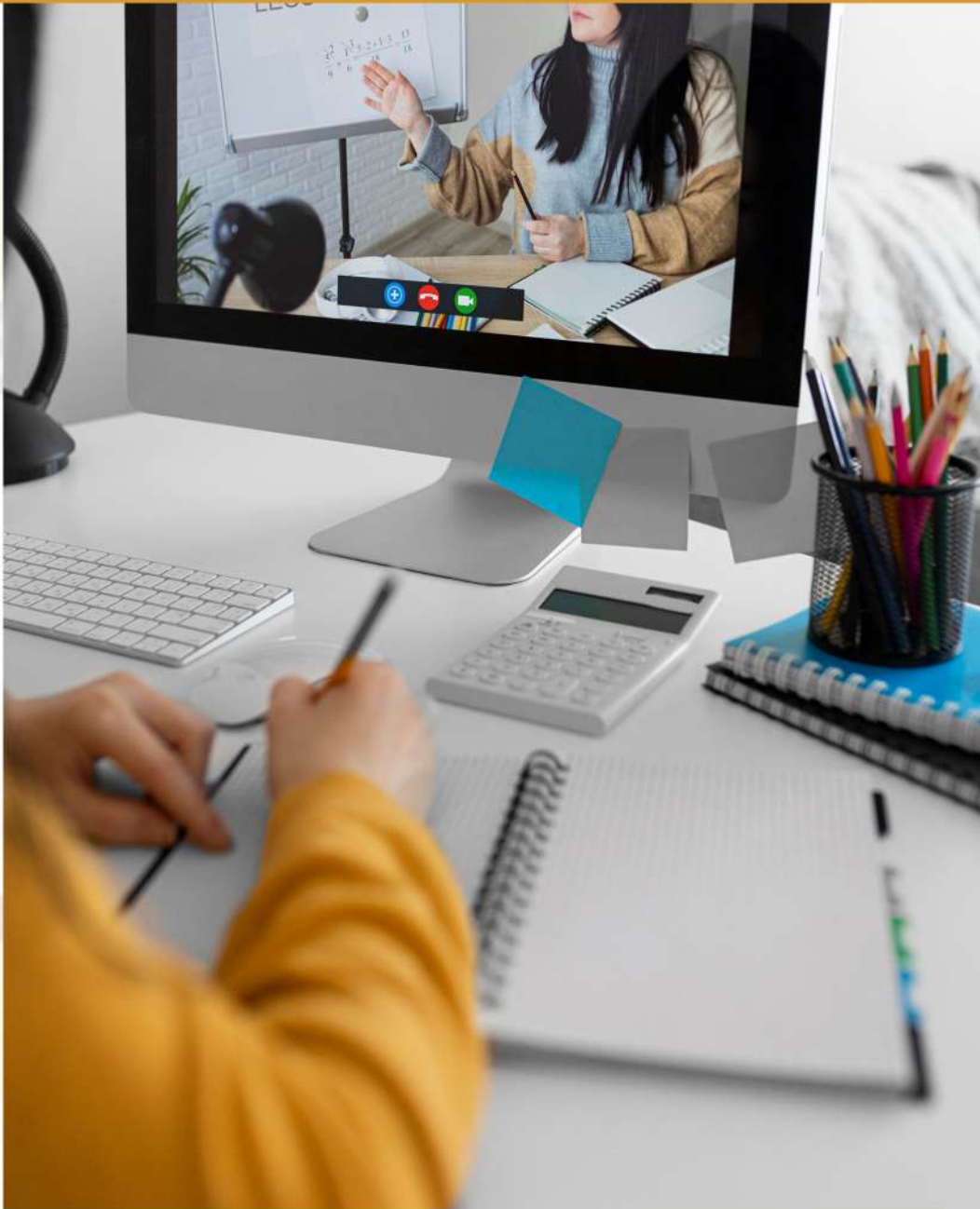


Oracle Exadata Database Machine X9M Implementation Essentials



Online Course

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Oracle Exadata Database Machine X9M Implementation Essentials

Course Modules

1. Exadata Database Machine Architecture and Key Capabilities

- Describe Exadata hardware architecture
- Describe Exadata software architecture & deployment scenarios
- Exadata Remote Direct Memory Access (RDMA) & Client network
- Explain the impact of various diskgroup failure group choices
- Deployment options of Exadata including Virtualization & Bare Metal

2. Exadata Database Machine Site & Implementation Planning (OECA&OEDA)

- Oracle Exadata Config Assistant & Oracle Exadata Deployment Assistant
- Exadata Database Machine with Oracle ZFS Storage in a single rack
- Config Exadata Database virtual deployment using Oracle Exadata
- Additional database server to a physical Exadata Database Machine
- Describe physical site requirements and safety best practices
- Install & config Oracle Exadata using Oracle Exadata Deployment

3. Exadata Database Machine Installation

- Configure Exadata Database Server SP port (ILOM)
- Describe the procedure for receiving the rack on site
- Reconfig the Exadata Database Machine to use a single power cable
- Verify the firmware of an Exadata Storage Server
- Set up Automatic Service Request (ASR) on Exadata Database Machine



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4. Exadata Database Machine Integration

- The network integration options of Exadata Database Machine
- Connect Exadata Database Server in various scenarios

5. Exadata Database Machine Configuration and Administration

- Create Automatic Storage Management disk groups using Exadata
- Configure Exadata software and resources using CellCLI
- Use the CellCLI, ExaCLI, DCLI & ExaDCLI Exadata administration
- Create an ACFS Filesystem for use with external tables
- Back up the Exadata Database Machine & databases on Exadata
- Enable Flash Cache Write Back
- Start and restart an Exadata Virtual Machine

6. Exadata Database Machine Security

- Configure Exadata security (storage, secure boot, cellwall, etc.,)
- Implement Access Control for REST API

7. Exadata Database Machine Troubleshooting

- Recover Storage Cell from disk failure
- Use Exadata Software to troubleshoot client network disconnect



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8. Exadata Database Machine Monitoring

- Describe the monitoring recommendations for Exadata Database
- Cloud Control or DBMCLI to monitor Exadata Database Machine
- Monitor Exadata Storage Server & Network using Command line
- Describe the Enterprise Manager cloud Control architecture
- Use Enterprise Manager to discover Exadata Database Machine
- Auto Service Request (ASR) function & how it relates to Exadata
- Oracle Config Manager (OCM) & how it relates to Exadata Dbase

9. Exadata Database Machine Updates

- Describe how software is maintained on diff Database Machine
- Use Exadata Sftwr to deploy an update to an Exadata Database
- Use patchmgr to update a single storage server

10. Exadata Database Maintenance Tasks

- Power Database Machine on and off
- Safely shut down a single Exadata Storage Server
- Replace a damaged physical disk on a cell
- Replace a damaged flash card on a cell
- Add additional storage to Exadata Database Servers
- Use the Exadata Cell Software Rescue Procedure

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