Oracle 19c Database Administration II (DBA II) (TTOR20619)

Category: Software Development & Programming | **Vendor:** Trivera Tech

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Geared for participants experienced with Oracle 19c DBA essentials Oracle 19c Database Administration II (Oracle DBA II) expands their understanding of Oracle database administration. Throughout the course students will explore coverage of Multitenant (CDB/PDB), database tuning, SQL tuning, and backup and recovery: the skills needed to keep a database running reliably and efficiently. The current release of the database is used for exercises and demonstrations, and the content back-ported as necessary for previous releases.

About This Course

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Who Should Attend

This hands-on course is geared for experienced DBAs with basic Oracle 19c skills.

Prerequisites & Entry Requirements

General Prerequisites:

This hands-on course is geared for experienced DBAs with basic Oracle 19c skills.

Learning Outcomes

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

This course combines expert lecture, real-world demonstrations and group discussions with machine-based practical labs andexercises. Working in a hands-on learning environment led by our expert facilitator, students will explore:

Creating CDBs and Regular PDBs

Managing CDBs and PDBs

Backup and Duplicate

Upgrading and Transporting CDBs and Regular PDBs

Backup Strategies and Terminology

Restore and Recovery Concepts

Using Flashback Technologies

Duplicating a Database

Installing Grid Infrastructure and Oracle Database

Patching Grid Infrastructure and Oracle Database

Upgrading to Oracle Grid Infrastructure

Using General Overall Database Enhancements

Monitoring and Tuning Database Performance

Managing Application PDBs

Managing Security in Multitenant databases

Recovery and Flashback

Configuring and Using RMAN

Diagnosing Failures

Performing Recovery

Transporting Data

RMAN Troubleshooting and Tuning

Creating an Oracle Database by using DBCA

Oracle Restart

Upgrading the Oracle Database

Installing Grid Infrastructure for a Standalone server

Using Availability Enhancements

Tuning SQL Statements

Detailed Course Outline

Creating CDBs and Regular PDBs

- Configure and create a CDB
- Create a new PDB from the CDB seed
- Explore the structure of PDBs

Manage CDBs and PDBs

- Manage PDB service names and connections
- Manage startup, shutdown and availability of CDBs and PDBs
- Change the different modes and settings of PDBs
- Evaluate the impact of parameter value changes
- Performance management in CDBs and PDBs
- Control CDB and PDB resource usage with the Oracle Resource Manager

Backup and Duplicate

- Perform Backup and Recover CDBs and PDBs
- Duplicate an active PDB
- Duplicate a Database

Upgrading and Transporting CDBs and Regular PDBs

- Upgrade an Oracle Database
- Transport Data

Backup Strategies and Terminology

- Perform Full and Incremental Backups and Recoveries
- Compress and Encrypt RMAN Backups
- Use a media manager
- Create multi-section backups of exceptionally large files
- Create duplexed backup sets
- Create archival backups
- Backup of recovery files
- Backup non database files
- Back up ASM meta data

Restore and Recovery Concepts

- Employ the best Oracle Database recovery technology for your failure situation
- Describe and use Recovery technology for Crash, Complete, and Point-in-time recovery

Using Flashback Technologies

- Configure your Database to support Flashback
- Perform flashback operations

Duplicating a Database

- Duplicate Databases

Install Grid Infrastructure and Oracle Database

- Install Grid Infrastructure for a Standalone server

  Install Oracle Database software

Patching Grid Infrastructure and Oracle Database

- Patch Grid Infrastructure and Oracle Database

Upgrading to Oracle Grid Infrastructure

- Upgrade Oracle Grid Infrastructure

Using General Overall Database Enhancements

- Install Oracle Database software

  Create, Delete and Configure Databases using DBCA

  Creating CDBs and Regular PDBs

  Use Miscellaneous 19c New Features

Monitoring and Tuning Database Performance

- Managing Memory Components

  Understanding the Automatic Workload Repository (AWR)

  Understanding the Advisory Framework

  Monitoring Wait Events, Sessions, and Services

  Managing Metric Thresholds and Alerts

  Understanding and Using the Performance Tuning Methodology

  Performing Performance Planning

  Understanding the Automatic

  Database Diagnostic Monitor (ADDM)

Manage Application PDBs

- Explain the purpose of application root and application seed

  Define and create application PDBs

  Install, upgrade and Patch applications

  Create and administer Application PDBS

  Clone PDBs and Application containers

  Plug and unplug operations with PDBs and application containers

  Comparing Local Undo Mode and Shared Undo Mode

Manage Security in Multitenant databases

- Manage Security in Multitenant databases

  Manage PDB lockdown profiles

  Audit Users in CDBs and PDBs

  Manage other types of policies in application containers

Recovery and Flashback

- Restore and Recovering Databases with RMAN

  Perform CDB and PDB flashback

Configuring and Using RMAN

- Configure RMAN and the Database for Recoverability

  Configure and Using an RMAN recovery catalog

Diagnosing Failures

- Detect and repair database and database block corruption

  Diagnosing Database Issues

Performing Recovery

- Restore and Recovering Databases with RMAN

  Perform Non RMAN database recovery

Transporting Data

- Transport Data

RMAN Troubleshooting and Tuning

- Interpret the RMAN message output

  Diagnose RMAN performance issues

Creating an Oracle Database by using DBCA

- Create, Delete and Configure

  Databases using DBCA

Oracle Restart

- Configure and use Oracle Restart to manage components

Upgrade the Oracle Database

- Plan for Upgrading an Oracle Database

  Upgrade an Oracle Database

  Perform Post-Upgrade tasks

Install Grid Infrastructure for a Standalone server

- Rapid Home Provisioning

Using Availability Enhancements

- Use an RMAN recovery catalog

  Use Flashback Database

Tuning SQL Statements

- Understanding the Oracle Optimizer

  Using the SQL Tuning Advisor

  Managing Optimizer Statistics

  Using the SQL Access Advisor

  Understanding the SQL Tuning Process

, Creating CDBs and Regular PDBs

Configure and create a CDB

Create a new PDB from the CDB seed

Explore the structure of PDBs

Manage CDBs and PDBs

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Change the different modes and settings of PDBs

Evaluate the impact of parameter value changes

Performance management in CDBs and PDBs

Control CDB and PDB resource usage with the Oracle Resource Manager

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Patching Grid Infrastructure and Oracle Database

Patch Grid Infrastructure and Oracle Database

Upgrading to Oracle Grid Infrastructure

Upgrade Oracle Grid Infrastructure

Oracle Database 18c: New Features

Image and RPM based Database Installation

Using General Overall Database Enhancements

Install Oracle Database software

Create, Delete and Configure Databases using DBCA

Creating CDBs and Regular PDBs

Use Miscellaneous 19c New Features

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Additional Course Details

Nexus Humans Oracle 19c Database Administration II (DBA II) (TTOR20619) 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 19c Database Administration II (DBA II) (TTOR20619) 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 19c Database Administration II (DBA II) (TTOR20619)?

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 5-day Oracle 19c Database Administration II (DBA II) (TTOR20619) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Oracle 19c Database Administration II (DBA II) (TTOR20619) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Oracle 19c Database Administration II (DBA II) (TTOR20619)?

Yes, we provide corporate training, dedicated training, and closed classes for Oracle 19c Database Administration II (DBA II) (TTOR20619). 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: What related terms do people search for?

Popular related searches include: Oracle DBA; Database

Q: Why choose Nexus Human for Oracle 19c Database Administration II (DBA II) (TTOR20619)?

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 19c Database Administration II (DBA II) (TTOR20619) 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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