The Internet

Link to ISP 1
Link to ISP 2

Edge Router 1

Edge Router 2

Switch 1

Switch 2

Edge VLAN [300]

EPP-PS VLAN [202]

EPP-FE VLAN [302]

EPP-BE VLAN [12]

Packet Shaper
active

Packet Shaper
standby

Load Balancer
active

Load Balancer
standby

ARI Registry Services
EPP service (front-end)
Physical redundancy

VLANs 300, 202

VLANs 302, 12

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202

VLANs 300, 202
ARI Registry Services
EPP service (back-end)
Physical redundancy

Non-IP network
Fibre channel
SAN 1
SAN 2

Fibre-channel switch 1
Fibre-channel switch 2

Oracle RAC Node 1
Oracle RAC Node 2
Oracle RAC Node 3
Oracle RAC Node 4

Infiniband switch 1
Infiniband switch 2

Non-IP network
Infiniband

Back-end Firewall
active
standby

fail over cable

VLAN 98
VLAN 94

VLANs
98, 94

Switch 1
Switch 2
Based on configuration select one of the servers

Making an EPP request to EPP SRS service

Select a RAC node and send a request to get/change information

Validate the packets and pass them through

Collect/change information

Send requested data/changed data to EPP server

Send results back to active load balancer

Send results to EPP client

Send results to EPP client

Route traffic to firewall

Validate the packets and pass them through

Validate the packets and pass them through

Validate the packets and pass them through

Send results to EPP service.

Data flow.
The diagram illustrates a network setup with various components and VLANs. Here is a breakdown of the key elements:

1. **The Internet**
2. **Link to ISP1**
3. **Link to ISP2**
4. **Edge Router 1**
5. **Edge Router 2**
6. **Switch 1**
7. **Switch 2**
8. **VLANs 300, 303, 203, 13**
9. **SRS Web (front-end)**
10. **ARi Registry Services**
11. **Physical redundancy**

Key components include:
- **Packet Shaper**: Active and standby modes.
- **Load Balancer**: Active and standby modes.
- **Edge Firewall**: Active and standby modes.
- **VLANs**: 300, 203, 13

The network setup involves redundant links and devices to ensure failover in case of failure.
ARI Registry Services
SRS Web (back-end)
Physical redundancy

Fail over cable

SRS-int VLAN [97]

VLAN 97

SRS Web 1

VLAN 97

VLAN 97

SRS Web 2

VLAN 97

Back-end Firewall
active

Fail over cable

VLANs 97, 94

Switch 1

Switch 2

Back-end Firewall
standby

RAC VLAN [94]

VLAN 94

VLAN 94

VLAN 94

VLAN 94

VLAN 94

VLAN 94

VLAN 94

Oracle RAC Node 1

Oracle RAC Node 2

Oracle RAC Node 3

Oracle RAC Node 4

Fibre-channel switch 1

Fibre-channel switch 2

Infiniband switch 1

Infiniband switch 2

SAN 1

SAN 2

Non-IP network
Fibre channel

Non-IP network
Infiniband
A R I Registry Services
SRS Web. Data flow.

1. Making a HTTPS request to SRS Portal

2. Route traffic to firewall
3. Edge Router
4. Validate the packets and pass them through
5. SRS-PS
6. Edge Firewall
7. SRS-FE
8. Packet Shaper
9. Based on configuration select one of the servers
10. SRS-BE
11. Load Balancer
12. Select a RAC node and send a request to get/change information
13. SRS-int
14. SRS Web Server
15. Send results back to active load balancer

16. RAC
17. Back-end Firewall
18. Collect/change information
19. SRS-int
20. Send requested data/changed data status information to SRS Web server

ISP
Internet connectivity

Edge

SAN

Non-IP network
Fibre channel