>	<i>The contact's fax number extension.</i>
<i>contact.email</i>	<i>Required</i>		<i>Character string representing valid e-mail address min. 1 max. 132 characters</i>	<i>The contact's e-mail address. Character string min. 1 max. 80 characters Backward compatibility: k er.</i>
<i>contact.language</i>	<i>Optional</i>		<i>Language tag according to RFC 3066</i>	<i>The contact's preferred natural language. The value is stored in the Gateway but not submitted to the registry due to lack of support.</i>
<i>contact.authinfo</i>	<i>Required</i>		<i>Character string min. 4 max. 80 characters</i>	<i>The authorization information specified by the registrant (pass phrase/password) Character string min. 6 max. 16 characters :Character string min. 4 max. 16 characters Character string min. 6 max. 60 characters</i>
<i>contact.maintainer</i>	<i>Optional</i>		<i>Character string min. 1 max. 100 characters (full Unicode characters)</i>	<i>Id or URL of the CCLLC member's reseller (if the contact is not directly maintained by the CCLLC member).</i>
<i>contact.datapolicy</i>	<i>Optional</i>		<i>'restrictive' 'permissive' (defaultvalue: restrictive)</i>	<i>Specifies whether the contact's data may be used for marketing purposes. restrictive disallows the use permissive allows it.</i>
<i>.nexus.purpose</i>	<i>Optional</i>		<i>'P1' 'P2' 'P3' 'P4' 'P5'</i>	<i>Nexus application purpose. The codes</i>

			<p>have the following meaning (without engagement see website for authoritative definition):</p> <ul style="list-style-type: none"> • P1: Business use for profit. • P2: Non-profit business club association religious organization etc. <ul style="list-style-type: none"> • P3: Personal Use. • P4: Education Purpose. • P5: Government Purposes. <p>occurrence: This field is optional in general but is required for contacts to be used as registrants in domain registrations.</p>
<i>.nexusegory</i>	<i>Optional</i>	<i>'C11' 'C12' 'C21' 'C31' 'C32'</i>	<p>The Nexus category. The codes have the following meaning (without engagement see website for authoritative definition):</p> <ul style="list-style-type: none"> • C11: United States citizen. • C12: Permanent resident. • C21: U.S. based company... <ul style="list-style-type: none"> • C31: A foreign entity or organization that has a bona fide presence... • C32: Entity has an office or other facility in the United States. <p>occurrence: This field is optional in general but is required for contacts to be used as registrants in domain registrations.</p>
<i>.nexus.validator</i>	<i>Optional</i>	<i>Character string</i>	<p>This field contains additional information for the Nexus category. This field must be left blank for the categories C11 C12 and C21. For the categories C31 and C32 the</p>

				<p>field must contain an uppercase two letter ISO-3166 code.</p> <p>occurrence: This field is optional in general but is required for contacts to be used as registrants in domain registrations.</p>
<i>.sponsor.email</i>	<i>Optional</i>	<i>Character string representing valid e-mail address min. 1 max. 132 characters</i>		<i>The e-mail address that is used if the contact is used as a domain sponsor.</i>
<i>.ced.entity.location.countrycode</i>	<i>Optional</i>	<i>ISO-3166 country code min. 1 max. 2 characters</i>		<i>The country code (two-character ISO 3166 country code) of the location or domicile of the legal Entity. Required if contact should be used as CED contact.</i>
<i>.ced.entity.location.state</i>	<i>Optional</i>	<i>Character string</i>		<i>The state or province of the location or domicile of the legal Entity. Optional if contact should be used as CED contact.</i>
<i>.ced.entity.location.city</i>	<i>Optional</i>	<i>Character string</i>		<i>The city of the location or domicile of the legal Entity. Optional if contact should be used as CED contact.</i>
<i>.ced.entity.type</i>	<i>Optional</i>	<i>'naturalPerson' 'corporation' 'cooperative' 'partnership' 'government' 'politicalParty' 'society' 'institution' 'other'</i>		<p><i>The type of the legal Entity. Required if contact should be used as CED contact.</i></p> <p><i>Possible types are:</i></p> <ul style="list-style-type: none"> <i>• naturalPerson</i> <i>• corporation</i> <i>• cooperative</i> <i>• partnership</i> <i>• government</i> <i>• politicalParty</i> <ul style="list-style-type: none"> <i>• society</i> <i>• institution</i> <i>• other</i> <p><i>If 'other' is used the type has to be entered in field '.ced.entity.type.other'.</i></p>
<i>.ced.entity.type.other</i>	<i>Optional</i>	<i>Character string</i>		<i>Other type of the legal Entity.</i>

				Required if 'other' is declared in field '.ced.entity.type'.
.ced.identification.form	Optional	'passport' 'certificate' 'legislativeSocietyRegistry' 'politicalPartyRegistry' 'other'		<p>The type of identification. Required if contact should be used as CED contact</p> <p>Possible types are:</p> <ul style="list-style-type: none"> • passport • certificate • legislation • societyRegistry • politicalPartyRegistry • other <p>If 'other' is used the type has to be entered in field '.ced.identification.form.other'</p>
.ced.identification.form.other	Optional		Character string	Other type of identification. Required if 'other' is declared in field '.ced.identification.form'.
.ced.identification.number	Optional		Character string	Identification number. Required if contact should be used as CED contact.
addon.*	Optional		Character string	Any field that matches the given prefix used for the value adding services supplied by CCLLC. The description of the specific fields available is out of scope of this document.
contact.vat	Optional		Character string	Specifies the VAT of the contact.

Response format:

Key	Value type/content	Description
response.type	'contact.modify'	Specifies the response type for contact modification.
payload.version	'2.0'	Version of the payload format used in the response.
result.code	Integer value	The overall numeric result code of the command.
result.msg	Character string	The overall result of the command in human-readable form.
transaction.id	Character string	The transaction id specified in the request.
registry.transaction.id	Character string	The transaction id assigned by the registry.

<i>account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: contact.modify

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

contact.id: contact1-ID

contact.name: John Doe

contact.title: Dr.

contactanization: ACME Solutions

contact.address.street.1: 100 Centre St

contact.address.city: Townsville

contact.address.state: County Derry

contact.address.postalcode: Z1Z 1Z1

contact.address.countrycode: CA

contact.voice.number: +1.4165559999

contact.voice.extension: 1232

contact.fax: +1.4165558888
contact.fax.extension: 1232
contact.email: jdoe@acmesolutions
contact.language: en-US
contact.authinfo: mySecret
contact.maintainer: http://www.myreseller.com
contact.datapolicy: permissive
.nexus.purpose: P1
.nexusegory: C11
.nexus.validator: FR
.sponsor.email: jdoe@acmesolutions
.ced.entity.location.countrycode: CN
.ced.entity.location.state: ontario
.ced.entity.location.city: toronto
.ced.entity.type: corporation
.ced.entity.type.other: corporation
.ced.identification.form: passport
.ced.identification.form.other: passport
.ced.identification.number: 12345678
addon.: foobar*
contact.vat: 106/3306/4396
Response:
response.type: contact.modify
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

Command Type: modify host

Description:
Modify a host object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'host.modify'	Identifies the command type for host modification N _i The modification causes all changeable host data to be replaced so previous host fields that do not need to be changed may be supplied again. This means that it is not sufficient to specify only fields that need changes. Backward compatibility: Key request-i Value modify h
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for this transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member.

				Backward compatibility: k registra
effectivember.id	Optional	Character string		Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
transaction.id	Required	Character string		The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transactio
registry.id	Optional	DotShop		Id of the involved registry.
host.name	Required (only if alternative field 'host.id' is not specified)	Character string min. 1 max. 132 characters (full Unicode charset)		The fully qualified name of the host to modify. This field may contain an internationalized domain name (IDN) which must either be specified in its presentation form or in its Punycode encoded form. Character string min. 1 max. 80 characters This field may contain an internationalized domain name (IDN) which must either be specified in its presentation form or in its Punycode encoded form.
host.name.i15d	Optional	Character string min. 1 max. 132 characters (full Unicode charset)		This field contains the presentation form of the corresponding host.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected. :Character string min. 1 max. 80 characters
host.id	Required (only if alternative field 'host.name' is not specified)	Character string		The registry-assigned id of the host to modify.
host.newname	Optional	Character string min. 1 max. 132 characters (full Unicode charset)		The new fully qualified name of the host.

<i>host.newname.i15d</i>	<i>Optional</i>	<i>Character string min. 1 max. 132 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding host.newname field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>host.addr.<1-∞>.value</i>	<i>.</i>	<i>Character string</i>	<i>An IP address of the host.</i> <i>Registry supports a maximum of 13 IP addresses per name server. First required. Supports a maximum of 13 IP addresses</i> <i>Only one address may be specified at most. Hosts that are in the .US TLD must have an IP address where others may have one.</i> <i>Backward compatibility:</i> <i>k ns-ip-add.</i>
<i>host.addr.<1-∞>.type</i>	<i>Optional</i>	<i>'ipv4' 'ipv6' (defaultvalue: ipv4)</i>	<i>The type of the corresponding IP address (IPV4 or IPV6). Note that some registries may not allow the use of IPV6 addresses.</i>
<i>host.authinfo</i>	<i>Optional</i>	<i>Character string min. 4 max. 89 characters</i>	<i>The authorization information (pass phrase/password) to be associated with the host.</i> <i>NOTE: EPP currently doesn't associate authorization information with host objects; this optional field is provided for future use.</i> <i>:Character string min. 6 max. 16 characters</i> <i>Character string min. 4 max. 16 characters</i> <i>Character string min. 6 max. 60 characters</i>
<i>host.maintainer</i>	<i>Optional</i>	<i>Character string min. 1 max. 128 characters (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the host is not directly maintained by the CCLLC member).</i>

			Unicode charset)	
<i>addon.*</i>	<i>Optional</i>		<i>Character string</i>	<i>Any field that matches the given prefix is used for the value adding services supplied by CCLLC. The description of the specific fields available is out of scope of this document.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'host.modify'</i>	<i>Specifies the response type for host modification.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N/A The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are</i>

			<i>supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>	
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Request:

request.type: host.modify

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

host.name: ns1.domain

host.name.i15d: ns1.domain

host.id: host1-ID

host.newname: ns3.domain

host.newname.i15d: ns1.domain

host.addr.1.value: 100.103.44.15

host.addr.1.type: ipv4

host.authinfo: mySecret

host.maintainer: http://www.myreseller.com

addon.: foobar*

Response:

response.type: host.modify

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

account.name: main

accountange: 0

account.newbalance: 10230

COMMAND TYPE: modify domain

Description:

Modify a domain object.

If the member chooses to use the convenience mode the Gateway makes various heuristic attempts to fix data that seems incorrect. For details see the domain.create request.

The registrant contact may not be changed within the first five days after the registration or the transfer of a domain.

:Request format:

	Key	Occurrence	Value type/content	Description
	<i>request.type</i>	Required	'domain.modify'	<p><i>Identifies the command type for domain modification.</i></p> <p><i>No</i> <i>The modification causes all changed domain data to be replaced so previous domain fields that not need to be changed must be supplied again. This means that it is not sufficient to specify only fields that need changes.</i></p> <p><i>Backward compatibility:</i></p> <p><i>Key: request-type</i></p> <p><i>Value: modify domain</i></p>
	<i>payload.version</i>	Required	'2.0'	<p><i>Version of the payload format used in the request.</i></p> <p><i>Backward compatibility:</i></p> <p><i>Key: payload-version</i></p> <p><i>Value: 1.0 (may be used to activate compatibility mode)</i></p>
	<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>

		<i>alternative field 'transaction.atp' is specified)</i>		
<i>transaction.atp</i>		<i>Required only if commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>		Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivember.id</i>		<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>		Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction</i>
<i>registry.id</i>		<i>Optional</i>	<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>update</i>		<i>Optional</i>	<i>'nameservers' 'contacts' 'authinfo' 'maintainer' 'addons' 'idn' 'e' 'dnssec' 'telhosting' multiple values</i>	<i>Identifies the optional groups that are included in the request. If the field is not given all groups need to be included. If a group is omitted the respective data is left unchanged by the modify command. For example if it does not contain the contacts</i>

			may be specified as a comma- or space-separated list values must be unique	group the current set of contacts remain.
<i>domain.name</i>		Required (only alternative field 'domain.id' is not specified)	Character string min. 1 max. 131 characters (full Unicode character set)	The name of the domain to modify.
<i>domain.name.i15d</i>		Optional	Character string min. 1 max. 131 characters (full Unicode character set)	.
<i>domain.id</i>		Required (only alternative field 'domain.name' not specified)	Character string	The registry-assigned id of the domain to modify. If both domain.name and domain.id are given in the request domain.id takes precedence.
<i>domain.variant.<1-∞>.name</i>		Optional in optional group idn	Character string min. 1 max. 67 characters (full Unicode character set)	This field specifies an additional domain name variant that shall be registered along with the base name. This field may contain either the presentation form or its Punycode encoded form.
<i>domain.variant.<1-∞>.name.i15d</i>		Optional in optional group idn	Character string min. 1 max. 67 characters (full Unicode character set)	This field contains the presentation form the corresponding domain.variant
<i>domain.authinfo</i>		Required in optional group authinfo	Character string min. 4 max. 89 characters	The authorization information specified by the registrant (pass phrase/password). :Character string min. 4 max. 16 characters Character string min. 8 max. 32 characters The authorization information

				<p><i>must contain at least one number one alphabet and one special character. Iso Control characters and whitespaces are not allowed.</i></p> <p><i>Character string min. 6 max. 60 characters</i></p>
<i>domain.maintainer</i>		<i>Optional in optional group maintainer</i>	<i>Character string min. 1 max. 128 characters (full Unicode character set)</i>	<i>Id or URL of the CCLLC member's reseller (if the domain is not directly maintained by the CCLLC member).</i>
<i>ns.<1-∞>.name</i>		<i>Optional in optional group nameservers</i>	<i>Character string min. 1 max. 132 characters (full Unicode character set)</i>	<p><i>The fully qualified name of a host (name server) to be associated with the domain. A host with this name must exist in the involved registry. The number of required name servers is registry specific.</i></p> <p><i>The registry requires zero or to 13 name servers.</i></p> <p><i>No name servers can be associated with a domain during the sunrise phase. This field is not supported; no name servers may be specified during Land Rush 2; they have to be added after a domain is awarded. However to keep existing request templates working the Gateway will silently ignore any given name servers.:</i></p> <p><i>Up to 13 name servers may be specified.</i></p>

				Between 2 and 13 name servers are required. T
<i>ns.<1-∞>.name.i15d</i>		Optional in optional group nameservers	Character string min. 1 max. 132 characters (full Unicode character set)	This field contains the presentation form of the corresponding ns.#.name
<i>ns.<1-∞>.id</i>		Optional in optional group nameservers	Character string	The id of a host to be associated with the domain (may be specified as an alternative to the host's name) The same registry specific restrictions apply as to the ns.#.name field
<i>ns.<1-∞>.address.<1-∞>.value</i>		Optional in optional group nameservers	Character string min. 3 max. 45 characters	The IP address of the host given in the specified format. The registry requires 0 to 9 IP addresses.
<i>ns.<1-∞>.address.<1-∞>.type</i>		Optional in optional group nameservers	'v4' 'v6'	This field specifies the address type of the given name server
<i>contact.<1-∞>.id</i>		Optional in optional group contacts	Character string min. 1 character	The id of a contact to be associated with the domain.
<i>contact.<1-∞>.type</i>		Optional in optional group contacts	'admin' 'billing' 'registrant' 'tech' 'zone' 'onsite' 'customer' 'opn'	The type of the corresponding contact. The number and type of required contacts are registry specific. There must be exactly one registrant admin tech and billing contact specified.
<i>.whois.type</i>		Optional in optional group contacts	'legal' 'natural'	Specifies whether the domain held by a corporation or individual. field is required

<i>.whois.publish</i>		<i>Optional in optional group contacts</i>	<i>Boolean value ('true' or 'false') (defaultvalue: true)</i>	<i>Specifies whether to publish social data to WHOIS for an individually owned domain. If this field is omitted the default value of true is used.</i>
<i>extended.use</i>		<i>Optional in optional groups</i>	<i>Character string min. 1 max. 100 characters (full Unicode character set)</i>	<i>The field describes the intended use of the domain as required by the registration policy.</i>
<i>.trademark.name</i>		<i>Optional in optional groups</i>	<i>Character string min. 1 max. 128 characters</i>	<i>String representing the trademark or service mark. Available during landrush period only.</i>
<i>.trademark.date</i>		<i>Optional in optional groups</i>	<i>Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'</i>	<i>The date the trademark/service mark was issued. Available during landrush period only.</i>
<i>.trademark.countrycode</i>		<i>Optional in optional groups</i>	<i>Character string min. 1 max. 128 characters</i>	<i>The name of the country where the trademark was registered as a string (no ISO 3166 code) here. Available during landrush period only.</i>
<i>.trademark.number</i>		<i>Optional in optional groups</i>	<i>Character string min. 1 max. 128 characters</i>	<i>The trademark/service mark number. Available during landrush period only.</i>
<i>.trademark.name</i>		<i>Optional in optional groups</i>	<i>Character string min. 1 max. 128 characters</i>	<i>String representing the trademark or service mark.</i>
<i>.trademark.countrycode</i>		<i>Optional in optional groups</i>	<i>Character string min. 2 max. 2 characters</i>	<i>The 2-letter ISO 3166 code of the country where the trademark was registered. In addition to ISO 3166 EU may be used for the European</i>

					Union.
	<i>.trademark.number</i>		<i>Optional in optional groups</i>	<i>Character string min. 1 max. 128 characters</i>	<i>The trademark's registration number.</i>
	<i>.trademark.appdate</i>		<i>Optional in optional groups</i>	<i>Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'</i>	<i>The date the trademark was applied for i.e. the date that the trademark office received or logged in the application. Many trademark offices call this the filing date. Note that all trademarks must be applied on or before July 11th 2005.</i>
	<i>.trademark.regdate</i>		<i>Optional in optional groups</i>	<i>Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'</i>	<i>The date the trademark was registered i.e. the date that the trademark office formally granted the trademark. Many trademark offices call this the registration date.</i>
	<i>.ipr.name</i>		<i>Optional in optional groups</i>	<i>Character string min. 0 max. 128 characters</i>	<i>Exact word or phrase described by the Registered Mark or forming the Registered Entity Name. Required in sunrise.</i>
	<i>.ipr.number</i>		<i>Optional in optional groups</i>	<i>Character string min. 0 max. 128 characters</i>	<i>Registration number of the Registered Mark or Entity. Required in sunrise.</i>
	<i>.ipr.appdate</i>		<i>Optional in optional groups</i>	<i>Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'</i>	<i>Date the Registered Mark or Entity was applied. Required in sunrise.</i>
	<i>.ipr.regdate</i>		<i>Optional in optional groups</i>	<i>Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'</i>	<i>Date the Registered Mark or Entity was registered. Required in sunrise.</i>

			<i>dd'</i>	
<i>.ipr.cclocality</i>		<i>Optional in optional groups</i>	<i>Character string min. 2 max. 2 characters</i>	<i>Location where the right is established or the Registered entity is registered. Required sunrise. ISO3166 2-character code.</i>
<i>.ipr.type</i>		<i>Optional in optional groups</i>	<i>'sunrise' 'landrush'</i>	
<i>.trademark.name</i>		<i>Optional in optional groups</i>	<i>Character string min. 0 max. 100 characters</i>	<i>Exact word or phrase described by the Registered Mark or forming the Registered Entity Name. Required in sunrise.</i> <i>:</i>
<i>.trademark.number</i>		<i>Optional in optional groups</i>	<i>Character string min. 0 max. 100 characters</i>	<i>Registration number of the Registered Mark or Entity. Required in sunrise.</i> <i>:</i>
<i>.trademark.countrycode</i>		<i>Optional in optional groups</i>	<i>Character string min. 2 max. 2 characters</i>	<i>Location where the right is established or the Registered entity is registered. Required sunrise. Valid countries are listed in WIPO Standard ST.3 which is aligned with the ISO3166 2-character code.</i> <i>:</i>
<i>.trademark.applicantcapacity</i>		<i>Optional in optional groups</i>	<i>'owner' 'licensee'</i>	<i>Capacity of the applicant (licensee/owner) regarding the trademark.</i> <i>:</i>
<i>.entrycount</i>		<i>Optional in</i>	<i>Integer value m</i>	<i>The number of entries for this</i>

		<i>optional groups</i>	1 (defaultvalue. 1)	<i>domain during 's domain name application service.</i> :
<i>.trademark.name</i>		<i>Optional in optional groups</i>	<i>Character string min. 3 max. 63 characters</i>	<i>The trademark itself as it appears in the USPTO database.</i>
<i>.trademark.class</i>		<i>Optional in optional groups</i>	'001' '002' '003' '004' '005' '006' '007' '008' '009' '010' '011' '012' '013' '014' '015' '016' '017' '018' '019' '020' '021' '022' '023' '024' '025' '026' '027' '028' '029' '030' '031' '032' '033' '034' '035' '036' '037' '038' '039' '040' '041' '042' '200' 'A' 'B'	<i>The trademark class as it appears in the USPTO database.</i> <i>occurrence: This field must occur if .trademark.name is specified too.</i>
<i>.trademark.type</i>		<i>Optional in optional groups</i>	'application' 'registration'	<i>This field defines whether the trademark has been registered or whether it has been applied for the trademark.</i> <i>occurrence: This field must occur if .trademark.name is specified too.</i>
<i>.trademark.app.filingdate</i>		<i>Optional in optional groups</i>	<i>Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'</i>	<i>The filing date of the application of the trademark (as it appears in the USPTO database).</i>

				<p>occurrence: This field must occur if .trademark.name is specified too.</p>
.trademark.app.serialnum		Optional in optional groups	Character string min. 8 max. 8 characters pattern (regular expression): '^ d+\$'	<p>The serial number that has been assigned for the application of the trademark (as it appears in the USPTO database).</p> <p>occurrence: This field must occur if .trademark.name is specified too.</p>
.trademark.reg.date		Optional in optional groups	Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'	<p>The registration date of the trademark as it appears in the USPTO database.</p> <p>occurrence: This field must occur if registration has been specified in the .trademark.type field.</p>
.trademark.reg.num		Optional in optional groups	Character string min. 7 max. 7 characters pattern (regular expression): '^ d+\$'	<p>The registration number of the trademark as it appears in the USPTO database.</p> <p>occurrence: This field must occur if registration has been specified in the .trademark.type field.</p>
.trademark.owner.name		Optional in optional groups	Character string max. 64 characters (full Unicode character set)	<p>The name of the trademark owner as it appears in the USPTO database.</p> <p>occurrence: This field must occur if .trademark.name is specified too.</p>
.trademark.owner.address.street.<1-3>		Optional in optional groups	Character string min. 1 max. 64 characters	<p>The owner's first second and third street address.</p>

			<i>ens</i>		<i>characters (full Unicode charse</i>		<i>occurrence: This field must occur if .trademark.name is specified too. At least one street must be specified.</i>
	<i>.trademark.owner.address.city</i>		<i>Optional in optional group ens</i>		<i>Character string min. 1 max. 64 characters (full Unicode charse</i>		<i>The owner's city. occurrence: This field must occur if .trademark.name is specified too.</i>
	<i>.trademark.owner.address.state</i>		<i>Optional in optional group ens</i>		<i>Character string max. 64 characters (full Unicode charse</i>		<i>The owner's state or province occurrence: This field may occur if .trademark.name is specified.</i>
	<i>.trademark.owner.address.postalcode</i>		<i>Optional in optional group ens</i>		<i>Character string min. 1 max. 10 characters (full Unicode charse</i>		<i>The owner's postal code. occurrence: This field must occur if .trademark.name is specified too.</i>
	<i>.trademark.owner.address.countrycode</i>		<i>Optional in optional group ens</i>		<i>ISO-3166 count code min. 2 max. 2 characters</i>		<i>The owner's country code (two character ISO 3166 country code). occurrence: This field must occur if .trademark.name is specified too.</i>
			<i>Optional in optional group ens</i>		<i>Character string min. 3 max. 6 characters (full Unicode charse</i>		<i>If the field is given the domain is queued for the given extended landrush (e.g).</i>
	<i>.th.user.name</i>		<i>Optional in optional group telhosting</i>		<i>Character string min. 6 max. 32 characters pattern (regular expression): '^[\x21-\x7E]+\$',</i>		<i>Specifies the name of the user who should be associated with the domain (case-insensitive) If this differs from the current value the domain and zone are deleted for the old user and</i>

				<p>new ones are created for the new user (with the default we link of the TelHosting system used). If this is omitted the domain and corresponding zone are deleted from the TelHosting system.</p> <p>:</p>
<i>.thstance</i>		Optional in optional group telhosting	Character string min. 1 max. 32 characters	<p>Specifies the TelHosting system to use.</p> <p>:occurrence: This field must occur if .th.user.name is specified too.</p>
<i>.th.ns.number</i>		Optional in optional group telhosting	'auto' '2' '3' '4' '6' '7' '8' '9' '10' '11' '12' '13'	<p>Specifies the number of name servers to be used. If less name servers are specified via ns.#, the TelHosting system determines the remaining ones. The special value auto can be used to take the default value for the relevant TelHosting system.</p> <p>:</p>
<i>dnssec.urgent</i>		Optional in optional group dnssec	Boolean value ('true' or 'false') (defaultvalue: false)	<p>This flag tells the registry that an urgent update of the name servers is desired. However the registry is not obliged to comply with the desire.</p>
<i>dnssec.ds.<1-∞>.ds.keytag</i>		Optional in optional group dnssec	Integer value min. 0 max. 65535	<p>The key tag assigned to the DS record. The field is required for a DS entry.</p>

<i>dnssec.ds.<1-∞>.ds.alg</i>	<i>Optional in optional group dnssec</i>	<i>Integer value m 0 max. 255</i>	<i>The algorithm of the related DNSKEY record. The field is required for a DS entry. does support RSA/MD5 (1) DH (2) DSA-SHA1 (3) ECC (4) RSA-SHA1 (5) and INDIRECT (252). Compare to dnssec.ds.#.key.alg. does only support DSA-SHA1 (3) DSA-SHA1-NSEC3 (6) RSA-SHA1 (5) and RSA-SHA1-NSEC3 (7). Compare to dnssec.ds.#.key.alg.</i>	
<i>dnssec.ds.<1-∞>.ds.digesttype</i>	<i>Optional in optional group dnssec</i>	<i>Integer value m 0 max. 255</i>	<i>The digest type used for the hash of the related DNSKEY record. The field is required for a DS entry. Only digest type 1 is supported</i>	
<i>dnssec.ds.<1-∞>.ds.digest.hex</i>	<i>Optional in optional group dnssec</i>	<i>Hexadecimal encoded binary data (see also Base16 encoding in RFC 4648)</i>	<i>The hexadecimal representation of the hash of the DNSKEY record. Must be specified unless the data is given in the Base64 notation.</i>	
<i>dnssec.ds.<1-∞>.ds.digest.base64</i>	<i>Optional in optional group dnssec</i>	<i>Base64 encoded binary data according to RFC 4648</i>	<i>The Base64 representation of the hash of the DNSKEY record. Must be given unless the data is given in hexadecimal notation.</i>	
<i>dnssec.ds.<1-∞>.ds.maxsiglife</i>	<i>Optional in</i>	<i>Integer value m</i>	<i>The maximum lifetime of the</i>	

		<i>optional group dnssec</i>	1	<p><i>signature of the DS record. This is only a recommendation the registry is not obliged to respect the value.</i></p> <p><i>This field is ignored by .</i></p>
<i>dnssec.ds.<1-∞>.key.flags</i>		<i>Optional in optional group dnssec</i>	<i>Integer value m 0 max. 65535</i>	<p><i>The flags value of the related DNSKEY record. Use 0 for authentication 256 for ZSK (zone signing key) and 257 for KSK (key signing key) only. Use 256 for ZSK (zone signir key) and 257 for KSK (key signing key).</i></p>
<i>dnssec.ds.<1-∞>.key.protocol</i>		<i>Optional in optional group dnssec</i>	<i>Integer value m 0 max. 255</i>	<p><i>The protocol value of the related DNSKEY record.</i></p> <p><i>A value of 3 represents dnsse</i></p>
<i>dnssec.ds.<1-∞>.key.alg</i>		<i>Optional in optional group dnssec</i>	<i>Integer value m 0 max. 255</i>	<p><i>The algorithm value of the related DNSKEY record. does support RSA/MD5 (1) DH (2) DSA-SHA1 (3) ECC (4) RSA-SHA1 (5) and INDIREC (252). Compare to dnssec.ds.#.key.alg. does only support DSA-SHA (3) DSA-SHA1-NSEC3 (6) RSA-SHA1 (5) and RSA-SHA NSEC3 (7). Compare to dnssec.ds.#.ds.alg</i></p>
<i>dnssec.ds.<1-∞>.key.pubkey.hex</i>		<i>Optional in optional group</i>	<i>Hexadecimal encoded binary</i>	<i>The hexadecimal representation of the public k</i>

		<i>dnssec</i>	<i>data (see also Base16 encoding in RFC 4648)</i>	<i>data. Must be specified unless the data is given in the Base64 notation.</i>
<i>dnssec.ds.<1-∞>.key.pubkey.base64</i>		<i>Optional in optional group dnssec</i>	<i>Base64 encoded binary data according to RFC 4648</i>	<i>The Base64 representation of the public key data. Must be given unless the data is given in hexadecimal notation.</i>
<i>addon.*</i>		<i>Optional in optional group addons</i>	<i>Character string</i>	<i>Any field that matches the given prefix is used for the value adding services supplied by CCLLC. The description of the specific fields available is out of scope of this document</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	<i>'domain.modify'</i>	<i>Specifies the response type for domain modification.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

<i>.verification.state</i>	<i>'verified' 'pendingVerification' 'ableToAppeal' 'underInvestigation' 'refused'</i>	<i>The domain registrant's current verification state.</i> <i>:</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result.</i> <i>Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: domain.modify
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
update: nameservers contacts
domain.name: acme
domain.name.i15d: domain.com
domain.id: domain1-ID
domain.variant.1.name: xn--barc-3na
domain.variant.1.name.i15d: barcà
domain.name.language: ca
domain.authinfo: mySecret
domain.maintainer: http://www.myreseller.com
ns.1.name: ns1.domain

ns.1.name.i15d: ns1.domain
ns.1.id: host1-ID
ns.1.address.1.value: 123.145.167.212
ns.1.address.1.type: v4
contact.1.id: contact1-ID
contact.1.type: admin
.whois.type: natural
.whois.publish: true
enstended.use: Domain will host a web site dedicated to Catalan architecture
.trademark.name: ACME solutions
.trademark.date: 2000-06-29
.trademark.countrycode: Canada
.trademark.number: 23985-3985-239899-22
.trademark.name: ACME solutions
.trademark.countrycode: CA
.trademark.number: 23985-3985-239899-22
.trademark.appdate: 2000-06-29
.trademark.regdate: 2006-06-29
.ipr.name: Bob Smith
.ipr.number: sun3
.ipr.appdate: 2004-02-16
.ipr.regdate: 2006-02-16
.ipr.cclocality: in
.ipr.type: 1
.trademark.name: Trademark
.trademark.number: 1000
.trademark.countrycode: US
.trademark.applicantcapacity: licensee
.entrycount: 5
.trademark.name: ACME solutions
.trademark.class: 007
.trademark.type: registration
.trademark.app.filingdate: 1980-01-05
.trademark.app.serialnum: 12345678
.trademark.reg.date: 1980-07-23
.trademark.reg.num: 7654321
.trademark.owner.name: ACME solutions Inc.

*.trademark.owner.address.street.1: 100 Centre St
.trademark.owner.address.city: Townsville
.trademark.owner.address.state: County Derry
.trademark.owner.address.postalcode: Z1Z 1Z1
.trademark.owner.address.countrycode: CA
: lr2
.th.user.name: johndoe
.thstance: myPartition
.th.ns.number: 5
dnssec.urgent: true
dnssec.ds.1.ds.keytag: 38583
dnssec.ds.1.ds.alg: 3
dnssec.ds.1.ds.digesttype: 1
dnssec.ds.1.ds.digest.hex: 666F6F626172
dnssec.ds.1.ds.digest.base64: Zm9vYmFy
dnssec.ds.1.ds.maxsiglife: 1
dnssec.ds.1.key.flags: 256
dnssec.ds.1.key.protocol: 3
dnssec.ds.1.key.alg: 3
dnssec.ds.1.key.pubkey.hex: 666F6F626172
dnssec.ds.1.key.pubkey.base64: Zm9vYmFy
addon.*: foobar
Response:
response.type: domain.modify
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230
.verification.state: verified*

Command Type: modify zone

Description:

Modify a zone object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'zone.modify'	Identifies the command type for zone modification. The modification causes all changeable zone data to be replaced so previous zone fields that do not need to be changed must be supplied again. This means that it is not sufficient to specify only fields that need changes. Backward compatibility: Key: request-i Value: modify z-i
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility:

				<i>k</i> <i>registra</i>
<i>effectivember.id</i>	<i>Optional</i>		<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	<i>Required</i>		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: <i>k</i> <i>transaction</i></i>
<i>zone.id</i>	<i>Required</i>		<i>Character string</i>	<i>The user-assigned id (handle) of the zone to modify. both domain.name and zone.id are given in the request zone.id takes precedence.</i>
<i>notification</i>	<i>Optional</i>		<i>'user-deployment' 'system-deployment' 'transfer-failure' 'general-error' multiple values may be specified as a comma or space-separated list values must be unique</i>	<i>The notification setting of the zone. See the description of the zone deployment notification message type for explanations of the allowed values.</i>
<i>update</i>	<i>Optional</i>		<i>'ns' 'content' multiple values may be specified as a comma or space-separated list values must be unique</i>	<i>Identifies the optional groups that are included in the request. If the field is not given all groups need to be included. If a group is omitted the respective data is left unchanged by the modify command. For example if it does not contain the ns group the current set of name servers remains.</i>
<i>ns.<1-∞>.name</i>	<i>Optional in optional group ns</i>		<i>Character string min max. 132 characters (full Unicode charset)</i>	<i>The fully qualified name of a host (name server) to be associated with the zone.</i>
<i>src.addr.value</i>	<i>Optional in optional group content</i>		<i>Character string</i>	<i>The IP address of the master name server given in the specified format. Note that either the source data (src fields) can be specified or the literal zone content (rr or rr fields) but not both.</i>
<i>src.addr.type</i>	<i>Optional in optional group content</i>		<i>'ipv4' 'ipv6'</i>	<i>This field specifies the address type of the given name server.</i>
<i>src.tsig.alg</i>	<i>Optional in optional group content</i>		<i>'hmac-md5' 'hmac-</i>	<i>The TSIG key's algorithm.</i>

			<i>sha1' 'hmac-sha256'</i> <i>(defaultvalue: hmac-md5)</i>	
<i>src.tsig.name</i>	<i>Optional in optional group content</i>		<i>Character string min max. 255 characters</i>	<i>The TSIG key's name.</i>
<i>src.tsig.secret</i>	<i>Optional in optional group content</i>		<i>Base64 encoded bind data according to RFC 4648</i>	<i>The Base64 representation of the TSIG key.</i>
<i>rr.<1-∞></i>	<i>Optional in optional group content</i>		<i>Character string min max. 255 characters</i>	<i>The string representation of a single DNS resource record according to RFC 1035. Note that either the source data (src.* fields) can be specified or the literal zone content (rr.* or rr fields) but not both. Furthermore rr.* and rr fields may not be mixed.</i>
<i>rr</i>	<i>Optional in optional group content</i>		<i>Character string</i>	<i>The string representation of all DNS resource records according to RFC 1035. Be careful with leading spaces since they will be interpreted. If you want to include the domain name do not start the record's line with a blank. Note that either the source data (src.* fields) can be specified or the literal zone content (rr.* or rr fields) but not both. Furthermore rr.* and rr fields may not be mixed.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'zone.modify'</i>	<i>Specifies the response type for zone modification.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the</i>

	<i>value</i>	<i>command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: zone.modify
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CLLCmber.id: CLLC-123
effectivember.id: CLLC-321
transaction.id: mytrans-35432
zone.id: myZoneId1234
notification: transfer-failure
update: ns content
ns.1.name: ns1.host
src.addr.value: 123.145.167.212
src.addr.type: v4
src.tsig.alg: hmac-md5
src.tsig.name: a.b.c.d
src.tsig.secret: eW91IHNoaW5rIGxpa2UgbW9ua2V5IGJ1dHQ=
rr.1: www IN A 195.253.2.12
rr: www IN A 195.253.2.12

Response:

response.type: zone.modify
payload.version: 2.0

result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: modify email*Description:**Modify an e-mail address object.**The registrant contact may not be changed within the first five days after the registration of an e-mail address..**Request format:*

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'email.modify'	Identifies the command type for e-mail address modification. Backward compatibility: K request-1
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: K registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.

<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional	DotShop	Id of the involved registry.
<i>email.address</i>	Required (only if alternative field 'email.id' is not specified)	Character string representing a valid mail address min. 1 max. 132 characters	The e-mail address to modify.
<i>email.id</i>	Required (only if alternative field 'email.address' is not specified)	Character string	The registry-assigned id of the e-mail address to modify.
<i>email.authinfo</i>	Required	Character string min 6 max. 16 characters	The authorization information specified by the registrant (pass phrase/password).It is currently unknown whether the live system of Global Name Registry will support authorization information on this object.
<i>email.maintainer</i>	Optional	Character string min 1 max. 128 characters (full Unicode character set)	Id or URL of the CCLLC member's reseller (if the object is not directly maintained by the CCLLC member).
<i>email.dest.address</i>	Required	Character string representing a valid mail address min. 1 max. 250 characters	E-mail address to be used as the destination for the e-mails received by the registry.
<i>contact.<1-∞>.id</i>	Optional	Character string min 1 characters	The id of a contact to be associated with the e-mail address. A contact with this name must exist in the involved registry. The number and types of required contacts are registry specific. There must be exactly one registrant admin tech and one billing contact specified.
<i>contact.<1-∞>.type</i>	Optional	'admin' 'billing' 'registrant' 'tech' 'zone'	The type of the corresponding contact. The number and types of required contacts are registry specific. There must be exactly one registrant admin tech and one billing contact specified.
<i>addon.*</i>	Optional	Character string	Any field that matches the given prefix is used for

request.type: email.modify
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
email.address: john@doe.name
email.id: GNRB-E-39-4733
email.authinfo: mySecret
email.maintainer: http://www.myreseller.com
email.dest.address: john.doe@yahoo.com
contact.l.id: contact1-ID
contact.l.type: admin
addon.: foobar*
Response:
response.type: email.modify
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: modify watch

Description:

Modify a watch object.

..

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'watch.modify'	Identifies the command type for watch object modification. Backward compatibility: K request-1
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for this transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: K registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.

<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional	DotShop	Id of the involved registry.
<i>watch.id</i>	Required	Character string	The registry-assigned id of the watch object to modify.
<i>watch.targets</i>	Required	Character string	Comma separated list of objects to watch. Possible targets are domain for domains and email for e-mail addresses. Both domain and email must be specified.
<i>watch.pattern.type</i>	Required	'literal'	Defines the meaning of the match string. literal means that each character in the pattern is to be taken literally i.e. there are no wildcards regular expressions or similar possible. Must be literal.
<i>watch.pattern.match</i>	Required	Character string	Defines the pattern that is used for the match test. Character string min. 1 max. 63 characters The pattern must consist of a single label without any dots. The pattern is tested against the second and third level label and against the user part of the e-mail address. N: Until clearance with it will not be possible to modify this field i.e. the same value as previously registered must be specified otherwise the command will fail.
<i>watch.report.period.unit</i>	Required	'd' 'w' 'm'	Specifies the unit of the period/frequency of the generated reports (day week or month).

<i>watch.report.period.value</i>	Required	<i>Integer value</i>	<i>Specifies the period/frequency of the generated reports in days weeks or months as specified by the watch.report.period.unit field. Only one day week or month possible therefore always 1 must be specified.</i>
<i>watch.report.address</i>	Required	<i>Character string representing a valid e-mail address min. 1 max. 250 characters</i>	<i>E-mail address to send the reports to.</i>
<i>watch.authinfo</i>	Required	<i>Character string min. 6 max. 16 characters</i>	<i>The authorization information specified by the registrant (pass phrase/password).It is currently unknown whether the live system of Global Name Registry will support authorization information on this object.</i>
<i>watch.maintainer</i>	Optional	<i>Character string min. 1 max. 128 characters (full Unicode charset)</i>	<i>Id or URL of the CCLLC member's reseller (if the object is not directly maintained by the CCLLC member).</i>
<i>contact.<I-∞>.id</i>	Optional	<i>Character string min. 1 characters</i>	<i>The id of a contact to be associated with the watch object. A contact with this name must exist in the involved registry. The number and types of required contacts are registry specific.</i>
<i>contact.<I-∞>.type</i>	Optional	<i>'admin' 'billing' 'registrant' 'tech' 'zone'</i>	<i>The type of the corresponding contact. The number and types of required contacts are registry specific. There must be exactly one registrant contact specified.</i>
<i>addon.*</i>	Optional	<i>Character string</i>	<i>Any field that matches the given prefix is used for the value adding services supplied by CCLLC. The description of the specific fields available is out of scope of this document.</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
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<i>response.type</i>	<i>'watch.modify'</i>	<i>Specifies the response type for watch object modification.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: watch.modify
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
watch.id: GNRB-W-39-1322
watch.targets: domain email
watch.pattern.type: literal

watch.pattern.match: mycompany
watch.report.period.unit: w
watch.report.period.value: 1
watch.report.address: john.doe@yahoo.com
watch.authinfo: mySecret
watch.maintainer: http://www.myreseller.com
contact.1.id: contact1-ID
contact.1.type: admin
addon.: foobar*
Response:
response.type: watch.modify
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: modify protection

Description:
 Modify a protection object.

..
Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'protection.modi</i>	Identifies the command type for protection object modification. Backward compatibility: <i>k request-i</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	Version of the payload format used in the request

				<i>Backward compatibility:</i> <i>Key:</i> payload-version <i>Value:</i> 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>		<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>		<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>		<i>Id of the requesting CCLLC member.</i> <i>Backward compatibility:</i> <i>k</i> registry
<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>		<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>		<i>The CCLLC member's arbitrary internal transaction id.</i> <i>Backward compatibility:</i> <i>k</i> transaction
<i>registry.id</i>	<i>Optional</i>	<i>DotShop</i>		<i>Id of the involved registry.</i>
<i>protection.id</i>	Required	<i>Character string</i>		<i>The registry-assigned id of the protection object to modify.</i>
<i>protection.targets</i>	Required	<i>Character string</i>		<i>Comma separated list of objects to watch. Possible targets are domain for domains and email for e-mail addresses.</i>

				<p><i>Both domain and email must be specified. Only domain may be specified.</i></p>
<i>protection.pattern.type</i>	Required		<i>'literal'</i>	<p><i>Defines the meaning of the match string. literal means that each character in the pattern is to be taken literally i.e. there are no wildcards regular expressions or similar possible.</i></p> <p><i>Must be literal.</i></p>
<i>protection.pattern.match</i>	Required		<i>Character string</i>	<p><i>Defines the pattern that is used for the match test. Character string min. 1 max. 127 characters. There are two variants possible:</i></p> <ul style="list-style-type: none"> <i>The pattern consists of a single label. It is tested against both the second and third level label and the user part of the e-mail address. It corresponds to the Global Name Registry's PREMIUM service.</i> <i>The pattern consists of two labels separated by dot. The first label (before the dot) is tested against the third level label of the domain name resp. the user name of the e-mail address the second label (after the dot) against the second level label of the domain. It corresponds to the Global Name Registry's STANDARD service.</i> <p><i>N: Until clearance with it will not be possible to modify this field i.e. the same value as previously registered must be specified otherwise the command will fail.</i></p> <p><i>:</i></p> <p><i>Character string min. 1 max. 63 characters. The pattern consists of a single label. It is tested against the second label of the domain name.</i></p> <p><i>N: It is not possible to modify this field i.e. the same value as previously registered must be specified otherwise</i></p>

				<i>the command will fail.</i>
<i>protection.authinfo</i>	Required	<i>Character string min. 6 max. 16 characters</i>		<i>The authorization information specified by the registrant (pass phrase/password).It is currently unknown whether the live system of Global Name Registry will support authorization information on this object.</i>
<i>protection.maintainer</i>	<i>Optional</i>	<i>Character string min. 1 max. 128 characters (full Unicode charset)</i>		<i>Id or URL of the CCLLC member's reseller (if the object is not directly maintained by the CCLLC member).</i>
<i>.trademark.number</i>	<i>Optional</i>	<i>Character string max. 100 characters</i>		<i>The ID of the trademark that backs this protection request. This field is required</i>
<i>.trademark.countrycode</i>	<i>Optional</i>	<i>Character string max. 2 characters</i>		<i>The ISO 3166 code for the country where the trademark has been registered. This field is required</i>
<i>.trademark.date</i>	<i>Optional</i>	<i>Date formatted according to one variant of ISO- 8601: 'yyyy-mm-dd'</i>		<i>Issue date of the trademark. This field is required</i>
<i>.trademark.name</i>	<i>Optional</i>	<i>Character string</i>		<i>The name of the trademark that backs this protection request.This field is required</i>
<i>.trademark.date</i>	<i>Optional</i>	<i>Date formatted according to one variant of ISO- 8601: 'yyyy-mm-dd'</i>		<i>Issue date of the trademark.This field is required</i>
<i>.trademark.countrycode</i>	<i>Optional</i>	<i>Character string max. 2 characters</i>		<i>The ISO 3166 code for the country where the trademark has been registered.This field is required</i>
<i>.trademark.number</i>	<i>Optional</i>	<i>Character string max. 100 characters</i>		<i>The ID of the trademark that backs this protection request.This field is required</i>
<i>contact.<1-∞>.id</i>	<i>Optional</i>	<i>Character string min. 1 characters</i>		<i>The id of a contact to be associated with the protection object. A contact with this name must exist in the involved registry. The number and</i>

				<i>types of required contacts are registry specific.</i>
<i>contact.<1-∞>.type</i>	<i>Optional</i>	<i>'admin' 'billing' 'registrant' 'tech' 'zone'</i>		<i>The type of the corresponding contact. The number and types of required contacts are registry specific. There must be exactly one registrant contact and one admin contact specified. It may not be the same contact specified for both contacts. There must be exactly one registrant contact on admin contact and one billing contact specified.</i>
<i>addon.*</i>	<i>Optional</i>	<i>Character string</i>		<i>Any field that matches the given prefix is used for the value adding services supplied by CCLLC. The description of the specific fields available is out of scope of this document.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'protection.modify'</i>	<i>Specifies the response type for protection object modification.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>

<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied errors detected by the gateway frontend.</i>

Request:

*request.type: protection.modify
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
protection.id: PROT-39-1322
protection.targets: domain email
protection.pattern.type: literal
protection.pattern.match: mycompany
protection.authinfo: mySecret
protection.maintainer: http://www.myreseller.com
.trademark.number: TRADEMARK-ID-12345-UK
.trademark.countrycode: GB
.trademark.date: 1994-01-05
.trademark.name: myTrademark
.trademark.date: 1994-01-05
.trademark.countrycode: GB
.trademark.number: TRADEMARK-ID-12345-UK
contact.1.id: contact1-ID
contact.1.type: admin
addon.*: foobar*

Response:

*response.type: protection.modify
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully*

transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: modify application

Description:
Modifies an existing application object.

The command is only available during the sunrise period of the registry..

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'application.modi	<i>Identifies the command type for the application modification.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request.</i> <i>Backward compatibility:</i> <i>Key: payload-version</i> <i>Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>

		(may be omitted if alternative field 'transaction.id' is specified)		
<i>CCLLCmber.id</i>	Required		Character string	Id of the requesting CCLLC member. Backward compatibility: k registra
<i>effectivemember.id</i>	Optional		Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required		Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transactio
<i>registry.id</i>	Optional		DotShop	Id of the involved registry.
<i>application.id</i>	Required		Character string	The ID of the application to delete.
<i>application.authinfo</i>	Required		Character string min. 4 max. 89 characters	The authorization information specified by the registrant (pass phrase/password). The given value will also be used for the created domain if the application succeeds.
<i>application.maintainer</i>	Optional		Character string min. 1 max. 128 characters (full Unicode charset)	Character string min. 4 max. 16 characters Id or URL of the CCLLC member's reseller (if the domain is not directly maintained by the CCLLC member). The given value will also be used for the created domain if the

				<i>application succeeds.</i>
<i>extended.use</i>	<i>Optional</i>	<i>Character string min. 1 max. 1000 characters (full Unicode charset)</i>		<i>The field describes the intended use of the domain as required by the registration policy.</i>
<i>domain.name</i>	<i>Required</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>		<i>The name of the domain (including top level domain).</i>
<i>domain.name.i15d</i>	<i>Optional</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>		<i>This field contains the presentation form of the corresponding domain.name</i>
<i>domain.variant.<1-∞>.name</i>	<i>Optional</i>	<i>Character string min. 1 max. 67 characters (full Unicode charset)</i>		<i>This field specifies an additional domain name variant that shall be registered along with the base name. The field may contain either the presentation form or its Punycode encoded form.</i>
<i>domain.variant.<1-∞>.name.i15d</i>	<i>Optional</i>	<i>Character string min. 1 max. 67 characters (full Unicode charset)</i>		<i>This field contains the presentation form of the corresponding domain.variant.#.name field to ensure the integrity of the name. If the field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i> <i>For standard registrations up to 10 variants are allowed.</i>
<i>domain.name.language</i>	<i>Optional</i>	<i>Language tag according to RFC 3066</i>		<i>This field defines the language context of the domain name.</i>
<i>ns.<1-∞>.name</i>	<i>Optional</i>	<i>Character string</i>		<i>The fully qualified name of a host (name</i>

			<i>min. 1 max. 132 characters (full Unicode charset)</i>	<i>server) to be associated with the domain.</i>
<i>ns.<1-∞>.name.i15d</i>	<i>Optional</i>		<i>Character string min. 1 max. 132 characters (full Unicode charset)</i>	<i>This field contains the presentation form the corresponding ns.#.name field to ensure the integrity of the name. If this field is specified the other field may not contain name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i> <i>If the name is in the zone the second level label may not be an internationalized label.</i>
<i>ns.<1-∞>.id</i>	<i>Optional</i>		<i>Character string</i>	<i>The id of a host to be associated with the domain (may be specified as an alternative to the host's name). The same registry specific restrictions apply as to the ns.#.name field</i>
<i>ns.<1-∞>.address.<1-∞>.value</i>	<i>Optional</i>		<i>Character string min. 3 max. 45 characters</i>	<i>The IP address of the host given in the specified format.</i> <i>The registry requires 0 to 9 IP addresses</i>
<i>ns.<1-∞>.address.<1-∞>.type</i>	<i>Optional</i>		<i>'v4' 'v6'</i>	<i>This field specifies the address type of the given name server.</i>
<i>contact.<1-∞>.id</i>	<i>Optional</i>		<i>Character string min. 1 characters</i>	<i>The id of a contact to be associated with the domain. A contact with this name must exist in the involved registry. The number and types of required contacts are registry specific.</i>

			<p>The registry requires 1 to 5 onsite contact and exactly one registrant contact.</p> <p>The Switch registry requires exactly one tech and exactly one registrant contact. Billing and admin contacts are not supported; the billing contact for / domain is always the registrar. There must be exactly one registrant admin tech and billing contact specified.</p>
<i>contact.<1-∞>.type</i>	<i>Optional</i>	<p>'admin' 'billing' 'registrant' 'tech' 'zone' 'onsite' 'ced' 'opn'</p>	<p>The type of the corresponding contact. The number and types of required contacts There must be exactly one registrar admin tech and billing contact specified.</p>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'application.create'</i>	<i>Specifies the response type for the application creation.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<p><i>The field (key) from the request which caused the corresponding result.</i></p> <p><i>N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i></p>
<i>account.name</i>		<i>The name of the CCLLC member's account charged with this command (this</i>

		<i>'main'</i>	<i>will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

Request:

request.type: application.modify
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
application.id: app1-ID
application.authinfo: mySecret
application.maintainer: http://www.myreseller.com
extended.use: Domain will host a web site dedicated to Catalan architecture
domain.name: acme
domain.name.i15d: domain.com
domain.variant.1.name: xn--barc-3na
domain.variant.1.name.i15d: barcà
domain.name.language: ca
ns.1.name: ns1.domain
ns.1.name.i15d: ns1.domain
ns.1.id: host1-ID
ns.1.address.1.value: 123.145.167.212
ns.1.address.1.type: v4
contact.1.id: contact1-ID
contact.1.type: admin

Response:

response.type: application.create
payload.version: 2.0
result.code: 10000

result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: -50
account.newbalance: 10230

COMMAND TYPE: request domain transfer

Description:

Request for the gaining CCLLC member to transfer a domain.:

Prior to start the transfer for a .name domain it is necessary to create the hosts that are used as name servers by the domain. Otherwise the command will fail with an 'object does not exist' error (note that this does not apply for CCLLC-internal transfers). Unfortunately .name objects not owned by CCLLC can not be inquired; so the only way to acquire the necessary name server information is to use the .name whois server at whois.nic.name.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'domain.transfer.reque</i>	<i>Identifies the command type for a doma transfer request. Backward compatibility: Key request-type Va transfer don</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in t request. Backward compatibility: Key payload-version Va 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for command. sent via e-ma else optional (may be omitt if alternative field 'transaction.a is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for command. sent via e-ma else optional (may be omitt if alternative field 'transaction.o</i>	<i>Character string</i>	<i>The 'any time' password (specified by th CCLLC member using the web interfac to be used for the transaction.</i>

		<i>is specified)</i>		
<i>CCLLCmber.id</i>	Required		<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivember.id</i>	<i>Optional</i>		<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry</i>
<i>domain.name</i>	<i>Required (only if alternative field 'domain.name' is not specified)</i>		<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>The name of the domain to transfer.:</i>
<i>domain.name.i15d</i>	<i>Optional</i>		<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding domain.name</i>
<i>domain.id</i>	<i>Required (only if alternative field 'domain.name' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the domain transfer. If both domain.name and domain.id are given in the request domain.id takes precedence.</i>
<i>domain.authinfo</i>	Required		<i>Character string min. 6 max. 89 characters</i>	<i>The authorization information (pass phrase/password) associated with the domain. Character string min. 6 max. 16 characters Character string min. 1 max. 32 characters Character string min. 6 max. 60 characters</i>
<i>period.unit</i>	<i>Optional</i>		<i>'y' 'm'</i>	<i>The unit of measurement for the object's period (years or months).</i>

			<i>(defaultvalue: y)</i>	'y' Only year may be specified as the period unit. Only year may be specified as the period unit.
<i>period.value</i>	<i>Optional</i>		<i>Integer value min. 1 max. 99 (defaultvalue: 1)</i>	The period by which the domain should be renewed after the transfer (as a multiple of the unit). switch Backward compatibility: k per
<i>transfer.foa.languages</i>	<i>Optional</i>		<i>Character string</i>	This optional field defines the language that shall preferably be used for the FC (Form of Authorization) that is sent to the registrant and the administrative contact in order to obtain authorization for the given transfer. If present it must contain a comma- or space-separated list of language tags according to RFC 3066; the Gateway will then try to use these languages (in the given order) for the sent FOA. If any of the specified languages is not supported it is silently ignored. If the field is not specified at all the member's global preferences regarding the FOA languages are used. N: Due to ICANN requirements English version of the FOA is always sent regardless of this field's presence or content.
<i>transfer.foa.maintainer</i>	<i>Optional</i>		<i>Character string (full Unicode charset)</i>	If the CCLLC member is requesting the transfer on behalf of a reseller this optional field may be used to specify the name of that company. This reseller name will then be included in the sent FOA making it easier for the registrant

				<i>and the administrative contact to verify the legitimacy of the transfer request.</i>
<i>.operation</i>	<i>Optional</i>		<i>'transfer' 'trade'</i>	<i>The requested operation type for the domain transfer. distinguishes between domain transfer (from one registrar to another) and domain trade (from one registrant to another registrar change may be included).</i>
<i>.ns.<1-∞>.name</i>	<i>Optional</i>		<i>Character string min. max. 132 characters (f Unicode charset)</i>	<i>The fully qualified name of a host (name server) to be associated with the domain.</i> <i>The registry requires 0 to 9 name servers. A name server name requires 4 to 100 tokens.</i>
<i>.ns.<1-∞>.address.<1-∞>.value</i>	<i>Optional</i>		<i>Character string min. max. 45 characters</i>	<i>The IP address of the host given in the specified format</i> <i>The registry requires 0 to 9 IP addresses.</i>
<i>.ns.<1-∞>.address.<1-∞>.type</i>	<i>Optional</i>		<i>'v4' 'v6'</i>	<i>This field specifies the address type of the given name server.</i>
<i>.contact.<1-∞>.id</i>	<i>Optional</i>		<i>Character string min. characters</i>	<i>The id of a contact to be associated with the domain. A contact with this name must exist in the involved registry and belong to the new registrar. The number and types of required contacts are registry specific.</i> <i>The registry requires 1 to 5 onsite contacts and exactly one registrant contact.</i>
<i>.contact.<1-∞>.type</i>	<i>Optional</i>		<i>'registrant' 'onsite'</i>	<i>The type of the corresponding contact. The number and types of required contacts are registry specific.</i> <i>There must be one onsite contact at least and exactly one registrant contact specified.</i>

<i>.uin</i>	<i>Optional</i>	<i>Character string</i>	<i>The Unique Identification Number</i>
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Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.transfer.request'</i>	<i>Specifies the response type for a domain transfer request.</i>
<i>exation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final '.' denotes the decimal fraction of the second.</i>	<i>The new exe date of the domain according to the registry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease. Note: The account change due to the domain transfer is done and reported immediately after the request. In case of transfer failure the units are refunded; information about the refund will be made available by the polling mechanism.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result).</i>

			<i>Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N The keys are not supplied for errors fo by the EPP registry server because EF does not provide them — only the offending values are supplied in this cc Offending keys are only supplied for errors detected by the gateway fronten</i>

Request:

request.type: domain.transfer.request
payload.version: 2.0
transaction otp: jkr321
transaction.atp: tOpSecrEt32
CLLCmber.id: CLLC-123
effectivember.id: CLLC-321
transaction.id: mytrans-35432
registry.id:
domain.name: acme
domain.name.i15d: domain.com
domain.id: domain1-ID
domain.authinfo: mySecret
period.unit: y
period.value: 2
transfer.foa.languages: fr de-CH
transfer.foa.maintainer: My Reseller Inc.
.operation: trade
.ns.1.name: ns1.domain
.ns.1.address.1.value: 123.145.167.212
.ns.1.address.1.type: v4
.contact.1.id: contact1-ID

.contact.1.type: admin

.uin: 3

Response:

response.type: domain.transfer.request

exation.date: 2005-05-17T22:00:00.0Z

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

account.name: main

accountange: -50

account.newbalance: 10230

COMMAND TYPE: cancel domain transfer

Description:

Cancel a previously started transfer of a domain. Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.transfer.cancel'	Identifies the command type for a domain transfer cancellation.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for this transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: Key: transaction

<i>registry.id</i>	<i>Optional</i>	<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>domain.name</i>	<i>Required (only if alternative field 'domain.id' is not specified)</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>The name of the domain for which the transfer shall be cancelled.</i>
<i>domain.name.internationalized</i>	<i>Optional</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding domain.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>domain.id</i>	<i>Required (only if alternative field 'domain.name' is not specified)</i>	<i>Character string</i>	<i>The registry-assigned id of the domain for which the transfer shall be cancelled. If both domain.name and domain.id are given in the request domain.id takes precedence.</i>
<i>.cancel.reason</i>	<i>Optional</i>	<i>Character string min. 1 max. 250 characters (full Unicode charset)</i>	<i>The reason for canceling the transfer. Strongly recommended to edit as the reason will be forwarded to the registrant by email.</i>
<i>.operation</i>	<i>Optional</i>	<i>'transfer' 'trade'</i>	<i>The requested operation type for the domain transfer. distinguishes between domain transfer (from one registrar to another) and domain trade (from one registrant to another registrar change may be included).</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.transfer.cancel'</i>	<i>Specifies the response type for a domain transfer cancellation.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>

<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: domain.transfer.cancel

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

domain.name: acme

domain.name.i15d: domain.com

domain.id: domain1-ID

.cancel.reason: specify the reason here

.operation: trade

Response:

response.type: domain.transfer.cancel

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

account.name: main

accountage: 0

account.newbalance: 10230

COMMAND TYPE: reply domain transfer

Description:

Approve or reject the transfer of a domain (request for the losing CCLLC member)..

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.transfer.reply'	Identifies the command type for a domain transfer reply.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility:

				<i>k</i> transaction
<i>registry.id</i>	<i>Optional</i>	<i>DotShop</i>		<i>Id of the involved registry.</i>
<i>domain.name</i>	<i>Required (only if alternative field 'domain.id' is not specified)</i>	<i>Character string min. max. 131 characters (full Unicode charset)</i>		<i>The name of the domain for which the transfer shall be replied.:</i>
<i>domain.name.i15d</i>	<i>Optional</i>	<i>Character string min. max. 131 characters (full Unicode charset)</i>		<i>This field contains the presentation form of the corresponding domain.name</i>
<i>domain.id</i>	<i>Required (only if alternative field 'domain.name' is not specified)</i>	<i>Character string</i>		<i>The registry-assigned id of the domain for which the transfer shall be replied. If both domain.name and domain.id are given in the request domain.id takes precedence.</i>
<i>transfer.reply</i>	<i>Required</i>	<i>'approve' 'reject'</i>		<i>Specifies whether the reply approves or rejects the transfer.</i>
<i>transfer.reply.reason</i>	<i>Optional</i>	<i>'fraud' 'udrpaction' 'courtorder' 'identity' 'payment' 'objection' 'lock' 'creationdate' 'transferdate'</i>		<i>If the member rejects the transfer this field is required and must contain one of the following tokens to specify a denial reason allowed by ICANN: fraud: Evidence of fraud udrpaction: UDRP action courtorder: Court order by a court of competent jurisdiction identity: Reasonable dispute over the identity of the Registered Name Holder or Administrative Contact payment: No payment for previous registration period (including credit card charge-backs) if the domain/e-mail address is past its expiration date or for previous or current registration periods if the domain/e-mail address has not yet expired. In all such cases however the domain/e-mail address must be put into 'Registrar Hold' status by the Registrar of Record prior to the denial of transfer. objection: Express written objection to the transfer from the Transfer Contact. (e.g. - email fax paper document or other processes by which the</i>

			<p><i>Transfer Contact has expressly and voluntarily objected through opt-in means)</i></p> <p><i>lock: A domain/e-mail address was already in 'lock status' provided that the Registrar provide readily accessible and reasonable means for the Registered Name Holder to remove the lock status.</i></p> <p><i>creationdate: A domain/e-mail address is in the first 60 days of an initial registration period.</i></p> <p><i>transferdate: A domain/e-mail address is within 60 days (or a lesser period to be determined) after being transferred (apart from being transferred back to the original Registrar in cases where both Registrars so agree and/or where a decision in the dispute resolution process so directs).</i></p>
<i>transfer.reply.comment</i>	<i>Optional</i>	<i>Character string (full Unicode charset)</i>	<i>If the member rejects the transfer this field may be used to add a free text comment explaining the denial.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.transfer.reply'</i>	<i>Specifies the response type for a domain transfer reply. Note: Due to the ICANN transfer policy a success response to this command may not necessarily be a code of 10000. If the registrant's (authoritative) decision concerning the transfer is not known yet a result code of 10100 is returned instead. See result code's documentation for more information.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>		<i>The name of the CCLLC member's account charged with this command</i>

		<i>'main'</i>	<i>(this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N_i The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

*request.type: domain.transfer.reply
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
domain.name: acme
domain.name.i15d: domain.com
domain.id: domain1-ID
transfer.reply: approve
transfer.reply.reason: fraud
transfer.reply.comment: Authinfo obtained by hack.*

Response:

*response.type: domain.transfer.reply
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully*

transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: inquire domain transfer

Description:

Inquire the most recent transfer for a given domain.

:Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.transferquir	<i>Identifies the command type for a domain transfer inquiry.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id.</i>

				<i>Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>domain.name</i>	<i>Required</i>		<i>Character string min max. 131 characters (full Unicode charsets)</i>	<i>The name of the domain for which the most recent transfer shall be inquired.</i>
<i>domain.name.i15d</i>	<i>Optional</i>		<i>Character string min max. 131 characters (full Unicode charsets)</i>	<i>This field contains the presentation form of the corresponding domain.name</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	<i>'domain.transferquire'</i>	<i>Specifies the response type for a domain transfer inquiry.</i>
<i>domain.name</i>	<i>Character string</i>	<i>The name of the domain (including top level domain) specified in the request.</i>
<i>domain.name.i15d</i>	<i>Character string (full Unicode charsets)</i>	<i>This field contains the presentation form of the domain name.</i>
<i>transfer.role</i>	<i>'gaining' 'losing'</i>	<i>Specifies the role of the member during the transfer. gaining means that member is the gaining participant of the transfer. losing means that the member is the losing participant of the transfer.</i>
<i>transfer.status</i>	<i>'pending' 'approved' 'rejected' 'cancelled'</i>	<i>Specifies the status of the most recent transfer.</i>
<i>transfer.start.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The start date of the transfer i.e. when the transfer request was received by the Gateway</i>
<i>transfer.end.date</i>	<i>Date and time formatted according to</i>	<i>The end date of the transfer i.e. when the</i>

		<i>one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>transfer was finished. This field is not present if the transfer is pending.</i>
<i>transfer.initiation.date</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The initiation date of an incoming transfer i.e. when the transfer was actually initiated at the registry (after an initial FOA phase). If this field is present it also indicates that the transfer was actually submitted to the registry (for external transfers) and that the losing registrant (or CCLLC member) should have been notified about the transfer. This field is never present for outgoing transfers.</i>
<i>transfer.registrant.decision</i>		<i>'approve' 'reject' 'undecided'</i>	<i>Specifies the registrant's decision regarding the transfer i.e. his response to the FOA. For gaining transfers this is the response to the incoming FOA; for losing transfers this is the response to the outgoing FOA.</i>
<i>transfer.admin.decision</i>		<i>'approve' 'reject' 'undecided'</i>	<i>Specifies the administrative contact's decision regarding the transfer i.e. his response to the FOA. For gaining transfers this is the response to the incoming FOA; for losing transfers this is the response to the outgoing FOA.</i>
<i>transfer.member.decision</i>		<i>'approve' 'reject' 'undecided'</i>	<i>Specifies the CCLLC member's decision regarding the transfer i.e. his reply. This field only occurs for outgoing transfers.</i>
<i>transfer.registrant.email</i>		<i>Character string representing a valid mail address</i>	<i>The e-mail address of the domain's registrant contact (if available).</i>
<i>transfer.admin.email</i>		<i>Character string representing a valid mail address</i>	<i>The e-mail address of the domain's administrative contact (if available).</i>
<i>transfer.registrant.name</i>		<i>Character string (full Unicode character set)</i>	<i>The name of the domain's registrant contact (if available).</i>
<i>transfer.admin.name</i>		<i>Character string (full Unicode character set)</i>	<i>The name of the domain's administrative contact (if available).</i>
<i>transfer.result.code</i>		<i>Integer value</i>	<i>The overall numeric result code describing the condition that led to the transfer outcome (if available).</i>

			<i>available).</i>
<i>transfer.result.msg</i>		<i>Character string</i>	<i>The string representation of the code describing the condition that led to the transfer outcome (if available).</i>
<i>transfer.result.error.<1-∞></i>		<i>Character string</i>	<i>If present this field provides additional information about the condition that led to the transfer outcome.</i>
<i>transfer.result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a subresult concerning the transfer.</i>
<i>transfer.result.<1-∞>.msg</i>		<i>Character string</i>	<i>The transfer subresult in human-readable form.</i>
<i>transfer.result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>Additional information concerning the subresult.</i>
<i>transfer.reply.reason</i>		<i>'pending' 'policy' 'adminidened' 'registrantdenied' 'fraud' 'udrpaction' 'courtorder' 'identity' 'payment' 'objection' 'lock' 'creationdate' 'transferdate'</i>	<i>If the transfer was rejected by the losing registrar or member this field - if present - provides one of the following tokens to specify the denial reason (this field is only present if this information is made available by the involved registry):</i> <i>pending: A transfer is already pending for the involved domain/e-mail address.</i> <i>policy: Due to registry policy the domain/e-mail address is currently not eligible for transfer. Some registries e.g. do not allow the transfer domains shortly after their creation.</i> <i>adminidened: The current administrative contact denied the transfer.</i> <i>registrantdenied: The current registrant contact denied the transfer.</i> <i>fraud: Evidence of fraud</i> <i>udrpaction: UDRP action</i> <i>courtorder: Court order by a court of competent jurisdiction</i> <i>identity: Reasonable dispute over the identity of the Registered Name Holder or Administrative Contact</i> <i>payment: No payment for previous registration period (including credit card charge-backs) is</i>

		<p><i>the domain/e-mail is past its expiration date or for previous or current registration periods if the domain/e-mail has not yet expired. In all such cases however the domain/e-mail must be put into 'Registrar Hold' status by the Registrar of Record prior to the denial of transfer.</i></p> <p><i>objection: Express written objection to the transfer from the Transfer Contact. (e.g. - email, fax paper document or other processes by which the Transfer Contact has expressly and voluntarily objected through opt-in means)</i></p> <p><i>lock: A domain/e-mail was already in 'lock status' provided that the Registrar provides a readily accessible and reasonable means for the Registered Name Holder to remove the lock status.</i></p> <p><i>creationdate: A domain/e-mail is in the first 60 days of an initial registration period.</i></p> <p><i>transferdate: A domain/e-mail is within 60 days (or a lesser period to be determined) after being transferred (apart from being transferred back to the original Registrar in cases where both Registrars so agree and/or where a decision in the dispute resolution process so directs).</i></p>
<i>transfer.reply.comment</i>	<i>Character string (full Unicode character set)</i>	<i>If the transfer was rejected by the losing registrar or member this field - if present - contains a free text comment explaining the denial.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>

<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for error found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending key are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: domain.transferquire

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

domain.name: acme

domain.name.i15d: domain.com

Response:

response.type: domain.transferquire

domain.name: acme

domain.name.i15d: domain.com

transfer.role: losing

transfer.status: rejected

transfer.start.date: 2001-05-17T22:00:00.0Z

transfer.end.date: 2001-05-27T22:00:00.0Z

transferitiation.date: 2001-05-20T22:00:00.0Z
transfer.registrant.decision: undecided
transfer.admin.decision: approve
transfermber.decision: reject
transfer.registrant.email: jdoe@acmesolutions
transfer.admin.email: jdoe@acmesolutions
transfer.registrant.name: John Doe
transfer.admin.name: John Doe
transfer.result.code: 22002
transfer.result.msg: Invalid authorization information
transfer.result.error.1: wrong authinfo (my-secret)
transfer.result.1.code: 22002
transfer.result.1.msg: Invalid authorization information
transfer.result.1.error.1: wrong authinfo (my-secret)
transfer.reply.reason: courtorder
transfer.reply.comment: Transfer rejected due to court order #123.
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324

COMMAND TYPE: request e-mail address transfer

Description:

Request for the gaining CCLLC member to transfer an e-mail address.

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Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'email.transfer.request'</i>	<i>Identifies the command type for an e-mail address transfer request. Backward compatibility: Key: request-type Value: transfer email</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for this transaction.</i>
<i>CCLLCmember.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>
<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for</i>

				<i>normal CCLLC members.</i>
<i>transaction.id</i>	Required		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>email.address</i>	<i>Required (only if alternative field 'email.id' is not specified)</i>		<i>Character string representing a valid e-mail address min. 1 max. 132 characters</i>	<i>The e-mail address to transfer.</i>
<i>email.id</i>	<i>Required (only if alternative field 'email.address' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the e-mail address to transfer.</i>
<i>email.authinfo</i>	Required		<i>Character string min. max. 16 characters</i>	<i>The authorization information (pass phrase/password) associated with the e-mail address.</i>
<i>transfer.foa.language</i>	<i>Optional</i>		<i>Character string</i>	<i>This optional field defines the languages that should preferably be used for the FOA (Form of Authorization) that is sent to the registrant and to administrative contact in order to obtain authorization for the given transfer. If present it must contain a comma- or space-separated list of language tags according to RFC 3066; the Gateway will then try to use these languages (in the given order) for the sent FOA. If any of the specified languages is not supported it is silently ignored. If the field is not specified at all the member's global preferences regarding the FOA language are used. N. Due to ICANN requirements the English version of the FOA is always sent regardless of this field's presence or content.</i>
<i>transfer.foa.maintain</i>	<i>Optional</i>		<i>Character string (full</i>	<i>If the CCLLC member is requesting the transfer</i>

			Unicode charset)	on behalf of a reseller this optional field may be used to specify the name of that company. This reseller name will then be included in the sent FOA making it easier for the registrant and the administrative contact to verify the legitimacy of the transfer request.
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Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'email.transfer.request'</i>	<i>Specifies the response type for an e-mail address transfer request.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registrar server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: email.transfer.request

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32
CLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
email.address: john@doe.name
email.id: GNRB-E-39-4733
email.authinfo: mySecret
transfer.foa.languages: fr de-CH
transfer.foa.maintainer: My Reseller Inc.
Response:
response.type: email.transfer.request
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: -50
account.newbalance: 10230

COMMAND TYPE: cancel e-mail address transfer

Description:

Cancel a previously started transfer of an e-mail address.

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Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'email.transfer.cance	Identifies the command type for an e-mail address transfer cancellation.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id.

				<i>Backward compatibility: k transaction_i</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>email.address</i>	<i>Required (only if alternative field 'email.id' is not specified)</i>		<i>Character string representing a valid e-mail address min. 1 max. 132 characters</i>	<i>The e-mail address for which the transfer shall be cancelled.</i>
<i>email.id</i>	<i>Required (only if alternative field 'email.address' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the e-mail address for which the transfer shall be cancelled.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'email.transfer.cancel'</i>	<i>Specifies the response type for an e-mail address transfer cancellation.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N_i The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only suppl</i>

Request:

request.type: email.transfer.cancel

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

email.address: john@doe.name

email.id: GNRB-E-39-4733

Response:

response.type: email.transfer.cancel

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

account.name: main

accountange: 0

account.newbalance: 10230

COMMAND TYPE: reply e-mail address transfer

Description:

Approve or reject the transfer of an e-mail address (request for the losing CCLLC member).

..

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'email.transfer.reply'	<i>Identifies the command type for an e-mail address transfer reply.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for this transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id.</i>

				<i>Backward compatibility: k transaction.</i>
<i>registry.id</i>	<i>Optional</i>	<i>DotShop</i>		<i>Id of the involved registry.</i>
<i>email.address</i>	<i>Required (only if alternative field 'email.id' is not specified)</i>	<i>Character string representing a valid e-mail address minimum 1 max. 132 characters</i>		<i>The e-mail address for which the transfer shall be replied.</i>
<i>email.id</i>	<i>Required (only if alternative field 'email.address' is not specified)</i>	<i>Character string</i>		<i>The registry-assigned id of the e-mail address for which the transfer shall be replied.</i>
<i>transfer.reply</i>	<i>Required</i>	<i>'approve' 'reject'</i>		<i>Specifies whether the reply approves or rejects the transfer.</i>
<i>transfer.reply.reason</i>	<i>Optional</i>	<i>'fraud' 'udrpaction' 'courtororder' 'identity' 'payment' 'objection' 'lock' 'creationdate' 'transferdate'</i>		<i>If the member rejects the transfer this field is required and must contain one of the following tokens to specify a denial reason allowed by ICANN: fraud: Evidence of fraud udrpaction: UDRP action courtororder: Court order by a court of competent jurisdiction identity: Reasonable dispute over the identity of the Registered Name Holder or Administrative Contact payment: No payment for previous registration period (including credit card charge-backs) if the domain/e-mail address is past its expiration date or for previous or current registration periods if the domain/e-mail address has not yet expired. In all such cases however the domain/e-mail address must be put into 'Registrar Hold' status by the Registrar of Record prior to the denial of transfer. objection: Express written objection to the transfer from the Transfer Contact. (e.g. - email fax paper document or other processes by which the Transfer Contact has expressly and voluntarily objected through opt-in means)</i>

			<p><i>lock</i>: A domain/e-mail address was already in 'locked status' provided that the Registrar provides a readily accessible and reasonable means for the Registered Name Holder to remove the lock status.</p> <p><i>creationdate</i>: A domain/e-mail address is in the first 60 days of an initial registration period.</p> <p><i>transferdate</i>: A domain/e-mail address is within 60 days (or a lesser period to be determined) after being transferred (apart from being transferred back to the original Registrar in cases where both Registrars so agree and/or where a decision in the dispute resolution process so directs).</p> <p>If the command is used to reject the transfer the specification of this field is required.</p>
<i>transfer.reply.comment</i>	Optional	Character string (for Unicode charset)	If the member rejects the transfer this field may be used to add a free text comment explaining the denial.

Response format:

Key	Value type/content	Description
<i>response.type</i>	'email.transfer.reply'	Specifies the response type for an e-mail address transfer reply.
<i>payload.version</i>	'2.0'	Version of the payload format used in the response.
<i>result.code</i>	Integer value	The overall numeric result code of the command.
<i>result.msg</i>	Character string	The overall result of the command in human-readable form.
<i>transaction.id</i>	Character string	The transaction id specified in the request.
<i>registry.transaction.id</i>	Character string	The transaction id assigned by the registry.
<i>account.name</i>	'main'	The name of the CCLLC member's account charged with this command (there will always be main until multiple accounts per CCLLC member are introduced).
<i>accountange</i>	Floating point value	The change (in currency units) of the account according to the command. positive number indicates an increase of the balance while a negative number indicates a decrease.
<i>account.newbalance</i>	Floating point value	The amount of currency units present on the account after completion of the command.
<i>result.<1-∞>.code</i>	Integer value	Numeric code of a specific result of the command (one command may have

			<i>more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N_i The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

*request.type: email.transfer.reply
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
email.address: john@doe.name
email.id: GNRB-E-39-4733
transfer.reply: approve
transfer.reply.reason: fraud
transfer.reply.comment: Authinfo obtained by hack.*

Response:

*response.type: email.transfer.reply
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
account.name: main
accountange: 0
account.newbalance: 10230*

COMMAND TYPE: renew domain

Description:

Extend the validity period of a domain object.

There is no renewal mechanism because registry is only accessible limited time.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.renew'	Identifies the command type for domain renewal. Backward compatibility: Ke request-ty Va renew dom.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Ke payload-version Va 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: k registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.

<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional	DotShop	Id of the involved registry.
<i>domain.name</i>	Required (only if alternative field 'domain.id' is not specified)	Character string min. 1 max. 131 characters (full Unicode characters)	The name of the domain (including top level domain) to renew.
<i>domain.name.i15d</i>	Optional	Character string min. 1 max. 131 characters (full Unicode characters)	This field contains the presentation form of the corresponding domain.name
<i>domain.id</i>	Required (only if alternative field 'domain.name' is not specified)	Character string	The registry-assigned id of the domain to renew. If both domain.name and domain.id are given in the request domain.id takes precedence.
<i>expiration.date</i>	Optional	Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.	The current expiration date of the domain. This value ensures that repeated renew commands do not result in multiple unanticipated successful renewals.
<i>period.unit</i>	Optional	'y' 'm' (defaultvalue: y)	The unit of measurement for the object's period (years or months). Only year may be specified as the period unit.
<i>period.value</i>	Required	Integer value min. 1 max. 99	The domain's actual period length as a multiple of the unit. Integer value min. 1 max. 10

			<i>The accumulated registration period is truncated to 10 years.</i>
<i>.uin</i>	<i>Optional</i>	<i>Character string</i>	<i>The Unique Identification Number</i>
<i>ens.promotion.code</i>	<i>Optional</i>	<i>Character string min. 1 max. 20 characters</i>	<i>This field contains the promotion code that shall be used for this operation.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.renew'</i>	<i>Specifies the response type for domain renewal.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>expiration.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The new expiration date of the domain according to the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account</i>

			<i>after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (or command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N The keys are not supplied for errors found the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: domain.renew

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

domain.name: acme

domain.name.i15d: domain.com

domain.id: domain1-ID

expiration.date: 2003-05-17T22:00:00.0Z

period.unit: y

period.value: 2

.uin: 3

ens.promotion.code: 294ACDE

Response:

response.type: domain.renew

payload.version: 2.0

result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
exation.date: 2005-05-17T22:00:00.0Z
account.name: main
accountange: -50
account.newbalance: 10230

COMMAND TYPE: renew e-mail address

Description:

Extend the validity period of an e-mail address object.

There is no renewal mechanism because registry is only accessible limited time..

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'email.renew'</i>	<i>Identifies the command type for e-mail address renewal. Backward compatibility: k request-i</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivemember.id</i>	Optional	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes.</i>

				<i>only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>email.address</i>	<i>Required (only if alternative field 'email.id' is not specified)</i>		<i>Character string representing a valid mail address min. 1 max. 132 characters</i>	<i>The e-mail address to renew.</i>
<i>email.id</i>	<i>Required (only if alternative field 'email.address' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the e-mail address to renew.</i>
<i>expiration.date</i>	<i>Optional</i>		<i>Date and time formatted according one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The current expiration date of the e-mail address. This value ensures that repeated renew commands do not result in multiple unanticipated successful renewals.</i>
<i>period.unit</i>	<i>Optional</i>		<i>'y' 'm' (defaultvalue: y)</i>	<i>The unit of measurement for the object's period (years or months). Only year may be specified as the period unit.</i>
<i>period.value</i>	Required		<i>Integer value min. 1 max. 99</i>	<i>The e-mail address' actual period length as a multiple of the unit. Backward compatibility: k period</i>

Response format:

Key	Value type/content	Description
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<i>response.type</i>	<i>'email.renew'</i>	<i>Specifies the response type for e-mail address renew</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>expiration.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The new exe date of the e-mail address according to the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (or command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the</i>

*Request:**request.type: email.renew**payload.version: 2.0**transaction.otp: jkr321**transaction.atp: tOpSecrEt32**CCLLCmber.id: CCLLC-123**effectivember.id: CCLLC-321**transaction.id: mytrans-35432**registry.id:**email.address: john@doe.name**email.id: GNRB-E-39-4733**exation.date: 2003-05-17T22:00:00.0Z**period.unit: y**period.value: 2**Response:**response.type: email.renew**payload.version: 2.0**result.code: 10000**result.msg: Command completed successfully**transaction.id: mytrans-35432**registry.transaction.id: tr493324**exation.date: 2005-05-17T22:00:00.0Z**account.name: main**accountange: -50**account.newbalance: 10230*

COMMAND TYPE: renew protection

Description:

Extend the validity period of a protection object.

There is no renewal mechanism because registry is only accessible limited time..

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'protection.renew'</i>	<i>Identifies the command type for protection object renewal. Backward compatibility: k request-i</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Val 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>

<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional	DotShop	Id of the involved registry.
<i>protection.id</i>	Required	Character string	The registry-assigned id of the protection object to renew.
<i>expiration.date</i>	Optional	Date and time formatted according one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.	The current expiration date of the protection object. This value ensures that repeated renew commands do not result in multiple unanticipated successful renewals.
<i>period.unit</i>	Optional	'y' 'm' (defaultvalue: y)	The unit of measurement for the object's period (year or months). Only year may be specified as the period unit.
<i>period.value</i>	Required	Integer value min. 1 max. 99	The protection object's actual period length as a multiple of the unit. Backward compatibility: k period

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	'protection.renew'	Specifies the response type for protection object renewal.
<i>payload.version</i>	'2.0'	Version of the payload format used in the response.
<i>result.code</i>	Integer value	The overall numeric result code of the command.
<i>result.msg</i>	Character string	The overall result of the command in human-readable form.
<i>transaction.id</i>	Character string	The transaction id specified in the request.

<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>exation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The new exe date of the protection object according the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (or command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N The keys are not supplied for errors found the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

*request.type: protection.renew
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
protection.id: PROT-39-4733
exation.date: 2003-05-17T22:00:00.0Z
period.unit: y
period.value: 2
Response:
response.type: protection.renew
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
exation.date: 2005-05-17T22:00:00.0Z
account.name: main
accountange: -50
account.newbalance: 10230*

COMMAND TYPE: renew watch object

Description:

Extend the validity period of a watch object.

There is no renewal mechanism because registry is only accessible limited time..

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'watch.renew'	<i>Identifies the command type for watch object renewal. Backward compatibility: k request-i</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmember.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>

<i>transaction.id</i>	Required		Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional		DotShop	Id of the involved registry.
<i>watch.id</i>	Required		Character string	The registry-assigned id of the watch object to renew
<i>exation.date</i>	Optional		Date and time formatted according one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.	The current exe date of the watch object. This value ensures that repeated renew commands do not result in multiple unanticipated successful renewals.
<i>period.unit</i>	Optional		'y' 'm' (defaultvalue: y)	The unit of measurement for the object's period (years or months). 'y' Only year may be specified as the period unit. Only year may be specified as the period unit.
<i>period.value</i>	Required		Integer value min. 1 max. 99	The watch object's actual period length as a multiple of the unit. Backward compatibility: k pe

Response format:

Key	Value type/content	Description
<i>response.type</i>	'watch.renew'	Specifies the response type for watch object renewal.
<i>payload.version</i>	'2.0'	Version of the payload format used in the response.
<i>result.code</i>	Integer value	The overall numeric result code of the command.
<i>result.msg</i>	Character string	The overall result of the command in human-readable form.
<i>transaction.id</i>	Character string	The transaction id specified in the request.

<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>exation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The new exe date of the watch object according to the registry.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (or command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: watch.renew

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32
CLLCmber.id: CLLC-123
effectivember.id: CLLC-321
transaction.id: mytrans-35432
registry.id:
watch.id: GNRB-W-39-4733
exation.date: 2003-05-17T22:00:00.0Z
period.unit: y
period.value: 2
Response:
response.type: watch.renew
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
exation.date: 2005-05-17T22:00:00.0Z
account.name: main
accountange: -50
account.newbalance: 10230

COMMAND TYPE: modify contact status

Description:

Modify the status of a contact object. Please note that the use of this request may require corresponding privileges.

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Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'contact.status.modif	<i>Identifies the command type for modifying the state(s) of a registered contact.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for</i>	<i>One time password</i>	<i>The one time password (taken from one of the</i>

		<i>commands sent via mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>consisting of 3 letters and 3 digits</i>	<i>CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>		<i>Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for th transaction.</i>
<i>CCLLCmber.id</i>		<i>Required</i>	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivember.id</i>		<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>		<i>Required</i>	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transactio.</i>
<i>registry.id</i>		<i>Optional</i>	<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>contact.id</i>		<i>Required</i>	<i>Character string</i>	<i>The ID of the contact. Backward compatibility: k har</i>
<i>contact.status.remov</i>		<i>Optional</i>	<i>Character string</i>	<i>Comma- or space-separated list of states that sha</i>

			be removed from the object. Only those states may be removed which the user is allowed to. The attempt to remove other states will result in an error. If a single asterisk is specified instead of the list all states that are accessible by the user are removed.
<i>contact.status.add</i>	<i>Optional</i>	<i>Character string</i>	<i>Comma- or space-separated list of states that should be added to the object. Only those states may be added which the user is allowed to. The attempt to add other states will result in an error. Adding a state that already exists will not cause the creation of a duplicate but will reset associated dates (e.g. timed on-hold state).</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'contact.status.modify'</i>	<i>Specifies the response type for the contact status modify request.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>contact.status</i>	<i>Character string</i>	<i>A comma-separated list of status values for the contact. Refer to the status value specification below for a list of valid status values.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result.</i>

		<i>N</i> <i>The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>
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Request:

request.type: contact.status.modify

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

contact.id: contact1-ID

contact.status.remove: hold

contact.status.add: lock

Response:

response.type: contact.status.modify

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

contact.status: lock

account.name: main

accountange: 0

account.newbalance: 10230

COMMAND TYPE: modify host status

Description:

Modify the status of a host object. Please note that the use of this request may require corresponding privileges.

: musedomaRequest format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'host.status.modify'</i>	<i>Identifies the command type for modifying the state(s) of a registered host.</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>
<i>effectivember.id</i>	Optional	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id.</i>

				Backward compatibility: k transaction.
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>host.name</i>	<i>Required (only if alternative field 'host.id' is not specified)</i>		<i>Character string min. 1 max. 132 characters (full Unicode character set)</i>	<i>The fully qualified name of the host to modify.</i> <i>This field may contain an internationalized domain name (IDN) which must either be specified in its presentation form or in its Punycode encoded form. Character string min. 1 max. 80 characters</i> <i>This field may contain an internationalized domain name (IDN) which must either be specified in its presentation form or in its Punycode encoded form</i>
<i>host.name.i15d</i>	<i>Optional</i>		<i>Character string min. 1 max. 132 characters (full Unicode character set)</i>	<i>This field contains the presentation form of the corresponding host.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.:</i> <i>Character string min. 1 max. 80 characters</i>
<i>host.id</i>	<i>Required (only if alternative field 'host.name' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the host to modify.</i>
<i>host.status.remove</i>	<i>Optional</i>		<i>Character string</i>	<i>Comma- or space-separated list of states that shall be removed from the object. Only those states may be removed which the user is allowed to. The attempt to remove other states will result in an error. If a single asterisk is specified instead of the list all states that are accessible by the user are removed.</i>
<i>host.status.add</i>	<i>Optional</i>		<i>Character string</i>	<i>Comma- or space-separated list of states that shall be added to the object. Only those states may be added which the user is allowed to. The attempt to</i>

transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
host.name: ns1.domain
host.name.i15d: ns1.domain
host.id: host1-ID
host.status.remove: hold
host.status.add: lock
Response:
response.type: host.status.modify
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
host.status: lock
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: modify domain status

Description:

Modify the status of a domain object. Please note that the use of this request may require corresponding privileges.

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Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.status.modif	<i>Identifies the command type for modifying the state(s) of a registered domain.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for this transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>

<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction
<i>registry.id</i>	Optional	DotShop	Id of the involved registry.
<i>domain.name</i>	Required (only if alternative field 'domain.id' is not specified)	Character string min. max. 131 characters (full Unicode charset)	The name of the domain to modify.
<i>domain.name.i15d</i>	Optional	Character string min. max. 131 characters (full Unicode charset)	This field contains the presentation form of the corresponding domain.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentatio form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected. Character string min. 1 max. 67 characters Character string min. 1 max. 68 characters: Character string min. 1 max. 67 characters Character string min. 1 max. 66 characters Character string min. 1 max. 67 characters Only non-internationalized domain names are allowed here.
<i>domain.id</i>	Required (only if alternative field 'domain.name' is not specified)	Character string	The registry-assigned ID of the domain to modify. If both domain.name and domain.id are given in the request domain.id takes precedence.
<i>domain.status.remove</i>	Optional	Character string	Comma- or space-separated list of states that should be removed
<i>domain.status.add</i>	Optional	Character string	Comma- or space-separated list of states that should be added to the object. Only those states may be

request.type: domain.status.modify
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
domain.name: acme
domain.name.i15d: domain.com
domain.id: domain1-ID
domain.status.remove: hold
domain.status.add: lock
Response:
response.type: domain.status.modify
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
domain.status: lock
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: modify email status

Description:
Modify the status of an e-mail object Please note that the use of this request may require corresponding privileges.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'email.status.modify'</i>	<i>Identifies the command type for modifying the</i>

				<i>state(s) of a registered e-mail address.</i>
<i>payload.version</i>	Required	'2.0'		<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>		<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>		<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>		<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>		<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>		<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: Key: transaction</i>
<i>registry.id</i>	<i>Optional</i>	<i>DotShop</i>		<i>Id of the involved registry.</i>
<i>email.address</i>	<i>Required (only if alternative field 'email.id' is not specified)</i>	<i>Character string representing a valid e-mail address min. max. 132 characters</i>		<i>The e-mail address.</i>

<i>email.id</i>	<i>Required (only if alternative field 'email.address' is not specified)</i>	<i>Character string</i>	<i>The registry-assigned ID of the e-mail address.</i>
<i>email.status.remove</i>	<i>Optional</i>	<i>Character string</i>	<i>Comma- or space-separated list of states that shall be removed from the object. Only those states may be removed which the user is allowed to. The attempt to remove other states will result in an error. If a single asterisk is specified instead of the list all states that are accessible by the user are removed.</i>
<i>email.status.add</i>	<i>Optional</i>	<i>Character string</i>	<i>Comma- or space-separated list of states that shall be added to the object. Only those states may be added which the user is allowed to. The attempt to add other states will result in an error. Adding a state that already exists will not cause the creation of a duplicate but will reset associated dates (e.g. timed on-hold state).</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'email.status.modify'</i>	<i>Specifies the response type for the e-mail address status modify request.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>email.status</i>	<i>Character string</i>	<i>A comma-separated list of status values for the e-mail address. Refer to the status value specification below for a list of valid status values.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (it will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>

<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N_i The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: email.status.modify

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

email.address: john@doe.name

email.id: GNRB-E-39-4733

email.status.remove: hold

email.status.add: lock

Response:

response.type: email.status.modify

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

email.status: lock

account.name: main

accountange: 0

account.newbalance: 10230

COMMAND TYPE: modify protection status

Description:

Modify the status of a protection object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'protection.status.modify'	<i>Identifies the command type for modifying the state(s) of a protection object.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>

<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction.</i>
<i>registry.id</i>	<i>Optional</i>	<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>protection.id</i>	Required	<i>Character string</i>	<i>The ID of the protection object.</i>
<i>protection.status.remove</i>	<i>Optional</i>	<i>Character string</i>	<i>Comma- or space-separated list of states that shall be removed from the object. Only those states may be removed which the user is allowed to. The attempt to remove other state will result in an error. If a single asterisk is specified instead of the list all states that are accessible by the user are removed.</i>
<i>protection.status.add</i>	<i>Optional</i>	<i>Character string</i>	<i>Comma- or space-separated list of states that shall be added to the object. Only those states may be added which the user is allowed to. The attempt to add other states will result in an error. Adding a state that already exists will not cause the creation of a duplicate but will reset associated dates (e.g. a timed on-hold state).</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'protection.status.modify'</i>	<i>Specifies the response type for the protection status modify request.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>protection.status</i>	<i>Character string</i>	<i>A comma-separated list of status values for the protection object. Re</i>

			<i>to the status value specification below for a list of valid status values</i>
<i>account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N/A The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: protection.status.modify

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

protection.id: PROT1-ID

protection.status.remove: clientDeleteProhibited

protection.status.add: clientUpdateProhibited

Response:

response.type: protection.status.modify
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
protection.status: lock
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: modify application status

Description:

Modify the status of an application object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'application.status.modify'	<i>Identifies the command type for modifying the state(s) of an application object.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for command sent via e-mail, else optional (may be omitted if alternative field 'transaction.a is specified)</i>	<i>One time password consisting of 3 letters and digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for command sent via e-mail, else optional (may be omitted if alternative field 'transaction.a is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>

<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which the request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: Key: transaction</i>
<i>registry.id</i>	<i>Optional</i>	<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>application.id</i>	Required	<i>Character string</i>	<i>The ID of the application object.</i>
<i>application.status.remove</i>	<i>Optional</i>	<i>Character string</i>	<i>Comma- or space-separated list of states that shall be removed from the object. Only those states may be removed which the user is allowed to. The attempt to remove other states will result in an error. If a single asterisk is specified instead of the list all states that are accessible by the user are removed.</i>
<i>application.status.add</i>	<i>Optional</i>	<i>Character string</i>	<i>Comma- or space-separated list of states that shall be added to the object. Only those states may be added which the user is allowed to. The attempt to add other states will result in an error. Adding a state that already exists will not cause the creation of a duplicate but will reset associated dates (e.g. a timed on-hold state).</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'application.status.modify'</i>	<i>Specifies the response type for the application status modify</i>

			<i>request.</i>
<i>payload.version</i>	'2.0'		<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>		<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>		<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>		<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>		<i>The transaction id assigned by the registry.</i>
<i>application.status</i>	<i>Character string</i>		<i>A comma-separated list of status values for the application object. Refer to the status value specification below for a list of valid status values.</i>
<i>account.name</i>	'main'		<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>		<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>		<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>		<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>		<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>		<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>		<i>The field (key) from the request which caused the corresponding result.</i> <i>N/A The keys are not supplied for errors found by the EP registry server because EPP does not provide them - only the offending values are supplied in this case. Offending keys are only supplied for errors detected the gateway frontend.</i>

Request:

request.type: application.status.modify

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32
CLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
application.id: A39845
application.status.remove: clientDeleteProhibited
application.status.add: clientUpdateProhibited
Response:
response.type: application.status.modify
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
application.status: lock
account.name: main
accountange: 0
account.newbalance: 10230

COMMAND TYPE: request pre-authentication record

Description:

Apply for a new pre-authentication record.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'ens.auth.apply'	Identifies the command type for requesting new pre-authentication records.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id

				<i>id.</i> <i>Backward compatibility:</i> <i>k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	
<i>enso.id</i>	<i>Optional</i>		<i>Character string min. 1 max. 128 characters (defaultvalue: sita)</i>	<i>ID of the ENSO to be associated with the new pre-authentication record. This field must be specified authorization by an ENSO is sought.</i>
<i>applicant.type</i>	<i>Required</i>		<i>Character string</i>	<i>Type of the applicant for the automated ENSAuth application process.</i>
<i>credentials.code</i>	<i>Required</i>		<i>Character string</i>	<i>Contains the code for the credentials supplied with this request.</i>
<i>credentials.value</i>	<i>Required</i>		<i>Character string</i>	<i>The credentials themselves. Depending on the type the value may be matched against a specific pattern.</i>
<i>ens.auth.name</i>	<i>Required</i>		<i>Character string max. 128 characters</i>	<i>The name of the applicant.</i>
<i>ens.authanization</i>	<i>Optional</i>		<i>Character string max. 128 characters</i>	<i>The applicant's organization.</i>
<i>ens.auth.email</i>	<i>Required</i>		<i>Character string max. 132 characters</i>	<i>The applicant's e-mail address.</i>
<i>ens.auth.fax</i>	<i>Optional</i>		<i>Character string the must begin with a plus '+' sign followed by country code followed by a dot followed by sequence of digits representing the telephone number min. 1 max. 17 characters</i>	<i>The applicant's fax number.</i>
<i>domain.name.<1-∞</i>	<i>Optional</i>		<i>Character string min.</i>	<i>The name of a domain (including top level domain)</i>

			<i>1 max. 131 character (full Unicode characters)</i>	<i>to be registered according to the new pre-authentication record (multiple domain names may be supplied).</i>
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Response format:

Key	Value type/content	Description
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>response.type</i>	<i>'ens.auth.apply'</i>	<i>Specifies the response type for pre-authentication requests.</i>
<i>ens.auth.application.id</i>	<i>Character string</i>	<i>ID of this application which may be used to associate feedback from .</i>
<i>ens.auth.id</i>	<i>Character string maximum 1 max. 20 character</i>	<i>The assigned ENSAuth identification if the request has been processed by the automated ENSAuth application process. The field will not appear if the request has been queued for manual review.</i>
<i>ens.auth.key</i>	<i>Character string maximum 1 max. 20 character</i>	<i>The assigned ENSAuth key if the request has been processed by the automated ENSAuth application process.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: ens.auth.apply

payload.version: 2.0

transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CLLLCmber.id: CLLLC-123
effectivember.id: CLLLC-321
transaction.id: mytrans-35432
registry.id:
enso.id: IATA
applicant.type: pilot
credentials.code: acpa
credentials.value: 15243
ens.auth.name: Wilbur Wright
ens.authanization: Wright Bros. Inc.
ens.auth.email: wwright@acpa
ens.auth.fax: +1.234567890
domain.name.1: acme
Response:
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
response.type: ens.auth.apply
ens.auth.application.id: A67-SITA
ens.auth.id: E12345-ENSR
ens.auth.key: XVGF65

COMMAND TYPE: inquire pre-authentication record

Description:

This request allows various inquiries to a given ENSAuth identification. If only an ID is supplied the request tests for existence and returns its data (only if the record has been created by the inquiring registrant). If the key has been supplied also the request additionally checks it thus enabling the registrant to verify a given id/key pair. If an additional domain name and the related registration type is supplied the request tests whether the given domain would be registerable according to the currently effective rule set.

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Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'ens.authquire'</i>	<i>Identifies the command type.</i>

			Identifies the command type for inquiring existing ENS auth records and promotion codes. Identifies the command type for inquiring existing pre-authentication records.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for this transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: Key: transaction
<i>registry.id</i>	Optional	DotShop	Id of the involved registry.

<i>ens.auth.id</i>	<i>Optional</i>	<i>Character string min. 1 max. 20 characters</i>	<i>Identifies the ENSAuth record to inquire.</i>
<i>ens.auth.key</i>	<i>Optional</i>	<i>Character string min. 1 max. 20 characters</i>	<i>The ENSAuth record's key.</i>
<i>ens.promotion.code</i>	<i>Optional</i>	<i>Character string</i>	<i>The promotion code to inquire. May be used instead of the ens.auth.id field.</i>
<i>domain.name</i>	<i>Optional</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>The name of the domain (including top level domain). If specified the request test whether the domain is valid using the ENSAuth record. If specified the request test whether the domain may be registered using the ENSAuth record.</i>
<i>domain.name.i15d</i>	<i>Optional</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding domain.name field to ensure the integrity of the name. If this field is specified the other field may not contain a name in presentation form but must use the Punycode encoding. If the Punycode form represents a different name than the presentation form the request is rejected.</i>
<i>registration.type</i>	<i>Optional</i>	<i>Character string min. 1 max. 128 characters</i>	<i>The type of registration. Must be specified if domain.name is specified also.</i>
<i>pricing.op</i>	<i>Optional</i>	<i>'create' 'renew' 'transfer'</i>	<i>The request type for which pricing information should be returned.</i>
<i>pricing.op.period.unit</i>	<i>Optional</i>	<i>'y'</i>	<i>The unit of measurement for the pricing.op field. Only year may be specified.</i>
<i>pricing.op.period.value</i>	<i>Optional</i>	<i>Integer value min. max. 99</i>	<i>The value as a multiple of the unit for the pricing.op field.</i>
<i>reference.date</i>	<i>Optional</i>	<i>Date and time formatted according to one variant of the extended date-time</i>	<i>A specific date to check the validity of this ENSAuth object.</i>

			<p>form defined in ISO 8601: 'yyyy-mm-ddThh:mm:ss.sZ'. ' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</p>	
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Response format:

Key	Value type/content	Description
<i>payload.version</i>	'2.0'	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>response.type</i>	'ens.authquire'	<p><i>Specifies the response type.</i></p> <p><i>Specifies the response type for ens auth inquiries.</i></p> <p><i>Specifies the response type for pre-authentication inquiries.</i></p>
<i>ens.auth.id</i>	<i>Character string min. 1 max. 20 characters</i>	<p><i>The ENS auth id.</i></p> <p><i>The ID of the ENS auth record if it exists; otherwise a promotion code is returned.</i></p> <p><i>The assigned ENSAuth identification if the request has been processed by the automate ENSAuth application process. The field will not appear if the request has been queued for manual review.</i></p>
<i>ens.auth.key</i>	<i>Character string min. 1 max. 20</i>	<i>The assigned ENSAuth key if the request has</i>

		<i>characters</i>	<i>been processed by the automated ENSAuth application process.</i>
<i>ens.promotion.name</i>		<i>Character string</i>	<i>The promotion's name; only present if no E auth record exists.</i>
<i>ens.auth.status</i>		<i>'granted' 'denied' 'pending'</i>	<i>The status of the ENSAuth record resp. the corresponding ENSAuth application submitted via the ens.auth.apply request.</i>
<i>ens.auth.name</i>		<i>Character string max. 128 characters</i>	<i>The name of the record's owner.</i>
<i>ens.athanization</i>		<i>Character string max. 128 characters</i>	<i>The organization of the record's owner.</i>
<i>ens.auth.email</i>		<i>Character string max. 132 characters (full Unicode charset)</i>	<i>The e-mail address of the record's owner.</i>
<i>ens.auth.fax</i>		<i>Character string that must begin with a plus '+' sign followed by a country code followed by a dot followed by a sequence of digits representing the telephone number max. 17 characters</i>	<i>The fax number of the record's owner.</i>
<i>ens.auth.codeelement</i>		<i>Character string (full Unicode charset)</i>	<i>The code element associated with the record</i>
<i>ens.auth.validity.from</i>		<i>Date and time formatted according to one variant of the extended date time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The starting date of the ENS auth record's validity period. If missing the record has always been valid.</i>
<i>ens.auth.validity.to</i>		<i>Date and time formatted according to one variant of the extended date time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The end date of the ENS auth record's valid period. If missing the record will not become invalid.</i>
<i>ens.auth.maxvariants</i>		<i>Integer value min. 0</i>	<i>The maximum number of allowed IDN variants.</i>

<i>ens.auth.utilization</i>	Boolean value ('true' or 'false')	The summarized information whether the ENS auth record can be used by the given parameters.
<i>ens.auth.utilization.enabled</i>	Boolean value ('true' or 'false')	The flag whether the ENS auth record is generally usable.
<i>ens.auth.utilization.keyusable</i>	Boolean value ('true' or 'false')	The flag whether the ENS auth key is still usable or whether some usage limit has been reached.
<i>ens.auth.utilization.validityperiod</i>	Boolean value ('true' or 'false')	The flag whether the reference date is in the validity period; if not reference date is given the current date will be taken as reference.
<i>ens.auth.utilization.operations</i>	'create' 'renew' 'transfer' multiple values may be specified as comma- or space-separated list values must be unique	The list of allowed operations for this ENS auth record; may be empty if no operation is allowed.
<i>ens.auth.utilization.validdomainname</i>	Boolean value ('true' or 'false')	The flag whether the domain name is valid; only present if a domain name was given.
<i>ens.pricing.total.value</i>	Floating point value	The value of the pricing information (if requested for an operation); contrary to the general payload responses debits are returned as positive values and credits as negative ones.
<i>ens.pricing.total.mu</i>	Character string min. 1 max. 3 characters	The monetary unit of the pricing information (if requested for an operation).
<i>result.<1-∞>.code</i>	Integer value	Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.
<i>result.<1-∞>.msg</i>	Character string	The specific result of the command in human readable form.
<i>result.<1-∞>.error.<1-∞></i>	Character string	The field value from the request which caused the corresponding result.
<i>result.<1-∞>.key.<1-∞></i>	Character string	The field (key) from the request which caused the corresponding result. N/A The keys are not supplied for errors found by the EPP registry server

		<i>because EPP does not provide the — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>
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Request:

request.type: ens.authquire

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

ens.auth.id: E1234-ENSR

ens.auth.key: XVF56U

domain.name: national.museum

domain.name.i15d: national.museum

registration.type: airline-iata

pricing.op: create

pricing.op.period.unit: y

pricing.op.period.value: 2

reference.date: 2010-02-15T10:00:00.0Z

Response:

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

response.type: ens.authquire

ens.auth.id: E12345-ENSR

ens.auth.key: XVGf65

ens.promotion.name: Renew Promotion 2010

ens.auth.status: granted

ens.auth.name: Wilbur Wright

ens.athanization: Wright Bros. Inc.

ens.auth.email: wwright@acpa
ens.auth.fax: +1.234567890
ens.auth.codeelement: my.domain
ens.auth.validity.from: 2008-01-01T00:00:00.0Z
ens.auth.validity.to: 2009-01-01T00:00:00.0Z
ens.auth.maxvariants: 10
ens.auth.utilization: true
ens.auth.utilization.enabled: true
ens.auth.utilization.keyusable: true
ens.auth.utilization.validityperiod: true
ens.auth.utilization.operations: create
ens.auth.utilization.validdomainname: true
ens.pricing.total.value: 20.00
ens.pricing.total.mu: EUR

COMMAND TYPE: create pre-authentication record

Description:

This request creates pre-authentication records on behalf of the registry sponsor.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'ens.auth.create'	<i>Identifies the command type for poll requests.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed</i>

				for normal CCLLC members.
<i>transaction.id</i>	Required		Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction.
<i>registry.id</i>	Optional		DotShop	Id of the involved registry.
<i>.reg.id</i>	Optional		Character string	internal identifier of the given registrant.
<i>.reg.name</i>	Required		Character string (full Unicode charset)	The name of the registrant (i.e. name of the museum).
<i>.reg.address.street.<1-3></i>	Required		Character string (full Unicode charset)	The street where the registrant is located in.
<i>.reg.address.city</i>	Required		Character string (full Unicode charset)	The city where the registrant is located in.
<i>.reg.address.state</i>	Optional		Character string (full Unicode charset)	The state the registrant is located in.
<i>.reg.address.postalcode</i>	Required		Character string (full Unicode charset)	The postal code of the city the registrant is located in.
<i>.reg.address.country</i>	Required		ISO-3166 country code min. 2 max. 2 characters	The country the registrant is located in.
<i>.reg.phone</i>	Optional		Character string that must begin with a plus '+' sign followed by a country code followed by a digit followed by a sequence of digits representing the telephone number min. 1 max. 17	The phone number of the registrant.

			<i>characters</i>	
<i>.reg.fax</i>	<i>Optional</i>		<i>Character string that must begin with a plus '+' sign followed by a country code followed by a digit followed by a sequence of digits representing the telephone number. min. 1 max. 17 characters</i>	<i>The fax number of the registrant.</i>
<i>.reg.updated</i>	<i>Optional</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.s' 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The point of time the contact has been updated at last.</i>
<i>.reg.created</i>	<i>Optional</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.s'</i>	<i>The point of time the contact has been created</i>

			'T' and 'Z' have be specified literally the find 's' denotes the decimal fraction of the second.	
<i>.reg.nonprofit</i>	Required		'yes' 'no'	<i>Identifies whether the organization is a profit non-profit organization.</i>
<i>.reg.prof.<1-3></i>	<i>Optional</i>		Character string (full Unicode charset)	?
<i>.reg.prof.<1-3></i>	<i>Optional</i>		Character string (full Unicode charset)	?
<i>.reg.prof.<1-3>.no</i>	<i>Optional</i>		Character string (full Unicode charset)	?
<i>.reg.url.main</i>	<i>Optional</i>		Character string	<i>Main URL to the organization's web site.</i>
<i>.reg.url.<1-3></i>	<i>Optional</i>		Character string	<i>Additional URL(s) of the organization.</i>
<i>.reg.claim</i>	<i>Optional</i>		Character string (full Unicode charset)	<i>Claim of the registrant for the .museum domain.</i>
<i>.reg.freetext</i>	<i>Optional</i>		Character string (full Unicode charset)	<i>Freetext added by the registry sponsor.</i>
<i>.reg.status</i>	<i>Optional</i>		Character string (full Unicode charset)	<i>The status of the application.</i>
<i>.reg.enspay.time</i>	<i>Optional</i>		Date and time formatted according to one variant of the extended date- time form defined in ISO-8601: 'yyyy-mm- ddThh:mm:ss.s	?

			'T' and 'Z' have be specified literally the find 's' denotes the decimal fractio of the second.	
<i>.reg.enspay.id</i>	<i>Optional</i>		<i>Character string</i>	<i>?</i>
<i>.admin.id</i>	<i>Optional</i>		<i>Character string</i>	<i>internal identifier of the given administrator.</i>
<i>.admin.name</i>	Required		<i>Character string (full Unicode charset)</i>	<i>The name of the administrator.</i>
<i>.adminanization</i>	<i>Optional</i>		<i>Character string (full Unicode charset)</i>	<i>The organization the administrator belongs to</i>
<i>.admin.address.street.<1-3></i>	Required		<i>Character string (full Unicode charset)</i>	<i>The street where the administrator is located</i>
<i>.admin.address.city</i>	Required		<i>Character string (full Unicode charset)</i>	<i>The city where the administrator is located in</i>
<i>.admin.address.state</i>	<i>Optional</i>		<i>Character string (full Unicode charset)</i>	<i>The state the administrator is located in.</i>
<i>.admin.address.postalcode</i>	Required		<i>Character string (full Unicode charset)</i>	<i>The postal code of the city the administrator is located in.</i>
<i>.admin.address.country</i>	Required		<i>ISO-3166 coun code min. 2 ma 2 characters</i>	<i>The country the administrator is located in.</i>
<i>.admin.phone</i>	Required		<i>Character string that must begin with a plus '+' sign followed by a country code followed by a d followed by a sequence of dig</i>	<i>The phone number of the administrator.</i>

			<i>representing the telephone number. 1 min. 17 max. 17 characters</i>	
<i>.admin.fax</i>	<i>Optional</i>		<i>Character string that must begin with a plus '+' sign followed by a country code followed by a digit followed by a sequence of digits representing the telephone number. 1 min. 17 max. 17 characters</i>	<i>The fax number of the administrator.</i>
<i>.admin.email</i>	<i>Required</i>		<i>Character string representing a valid e-mail address</i>	<i>The e-mail address of the administrator.</i>
<i>.admin.updated</i>	<i>Optional</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.s' 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The point of time the contact has been updated at last.</i>
<i>.admin.created</i>	<i>Optional</i>		<i>Date and time formatted</i>	<i>The point of time the contact has been created</i>

			according to or variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.s'. 'T' and 'Z' have to be specified literally. The 's' denotes the decimal fraction of the second.	
<i>.submitter.id</i>	<i>Optional</i>		Character string	<i>internal identifier of the given submitter.</i>
<i>.submitter.name</i>	Required		Character string (full Unicode charset)	<i>The name of the submitter.</i>
<i>.submitter.organization</i>	<i>Optional</i>		Character string (full Unicode charset)	<i>The organization the submitter belongs to.</i>
<i>.submitter.address.street.<1-3></i>	Required		Character string (full Unicode charset)	<i>The street where the submitter is located in.</i>
<i>.submitter.address.city</i>	Required		Character string (full Unicode charset)	<i>The city where the submitter is located in.</i>
<i>.submitter.address.state</i>	<i>Optional</i>		Character string (full Unicode charset)	<i>The state the submitter is located in.</i>
<i>.submitter.address.postalcode</i>	Required		Character string (full Unicode charset)	<i>The postal code of the city the submitter is located in.</i>
<i>.submitter.address.country</i>	Required		ISO-3166 country code min. 2 max. 2 characters	<i>The country the submitter is located in.</i>
<i>.submitter.phone</i>	Required		Character string that must begin	<i>The phone number of the submitter.</i>

			with a plus '+' sign followed by a country code followed by a digit followed by a sequence of digits representing the telephone number. 1 min. 17 max. 17 characters	
<i>.submitter.fax</i>	<i>Optional</i>		Character string that must begin with a plus '+' sign followed by a country code followed by a digit followed by a sequence of digits representing the telephone number. 1 min. 17 max. 17 characters	<i>The fax number of the submitter.</i>
<i>.submitter.email</i>	Required		Character string representing a valid e-mail address	<i>The e-mail address of the submitter.</i>
<i>.submitter.updated</i>	<i>Optional</i>		Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.s' 'T' and 'Z' have to be specified	<i>The point of time the contact has been updated at last.</i>

			<i>literally the find 's' denotes the decimal fraction of the second.</i>	
<i>.submitter.created</i>	<i>Optional</i>		<i>Date and time formatted according to one variant of the extended date- time form defin in ISO-8601: 'yyyy-mm- ddThh:mm:ss.s' 'T' and 'Z' have be specified literally the find 's' denotes the decimal fraction of the second.</i>	<i>The point of time the contact has been created</i>
<i>domain.name.<1-∞></i>	<i>Optional</i>		<i>Character string min. 1 max. 131 characters (full Unicode charse</i>	<i>The name of a domain (including top level domain) to be registered according to the new pre-authentication record (multiple domain names may be supplied).</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>response.type</i>	<i>'ens.auth.create'</i>	<i>Specifies the response type for pre-authentication creations.</i>

<i>ens.auth.application.i</i>	<i>Character string</i>	<i>ID of this application which may be used to associate feedback from .</i>
<i>ens.auth.id</i>	<i>Character string min. 1 max. 20 characters</i>	<i>The assigned ENSAuth identification.</i>
<i>ens.auth.key</i>	<i>Character string min. 1 max. 20 characters</i>	<i>The assigned ENSAuth key.</i>

Request:

request.type: ens.auth.create

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

.reg.id: 12345

.reg.name: John Doe

.reg.address.street.1: Elmstreet 12

.reg.address.city: Newtown

.reg.address.state: Wales

.reg.address.postalcode: 40201

.reg.address.country: US

.reg.phone: +12.3456789

.reg.fax: +23.4567890

.reg.updated: 2002-11-01T17:00:00.0Z

.reg.created: 2002-11-01T13:00:00.0Z

.reg.nonprofit: yes

.reg.enspay.time: 2002-11-02T09:00:00.0Z

.admin.id: 12345

.admin.name: John Doe

.adminanization: ACME organization

.admin.address.street.1: Elmstreet 12

.admin.address.city: Newtown

.admin.address.state: Wales

.admin.address.postalcode: 40201

.admin.address.country: US

.admin.phone: +12.3456789

.admin.fax: +23.4567890

.admin.email: john.doe@hotmail.com
.admin.updated: 2002-11-01T17:00:00.0Z
.admin.created: 2002-11-01T13:00:00.0Z
.submitter.id: 12345
.submitter.name: John Doe
.submitter.organization: ACME organization
.submitter.address.street.1: Elmstreet 12
.submitter.address.city: Newtown
.submitter.address.state: Wales
.submitter.address.postalcode: 40201
.submitter.address.country: US
.submitter.phone: +12.3456789
.submitter.fax: +23.4567890
.submitter.email: john.doe@hotmail.com
.submitter.updated: 2002-11-01T17:00:00.0Z
.submitter.created: 2002-11-01T13:00:00.0Z
domain.name.1: acme
Response:
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
response.type: ens.auth.create
ens.auth.application.id: A67-
ens.auth.id: E12345-ENSR
ens.auth.key: XVGF65

COMMAND TYPE: create domain advertising

Description:

Starts and schedules an advertising.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.advertising.creat	Identifies the command type for creating an advertising on a domain. Backward compatibility: Key: request-type Value: creates an advertisement for domain
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility:
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.a is specified)	One time password consisting of 3 letters and digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.o is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra

<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction.</i>
<i>registry.id</i>	<i>Optional</i>	<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>domain.name</i>	<i>Required (only if alternative field 'domain.name' is not specified)</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>The name of the domain to modify.</i>
<i>domain.name.i15d</i>	<i>Optional</i>	<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding domain.name</i>
<i>domain.id</i>	<i>Required (only if alternative field 'domain.name' is not specified)</i>	<i>Character string</i>	<i>The registry-assigned id of the domain to modify. If both domain.name and domain.id are given in the request domain.id takes precedence.</i>
<i>advertising.partner</i>	Required	<i>'skenzo' (defaultvalue: skenzo)</i>	<i>The advertising partner to be used to set the domain on advertising.</i>
<i>advertising.start.date</i>	<i>Optional</i>	<i>Date formatted according to one variant of ISO-8601 'yyyy-mm-dd'</i>	<i>The date if the start of an advertising should be scheduled.</i>
<i>advertising.stop.date</i>	<i>Optional</i>	<i>Date formatted according to one variant of ISO-8601 'yyyy-mm-dd'</i>	<i>The date if the end of an advertising should be scheduled.</i>
<i>advertising.hold.period.unit</i>	<i>Optional</i>	<i>'m' 'd' (defaultvalue: d)</i>	<i>The unit of measurement for the object's period (month or days). Only days may be specified.</i>
<i>advertising.hold.period.value</i>	Required	<i>Integer value min. 0 max. 10</i>	<i>The amount of days the domain should put on hold before starting advertising.</i>

				During this period the domain does not resolve. The hold period may last for 0-10 days
<i>contact.replacement</i>	Required	Boolean value ('true' or 'false') (defaultvalue: true)		This must be true to indicate the member's affirmation that the contact data is being replaced when the advertisement is started. The contact data will be restored once again when the advertisement will be stopped. For the registry this field must be false

Response format:

Key	Value type/content	Description
<i>response.type</i>	'domain.advertising.create'	Specifies the response type for starting an advertising.
<i>payload.version</i>	'2.0'	Version of the payload format used in the response.
<i>result.code</i>	Integer value	The overall numeric result code of the command.
<i>result.msg</i>	Character string	The overall result of the command in human-readable form.
<i>transaction.id</i>	Character string	The transaction id specified in the request.
<i>registry.transaction.</i>	Character string	The transaction id assigned by the registry.

Request:

request.type: domain.advertising.create

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

domain.name: domain.com

domain.name.i15d: domain.com

domain.id: domain1-ID

advertising.partner: skenzo

advertising.start.date: 2008-07-13

advertising.stop.date: 2009-03-15

advertising.hold.period.unit: d

advertising.hold.period.value: 2

contact.replacement: true

Response:

response.type: domain.advertising.create

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

COMMAND TYPE: delete domain advertisement

Description:

Stops and schedules the end of an advertising.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.advertising.delete'	Identifies the command type for deleting an advertising on a domain. Backward compatibility: Key request-type Value deletes an advertisement for a domain
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for

				<i>maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>domain.name</i>	<i>Required (only alternative field 'domain.id' is not specified)</i>		<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>The name of the domain to modify.</i>
<i>domain.name.i15d</i>	<i>Optional</i>		<i>Character string min. 1 max. 131 characters (full Unicode charset)</i>	<i>This field contains the presentation form of the corresponding domain.name</i>
<i>domain.id</i>	<i>Required (only alternative field 'domain.name' is not specified)</i>		<i>Character string</i>	<i>The registry-assigned id of the domain to modify. If both domain.name and domain.id are given in the request domain.id takes precedence.</i>
<i>advertising.stop.date</i>	<i>Optional</i>		<i>Date formatted according to one variant of ISO-8601: 'yyyy-mm-dd'</i>	<i>The date if the end of an advertising should be scheduled.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.advertising.delete'</i>	<i>Specifies the response type for deleting an advertising.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>

<i>registry.transaction.</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
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Request:

request.type: domain.advertising.delete

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

domain.name: domain.com

domain.name.i15d: domain.com

domain.id: domain1-ID

advertising.stop.date: 2009-03-15

Response:

response.type: domain.advertising.delete

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

COMMAND TYPE: domain suggestion*Description:**Suggests available domain names based on the given keywords for the tlds .com and .net.*

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Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.suggestion'	Identifies the command type for suggesting domain names. Backward compatibility: Key request-type Value Suggests available domain names based on the given keywords for the tlds .com and .net.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for this transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this

				<i>request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>suggestion.keyword</i>	Required		<i>Character string min. 2 max. 32 characters (full Unicode charset)</i>	<i>The domain name or keyword sequence the search is based on. If the key value has no spaces it is treated as a domain name. To define a keyword which must be part of the suggested domain name use + before a keyword.</i>
<i>suggestion..tlds</i>	<i>Optional</i>		<i>'com' 'net' multiple values may be specified as a comma- or space- separated list value must be unique (defaultvalue: com net)</i>	<i>Tlds to search in default means to search for all possible tlds.</i>
<i>suggestion.language</i>	<i>Optional</i>		<i>'english' 'german' 'spanish' 'portuguese' (defaultvalue: english)</i>	<i>Language to use for searching.</i>
<i>suggestion.filter.basic</i>	<i>Optional</i>		<i>'off' 'low' 'medium' 'high' (defaultvalue: medium)</i>	<i>The basic filter returns suggestions that are built by adding prefixes suffixes and words to the key value(s).</i>
<i>suggestion.filter.related</i>	<i>Optional</i>		<i>'off' 'low' 'medium' 'high'</i>	<i>The related filter allows the search algorithm to interpret the key value(s) semantically and provide results with altered words but similar meaning to</i>

			<i>(defaultvalue: high)</i>	<i>the entered domain name or key values.</i>
<i>suggestion.filter.similar</i>	<i>Optional</i>		<i>'off' 'low' 'medium' 'high' (defaultvalue: medium)</i>	<i>The similar filter leads to results which are similar to the given key but not necessarily in meaning.</i>
<i>suggestion.filter.topical</i>	<i>Optional</i>		<i>'off' 'low' 'medium' 'high' (defaultvalue: medium)</i>	<i>The topical filter allows to determine the extent to which the suggestions should reflect current topics and popular words.</i>
<i>suggestion.filter.content</i>	<i>Optional</i>		<i>Boolean value ('true' or 'false') (defaultvalue: true)</i>	<i>If this value is true then the server will attempt to remove objectionable results from the domain suggestions. Otherwise the result set will remain unfiltered.</i>
<i>suggestion.use.hyphens</i>	<i>Optional</i>		<i>Boolean value ('true' or 'false') (defaultvalue: true)</i>	<i>If this value is false then hyphens shall not appear in the resulting domain suggestions.</i>
<i>suggestion.use.numbers</i>	<i>Optional</i>		<i>Boolean value ('true' or 'false') (defaultvalue: true)</i>	<i>If this value is true the resulting suggestions may include numbers (0-9).</i>
<i>suggestion.name.length</i>	<i>Optional</i>		<i>Integer value min. 1 max. 63 (defaultvalue: 25)</i>	<i>The maximum length the suggested domain name should have.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.suggestion'</i>	<i>Specifies the response type for the domain name suggestion.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>suggestion.<1-∞>.name</i>	<i>Character string min. 1 max. 63 characters (full Unicode charset)</i>	<i>This field contains the available domain name(s) that have been found by the search based on the given key values and regarding the selected filter(s).</i>

Request:

request.type: domain.suggestion
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
suggestion.keyword: domain
suggestion..tlds: com net
suggestion.language: english
suggestion.filter.basic: medium
suggestion.filter.related: high
suggestion.filter.similar: medium
suggestion.filter.topical: medium
suggestion.filter.content: true
suggestion.use.hyphens: true
suggestion.use.numbers: true
suggestion.name.length: 25
Response:
response.type: domain.suggestion
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
suggestion.1.name: my-domain5.com

COMMAND TYPE: inquire domain auction

Description:

Inquires an auction of an object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domainquire'	<i>Identifies the command type for auction inquiry in Pools auctions. Backward compatibility: Key request-type Value inquire auction of ob</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes.</i>

				<i>only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>domain.id</i>	Required		<i>Character string min max. 255 characters</i>	<i>The id assigned to the domain by the registry.</i>
<i>domain.name</i>	Required		<i>Character string min max. 67 characters (full Unicode charsets)</i>	<i>The name of the domain (including top level domain) Character string min. 1 max. 67 characters Backward compatibility: Kc slc</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domainquire'</i>	<i>Specifies the response type for inquiry of an auction.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>domain.name</i>	<i>Character string</i>	<i>The name of the inquired domain.</i>
<i>opendate</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>Date and Time of opening of the auction.</i>
<i>closedate</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-</i>	<i>Date and time of the closure of the auction.</i>

		<i>ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	
<i>extended.closedate</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>Date and time of the extendedclosure of the auction.</i>
<i>bid.last</i>		<i>Integer value</i>	<i>The last bid that has been made by the owner. The shown value is sent as an upper limit to the registry an my differ from the current price.</i>
<i>auction.price</i>		<i>Integer value</i>	<i>The current price of a domain.</i>
<i>leader.alias</i>		<i>Character string</i>	<i>Description to identify a bidder.</i>
<i>leader.contact.id</i>		<i>Character string</i>	<i>The id of the specified contact.</i>
<i>leader.domain.id</i>		<i>Character string min. 5 max. 255 characters</i>	<i>The id assigned to the domain by the registry.</i>

Request:

*request.type: domainquire
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
domain.id: D476319ASIA
domain.name: domain*

Response:

*response.type: domainquire
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
domain.name: domain
opendate: 2007-12-13T00:00:00.OZ
closedate: 2007-12-20T23:59:59.OZ*

extended.closedate: 2007-12-20T23:59:59.OZ

bid.last: 1800

auction.price: 1234

leader.alias: BIDDER_158

leader.contact.id: OPN-C1

leader.domain.id: DOM-123

COMMAND TYPE: history domain auction

Description:

Inquires the history of an auction of an object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'domain.history'	<i>Identifies the command type for auction inquiry in Pools auctions. Backward compatibility: Key request-type Value inquire history of auction of object</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivemember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes.</i>

				<i>only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: K transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>domain.id</i>	Required		<i>Character string min max. 255 characters</i>	<i>The id assigned to the domain by the registry.</i>
<i>domain.name</i>	Required		<i>Character string min max. 67 characters (full Unicode charsets)</i>	<i>The name of the domain (including top level domain) Character string min. 1 max. 67 characters Backward compatibility: K slc</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.history'</i>	<i>Specifies the response type of inquiry of an auction.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>domain.name</i>	<i>Character string</i>	<i>The name of the inquired domain.</i>
<i>opendate</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally. The final 's' denotes the decimal fraction of the second.</i>	<i>Date and Time of opening of the auction.</i>

<i>closedate</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally and the final 's' denotes the decimal fraction of the second.</i>	<i>Date and time of the closure of the auction.</i>
<i>extended.closedate</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally and the final 's' denotes the decimal fraction of the second.</i>	<i>Date and time of the extended closure of the auction.</i>
<i>auction.price</i>	<i>Integer value</i>	<i>The current price of a domain.</i>
<i>leader.alias</i>	<i>Character string</i>	<i>The current leader of the auction.</i>
<i>leader.id</i>	<i>Character string</i>	<i>The id of the specified contact.</i>
<i>leader.domain.id</i>	<i>Character string min. 5 max. 255 characters</i>	<i>The id assigned to the domain by the registry.</i>
<i>history.<1-∞>.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally and the final 's' denotes the decimal fraction of the second.</i>	<i>Date and time of history element.</i>
<i>history.<1-∞>.bidder</i>	<i>Character string</i>	<i>The leader of the auction at historic time.</i>
<i>history.<1-∞>.bidder.id</i>	<i>Character string</i>	<i>The contact id of the historic leader.</i>
<i>history.<1-∞>.bidder.domain.id</i>	<i>Character string min. 5 max. 255 characters</i>	<i>The id assigned to the domain by the registry.</i>
<i>history.<1-∞>.bid.value</i>	<i>Integer value</i>	<i>The historic price of a domain.</i>

Request:

request.type: domain.history
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432

registry.id:
domain.id: D476319ASIA
domain.name: domain
Response:
response.type: domain.history
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
domain.name: domain
opendate: 2007-12-13T00:00:00.OZ
closedate: 2007-12-20T23:59:59.OZ
extended.closedate: 2007-12-20T23:59:59.OZ
auction.price: 1234
leader.alias: BIDDER_242
leader.id: c1362159
leader.domain.id: D476319ASIA
history.1.date: 2007-12-20T23:59:59.OZ
history.1.bidder: BIDDER_154
history.1.bidder.id: c1362159
history.1.bidder.domain.id: D476319ASIA
history.1.bid.value: 500

COMMAND TYPE: create domain auction bid

Description:

Creates a bid for a specified domain in auction.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'domain.bid.create'</i>	<i>Identifies the command type for auction inquiry in Pools auctions. Backward compatibility: Key request-type Value Create a bid for an auc.</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivemember.id</i>	Optional	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes.</i>

				<i>only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required		<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>domain.id</i>	Required		<i>Character string min max. 255 characters</i>	<i>The id assigned to the domain by the registry.</i>
<i>domain.name</i>	Required		<i>Character string min max. 67 characters (full Unicode charsets)</i>	<i>The name of the domain (including top level domain) Character string min. 1 max. 67 characters Backward compatibility: Ks slc</i>
<i>bid.value</i>	<i>Optional</i>		<i>Integer value</i>	<i>The amount of a bid as integer. The shown value is sent as an upper limit to the registry and may differ from the current price.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'domain.bid.create'</i>	<i>Specifies the response type for inquiry of an auction.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>domain.name</i>	<i>Character string</i>	<i>The domain name.</i>

<i>opendate</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.s' 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>Date and Time of opening of the auction.</i>
<i>closedate</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.s' 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>Date and time of the closure of the auction.</i>
<i>extended.closedate</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.s' 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>Date and time of the extended closure of the auction.</i>
<i>auction.price</i>	<i>Integer value</i>	<i>The current price of a domain.</i>
<i>leader.alias</i>	<i>Character string</i>	<i>Description of leading bidder.</i>
<i>leader.contact.id</i>	<i>Character string</i>	<i>The id of the specified contact.</i>
<i>leader.domain.id</i>	<i>Character string min. 5 max. 255 characters</i>	<i>The id assigned to the domain by the registry.</i>
<i>bid.last</i>	<i>Integer value</i>	<i>The last bid that has been made. The shown value is sent as an upper limit the registry and may differ from the current price.</i>

Request:

request.type: domain.bid.create

payload.version: 2.0

transaction otp: jkr321

transaction.atp: tOpSecrEt32

CLLCmber.id: CLLC-123
effectivember.id: CLLC-321
transaction.id: mytrans-35432
registry.id:
domain.id: D476319ASIA
domain.name: domain
bid.value: 1800
Response:
response.type: domain.bid.create
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
domain.name: domain
opendate: 2007-12-13T00:00:00.OZ
closedate: 2007-12-20T23:59:59.OZ
extended.closedate: 2007-12-20T23:59:59.OZ
auction.price: 1234
leader.alias: BIDDER_158
leader.contact.id: OPN-C1
leader.domain.id: DOM-123
bid.last: 1800

COMMAND TYPE: poll request

Description:

Retrieve service messages queued by the server (especially about pending transfer requests). The poll request command either retrieves a specific message or if no message ID is specified the oldest unread message. If the corresponding option is set the message is automatically marked as read. Alternatively this can be accomplished by the poll acknowledge command.

The details about the specific messages are described in the Messages section.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'poll.request'	Identifies the command type for poll requests.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id.

				<i>Backward compatibility: k transaction</i>
<i>msg.id</i>	<i>Optional</i>		<i>Integer value min. 1</i>	<i>Specifies the ID of the requested message. If this field is omitted the oldest unread message is returned.</i>
<i>msg.autoack</i>	<i>Optional</i>		<i>Boolean value ('true' or 'false') (defaultvalue: false)</i>	<i>If set to true the message is automatically marked as read. If false the message must be set to read by an additional poll acknowledge request.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'poll.request'</i>	<i>Specifies the poll response type.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N_i The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are</i>

			<i>supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>
<i>msg.id</i>		<i>Character string</i>	<i>The id of the server message returned during this poll. This id must be specified in the poll acknowledge command (see below) to mark this message as read.</i>
<i>msg.created</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The point of time the message has been created. Note: The messages in the queue are not necessarily sorted by this date (i.e. with increasing ID) as they are created before being queued. Nevertheless they appear in a nearly chronological order.</i>
<i>msg.type</i>		<i>Character string</i>	<i>The type of the message returned during this poll. See the messages section for details about a specific message.</i>

Request:

request.type: poll.request
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
msg.id: 17
msg.autoack: false

Response:

response.type: poll.request
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
account.name: main
accountange: 0
account.newbalance: 10230

msg.id: 12345
msg.created: 2002-04-08T12:57:02.0Z
msg.type: transfer.end

COMMAND TYPE: poll acknowledge

Description:

Confirm that a message has been received via a previous poll request command. It makes the server to mark the message as read.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'poll.acknowledge'	<i>Identifies the command type for poll acknowledgement.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmember.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: Key: transactionid</i>

<i>msg.id</i>	Required	<i>Integer value min. 1</i>	<i>The id of the server message to be acknowledged.</i>
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Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'poll.acknowledge'</i>	<i>Specifies the poll acknowledgement response type.</i>
<i>msg.unread.id</i>	<i>Integer value</i>	<i>The field contains the id of the first (oldest) unread message available (with the message just acknowledged). If all messages have been read zero is returned instead.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. Note: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: poll.acknowledge
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321

transaction.id: mytrans-35432

msg.id: 12345

Response:

response.type: poll.acknowledge

msg.unread.id: 26

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

account.name: main

accountange: 0

account.newbalance: 10230

OMMAND TYPE: poll status*Description:*

Returns information about the messages stored in the system such as the total number of messages stored or the id of the oldest message.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'poll.status'	Identifies the command type for poll status.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility: Key transaction
<i>msg.before</i>	Optional	Date and time	Specifies the upper time boundary for messages

			formatted according one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.	investigated by this command. If omitted no upper boundary will be used. N: As there is no direct relation between the creation date of the messages and their or in the queue it may happen that the result range contains messages with a creation a later than the specified date.
<i>msg.after</i>	<i>Optional</i>		Date and time formatted according one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.	Specifies the lower time boundary for messages investigated by this command. If omitted no lower boundary will be used. N: As there is no direct relation between the creation date of the messages and their or in the queue it may happen that the result range contains messages with a creation a earlier than the specified date.

Response format:

Key	Value type/content	Description
<i>response.type</i>	'poll.status'	Specifies the poll acknowledgement response type.
<i>payload.version</i>	'2.0'	Version of the payload format used in the response.
<i>result.code</i>	Integer value	The overall numeric result code of the command.
<i>result.msg</i>	Character string	The overall result of the command in human-readable form.
<i>transaction.id</i>	Character string	The transaction id specified in the request.
<i>msg.first.id</i>	Integer value	The field contains the id of the first (oldest) message available (in the given boundary if specified). If there are no messages at all zero is returned instead.
<i>msg.unread.id</i>	Integer value	The field contains the id of the first (oldest) unread message available (in the given boundary if specified). If there are no unread messages at all zero is returned instead.

			given boundary if specified). If all messages have been read zero is returned instead.
<i>msg.last.id</i>	<i>Integer value</i>		The field contains the id of the last (newest) message available (in the given boundary if specified). If there are no messages at all zero is returned instead.
<i>account.name</i>	<i>'main'</i>		The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).
<i>accountange</i>	<i>Floating point value</i>		The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.
<i>account.newbalance</i>	<i>Floating point value</i>		The amount of currency units present on the account after completion of the command.
<i>result.<1-∞>.code</i>	<i>Integer value</i>		Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.
<i>result.<1-∞>.msg</i>	<i>Character string</i>		The specific result of the command in human-readable form.
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>		The field value from the request which caused the corresponding result.
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>		The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.

Request:

request.type: poll.status

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CCLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

msg.before: 2002-03-01T12:00:00.0Z

msg.after: 2002-03-31T12:00:00.0Z

Response:

response.type: poll.status

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432
msg.first.id: 23
msg.unread.id: 26
msg.last.id: 39
account.name: main
accountange: 0
account.newbalance: 10230

Command Type: query

Description:

Query information about previously submitted or completed commands.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'query'	Identifies the query command type. Backward compatibility: Key request-i Value query
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for

			<i>maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility: k transaction</i>
<i>command.status</i>	Required	<i>'pending' 'completed'</i>	<i>Specifies the status of the inquired commands. Only commands with the given status will be returned. Backward compatibility: k request-s</i>
<i>command.completion.before</i>	Optional	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ' 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>Specifies the upper time boundary for returned completed commands. Backward compatibility: k completed-be;</i>
<i>command.completion.since</i>	Optional	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ' 'T' and 'Z' have to be specified</i>	<i>Specifies the lower time boundary for returned completed commands. Backward compatibility: k completed-si</i>

			<i>literally the final 's' denotes the decimal fraction the second.</i>	
<i>command.submission.before</i>	<i>Optional</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ' 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction the second.</i>	<i>Specifies the upper time boundary for returned submitted commands. Backward compatibility: k submitted-bej</i>
<i>command.submission.since</i>	<i>Optional</i>		<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ' 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction the second.</i>	<i>Specifies the lower time boundary for returned submitted commands. Backward compatibility: k submitted-si</i>

Response format:

Key	Value type/content	Description
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<i>response.type</i>	<i>'query'</i>	<i>Specifies the query response type.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>command.<1-∞>.transaction.id</i>	<i>Character string</i>	<i>The CCLLC member's transaction id of a command matching the request criteria.</i>
<i>command.count.total</i>	<i>Integer value</i>	<i>The total number of matching commands.</i>
<i>command.count.reported</i>	<i>Integer value</i>	<i>The number of command transaction ids reported in this response. This may be less than the total number of matching commands (see above) in order to limit the response length.</i>
<i>account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charged with this command (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the command. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after completion of the command.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N. The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: query
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
command.status: pending
command.completion.before: 2003-05-17T22:00:00.0Z
command.completion.since: 2003-04-17T22:00:00.0Z
command.submission.before: 2003-05-17T22:00:00.0Z
command.submission.since: 2003-04-17T22:00:00.0Z
Response:
response.type: query
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
command.1.transaction.id: tr1234346
command.count.total: 1
command.count.reported: 1
account.name: main
accountange: 0
account.newbalance: 10230

Command Type: status

Description:

Inquire the result of a previously submitted command.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	<i>'status'</i>	<i>Identifies the status command type. Backward compatibility: Key request-1 Value status</i>
<i>payload.version</i>	Required	<i>'2.0'</i>	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: k registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's internal transaction id that was given on submission of the inquired command.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'status'</i>	<i>Specifies the status response type.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N_i The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: status
payload.version: 2.0
transaction otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432

Response:

response.type: status
payload.version: 2.0
result.code: 23103
result.msg: Transaction id not found

Command Type: composite

Description:

Allows the composition of multiple subrequest to a single request. Results from one subrequest can be pasted into the request fields of other subrequests.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'composite'	<i>Identifies the composite command type. Backward compatibility: Key request-_i Value status</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction</i>

Command Type: create user

Description:

Create a new TelHosting user object.

User objects are used when creating or modifying domains and zones within the TelHosting system for an end-user.

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Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'user.create'	Identifies the command type for user creation.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for this transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id. Backward compatibility:

				<i>k</i>	<i>transaction.</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>		<i>Id of the involved registry.</i>
<i>.th.user.name</i>	Required				<i>Specifies the name of the user to create (case-insensitive).</i>
<i>.th.stance</i>	<i>Optional</i>		<i>Character string min. 1 max. 32 characters</i>		<i>Specifies the TelHosting system (possibly including the partition) to use. If this field is omitted the member's default TelHosting system is used.</i>
<i>.th.user.permissions</i>	Required		<i>Character string min. 1 max. 255 characters</i>		<i>Specifies the name of the permission set to use for the user.</i>
<i>.th.user.email</i>	Required		<i>Character string representing a valid e-mail address min. 1 max. 255 characters</i>		<i>Specifies the e-mail address of the user.</i>
<i>.th.user.password</i>	<i>Optional</i>		<i>Character string min. 6 max. 32 characters patte (regular expression): '^[\x21-\x7E]+&</i>		<i>Specifies the password of the user. May only contain letters and digits has to start with a letter and must have 6 to 32 characters. If not set the system will generate a password and send a notification e-mail to the given e-mail address; the generated password is returned in the response in this case.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'user.create'</i>	<i>Specifies the response type for user creation.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character</i>	<i>The transaction id assigned by the registry.</i>

		<i>string</i>	
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N_i The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: user.create

payload.version: 2.0

transaction.otp: jkr321

transaction.atp: tOpSecrEt32

CLLLCmber.id: CCLLC-123

effectivember.id: CCLLC-321

transaction.id: mytrans-35432

registry.id:

.th.user.name: johndoe

.th.stance: myPartition

.th.user.permissions: default-primary

.th.user.email: test@example.com

.th.user.password: adgj246

Response:

response.type: user.create

payload.version: 2.0

result.code: 10000

result.msg: Command completed successfully

transaction.id: mytrans-35432

registry.transaction.id: tr493324

Command Type: modify user

Description:

Modify a TelHosting user object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'user.modify'	Identifies the command type for user modification.
<i>payload.version</i>	Required	'2.0'	Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)
<i>transaction.otp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)	One time password consisting of 3 letters and 3 digits	The one time password (taken from one of the CCLLC member's active otp lists) to be used for the transaction.
<i>transaction.atp</i>	Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)	Character string	The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.
<i>CCLLCmber.id</i>	Required	Character string	Id of the requesting CCLLC member. Backward compatibility: Key: registra
<i>effectivember.id</i>	Optional	Character string	Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.
<i>transaction.id</i>	Required	Character string	The CCLLC member's arbitrary internal transaction id.

				<i>Backward compatibility: k transaction.</i>
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>.th.user.name</i>	Required		<i>Character string min. 6 max. 32 character pattern (regular expression): '^[\x21\x7E]+\$',</i>	<i>Specifies the name of the user (case-insensitive).</i>
<i>.th.user.newname</i>	<i>Optional</i>		<i>Character string min. 6 max. 32 character pattern (regular expression): '^[\x21\x7E]+\$',</i>	<i>Specifies the new name of the user.</i>
<i>.th.stance</i>	<i>Optional</i>		<i>Character string min. 1 max. 32 character pattern (regular expression): '^[\x21\x7E]+\$',</i>	<i>Specifies the TelHosting system (possibly including the partition) to use. If this field is omitted the user TelHosting system reference is used.</i>
<i>.th.user.permission</i>	<i>Optional</i>		<i>Character string min. 1 max. 255 character pattern (regular expression): '^[\x21\x7E]+\$',</i>	<i>Specifies the name of the permission set to use for the user.</i>
<i>.th.user.email</i>	<i>Optional</i>		<i>Character string representing a valid mail address min. 1 max. 255 characters.</i>	<i>Specifies the e-mail address of the user.</i>
<i>.th.user.password</i>	<i>Optional</i>		<i>Character string min. 6 max. 32 character pattern (regular expression): '^[\x21\x7E]+\$',</i>	<i>Specifies the password of the user. May only contain letters and digits has to start with a letter and must have 6 to 32 characters.</i>

Response format:

Key	Value type/content	Description
<i>response.type</i>	<i>'user.modify'</i>	<i>Specifies the response type for user modification.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character</i>	<i>The transaction id specified in the request.</i>

		<i>string</i>	
<i>registry.transaction.id</i>		<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>result.<1-∞>.code</i>		<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>		<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>		<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>		<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: user.modify
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CLLLCmber.id: CLLLC-123
effectivember.id: CLLLC-321
transaction.id: mytrans-35432
registry.id:

.th.user.name: johndoe
.th.user.newname: johndough
.th.stance: myPartition
.th.user.permissions: default-primary
.th.user.email: test@example.com
.th.user.password: adgj246

Response:

response.type: user.modify
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324

COMMAND TYPE: inquire user*Description:**Inquire information about a TelHosting user object.**Request format:*

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'userquire'	<i>Identifies the command type for user inquiry.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key payload-version Value 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via e-mail else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal transaction id. Backward compatibility:</i>

				<i>k</i> transaction
<i>registry.id</i>	<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>.th.user.name</i>	<i>Required</i>		<i>Character string min max. 32 characters pattern (regular expression): '^[\x21-\x7E]+\$',</i>	<i>Specifies the name of the user (case-insensitive).</i>
<i>.thstance</i>	<i>Optional</i>		<i>Character string min max. 32 characters</i>	<i>Specifies the TelHosting system (possibly including the partition) to use. If this field is omitted the user's TelHosting system reference is used.</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	<i>'userquire'</i>	<i>Specifies the response type for user inquiry.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>.th.user.name</i>	<i>Character string</i>	<i>The name of the user associated with this domain (case-insensitive).</i>
<i>.thstance</i>	<i>Character string</i>	<i>The TelHosting system (possibly including the partition) to which the user belongs.</i>
<i>.th.user.permissions</i>	<i>Character string</i>	<i>Specifies the name of the permission set used for the user.</i>
<i>.th.user.email</i>	<i>Character string representing a valid e-mail address min. max. 255 characters</i>	<i>The e-mail address of the user.</i>
<i>.th.user.domain.<1-∞>.name</i>	<i>Character string</i>	<i>The name of a domain associated with the user within the TelHosting system.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N: The keys are not supplied for errors found by the EPP regist</i>

			<i>server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>
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Request:

*request.type: userquire
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CCLLCmber.id: CCLLC-123
effectivember.id: CCLLC-321
transaction.id: mytrans-35432
registry.id:
.th.user.name: johndoe
.thstance: myPartition*

Response:

*response.type: userquire
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324
.th.user.name: johndoe
.thstance: myPartition
.th.user.permissions: default-primary
.th.user.email: test@example.com
.th.user.domain.1.name: domain*

Command Type: delete user

Description:

Delete a TelHosting user object.

Request format:

Key	Occurrence	Value type/content	Description
<i>request.type</i>	Required	'user.delete'	<i>Identifies the command type for user deletion.</i>
<i>payload.version</i>	Required	'2.0'	<i>Version of the payload format used in the request. Backward compatibility: Key: payload-version Value: 1.0 (may be used to activate compatibility mode)</i>
<i>transaction.otp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.atp' is specified)</i>	<i>One time password consisting of 3 letters and 3 digits</i>	<i>The one time password (taken from one of the CCLLC member's active otp lists) to be used for this transaction.</i>
<i>transaction.atp</i>	<i>Required only for commands sent via email else optional (may be omitted if alternative field 'transaction.otp' is specified)</i>	<i>Character string</i>	<i>The 'any time' password (specified by the CCLLC member using the web interface) to be used for the transaction.</i>
<i>CCLLCmber.id</i>	Required	<i>Character string</i>	<i>Id of the requesting CCLLC member. Backward compatibility: Key: registra</i>
<i>effectivember.id</i>	<i>Optional</i>	<i>Character string</i>	<i>Id of the CCLLC member behalf of which this request is processed on. This field is for maintenance purposes only and is not allowed for normal CCLLC members.</i>
<i>transaction.id</i>	Required	<i>Character string</i>	<i>The CCLLC member's arbitrary internal</i>

					<i>transaction id.</i> <i>Backward compatibility:</i> <i>k transaction</i>
<i>registry.id</i>		<i>Optional</i>		<i>DotShop</i>	<i>Id of the involved registry.</i>
<i>.th.user.name</i>		<i>Required</i>		<i>Character string minimum 6 max. 32 characters pattern (regular expression): '^[\x21-\x7E]+\$',</i>	<i>Specifies the name of the user (case-insensitive)</i>
<i>.th.stance</i>		<i>Optional</i>		<i>Character string minimum 1 max. 32 characters</i>	<i>Specifies the TelHosting system (possibly including the partition) to use. If this field is omitted the user's TelHosting system reference used.</i>

Response format:

<i>Key</i>	<i>Value type/content</i>	<i>Description</i>
<i>response.type</i>	<i>'user.delete'</i>	<i>Specifies the response type for user deletion.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the response.</i>
<i>result.code</i>	<i>Integer value</i>	<i>The overall numeric result code of the command.</i>
<i>result.msg</i>	<i>Character string</i>	<i>The overall result of the command in human-readable form.</i>
<i>transaction.id</i>	<i>Character string</i>	<i>The transaction id specified in the request.</i>
<i>registry.transaction.id</i>	<i>Character string</i>	<i>The transaction id assigned by the registry.</i>
<i>result.<1-∞>.code</i>	<i>Integer value</i>	<i>Numeric code of a specific result of the command (one command may have more than one result). Only present in case of command failure.</i>
<i>result.<1-∞>.msg</i>	<i>Character string</i>	<i>The specific result of the command in human-readable form.</i>
<i>result.<1-∞>.error.<1-∞></i>	<i>Character string</i>	<i>The field value from the request which caused the corresponding result.</i>
<i>result.<1-∞>.key.<1-∞></i>	<i>Character string</i>	<i>The field (key) from the request which caused the corresponding result. N_i The keys are not supplied for errors found by the EPP registry server because EPP does not provide them — only the offending values are supplied in this case. Offending keys are only supplied for errors detected by the gateway frontend.</i>

Request:

request.type: user.delete
payload.version: 2.0
transaction.otp: jkr321
transaction.atp: tOpSecrEt32
CLLCmber.id: CLLC-123
effectivember.id: CLLC-321
transaction.id: mytrans-35432
registry.id:
.th.user.name: johndoe
.thstance: myPartition

Response:

response.type: user.delete
payload.version: 2.0
result.code: 10000
result.msg: Command completed successfully
transaction.id: mytrans-35432
registry.transaction.id: tr493324

Result codes

Code	Message	Description
100	Command completed successfully	This is the nominal response code for a successfully completed command.
101	Command accepted	The command has been accepted but requires a longer time to process or depends on future decisions not known yet. After completion a poll message will be added to the member's message queue that informs about the outcome. As an example this code may be returned as the result of a <i>domain.transfer.reply</i> command. The ICANN transfer policy allows the registrant of a domain to reject an outgoing transfer even if the registrar (in this case the CLLC member) approves it. Therefore the Gateway can't directly approve an outgoing transfer at the registry after the CLLC member has indicated approval via a <i>domain.transfer.reply</i> command. It has to wait until the registrant's decision has been issued at which time it knows whether the member's approval was ultimately successful (if the registrant approves too) or not (if the registrant rejects). In either case a corresponding poll message is added to the member's poll message queue.
130	Command completed	This response code is returned if responding to a poll command and the server message queue

		<i>successfully; no messages</i>	<i>is empty.</i>
200		<i>Unknown command</i>	<i>This response code is returned if the server receives an unknown command.</i>
200		<i>Command syntax error</i>	<i>This response code is returned if the server receives an improperly formed command.</i>
200		<i>Command use error</i>	<i>This response code is returned if the server receives a properly formed command but the command can not be executed due to a sequencing or context error. For example a poll acknowledge command can not be executed without having first issued a poll request command.</i>
200		<i>Required parameter missing</i>	<i>This response code is returned if the server receives a command for which a required field has not been provided.</i>
200		<i>Parameter value range error</i>	<i>This response code is returned if the server receives a command parameter whose value is outside the range of values specified by the protocol.</i>
200		<i>Parameter value syntax error</i>	<i>This response code is returned if the server receives a command containing a parameter whose value is improperly formed.</i>
201		<i>Payload specification violation</i>	<i>This response code is returned if the server receives a command which violates the payload specification. Check the subresults for details.</i>
201		<i>Field invalid</i>	<i>This response code is returned if the server receives a command containing a field which is either unknown or misplaced i.e. not valid for the given command type.</i>
201		<i>Illegal whitespace</i>	<i>This response code is returned if a field contains whitespace at the end of the line which is a violation of the payload specification.</i>
201		<i>Command not executed</i>	<i>The subrequest has not been executed.</i>
201		<i>Command executed partially</i>	<i>This code is returned in the case that at least one of the subrequests had an error or was not executed at all.</i>
201		<i>Parameter value conflict</i>	<i>This response code is returned if two or more command parameters are conflicting with each other e.g. if the name of the domain belonging to a given domain id does not match the domain name additionally given in the request.</i>
210		<i>Unimplemented protocol version</i>	<i>This response code is returned if the server receives a command specifying a protocol/payload version that is not implemented by the server.</i>
210		<i>Unimplemented command</i>	<i>This response code is returned if the server receives a valid command that is not implemented by the server.</i>
210		<i>Unimplemented option</i>	<i>This response code MUST be returned when a server receives a valid EPP command element that contains a protocol option that is not implemented by the server. For example a server MAY not implement the protocol's session-less operating mode.</i>
210		<i>Billing failure</i>	<i>This response code is returned if the server attempts to execute a billable operation and the command can not be completed due to a client billing failure.</i>
211		<i>Registry unsupported</i>	<i>This response code is returned if a client attempts to access a registry that is not (or not yet) supported by the server.</i>

210	<i>Object is not eligible for renewal</i>	<i>This response code MUST be returned when a client attempts to 'renew' an object that is not eligible for renewal in accordance with server policy.</i>
210	<i>Object is not eligible for transfer</i>	<i>This response code is be returned when a client attempts to transfer an object that is not eligible for transfer in accordance with server policy e.g. an object that is already owned by the client.</i>
211	<i>Insufficient funds</i>	<i>This response code is returned if the server attempts to execute a billable operation and the command can not be completed due to the CCLLC member's insufficient funds.</i>
220	<i>Authentication error</i>	<i>This response code is returned if the server notes an error while validating client credentials (e.g. a one time password or a PGP signature).</i>
220	<i>Authorization error</i>	<i>This response code is returned if the server notes a client authorization error while executing command. This error is used to note that a client lacks privileges to execute the requested command.</i>
220	<i>Invalid authorization information</i>	<i>This response code is returned if the server receives invalid command authorization information required to confirm authorization to execute a command. This error is used to note that a client has the privileges required to execute the requested command but the authorization information provided by the client does not match the authorization information archived by the server.</i>
230	<i>Object pending transfer</i>	<i>This response code is returned if the server receives a command to transfer an object that is pending transfer due to an earlier transfer request.</i>
230	<i>Object not pending transfer</i>	<i>This response code is returned if the server receives a command to confirm reject or cancel transfer an object and no command has been made to transfer the object.</i>
230	<i>Object exists</i>	<i>This response code is returned if the server receives a command to create an object that already exists in the repository.</i>
230	<i>Object does not exist</i>	<i>This response code is returned if the server receives a command to query or transform an object that does not exist in the repository.</i>
230	<i>Object status prohibits operation</i>	<i>This response code is returned if the server receives a command to transform an object that cannot be completed due to server policy or business practices.</i>
230	<i>Object association prohibits operation</i>	<i>This response code is returned if the server receives a command to transform an object that can not be completed due to dependencies on other objects that are associated with the target object. For example a server may disallow delete commands while an object has active associations with other objects.</i>
230	<i>Parameter value policy error</i>	<i>This response code is returned if the server receives a command containing a parameter value that is syntactically valid but semantically invalid due to local policy.</i>
230	<i>Unimplemented object service</i>	<i>This response code is returned if the server receives a command to operate on an object service that is not supported by the server.</i>
230	<i>Data management policy violation</i>	<i>This response code is returned if a server receives a command whose execution results in a violation of server data management policies. For example removing all attribute values or</i>

			<i>object associations from an object may be a violation of the server's data management policies.</i>
231	<i>Transaction id not found</i>		<i>This response code is returned if the transaction id given in a status command is unknown to the server i.e. cannot be associated with a previously submitted command.</i>
231	<i>Transaction id ambiguous</i>		<i>This response code is returned if the transaction id given in a status command is ambiguous i.e. it was used in more than one previously submitted command.</i>
231	<i>Command unprocessed</i>		<i>This response code is returned if the command specified by the transaction id given in a status command has not yet been processed by the server.</i>
231	<i>Object name ambiguous</i>		<i>This response code is returned if the name of an object given in a request is ambiguous i.e. multiple objects with the same name exist. In this case use the unique object id instead.</i>
240	<i>Command failed</i>		<i>This response code is returned if the server is unable to execute a command due to an internal server error that is not related to the protocol. The failure may be transient.</i>
241	<i>Registry unreachable</i>		<i>This response code is returned if the server of a registry involved in processing a command is unreachable or not responding.</i>
241	<i>Registry communication error</i>		<i>This response code is returned if an error occurs during a running communication with the server of the involved registry.</i>
250	<i>Command failed; server ending session</i>		<i>This response code is returned if the server receives a command that can not be completed due to an internal server error that is not related to the protocol. The failure is not transient and will cause other commands to fail as well.</i>
250	<i>Timeout; server ending session</i>		<i>This response code is returned if the server receives a command that can not be completed due to a connection-oriented timeout.</i>
250	<i>Session limit exceeded; server closing connection</i>		<i>This response code is returned if the server receives a command and the command can not be completed because the client has exceeded a system-defined limit on the number of sessions/connections that the client can establish. It may be possible to establish a session by ending existing unused sessions/connections.</i>
251	<i>Server shutting down; closing connection</i>		<i>This response is returned if the server is in the process of shutting down for maintenance purposes.</i>

Messages

COMMAND TYPE: start transfer*Description:*

This message notifies about the start of a domain transfer i.e. another registrar or CLLC member has requested a domain transfer.

Response format (in addition to the fields returned by the poll command itself):

Key	Value type/content	Description
<i>msg.type</i>	<i>'transfer.start'</i>	<i>The type of the message returned.</i>
<i>msg.registry.id</i>		<i>The id of the registry which is concerned by the message returned during this poll e.g. the registry transferred domain is associated with.:</i>
<i>msg.domain.name</i>	<i>Character string</i>	<i>The name of the domain for which a transfer has been initiated or ended.</i> <i>If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.</i>
<i>msg.domain.name.i15d</i>	<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the domain name.</i>
<i>msg.transfer.role</i>	<i>'gaining' 'losing'</i>	<i>Specifies the role of the member receiving this message during the transfer. gaining means: this message informs the member about an incoming transfer (the member is the gaining participant of the transfer). losing means: this message informs the member about an outgoing transfer (the member is the losing participant of the transfer).</i>
<i>msg.gaining.client.id</i>	<i>Character string</i>	<i>The client id of the registrar that requested the transfer.</i>
<i>msg.gaining.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the CLLC member that requested the transfer (if the transfer is requested by a CLLC member).</i>
<i>msg.losing.client.id</i>	<i>Character string</i>	<i>The client id of the registrar that loses the transferred object.</i>
<i>msg.losing.CLLCmber.id</i>	<i>Character string</i>	<i>Id of the CLLC member that loses the transferred object (if the object is owned by a CLLC member before the transfer).</i>

<i>msg.transfer.request.date</i>	<i>Date and time formatted according to a variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date and time when the transfer was requested</i>
<i>msg.transfer.completion.date</i>	<i>Date and time formatted according to a variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>If the transfer request is pending the value identifies the date and time by which a response by the losing registrar is required before an automated response action is taken by the server. Else the value identifies the date and time when the transfer was completed. The automated response action (e.g. auto-approve/auto-reject) depends on registry policy.</i>
<i>msg.account.name</i>	<i>'main'</i>	<i>The name of the CCLLC member's account charge according to the action described in this message (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>msg.accountange</i>	<i>Floating point value</i>	<i>The change (in currency units) of the account according to the action described in this message. positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>msg.account.newbalance</i>	<i>Floating point value</i>	<i>The amount of currency units present on the account after the action described in the message.</i>

Response:

msg.type: transfer.start

msg.registry.id:

msg.domain.name: domain

msg.domain.name.i15d: domain.com

msg.transfer.role: losing

msg.gaining.client.id: clnt24-ID

msg.gaining.CLLCmber.id: CCLLC-124

msg.losing.client.id: clnt23-ID

msg.losing.CLLCmber.id: CCLLC-123

msg.transfer.request.date: 2001-03-17T21:23:00.0Z

msg.transfer.completion.date: 2001-03-23T21:23:00.0Z

msg.account.name: main
msg.accountange: 0
msg.account.newbalance: 10230

COMMAND TYPE: stop transfer*Description:*

This message denotes the end of a domain transfer either by approval rejection or cancellation. Each message type may have additional fields attached see below.

Response format (in addition to the fields returned by the poll command itself):

Key	Value type/content	Description
<i>msg.type</i>	<i>'transfer.end'</i>	<i>The type of the message returned.</i>
<i>msg.registry.id</i>		<i>The id of the registry which is concerned by the message returned during this poll e.g. the registry a transferred domain is associated with.:</i>
<i>msg.domain.name</i>	<i>Character string</i>	<i>The name of the domain for which a transfer has been initiated or ended.</i> <i>If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.</i>
<i>msg.domain.name.i15d</i>	<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the domain name.</i>
<i>msg.transfer.role</i>	<i>'gaining' 'losing'</i>	<i>Specifies the role of the member receiving this message during the transfer. gaining means: this message informs the member about an incoming transfer (the member is the gaining participant of the transfer). losing means: this message informs the member about an outgoing transfer (the member is the losing participant of the transfer).</i>
<i>msg.transfer.done</i>	<i>Boolean value ('true' or 'false')</i>	<i>Specifies whether the domain has been successful transferred (true) or not (false).</i>
<i>msg.transfer.actor</i>	<i>'gaining' 'losing' 'auto'</i>	<i>Specifies who caused the end of the transfer. gaining means: gaining registrar cancelled the</i>

			<p><i>transfer (msg.transfer.done is always false in this case). losing means: losing registrar approved the transfer (msg.transfer.done is true) or rejected it (msg.transfer.done is false). auto means: the registry ended the transfer by auto-approve (msg.transfer.done is true) or auto-reject (msg.transfer.done is false); the possible cases depend on registry policy.</i></p>
<i>msg.domain.expiration.date</i>		<p><i>Date and time formatted according to one variant of the extended date time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i></p>	<p><i>For a successful transfer this specifies the expiration date of the transferred domain after the transfer.</i></p>
<i>msg.transfer.reply.reason</i>		<p><i>'pending' 'policy' 'admin-denied' 'registrar-denied' 'fraud' 'udrp-action' 'court-order' 'identity' 'payment' 'objection' 'lock' 'creation-date' 'transfer-date'</i></p>	<p><i>If the transfer was rejected this field - if present - provides one of the following tokens to specify the denial reason (this field is only present if this information is made available by the involved registry):</i></p> <p><i>pending: A transfer is already pending for the involved domain/e-mail address.</i></p> <p><i>policy: Due to registry policy the domain/e-mail address is currently not eligible for transfer. Some registries e.g. do not allow the transfer of domains shortly after their creation.</i></p> <p><i>admin-denied: The current administrative contact denied the transfer.</i></p> <p><i>registrar-denied: The current registrar contact denied the transfer.</i></p> <p><i>fraud: Evidence of fraud</i></p> <p><i>udrp-action: UDRP action</i></p> <p><i>court-order: Court order by a court of competent jurisdiction</i></p> <p><i>identity: Reasonable dispute over the identity of the Registered Name Holder or Administrative Contact</i></p>

			<p><i>payment: No payment for previous registration period (including credit card charge-backs) if the domain/e-mail is past its expiration date or for previous or current registration periods if the domain/e-mail has not yet expired. In all such cases, however the domain/e-mail must be put into 'Registrar Hold' status by the Registrar of Record prior to the denial of transfer.</i></p> <p><i>objection: Express written objection to the transfer from the Transfer Contact. (e.g. - email fax paper document or other processes by which the Transfer Contact has expressly and voluntarily objected through opt-in means)</i></p> <p><i>lock: A domain/e-mail was already in 'lock status' provided that the Registrar provides a readily accessible and reasonable means for the Registered Name Holder to remove the lock status.</i></p> <p><i>creationdate: A domain/e-mail is in the first 60 days of an initial registration period.</i></p> <p><i>transferdate: A domain/e-mail is within 60 days (or a lesser period to be determined) after being transferred (apart from being transferred back to the original Registrar in cases where both Registrars so agree and/or where a decision in a dispute resolution process so directs).</i></p>
<i>msg.transfer.reply.comment</i>		<i>Character string (full Unicode charset)</i>	<i>If the transfer was rejected this field - if present - contains a free text comment explaining the denial.</i>
<i>msg.transfer.result.code</i>		<i>Integer value</i>	<i>If an incoming transfer was rejected this field - if present - contains a result code indicating the reason for the failure e.g. an invalid authinfo.</i>
<i>msg.transfer.result.msg</i>		<i>Character string</i>	<i>If an incoming transfer was rejected this field - if present - contains a result message indicating the reason for the failure e.g. an invalid authinfo.</i>

			<i>present - contains the indication of the reason for the rejection in a human-readable form.</i>
<i>msg.transfer.result.error.<1-∞></i>		<i>Character string</i>	<i>If an incoming transfer was rejected this field - if present - contains an offending value (field content) from the original transfer request that caused the rejection.</i>
<i>msg.transfer.result.key.<1-∞></i>		<i>Character string</i>	<i>If an incoming transfer was rejected this field - if present - contains an offending key (field name) from the original transfer request that caused the rejection.</i>
<i>msg.account.name</i>		<i>'main'</i>	<i>The name of the CCLLC member's account charged according to the action described in this message (this will always be main until multiple accounts per CCLLC member are introduced).</i>
<i>msg.accountange</i>		<i>Floating point value</i>	<i>The change (in currency units) of the account according to the action described in this message. A positive number indicates an increase of the balance while a negative number indicates a decrease.</i>
<i>msg.account.newbalance</i>		<i>Floating point value</i>	<i>The amount of currency units present on the account after the action described in the message.</i>

Response:

msg.type: transfer.end
msg.registry.id:
msg.domain.name: domain
msg.domain.name.i15d: domain.com
msg.transfer.role: losing
msg.transfer.done: true
msg.transfer.actor: losing
msg.domain.exation.date: 2003-05-17T22:00:00.0Z
msg.transfer.reply.reason: courtorder
msg.transfer.reply.comment: Transfer rejected due to court order #123.
msg.transfer.result.code: 22002
msg.transfer.result.msg: Invalid authorization information
msg.transfer.result.error.1: my-wrong-authinfo
msg.transfer.result.key.1: domain.authinfo

msg.account.name: main
msg.accountange: 0
msg.account.newbalance: 10230

COMMAND TYPE: transfer replied by transfer contact*Description:*

This message is used to indicate that one of the transfer contacts (i.e. the registrant or the admin of a domain) involved in an FOA based transfer has issued its decision concerning an incoming or outgoing transfer as a response to the FOA. This message type only occurs for registries that are subject to ICANN's transfer policy and the related FOA procedures. Note that the message only represents an individual decision of one involved transfer contact and thus merely provides an intermediate result; the eventual outcome of the transfer usually still depends on other decisions e.g. by other transfer contacts or the losing registrar. Also note that messages of this type are only created for explicit decisions; no messages are provided for implicit decisions that result from 5-day timeouts or similar auto-ack/nack mechanisms.

..

Response format (in addition to the fields returned by the poll command itself):

Key	Value type/content	Description
<i>msg.type</i>	<i>'transfer.contact.reply'</i>	<i>The type of the message returned.</i>
<i>msg.registry.id</i>		<i>The id of the registry which is concerned by the message returned during this poll e.g. the registry a transferred domain is associated with.:</i>
<i>msg.domain.name</i>	<i>Character string</i>	<i>The name of the domain involved in the transfer the message relates to. If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.</i>
<i>msg.domain.name.i15d</i>	<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the domain name.</i>
<i>msg.transfer.role</i>	<i>'gaining' 'losing'</i>	<i>Specifies the role of the member receiving this message during the transfer. gaining means: this message informs the member about an incoming transfer (the member is the gaining participant of the transfer). losing means: this message informs the member about an outgoing transfer (the member is the losing participant of the transfer).</i>
<i>msg.transfer.contact.actor</i>	<i>'registrant' 'admin'</i>	<i>Specifies the transfer contact that has issued his decision (as a response to the FOA).</i>
<i>msg.transfer.contact.reply</i>	<i>'approve' 'reject'</i>	<i>Specifies the decision issued by the acting transfer contact i.e. whether the contact approved or rejected the transfer.</i>
<i>msg.transfer.decision</i>	<i>'approve' 'reject' 'undecided'</i>	<i>Specifies the overall transfer decision that results from this transfer contact's decision i.e. the overall decision concerning the transfer's progress. Note that despite the given decision the entire transfer may</i>

		<i>still be undecided e.g. if an outgoing transfer was merely approved by the admin contact but has yet no approval from the member. Also note that for an incoming transfer this field only specifies the decision concerning the start of the transfer at the registry; as usual the final outcome will depend on other factors most notably on the losing registrar's response.</i>
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Response:

msg.type: transfer.contact.reply

msg.registry.id:

msg.domain.name: domain

msg.domain.name.i15d: domain.com

msg.transfer.role: losing

msg.transfer.contact.actor: admin

msg.transfer.contact.reply: approve

msg.transfer.decision: undecided

COMMAND TYPE: registrant verification state change*Description:*

This message is sent if the registrant's verification changes. This may happen during the registration of a domain where the mentioned contact has been used as a registrant for the first time. It may also happen if the registry reviews the contact and determines the the contact's state is incorrect. In the case that the state is set to refused all domains that have this contact used as the registrant contact are deleted automatically by the registry.

..

Response format (in addition to the fields returned by the poll command itself):

Key	Value type/content	Description
<i>msg.type</i>	<i>'contact.verificationange'</i>	<i>The type of the message returned.</i>
<i>msg.registry.id</i>		<i>The id of the registry which is concerned by the message returned during this poll e.g. the registry a transferred domain is associated with.:</i>
<i>msg.contact.id</i>	<i>Character string</i>	<i>The ID of the contact this message refers to.</i>
<i>msg.contact.verification.state</i>	<i>'verified' 'pendingVerification' 'ableToAppeal' 'underInvestigation' 'refused'</i>	<i>The registrant's new verification state.</i>

Response:

msg.type: contact.verificationange

msg.registry.id:

msg.contact.id: COR4543

msg.contact.verification.state: verified

COMMAND TYPE: pending domain creation result*Description:*

This message is sent when a pending domain name creation process (which could not be completed synchronously due to pending authorization by eligible sponsor contacts) has finished. The message informs the registrar about the outcome of the process. This message will also occur if a queued domain creation (e.g. during the landrush) has finished and will inform the member about the final outcome of his queued domain creation. This message will also occur to inform the member about the final outcome of his domain application during sunrise (e.g. for).

..
Response format (in addition to the fields returned by the poll command itself):

Key	Value type/content	Description
<i>msg.type</i>	<i>'domain.create.result'</i>	<i>The type of the message returned.</i>
<i>msg.registry.id</i>		<i>The id of the registry which is concerned by the message returned during this poll e.g. the registry a transferred domain is associated with.:</i>
<i>msg.domain.name</i>	<i>Character string</i>	<i>The name of the domain this message relates to. If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.</i>
<i>msg.domain.name.i15d</i>	<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the domain name this message relates to.</i>
<i>msg.create.done</i>	<i>Boolean value ('true' or 'false')</i>	<i>Specifies whether the domain has been successfully created (true) or not (false).</i>
<i>msg.result.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date and time of the result i.e. when the review or registration process for the domain was completed.</i>
<i>msg.domain.id</i>	<i>Character string</i>	<i>The id assigned to the created domain by the registry (equals the id that was returned for the original domain creation request).</i>
<i>msg.transaction.id</i>	<i>Character string</i>	<i>The (client) transaction id that the registrar specified in the original domain creation request. This field is only present if the a client transaction id was specified. If the message concerns a application the client transaction id at the registry during the domain apply is listed</i>

					<i>here.</i>
	<i>msg.registry.transaction.id</i>		<i>Character string</i>		<i>The (server) transaction id assigned to the original domain creation request by the registry</i>

Response:

msg.type: domain.create.result

msg.registry.id:

msg.domain.name: xn--barc-3na

msg.domain.name.i15d: barcà

msg.create.done: true

msg.result.date: 2003-05-17T22:00:00.0Z

msg.domain.id: domain1-ID

msg.transaction.id: mytrans-35432

msg.registry.transaction.id: tr493324

COMMAND TYPE: domain application result*Description:*

This message is sent when a pending domain application process (during the sunrise period) has finished. The message informs the registrar about the outcome of the process.

..

Response format (in addition to the fields returned by the poll command itself):

Key	Value type/content	Description
<i>msg.type</i>	<i>'application.result'</i>	<i>The type of the message returned.</i>
<i>msg.registry.id</i>		<i>The id of the registry which is concerned by the message returned during this poll e.g. the registry a transferred domain is associated with.:</i>
<i>msg.domain.name</i>	<i>Character string</i>	<i>The name of the domain this message relates to. If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding</i>
<i>msg.domain.name.i150</i>	<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the domain name this message relates to.</i>
<i>msg.create.done</i>	<i>Boolean value ('true' or 'false')</i>	<i>Specifies whether the domain has been successfully created (true) or not (false).</i>
<i>msg.result.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date and time of the result i.e. when the review or registration process for the domain was completed.</i>
<i>msg.domain.id</i>	<i>Character string</i>	<i>In case of a successful application this field contains the id assigned to the created domain by the registry.</i>
<i>msg.application.id</i>	<i>Character string</i>	<i>The ID of the application object this message relates to.</i>

Response:

msg.type: application.result

msg.registry.id:

msg.domain.name: xn--barc-3na

msg.domain.name.i15d: barca
msg.create.done: true
msg.result.date: 2003-05-17T22:00:00.0Z
msg.domain.id: domain1-ID
msg.application.id: REG-A9382

COMMAND TYPE: deferred validation notification*Description:**This message is sent when there is a state change of a deferred validation**.. Response format (in addition to the fields returned by the poll command itself):*

Key	Value type/content	Description
<i>msg.type</i>	<i>'domain.dv.notification'</i>	<i>The type of the message returned.</i>
<i>msg.registry.id</i>		<i>The id of the registry which is concerned by the message returned during this poll e.g. the registry a transferred domain is associated with</i>
<i>msg.domain.name</i>	<i>Character string</i>	<i>The name of the domain this message relates to. If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.</i>
<i>msg.domain.name.i15d</i>	<i>Character string (full Unicode charset)</i>	<i>This field contains the presentation form of the domain name this message relates to.</i>
<i>msg.domain.id</i>	<i>Character string</i>	<i>In case of a successful application this field contains the id assigned to the created domain by the registry.</i>
<i>msg.validation.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date of validation.</i>
<i>msg.validation.status</i>	<i>'hold' 'deleted' 'cleared'</i>	<i>The new validation state.</i>

*Response:**msg.type: domain.dv.notification**msg.registry.id:**msg.domain.name: xn--barc-3na**msg.domain.name.i15d: barcà**msg.domain.id: domain1-ID*

msg.validation.date: 2007-05-17T22:00:00.0Z
msg.validation.status: hold

COMMAND TYPE: transfer invalidity information*Description:*

This message is sent if the transfer/trade is invalidated in the registry but can be corrected within the next 14 days. The Type and reason for the invalidity is included.

..

Response format (in addition to the fields returned by the poll command itself):

Key	Value type/content	Description
<i>msg.type</i>	<i>'transfer'</i>	<i>The type of the message returned.</i>
<i>msg.registry.id</i>		<i>The id of the registry which is concerned by the message returned during the poll e.g. the registry a transferred domain is associated with..</i>
<i>msg.domain.name</i>	<i>Character string</i>	<i>The name of the domain this message relates to.</i>
<i>msg.transfervalidity.type</i>	<i>'transfer' 'trade' 'fax'</i>	<i>The type of the invalidity.</i>
<i>msg.transfervalidity.reason</i>	<i>Character string</i>	<i>The reason for the invalidity.</i>

Response:

msg.type: transfer

msg.registry.id:

msg.domain.name: test

msg.transfervalidity.type: transfer

msg.transfervalidity.reason: answer not from holder

COMMAND TYPE: auction state*Description:**This message is sent on any action that has been done by the registry**.. Response format (in addition to the fields returned by the poll command itself):*

Key	Value type/content	Description
<i>msg.type</i>	<i>'auction.state'</i>	<i>The type of the message returned.</i>
<i>msg.registry.id</i>		<i>The id of the registry which is concerned by the message returned during this poll e.g. the registry a transferred domain is associated with.:</i>
<i>msg.domain.name</i>	<i>Character string</i>	<i>The name of the domain this message relates to.</i>
<i>msg.phase</i>	<i>'SR2A' 'SR2B' 'SR2C' 'SR3' 'LR'</i>	<i>Specifies the corresponding Sunrise-/Landrushphase to which the domains belongs.</i>
<i>msg.state</i>	<i>'started' 'notify' 'won' 'lost' 'outbid' 'extended'</i>	<i>Specifies the corresponding Sunrise-/Landrushphase to which the domains belongs.</i>
<i>msg.open.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date and time of the result i.e. when the review or registration process for the domain was completed.</i>
<i>msg.close.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date and time of the result i.e. when the review or registration process for the domain was completed.</i>
<i>msg.close.date.ext</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date and time of the result i.e. when the review or registration process for the domain was completed. This field is only present if the auction has been extended.</i>

<i>msg.price</i>	<i>Integer value</i>	<i>The current valid price. This field is only present if the auction is started.</i>
<i>msg.alias</i>	<i>Character string</i>	<i>The alias of the bidder</i>
<i>msg.contact.id</i>	<i>Character string</i>	<i>The contact id assigned to the bidder.</i>
<i>msg.domain.id</i>	<i>Character string</i>	<i>The id assigned to the application by the registry (equals the id that was returned for the original domain creation request)</i>
<i>msg.leader.alias</i>	<i>Character string</i>	<i>The alias of the bidder. This field is only present if the auction is started a bid has been placed by a third party.</i>
<i>msg.leader.contact.id</i>	<i>Character string</i>	<i>The contact id assigned to the bidder. This field is only present if the auction is started a bid has been placed by a third party.</i>
<i>msg.leader.domain.id</i>	<i>Character string</i>	<i>The id assigned to the application by the registry. This field is only present if the auction is started a bid has been placed by a third party.</i>
<i>msg.transaction.id</i>	<i>Character string</i>	<i>The (client) transaction id that the registrar specified in the original domain creation request. This field is only present if the a client transaction id was specified.</i>
<i>msg.registry.transaction.id</i>	<i>Character string</i>	<i>The (server) transaction id assigned to the original domain creation request by the registry.</i>

Response:

msg.type: auction.state

msg.registry.id:

msg.domain.name: example

msg.phase: SR2A

msg.state: started

msg.open.date: 2007-11-17T00:00:00.0Z

msg.close.date: 2007-11-24T23:59:59.0Z

msg.close.date.ext: 2007-11-29T23:59:59.0Z

msg.price: 12.500

msg.alias: bidder_123
msg.contact.id: C1362159
msg.domain.id: D470236ASIA
msg.leader.alias: bidder_126
msg.leader.contact.id: C1362199
msg.leader.domain.id: D470299ASIA
msg.transaction.id: mytrans-35432
msg.registry.transaction.id: tr493324

COMMAND TYPE: zone deployment notification*Description:*

This message notifies about the completed deployment of a zone on all name servers specified by a member or errors that occurred during the deployment process.

Response format (in addition to the fields returned by the poll command itself):

Key	Value type/content	Description
<i>msg.type</i>	<i>'zone.deployment'</i>	<i>The type of the message returned.</i>
<i>msg.zone.id</i>	<i>Character string</i>	<i>The id of the affected zone.</i>
<i>msg.domain.name</i>	<i>Character string</i>	<i>The domain name of the affected zone. If the name is an internationalized domain name (IDN) the name is given in the Punycode encoding.</i>
<i>msg.domain.name.i15d</i>	<i>Character string (full Unicode charset)</i>	<i>The presentation form of the affected zone's domain name.</i>
<i>msg.notification.type</i>	<i>'user-deployment' 'system-deployment' 'transfer-failure' 'general-error'</i>	<i>Specifies the event for which this message is a notification. The event may be a successful deployment (user-deployment system-deployment) or an unrecoverable error that requires action from the member (transfer-failure general-error).</i>
<i>msg.zone.serial</i>	<i>Integer value</i>	<i>In case of successful deployment this field contains the serial number of the deployed zone.</i>
<i>msg.notification.date</i>	<i>Date and time formatted according to one variant of the extended date-time form defined in ISO-8601: 'yyyy-mm-ddThh:mm:ss.sZ'. 'T' and 'Z' have to be specified literally the final 's' denotes the decimal fraction of the second.</i>	<i>The date and time when the (last) notification for the event was received from the provider(s).</i>
<i>msg.notification.msg</i>	<i>Character string (full Unicode charset)</i>	<i>An optional textual message that may provide additional information about the event.</i>

Response:

msg.type: zone.deployment

msg.zone.id: zone-1

msg.domain.name: domain

msg.domain.name.i15d: domain.com

msg.notification.type: user-deployment

msg.zone.serial: 6533433

msg.notification.date: 2010-03-17T21:23:00.0Z
 msg.notification.msg: Zone deployed successfully.

Status values

General information

Each existing object may have one or more status values assigned to it. Status values may indicate certain (transient) properties of an object on the one hand. On the other hand they may affect actions on the object e.g. prohibit a certain operation on the object or prohibit the publication in the zone (for domain objects).

Status value	Description
<i>clientLock</i>	<i>Protects the object against any kind of modification.</i>
<i>serverLock</i>	<i>Protects the object against any kind of modification.</i>
<i>ok</i>	<i>This is the nominal status value for a contact object at all times whether or not the contact has pending operations or prohibitions.</i>
<i>member-lock</i>	<i>Protects the object from any modification (transfer deletion and update) by a request. For a more fine-grain control please use the other states.</i>
<i>member-delete-prohibited</i>	<i>Protects the object from deletion by a request.</i>
<i>member-transfer-prohibited</i>	<i>Protects the object from being transferred to another registrar.</i>
<i>member-update-prohibited</i>	<i>Protects the object from modification by a request.</i>
<i>secretariat-lock</i>	<i>Protects the object from any modification (transfer deletion and update) by a request. For a more fine-grain control please use the other states.</i>
<i>secretariat-delete-prohibited</i>	<i>Protects the object from deletion by a request.</i>
<i>secretariat-transfer-prohibited</i>	<i>Protects the object from being transferred to another registrar.</i>
<i>secretariat-update-prohibited</i>	<i>Protects the object from modification by a request.</i>
<i>under-dispute</i>	<i>Object is involved into a dispute and cannot be modified.</i>

*E-Mail-NotificationsNotification type: **Queue status***
Description:

Informs the CLLC member that its (formerly empty) poll message queue has become non-empty (if the CLLC member selected the option to get this information via E-Mail); contains the new number of messages in the CLLC member's poll message queue.

Notification format:

Key	Value type/content	Description
<i>notification.type</i>	<i>'queue.status'</i>	<i>Specifies the notification type for queue status information.</i>
<i>payload.version</i>	<i>'2.0'</i>	<i>Version of the payload format used in the notification.</i>
<i>msg.unread.id</i>	<i>Integer value</i>	<i>The field contains the id of the first (oldest) unread message available (in the given boundary if specified). If all messages have been read zero is returned instead.</i>