The Internet

Link to ISP 1
Link to ISP 2

Edge Router 1
Edge Router 2

Switch 1
Switch 2

Edge VLAN [300]

VLANs 300, 300
VLANs 300, 300

Whois-PS VLAN [204]

VLANs 304, 204
VLANs 304, 204

Whois-FE VLAN [304]

VLANs 304, 304, 204, 14
VLANs 304, 304, 204, 14

Whois-BE VLAN [14]

VLANs 14
VLANs 14

Physical redundancy

ARI Registry Services

Whois service (front-end)

Packet Shaper
active
Packet Shaper
standby

Load Balancer
active
Load Balancer
standby

Edge Firewall
active
Edge Firewall
standby

fail over cable
fail over cable

VLANs 204, 204
VLANs 304, 304
VLANs 204, 204
VLANs 304, 304

VLAN 14
VLAN 14
VLAN 14
VLAN 14

Whois 1
Whois 2

VLANs 300, 304
VLANs 300, 304
VLANs 300, 304
VLANs 300, 304

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VLANs 300, 304
ARI Registry Services
Whois service (back-end)
Physical redundancy

Switch 1
- Whois-int
  - VLAN [96]
  - VLAN 96
- Back-end Firewall
  - active
  - fail over cable
  - VLANS 96, 94

Switch 2
- Whois 2
  - VLAN 96
- Back-end Firewall
  - standby

Oracle RAC
- Node 1
  - VLAN 94
  - Infiniband switch 1
  - SAN 1
- Node 2
  - VLAN 94
  - Infiniband switch 2
- Node 3
  - VLAN 94
  - Non-IP network
- Node 4
  - VLAN 94
  - Non-IP network

SAN 1
- Fibre-channel switch 1
  - Non-IP network
  - Fibre channel

SAN 2
- Fibre-channel switch 2
  - Non-IP network
  - Infiniband
Making a WhoIs request to WhoIs SRS service.

Based on configuration select one of the servers.

Send requested data to WhoIs server.

Send results back to active load balancer.

Send results to WhoIs client.

Send results to WhoIs client.

Validate the packets and pass them through.

Using bandwidth management scheme, send results.

Validate the packets and pass them through.

Validate the packets and pass them through.

Validate the packets and pass them through.

Collect information.

Select a RAC node and send a request to get information.

Send results to WhoIs client.

Select traffic to firewall.

Route traffic to firewall.

Route traffic to WhoIs client.