

Figure: 26\_Figure3.pdf

Primary Datacenter	
Location	St. Ingbert / Germany
Serviceprovider	SkyWay Datacenter
Uplinks	1Gbit VSEnet 1Gbit INEXIO Redundancy with IBGP on Core Router
Benefits	TIER III Located at Key-Systems/KSregistry Headquarter n+1 redundancy on Power, Cooling, Network,

Base componets (CoreRouter/Firewall) Primary Datacenter	
Vendor	Vyatta
Hardware	INTEL 64bit Multicore CPU 8 GB DDR2 ECC RAM
uplinks	1Gbit VSENet 1 GbIT INEXIO
Adapter	4x 1Gbit RJ45 6x 10Gbit SFP+
Software	Vyatta 6.3

Base componnets (Backboneswitch) Primary Datacenter	
Switch	Juniper EX4200
Adapter	24-port 100Base-FX/1000Base-X SFP ports
Software	JunOS 11.x

Base componnets (Rackswitch) Primary Datacenter	
Switch	Juniper EX2200
Adapter	48 built-in network ports with 10/100/100BASE-T Gigabit Ethernet connectors
Software	JunOS 11.x

Typical components for DNS/additional Server (Load Balancer)	
Server	IBM compatible Linux Server
Processor	INTEL 64bit Multicore CPU
Memory	ECC DDR2 RAM Modules

Disk	Internal RAID 5 for operating system and software
Network Adapter	Average 4 100/1000 mbit network interface
Operatng System	SUSE Enterprise Linux 11 SP 2
Other Software	BIND,OpenDNSSEC,GIT, Nagios and Zabbix specific checks

2 or more RDDS(WHOIS) server are configured per datacenter side

Typical components for each RDDS(WHOIS) Server	
Server	IBM compatible Linux Server
Processor	INTEL 64bit Multicore CPU
Memory	Up to 64 GB ECC DDR2 RAM Modules
Disk	Internal RAID 5 for operating system and software Additional intern RAID 5 for data iSCSI Support
Network Adapter	Average 4 100/1000 mbit network interface
Operatng System	SUSE Enterprise Linux 11 SP 2
Other Software	LVM, Nagios and Zabbix specific checks

2 or more Database servers are configured per datacenter side

Typical components for each Database Server	
Server	IBM compatible Linux Server
Processor	INTEL 64bit Multicore CPU
Memory	ECC DDR2 RAM Modules
Disk	Internal RAID 5 for operating system and software Additional intern RAID 5 for data
Network Adapter	Average 6 100/1000 mbit network interface
Operatng System	SUSE Enterprise Linux 11 SP 2
Other Software	LVM, MySQL , MySQL Cluster, MySQL Backuptools,Nagios and Zabbix specific checks