




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).

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

Module 1: Oracle Exadata On-Premises (Days 1-10)

Day	Topics
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: start, status and stop cell services, CellCLI, work on grid disk creation



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

Module 2: Exadata Cloud@Customer (Days 11-20)

Day	Topics
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, Subnet, Gateways, Routing Tables, SL, Overview of Infra → VM & DB Deployment
Day 15: Database Deployment Options in ExaCC	Autonomous Database vs. Enterprise Databases Practical Sessions: Deploy ADB Free Instance, Query via SQL worksheet, Wallet, SQL Developer



Day 16: ExaCC Management Interfaces	OCI Console, ExaCC CLI Overview OCI CLI installation in 5 minutes dbcli options
Day 17: Auto-Scaling & Patching	Scheduling via OCICLI, Automating via Dynamic Scaling
Day 18: Disaster Recovery & HA	Data Guard and log shipping strategies
Day 19: Security & Compliance	Encryption, IAM, Auditing
Day 20: IAM Practical Sessions	Create Compartments, Hierarchy, Users, Groups Policies & Dynamic Policies

Module 3: Oracle Database 23ai Overview (Days 21–25)

Day	Topics
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

Module 4: AI/ML Usage in Oracle Database (Days 26–30)

Day	Topics
Day 23: Introduction to Oracle Machine Learning (OML)	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

Days 28-30: Practicals

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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