TRA UAE
EPP service (back-end)
Physical redundancy

EPP-int VLAN [98]

Back-end Firewall active

fail over cable

Back-end Firewall standby

Switch 1

Switch 2

802.1q Trunks

RAC VLAN [94]

Non-IP network
Fibre channel

SAN 1

SAN 2

Non-IP network
Infiniband

Infiniband switch 1

Infiniband switch 2

RAC Node 1

RAC Node 2

RAC Node 1

RAC Node 2

Infiniband 802.1q Trunks

EPP 1

EPP 2
Based on configuration select one of the servers
Making an EPP request to EPP SRS service
Registrar

ISP
Internet connectivity

Edge

Route traffic to firewall
Making an EPP request to EPP SRS service
Registrar

EPP-PS

Route traffic to EPP client
Validate the packets and pass them through
Validate the packets and pass them through
Edge Router

EPP-FE

Validate the packets and pass them through
Validate the packets and pass them through
Edge Firewall

Packet Shaper

Based on configuration select one of the servers
Select a RAC node and send a request to get/change information
Load Balancer

Send results back to active load balancer
Send results to EPP client
Send requested data/changed data status information to EPP server
EPP BE

Send results to EPP client
Send requested data/changed data status information to EPP server
EPP-int

Send results back to active load balancer
Send results to EPP client
EPP BE

Send results to EPP client
Send requested data/changed data status information to EPP server
EPP int

Send results back to active load balancer
Send results to EPP client
RAC

Send results back to active load balancer
Send results to EPP client
RAC

Collect/change information
Send requested data/changed data status information to EPP server
RAC Node

Non-IP network
Fibre channel

SAN

TRA UAE
EPP service. Data flow.
The Internet

TRA UAE
SRS Portal (front-end)
Physical redundancy

Link to ISP1
Link to ISP2

Edge Router 1
Edge Router 2

Edge Firewall active
Edge Firewall standby

Packet Shaper active
Packet Shaper standby

Load Balancer active
Load Balancer standby

SRS-PS VLAN [203]
SRS-FE VLAN [303]
SRS-BE VLAN [13]

Edge VLAN [300]

Switch 1
Switch 2

SRS Web 1
SRS Web 2

802.1q Trunks

fail over cable
fail over cable
fail over cable
TRA UAE
SRS Portal (back-end)
Physical redundancy

SRS-int
VLAN [97]

RAC
VLAN [94]

Non-IP network
Fibre channel

Non-IP network
Infiniband

Infiniband switch 1

Infiniband switch 2

SRS Web 1
SRS Web 2

802.1q Trunks

Back-end Firewall
active

fail over cable

Back-end Firewall
standby

Switch 1

Switch 2

RAC Node 1
RAC Node 2

SAN 1
SAN 2

802.1q Trunks

fail over cable
ISP
Internet connectivity

Edge Router
Route traffic to firewall
Route traffic to portal client

Edge Firewall
Validate the packets and pass them through
Validate the packets and pass them through

Packet Shaper
Pass traffic through
Using bandwidth management scheme, send results

Load Balancer
Select a RAC node and send a request to get/change information
Send results back to active load balancer

SRS Web Server
Validate the packets and pass them through
Validate the packets and pass them through

SRS Portal
Registrar
Making a HTTPS request to SRS Portal

RAC
Back-end Firewall
Collect/change information
Send requested data/changed data status information to SRS Web server

Non-IP network
Fibre channel
SAN

Making a HTTP(S) request to SRS Portal
Based on configuration select one of the servers
Select a RAC node and send a request to get/change information
Send requested data/changed data status information to SRS Web server

Send requested data/changed data status information to SRS Web server