

Oracle Enterprise Data Quality 12c: Profile, Audit and Operate Ed 1

Course Duration: 24 Hours

Course code:Ed1

1. Course Overview

This course provides participants with the knowledge and practical skills to profile, audit, and operate data quality processes using Oracle Enterprise Data Quality (EDQ) 12c. Learners will explore EDQ architecture, perform data profiling, implement data audits, and manage operational data quality projects. By the end, participants will be able to monitor, analyze, and improve data quality across enterprise systems.

2. What you'll learn?

By completing this course, you will be able to:

- Describe Oracle Enterprise Data Quality 12c architecture and capabilities
- Profile data to identify patterns, anomalies, and inconsistencies
- Configure and run data audits to enforce quality rules
- Build and deploy data quality processes in an operational environment
- Monitor data services using dashboards, metrics, and reports
- Integrate EDQ with Oracle and third-party applications
- Apply governance and compliance practices for enterprise data quality

3. Target Audience

- Data Quality Analysts and Engineers
- Data Integration and ETL Developers
- Database Administrators and Architects
- Business Intelligence (BI) and Data Governance Teams

4. Pre-Requisites

- Basic understanding of relational databases and SQL

- Familiarity with data governance and integration concepts
- Exposure to Oracle Data Integration or BI tools is recommended

5. Course content

Module 1: Introduction to Oracle EDQ 12c

- Overview of Data Quality challenges
- Oracle Enterprise Data Quality architecture and components
- Key features and benefits

Module 2: Data Profiling in EDQ

- Introduction to profiling concepts
- Creating and running profiling jobs
- Analyzing profiling results
- Identifying anomalies and patterns

Module 3: Data Audit Framework

- Audit concepts in EDQ
- Configuring audit rules and thresholds
- Running audits and reviewing audit results
- Automating audit processes

Module 4: Operationalizing Data Quality

- Building and deploying EDQ jobs in production
- Running batch and real-time jobs
- Scheduling and managing jobs
- Operational governance considerations

Module 5: Monitoring and Reporting

- Using dashboards and scorecards
- Configuring alerts and notifications
- Monitoring performance and quality KPIs

- Generating and sharing reports

Module 6: Integration and Extensibility

- Integrating EDQ with Oracle applications (OBIEE, ODI, etc.)
- Third-party application integration
- Extending EDQ with custom processes and scripts

Module 7: Governance and Compliance

- Data governance and stewardship best practices
- Ensuring regulatory compliance with EDQ audits
- Data lineage and transparency

Module 8: Best Practices and Case Studies

- Real-world examples of EDQ deployments
- Lessons learned from enterprise projects
- Optimizing EDQ for scalability and performance