Oracle Data Integrator 19c Configuration and Administration (TTOR30319)

Category: AI, Data & Analytics | **Vendor:** Trivera Tech

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Oracle Data Integrator is a comprehensive data integration platform that covers all data integration requirements from high-volume, high-performance batch loads, to event-driven integration processes and SOA-enabled data services. Oracle Data Integrator's Extract, Load, Transform (E-LT) architecture leverages disparate RDBMS engines to process and transform the data - the approach that optimizes performance, scalability and lowers overall solution costs. Throughout this course participants will explore how to centralize data across databases, performing integration, designing ODI Mappings, and setting up ODI security. In addition, Oracle Data Integrator can interact with the various tools of the Hadoop ecosystem, allowing administrators and data scientists to farm out map-reduce operations from established relational databases to Hadoop. They can also read back into the relational world the results of complex Big Data analysis for further processing. Working in a hands-on learning environment led by our Oracle Certified expert facilitator, students will learn how to:Administer ODI resources and setup security with ODIApply ODI Topology concepts for data integrationDescribe ODI Model conceptsDescribe architecture of Oracle Data IntegratorDesign ODI Mappings, Procedures, Packages, and Load Plans to perform ELT data transformationsExplore, audit data, and enforce data quality with ODIImplement Changed Data Capture with ODI

About This Course

Oracle Data Integrator is a comprehensive data integration platform that covers all data integration requirements from high-volume, high-performance batch loads, to event-driven integration processes and SOA-enabled data services. Oracle Data Integrator's Extract, Load, Transform (E-LT) architecture leverages disparate RDBMS engines to process and transform the data - the approach that optimizes performance, scalability and lowers overall solution costs. Throughout this course participants will explore how to centralize data across databases, performing integration, designing ODI Mappings, and setting up ODI security. In addition, Oracle Data Integrator can interact with the various tools of the Hadoop ecosystem, allowing administrators and data scientists to farm out map-reduce operations from established relational databases to Hadoop. They can also read back into the relational world the results of complex Big Data analysis for further processing. Working in a hands-on learning environment led by our Oracle Certified expert facilitator, students will learn how to:

Administer ODI resources and setup security with ODI

Apply ODI Topology concepts for data integration

Describe ODI Model concepts

Describe architecture of Oracle Data Integrator

Design ODI Mappings, Procedures, Packages, and Load Plans to perform ELT data transformations

Explore, audit data, and enforce data quality with ODI

Implement Changed Data Capture with ODI

Who Should Attend

This intermediate-level hands-on course is geared for experienced Administrators, Analysts, Architects, Data Scientists, Database Administrators and Implementers

Learning Outcomes

Upon successful completion of this course, participants will be able to:

This course is approximately 50% hands-on, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Working in a hands-on learning environment led by our Oracle Certified expert facilitator, students will learn how to:

Administer ODI resources and setup security with ODI

Apply ODI Topology concepts for data integration

Describe ODI Model concepts

Describe architecture of Oracle Data Integrator

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Explore, audit data, and enforce data quality with ODI

Implement Changed Data Capture with ODI

Detailed Course Outline

Introduction to Integration and Administration

- Oracle Data Integrator: Introduction
- Oracle Data Integrator Repositories

Administering ODI Repositories

- Create and connect to the Master Repository
- Export and import the Master Repository
- Create, connect, and set a password to the Work Repository

ODI Topology Concepts

- ODI Topology: Overview
- Data Servers and Physical Schemas
- Defining Topology
- Agents in Topology
- Planning a Topology

Describing the Physical and Logical Architecture

- Topology Navigator
- Creating Physical Architecture
- Creating Logical Architecture

Setting Up a New ODI Project

- ODI Projects
- Using Folders
- Understanding Knowledge Modules
- Exporting and Importing Objects
- Using Markers

Oracle Data Integrator Model Concepts

- Understanding the Relational Model
- Understanding Reverse-Engineering
- Creating Models

Organizing ODI Models and Creating ODI Datastores

- Organizing Models
- Creating Datastores
- Constraints in ODI
- Creating Keys and References
- Creating Conditions
- Exploring Your Data
- Constructing Business Rules

ODI Mapping Concepts

- ODI Mappings
- Expressions, Join, Filter, Lookup, Sets, and Others
- Behind the Rules
- Staging Area and Execution Location
- Understanding Knowledge Modules
- Mappings: Overview

Designing Mappings

- Multiple Sources and Joins
- Filtering Data
- Overview of the Flow in ODI Mapping
- Selecting a Staging Area
- Configuring Expressions
- Execution Location
- Selecting a Knowledge Module

Mappings: Monitoring and Troubleshooting

- Monitoring Mappings
- Working with Errors

Designing Mappings: Advanced Topics 1

- Working with Business Rules
- Using Variables
- Datasets and Sets
- Using Sequences

Designing Mappings: Advanced Topics 2

- Partitioning
- Configuring Reusable Mappings
- Using User Functions
- Substitution Methods
- Modifying Knowledge Modules

Using ODI Procedures

- Procedures: Overview
- Creating a Blank Procedure
- Adding Commands
- Adding Options
- Running a Procedure

Using ODI Packages

- Packages: Overview
- Executing a Package
- Review of Package Steps
- Model, Submodel, and Datastore Steps
- Variable Steps
- Controlling the Execution Path

Step-by-Step Debugger

- Starting a Debug Session
- New Functions
- Menu Bar Icons

Managing ODI Scenarios

- Scenarios
- Managing Scenarios
- Preparing for Deployment

Using Load Plans

- What are load plans
- Load plan editor
- Load plan step sequence
- Defining restart behavior

Enforcing Data Quality with ODI

- Data Quality
- Business Rules for Data Quality
- Enforcing Data Quality with ODI

Working with Changed Data Capture

- CDC with ODI
- CDC implementations with ODI
- CDC implementation techniques
- Journalizing
- Results of CDC

Advanced ODI Administration

- Setting Up ODI Security
- Managing ODI Reports
- ODI Integration with Java

Additional Course Details

Nexus Humans Oracle Data Integrator 19c Configuration and Administration (TTOR30319) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Oracle Data Integrator 19c Configuration and Administration (TTOR30319) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Oracle Data Integrator 19c Configuration and Administration (TTOR30319)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Oracle Data Integrator 19c Configuration and Administration (TTOR30319) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Oracle Data Integrator 19c Configuration and Administration (TTOR30319) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Oracle Data Integrator 19c Configuration and Administration (TTOR30319)?

Yes, we provide corporate training, dedicated training, and closed classes for Oracle Data Integrator 19c Configuration and Administration (TTOR30319). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Oracle Data Integrator 19c Configuration and Administration (TTOR30319)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Oracle Data Integrator 19c Configuration and Administration (TTOR30319) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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