DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

# Oracle Advanced Training

Design highly available Oracle platforms with RAC and Data Guard, tune performance, harden security and plan upgrades and cloud moves.

| | | |
|---|---|---|
| LIVE ONLINE<br>**Max 8-10 hours** | CORPORATE (DAY-WISE)<br>**5 days · Days 1-5** | SELF-PACED VIDEO<br>**1-year LMS access** |
| BATCH SIZE<br>**Max 10 learners** | NEXT BATCHES<br>**1st of every month · weekends: first Saturday** | CERTIFICATE<br>**Verifiable certificate of completion** |

| Foundation | Essential | Intermediate | Advanced |
|---|---|---|---|
| 1 day · Included | 2 days · Included | 3 days · Included | 5 days · This curriculum |

## INSIDE THIS CURRICULUM


| | |
|---|---|
| What you will achieve | Outcomes and level focus |
| Who should attend | Audience and prerequisites |
| Agenda | 47 topics · Foundation to Advanced |
| Hands-on labs | 4 labs |
| Formats and fees | Live, 1:1, self-paced, corporate |
| Trainer and reviews | Rajesh Kumar |
| Enrolment | Batches, payment, contacts |


## WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

**Course page:** www.devopsschool.com/courses/oracle/oracle-advance-training.html
**Talk to us:** WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

# What you will achieve

By the end of the Oracle course path, you will be able to:

1

### Write effective SQL and PL/SQL

Query, transform and program Oracle data with advanced SQL and PL/SQL.

2

### Administer Oracle databases

Manage storage, security, backups, recovery and performance as a working DBA.

3

### Design resilient Oracle platforms

Build highly available, secure and tuned databases on premises and in the cloud.

WHAT THE ADVANCED LEVEL ADDS

### High availability, tuning, security and cloud migration

**Hands-on:** Build a highly available database. Configure a Data Guard standby, perform a switchover, enable TDE and tune a slow query with SQL plan management.

WHO SHOULD ATTEND

- Experienced Oracle practitioners responsible for quality, security and scale.
- Senior engineers, architects and leads who design and troubleshoot Oracle solutions.
- Teams making Oracle an organisation-wide standard.

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Administer Oracle instances and storage, back up and recover with RMAN, monitor with AWR and troubleshoot common DBA issues.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO ADVANCED

# Oracle Advanced Training agenda

47 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

## DAY 1 — Foundation: Oracle Database architecture, installation and SQL basics

Included from Foundation

1. Oracle Database overview: editions, releases 19c and 23ai, on-premises and Oracle Cloud options
2. Architecture: instance versus database, SGA and PGA memory and background processes such as DBWn and LGWR
3. Storage structures: data files, control files, redo logs, tablespaces, segments, extents and blocks
4. Multitenant architecture: container database (CDB) and pluggable databases (PDBs)
5. Installation: Oracle Database Free in a container or VM, prerequisites and DBCA
6. Tools: SQL*Plus, SQLcl and SQL Developer, and connecting with Easy Connect strings
7. SQL basics: SELECT, WHERE, ORDER BY, single-row functions and NULL handling
8. Joins and subqueries: inner, outer and self joins and correlated subqueries
9. DML and transactions: INSERT, UPDATE, DELETE, MERGE, COMMIT, ROLLBACK and SAVEPOINT
10. DDL: CREATE TABLE, data types, constraints, sequences and identity columns
11. Data dictionary: USER_, ALL_ and DBA_ views and V$ dynamic performance views

## DAY 2 — Essential: Advanced SQL, PL/SQL and schema objects

Included from Essential

12. Aggregation: GROUP BY, HAVING, ROLLUP, CUBE and GROUPING SETS
13. Analytic functions: ROW_NUMBER, RANK, LAG, LEAD and running totals with windowing clauses
14. Hierarchical and recursive queries: CONNECT BY and recursive WITH clauses
15. Schema objects: views, materialized views, synonyms and B-tree, bitmap and function-based indexes
16. PL/SQL fundamentals: blocks, variables, control structures, cursors and exception handling
17. Stored procedures, functions and packages: parameters, overloading and package state
18. Triggers: row, statement and compound triggers and when to avoid them
19. Bulk processing: BULK COLLECT and FORALL for faster PL/SQL
20. JSON in Oracle: the JSON data type, JSON_TABLE and JSON relational duality views
21. Security basics: users, roles, system and object privileges and profiles
22. Data loading: SQL*Loader, external tables and Data Pump basics
23. Team workflow: schema scripts in Git and Liquibase-based migrations with SQLcl

## DAY 3 — Intermediate: DBA administration, backup, security and troubleshooting

Included from Intermediate

24. Instance management: startup and shutdown modes, spfile and pfile and initialization parameters
25. Storage administration: tablespaces, bigfile tablespaces, autoextend, undo and temp management
26. Oracle Net: listener.ora, tnsnames.ora, services and lsnrctl
27. Security administration: unified auditing, password policies and least privilege
28. Backup concepts: ARCHIVELOG mode, RMAN full and incremental backups and the recovery catalog
29. Restore and recovery: complete and point-in-time recovery, Flashback Database and Flashback Table
30. Data Pump: expdp and impdp for schema moves, remapping and transportable tablespaces

31. Monitoring: alert log, ADR with adrci, AWR and ASH reports
32. Performance basics: EXPLAIN PLAN, DBMS_XPLAN and optimizer statistics
33. Automation: DBMS_SCHEDULER jobs and maintenance windows
34. Patching: Release Updates with OPatch and datapatch
35. Troubleshooting: common ORA- errors, blocking sessions and space issues

**DAYS 4-5** **Advanced: High availability, tuning, security and cloud migration** **New at this level**

36. Real Application Clusters (RAC): architecture, Oracle Clusterware, ASM and services
37. Data Guard: physical standby, switchover, failover, Active Data Guard and Fast-Start Failover
38. Advanced SQL tuning: SQL Tuning Advisor, SQL plan management and index strategy
39. Partitioning: range, list, hash and interval partitioning and partition maintenance
40. Memory and I/O tuning: SGA and PGA sizing, the In-Memory column store and ASM disk groups
41. Security hardening: Transparent Data Encryption, Data Redaction, Database Vault and network encryption
42. Multitenant operations: PDB cloning, refreshable PDBs, relocation and Resource Manager
43. Upgrades and migration: AutoUpgrade, cross-platform migration and Zero Downtime Migration
44. Oracle in the cloud: Autonomous Database, Exadata Database Service and multicloud database services
45. Observability: Enterprise Manager and the Oracle Database metrics exporter for Prometheus and Grafana
46. AI Vector Search: the VECTOR data type, vector indexes and similarity queries
47. Capstone: a highly available, secured and tuned database with Data Guard, RMAN and monitoring

PRACTICE

## Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION **Install Oracle and query data**
Run Oracle Database Free in a container, create a schema with constraints and write join and subquery reports with SQLcl.

ESSENTIAL **Build a PL/SQL order package**
Create an order schema with views and indexes, write a PL/SQL package with bulk processing and exception handling, and report with analytic SQL.

INTERMEDIATE **Back up and recover a database**
Enable ARCHIVELOG mode, take RMAN backups, simulate a lost data file and dropped table, and recover both.

ADVANCED **Build a highly available database**
Configure a Data Guard standby, perform a switchover, enable TDE and tune a slow query with SQL plan management.

HOW YOU CAN LEARN

## Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

| FORMAT | DURATION | WHAT YOU GET | FEE |
|---|---|---|---|
| **Live & interactive (online)** | Max 8-10 hours | Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month. | **INR 34,999** |
| **1:1 live training (online)** | Max 8-10 hours, one-to-one | The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace. | **INR 99,999** |
| **Self-paced video** | 1-year LMS access | All four Oracle levels, plus 20+ more courses and 50+ tools, at your own pace. | **INR 833/month** billed yearly at INR 9,996 |
| **Corporate (day-wise)** | 5 days for this level | A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative). | **Quote on request** |

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

## Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

| | |
|---|---|
| **20** years in industry | **200+** corporate trainings |
| **10,000+** engineers mentored | **70+** organisations coached |

REVIEWS

## What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR ORACLE TRAINING

## Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/oracle/

ENROL OR RESERVE A SEAT
**Oracle Advanced Training**

WHATSAPP · INDIA
**+91 99057 40781**

WHATSAPP · USA
**+1 (469) 756-6329**

EMAIL
**contact@DevOpsSchool.com**