

Oracle Exalogic Elastic Cloud 2.x: System Administration

The Exalogic Solution

- Data Center Challenges
- What is InfiniBand (IB)?
- Engineered Solution
- Multitenancy
- Infrastructure as a Service (IaaS)
- What is Exalogic Control?
- Physical vs Virtual Data Center
- Exalogic Versioning

Hardware Components

- Exalogic Machine Topology
- Compute Nodes
- Storage Appliance
- InfiniBand Switches
- IB Transceivers and Cables
- Management Switch
- Comparing Rack Configurations
- Power Options

Initial Machine Configuration

- Using Oracle Installation Services
- Exalogic Configuration Utility (ECU) Overview
- IP over InfiniBand (IPoIB)
- Ethernet over InfiniBand (EoIB)
- Default Networks
- Default Storage Projects
- Host Utilities
- DCLI Examples

Managing Hardware With ILOM

- ILOM Network
- Changing the Root Password
- Powering the Device On and Off
- Locating the Device in the Data Center
- Viewing Hardware Status and Specifications
- Monitoring Power Consumption
- Configuring Alerts
- CLI Examples

Managing Hardware with Exalogic Control

- Exalogic Control Architecture
- Starting and Stopping Exalogic Control
- Creating an Exalogic System Administrator
- Viewing Exalogic System Specifications
- Viewing Exalogic System Networks
- Navigating Rack Slots
- Monitoring Asset Hardware
- Creating an Exalogic System Report

Storage Configuration

- Changing the Root Password
- Storage Pool
- Replacing Failed Hardware
- Configuring Services, Projects, and Shares
- Overriding Project Defaults
- Exalogic NFS Architectures
- Configuring a Compute Node for NFS
- CLI Examples

Network Configuration

- Single Rack Network Topology
- Multi Rack Network Topology
- Replacing Failed Hardware
- Monitoring Connection Status
- Monitoring the Subnet Manager
- Working with Partitions
- Creating a VNIC
- Tagging a Gateway Port with a VLAN ID

Lifecycle Management

- Exalogic Lifecycle Toolkit
- ExaCheck
- Automatic Service Requests
- ExaLogs
- Backup Recommendations
- ExaBR

Disaster Recovery

- Discovery Recovery Topology
- Exalogic Storage Replication
- Recommended Storage Network Topology
- Creating a Replication Target
- Configuring Replication for a Project
- Oracle Site Guard Overview