Help you prepare to take Oracle Data Integrator 11g Essentials (1Z1-482) certification exam by providing pointers to resources that you can use in your preparation.

**Important Note:**

In addition to Oracle Data Integrator, candidates taking this exam should also be prepared for items on Oracle GoldenGate and Oracle Enterprise Data Quality. These topics are listed on slide 4 and are covered in Guided Learning Path lessons.
Targeted Audience

• Presales Consultants and Implementation Consultants
• 3 to 5 years of advanced DW, DI or ETL experience
• Participation in 3 ODI implementations
• The exam targets the intermediate-level implementation team member
• Up-to-date training from Oracle University: Oracle Data Integrator 11g: Integration and Administration & Oracle Data Integrator 11g: Advanced Integration and Development courses and field experience are required to pass the exam

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Exam Topics

The Oracle Data Integrator 11g exam consists of nine topics:

1. Introduction to Oracle Data Integrator (ODI)
2. Oracle Data Integrator Architecture Overview
3. Oracle Data Integrator Models and Datastores
4. Oracle Data Integrator Project Development
5. Managing Oracle Data Integrator Execution
6. Integrating Oracle GoldenGate with Oracle Data Integrator
7. Doing more with Oracle Data Integrator
8. Oracle Enterprise Data Quality (EDQ) Profiling
9. Oracle Enterprise Data Quality Batch Processing
Exam Objectives

The exam objectives are defined by learner or practitioner level of knowledge:

- Learner-level: questions require the candidate to recall information to determine the correct answer.

- Practitioner-level: questions require the candidate to derive the correct answer from the application of their knowledge, which can only be attained by extensive experience with the product.
Topic 1: Introduction to Oracle Data Integrator (ODI)

Objectives
- Benefits of ODI (including ODI architecture - Extract Load Transform)  Level Learner
- ODI components  Level Learner

Training Options
- Oracle University Training
  - Oracle Data Integrator 11g: Integration and Administration
  - Oracle Data Integrator 11g: Advanced Integration and Development

Sample Question
- Select three key concepts that Oracle Data Integrator supports.

A. High Performance E-LT
B. Bulk Data Processing
C. Data Transformation
D. Bidirectional Replication
Topic 2: ODI Architecture Overview

Objectives

- ODI Architecture
- Installation and Configuration
- Fusion Middleware Components

Level

- Learner
- Practitioner
- Learner

Training Options

- Oracle University Training
  - Oracle Data Integrator 11g: Integration and Administration
  - Oracle Data Integrator 11g: Advanced Integration and Development

Sample Question

- Is Oracle Web Logic Server required for an ODI agent to execute jobs?

  A. Yes, the ODI agent requires Oracle Web Logic Server
  B. No, the ODI agent does not require Oracle Web Logic Server
  C. Yes, if not the ODI agent is not able to connect to source and target systems
  D. Yes, if not the ODI Agent is not able to start it’s own proprietary engine
Topic 3: ODI Models and Datastores

Objectives

- Creating ODI datastores
- Creating and organizing ODI Models
- Reverse engineering metadata
- ODI constraints
- Configuring auditing
- Configuring data validation

Level

- Practitioner
- Practitioner
- Learner
- Practitioner
- Practitioner

Training Options

- Oracle University Training
  - Oracle Data Integrator 11g: Integration and Administration
  - Oracle Data Integrator 11g: Advanced Integration and Development

Sample Questions

- Can a check constraint can be added to metadata in ODI?

  A. No
  B. Yes
  C. Yes, but only after first executing additional scripts on the database
  D. No, they must be declared when customizing knowledge modules
Topic 4: ODI Project Development

Objectives

- Creating a project  
  Practitioner
- The ODI interface  
  Learner
- Concepts of mapping, joins, filters and implementing business rules  
  Learner
- Creating and executing a basic ODI Interface  
  Practitioner
- Creating Lookups  
  Practitioner
- ODI interfaces with multiple-source datastores  
  Practitioner
- Creating joins and lookups, and filter data  
  Practitioner
- Configuring flow in the ODI Interface, specifying the ODI Interface staging area and execution location  
  Practitioner
- Developing and modifying knowledge modules  
  Practitioner
- Run time  
  Learner
- Monitoring execution of interfaces  
  Practitioner
- Troubleshooting interface run-time errors and preventing errors when designing interfaces  
  Practitioner
- Configure business rules, variables, set-based operators, using data sets and sequences  
  Practitioner
- Partitioning, temporary indexes, and temporary interfaces  
  Practitioner
- User functions and substitution methods  
  Practitioner

Training Options

- Oracle University Training
  - Oracle Data Integrator 11g: Integration and Administration
  - Oracle Data Integrator 11g: Advanced Integration and Development

Sample Question

- Can an ODI interface implement filters and all relational business logic to load a target table?
  A. No, an ODI procedure must be added to set filters needed for loading
  B. No, parameters are needed for loading a configuration file
  C. Yes
Topic 5: Managing ODI Execution

Objectives
- Using ODI packages to create a complete workflow
- Using variables in packages
- Package steps
- Executing and monitoring packages
- Complex workflows with branches and loops
- Generating and regenerating ODI scenarios
- Load plan editor to define a load plan
- Designing a sequence of hierarchical steps for a load plan
- Creating Packages and Load Plans
- Managing exceptions with Load Plans
- Configuring Load Plans to restart child sessions

Level
Practitioner
Practitioner
Practitioner
Practitioner
Practitioner
Practitioner
Learner
Practitioner
Practitioner

Training Options
- Oracle University Training
  - Oracle Data Integrator 11g: Integration and Administration
  - Oracle Data Integrator 11g: Advanced Integration and Development

Sample Question
- What is a Package in ODI?

A. A workflow
B. A dataflow
C. A compiled version of an Interface
D. A PL/SQL package

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Topic 6: Integrating Oracle GoldenGate with ODI

Objectives

• Change Data Capture (CDC) and types of CDC implementations possible with ODI
• Deploy Oracle GoldenGate CDC with ODI
• Journalizing
• Interpreting and troubleshooting CDC

Level

Learner
Practitioner
Practitioner
Practitioner

Training Options

• Oracle University Training
  – Oracle Data Integrator 11g: Integration and Administration
  – Oracle Data Integrator 11g: Advanced Integration and Development

Sample Question

• What ODI Staging tables are populated by the Oracle GoldenGate (OGG) Journalization Knowledge Modules?

  A. JKM$ tables
  B. KM$ tables
  C. J$ tables
  D. OGGJKM$ tables
Topic 7: Doing more with ODI

Objectives

- The ODI Software Development Kit (SDK)  
  Level: Learner
- ODI Web-Based Components  
  Level: Learner
- The role of ODI in Big Data  
  Level: Learner
- The role of ODI in Business Intelligence integration  
  Level: Learner

Training Options

- Oracle University Training
  - Oracle Data Integrator 11g: Integration and Administration
  - Oracle Data Integrator 11g: Advanced Integration and Development

Sample Question

- Which operation that can be achieved using the ODI SDK?

  A. Create users
  B. Create a process
  C. Create an interface
Topic 8: Oracle Enterprise Data Quality (EDQ) Profiling

Objectives

• ODI and EDQ architecture components
  Level: Learner

• Configuring EDQ to work with Data Stores, Snapshots, Staged Data and Exports
  Level: Practitioner

• Basic statistics from data
  Level: Learner

• Track changing data from data stores
  Level: Learner

• Profiling results and Publish features
  Level: Learner

Training Options

• Oracle University Training
  – Oracle Data Integrator 11g: Integration and Administration
  – Oracle Data Integrator 11g: Advanced Integration and Development
  – Oracle Enterprise Data Quality: Profile, Audit and Operate
  – Oracle Enterprise Data Quality: Match and Parse

Sample Question

• Which capabilities support data quality management.

  A. Data synchronization
  B. **Data profiling**
  C. Data cleansing
  D. Data match and data merge
Topic 9: Oracle Enterprise Data Quality Batch Processing

Objectives

- The parsing process and referencing review results
- Matching process, identifying duplicated records, balance performance and duplicate detection accuracy
- Address Verification
- Invoke jobs including all processes from ODI

Level

- Learner
- Practitioner

Training Options

- Oracle University Training
  - Oracle Data Integrator 11g: Integration and Administration
  - Oracle Data Integrator 11g: Advanced Integration and Development
  - Oracle Enterprise Data Quality: Profile, Audit and Operate
  - Oracle Enterprise Data Quality: Match and Parse

Sample Question

- Oracle Enterprise Data Quality can be used for.

  A. Any real time data needs
  B. Optimized Data Profiling Performance
  C. Active-Active-High-Availability
Exam Registration

- **Taking an Oracle Certification Exam for the first time?**
  You can register for all Oracle certification exams with Pearson VUE. Before a registration can be submitted, a Pearson VUE profile must be created using your Company ID. Your Company ID can be obtained by contacting your local Oracle Partner Business Center or by signing in to your OPN account. Your Company ID is located in the section on the right under "Company information".

- **Have you completed an Oracle Certification Exam in the past?**
  Due to systems enhancements, each partner who has completed an Oracle Certification Exam will need to update their Pearson VUE profile in order to receive credit and for those records to appear in the OPN Competency Center.

  You can find a short tutorial on how to set-up your Pearson VUE account [here](#).
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