

Oracle Exalogic Elastic Cloud 2.x for Architects

The Exalogic Solution

- Why Exalogic?
- Machine Topology
- What is InfiniBand?
- Comparing Rack Configurations
- Server Virtualization and vServers
- What is Exalogic Control?
- Exalogic Deployment Phases
- Implementation Road Map

Fusion Middleware and Exalogic

- WebLogic Server Overview
- Load Balancing Considerations
- Traffic Director Overview
- Basic Exalogic and WebLogic Examples
- Exalogic and Coherence Example
- Exalogic and SOA Suite Example
- General Database Considerations

Oracle Applications and Exalogic

- Application Templates for Exalogic
- Exaccelerators

Network Design

- IP over InfiniBand Networks
- Ethernet over InfiniBand Networks
- Network High Availability
- Public Network Recommendations
- Private Network Example
- Exadata Networking
- EoIB and VLAN Recommendations
- Network Recommendations for FMW

Storage Design

- Exalogic Storage Options
- ZFS Appliance Capabilities
- Projects and Shares
- Comparing Volumes and Shares
- Storage Recommendations for FMW
- Redundant Installations and Rolling Upgrades
- FMW Storage Examples
- Recommended NFS v4 Architecture

Tenant Design

- What is an Account?
- What is a vCPU?

- What is a vServer Type?
- What is a vServer Template?
- What is a Distribution Group?
- vServer High Availability
- Account Example
- How Many Servers to Run on a vServer

Security and Multitenancy

- ExaPassword
- STIGfix
- Partition Membership
- EoIB, VLANs and Partitions
- Storage Access Control
- Shared Services in a vDC
- LDAP Load Balancing
- Traffic Director Firewall

Backup and Recovery

- ZFS Snapshots
- OS Snapshots
- Volume Snapshots
- ExaBR
- Exalogic Backup Recommendations
- FMW Backup Recommendations
- Integration with External ZFS
- Integration with Tape Backup

Disaster Recovery

- Discovery Recovery Topology
- Recommended DR Architecture
- DR Best Practices
- ZFS Storage Replication
- Storage Replication Modes
- FMW Replication Recommendations
- vDC and DR Considerations
- Oracle Site Guard

Patching and Maintenance

- ExaCheck
- ExaLogs
- Hardware Maintainability
- ASR Framework
- Exalogic Patch Set Updates
- ExaPatch
- Exalogic YUM Recommendations
- OPatch