


Exadata+ExaCC/ExaCS Training Program

Oracle Exadata | ExaCC | Oracle 23ai Overview | Practical cases of AI in Oracle DB

 **Program Duration: 40 Days (1 Hour/Day) or 4 hrs / weekend (2hrs/day)**

Instructor Information

Instructor

ExaGuru

Email

support@exaguru.com

Duration

50 Hours

Description

This course covers all technical aspects of Oracle Exadata X9M technical stack provided by Oracle Corporation.

Expectations and Goals

After completing this course, one should be proficient in handling Exadata Cloud at Customer and Exadata Cloud Service offerings by Oracle. This course comes with complete theoretical and practical Scenarios learned and constructed by Experts working on the Concerned Subject.

Course Materials

- Laptop with 2/4 Gb Ram
- Internet Access for Accessing Cloud Services and Live/Recorded training

Bonuses Provided with the Course

- Hands-on lab Exercises prepared by Experts.

support@exaguru.com



- High-quality video access through a dedicated LMS Portal.
- Interview questions and strategy sessions with Experts.
- Latest Questions and Answers for Clearing Certification Exams.
- FREE Lifetime private community Access for discussing problems related to concerned subject.

Course Schedule

Day 1 and 2 : Corporate Mental Well Being

- Cost of Time
 - Growth Mindset vs Survival Mindset
 - Reading & Sleeping is a superpower
 - "I Cannot" to "How Can I?"
 - Food, Body and Mind
 - Goal is Freedom of Choice
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Module

Topic

Oracle Exadata On-Premises (Days 1–10)

Day 1: Introduction to Oracle Exadata

History & Evolution

Key Differentiators vs Traditional Databases

Day 2: Exadata Hardware Overview

- Compute Nodes, Storage Cells, Flash, Disk Types

Day 3: Exadata Network & Interconnect

- RoCE Fabric, InfiniBand (Legacy), High-Speed Networking

Day 4: Smart Scan & Storage Indexes

- How Smart Scan Reduces I/O and Improves Performance

Day 5: Exadata Flash Cache Internals

- Smart Flash Logging, Write-Back and Write-Through Modes

Day 6: Exadata Storage Server (Cell Server) Architecture

- cellcli, flashcache, and cell offloading

Practical Sessions (in parallel):

- Cell services – start, status and stop
 - CellCLI
 - Check LUNs and work on grid disk creation
 - Explore disk, grid and cell
 - Add cell disk
 - Status/Monitor of cell disk
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Module

Topic

Day 7: High Availability with Exadata

- ASM, RAC and Best Practices

Day 8: Backup and Recovery Strategies

- RMAN with Exadata

Day 9: Capacity Planning

- Monitoring Exadata Workloads Using Metrics and ExaWatcher

Day 10: Security Features in Exadata

- TDE & Network Security
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Module

Topic

Exadata Cloud@Customer (Days 11–20)

Day 11: Introduction to ExaCC

- What is ExaCC? Deployment Models and Use Cases

Day 12: ExaCC Control Plane Architecture

- Control Plane Responsibilities & API Calls

Day 13: ExaCC Deployment Process

- Site Readiness Checklist, Hardware Installation

Day 14: ExaCC Networking Deep Dive

- Private and Public Endpoints, VCN Design, Security

Practical Sessions:

- Create VCN
- Create Subnet
- Create Gateways
- Create Routing Tables
- Create SL
- Overview of ExaCC / ExaCS Infra → VM and DB Deployment

Day 15: Database Deployment Options in ExaCC

- Autonomous Database vs. Enterprise Databases

Practical Sessions:

- Deploy an ADB Free Instance on OCI



Module

Topic

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- Query the ADB instance using SQL worksheet
 - Download and use wallet
 - Connect & Query ADB using SQL Developer

Day 16: ExaCC Management Interfaces

- OCI Console, ExaCC CLI Overview
- Installation of OCI CLI in 5 minutes
- dbcli command line options

Day 17: Auto-Scaling & Patching in ExaCC

- Scheduling via OCICLI and Automating via Dynamic Scaling

Day 18: Disaster Recovery & High Availability

- Data Guard and log shipping strategies

Day 19: Security & Compliance in ExaCC

- Encryption, IAM, Auditing

Day 20: IAM Practical Sessions:

- Create Compartments
 - Organize hierarchy
 - Create Users & Groups in OCI
 - Add users to groups
 - Write and apply Policies
 - Dynamic Policies & Implementation
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Module

Topic

Oracle Database 23ai Overview (Days 21–22)

Day 21: Introduction to Oracle 23ai

- Key New Features and Enhancements

Day 22: AI Vector Databases & Vector Search

- Use Cases and How Vector Search Works

AI/ML Usage in Oracle Database (Days 23–30)

Day 23: Introduction to Oracle Machine Learning (OML)

Day 24 & 25: Use Cases of AI in Databases

- Customer Churn
- Fraud Detection
- Predictive Maintenance

Day 26 & 27: AI for Performance Tuning

- Automatic Indexing
- SQL Plan Management
- Performance Insights



Module

Topic

Practicals (Days 28–30)

- AI-Embedded Query Hint
- AI Vector Search
- Select AI Summaries
- Configuring SQLcl

Course Summary

Theory: 30 days

Practical/Lab: 10 days

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