

**ORACLE DATABASE 12C
ADVANCE ADMINISTRATOR II
EXAM NO: 1Z0-063**

Training Program

Complete OCP Track Training

**100,000+ Students
have been Trained**

**since
1997**

**Program is
offered by**

**3D EDUCATORS
INTL**
22 Years of
Excellence in
Training &
Development

**Invest in
People the
only Asset
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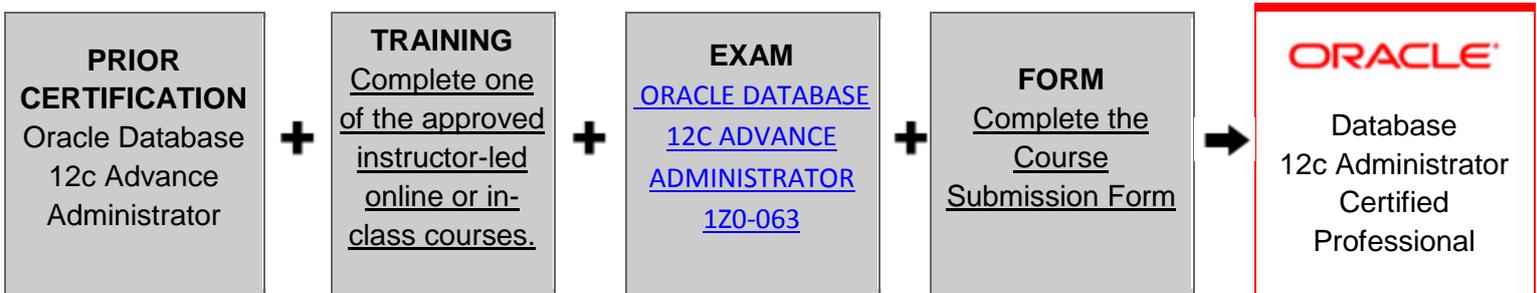
ORACLE 12cAdvance Administrator Training

Oracle 12c is designed to handle the ever-increasing data needs of modern organizations. Effective management of Oracle 12c capabilities can help organizations ensure the integrity and security of data. In this hands-on course, you maximize the features of Oracle 12c to build and maintain databases, configure memory and storage for optimal performance, and manage large amounts of data.

Oracle Certification Information (OCP - DBA)

Exam Number:	1Z0-063
Associated Certifications:	Oracle Database 12c DBA
Duration:	120 minutes
# of Questions:	80
Passing Score:	60%

Oracle Certified Professional





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Program Details

Inauguration

The Training Program will be inaugurated by a senior member of 3D EDUCATORS

Program Structure

No of classes per week **01 Class**
Duration of each class **3 - Hour**

Other Learning Activities

Classroom Assignment **6**
Presentations by Trainees **1**
Hands on Training **10 Hours**
Interactive Training with
server Technologies **10 Hours**

About the Program Instructor

The “12c DBA Administrator” training program has designed by the 3D-Educators – Trainers and Consultants.

The “11G DBA Administrator” Program has been conducted by Senior certified and qualified 12c Programmers and I.T. professionals, who having the huge experience of teaching and implementation of 11g. They have worked with various large commercial banks, Private, Multinational and public sector companies.

They trainers are foreign qualified and having the degrees of MBA, BCS along with the certification of Oracle E-Business Suit 11i 10, Oracle DBA and Siebel Certified Consultant, More they having the experience of Implementing ERP and database in local and multinational firms.

In Affiliation with





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Program Syllabus

Backup and Recovery

Oracle Data Protection Solutions

Explain Oracle backup and
recovery solutions

- Describe types of database failures
- Describe the tools available for backup and recovery tasks
- Describe RMAN and maximum availability architecture
- Use the SYSBACK privilege
- Use RMAN stand-alone and job commands

Configuring for Recoverability

Configure and manage RMAN
settings

- Configure persistent settings for RMAN
- View persistent settings
- Specify a retention policy

Configure the Fast Recovery Area

- Explain the Fast Recovery Area
- Configure the Fast Recovery Area

Configure control files and redo log
files for recoverability

- Multiplex control files
- Multiplex redo log files

Implementing Backup Strategies

Use various RMAN backup types
and strategies

Enable ARCHIVELOG mode

Create tape and disk based
backups

Create whole database backups

Create consistent and
inconsistent backups

Create backup sets and image
copies

Create backups of read-only
tablespaces

Employ best practices for data
warehouse backups



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Configuring RMAN Backup Options and Creating Backup of Non-Database Files

Use techniques to improve backups

- Create compressed backups
- Create multi-section backups of very large files
- Create proxy copies
- Create duplexed backup sets
- Create backups of backup sets
- Create archival backups

Perform backup of non-database files

- Back up a control file to trace
- Back up archived redo log files
- Back up ASM diskgroup metadata

Diagnosing Failures

Describe the Automatic Diagnostic Workflow

- Use the Automatic Diagnostic Repository
- Use ADRCI
- Find and interpret message output and error stacks
- Use the Data Recovery Advisor

Handle block corruption

- Detect block corruption using RMAN
- Perform block recovery using RMAN

Recovering Files Using RMAN

- Perform recovery for spfile, control file, redo log files
- Perform table recovery from backups
- Perform recovery of index and read-only tablespaces, temp file
- Restore a database to a new host

Using Flashback Technologies

Describe the Flashback technologies

- Configure a database to use Flashback technologies
- Guarantee undo retention

Use Flashback to query data

- Use Flashback Query
- Use Flashback Version Query
- Use Flashback Transaction Query
- Flash back a transaction

Perform Flashback Table operations

- Perform Flashback Table
- Restore tables from the recycle bin



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Describe and use Flashback Data Archive

- Use Flashback Data Archive
- Use DBMS_FLASHBACK_ARCHIVE package

Transporting Data

Describe and use transportable tablespaces and databases

- Transport tablespaces between databases using image copies or backup sets
- Transport databases using data files or backup sets
- Transport data across platforms

Monitoring and Tuning of RMAN Operations

Tune RMAN performance

- Interpret RMAN error stacks
- Diagnose performance bottlenecks
- Tune RMAN backup performance

Creating Multitenant Container and Pluggable Databases

Configure and create a CDB

Create a PDB using different methods

Unplug and drop a PDB

Migrate a non-CDB database to PDB

Managing Storage in a CDB and PDBs

Manage permanent and temporary tablespaces in CDB and PDBs

Managing Availability

Perform backups of a CDB and PDBs

Recover PDB from PDB datafiles loss

Use Data Recovery Advisor

Duplicate PDBs using RMAN



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Moving Data, Performing Security Operations and Interacting with Other Oracle Products

Use Data Pump

Use SQL*Loader

Audit operations

Use Other Products with CDB and PDBs - Database Vault, Data Guard, LogMiner

Performing Basic Backup and Recovery

Back up and recover a NOARCHIVELOG database

Perform backup and recovery in NOARCHIVELOG mode

Use SQL in RMAN

Using the RMAN Recovery Catalog

Create and use an RMAN recovery catalog

- Configure a recovery catalog
- Register target databases in a recovery catalog
- Catalog additional backup files
- Resynchronize a recovery catalog
- Use and maintain RMAN stored scripts
- Upgrade and drop a recovery catalog

Protect the RMAN recovery catalog

- Back up the recovery catalog
- Re-create an unrecoverable recovery catalog
- Export and import the recovery catalog



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Performing Backups

Perform full and incremental backups

- Create full and incremental backups
- Use the Oracle-suggested backup strategy

Manage backups

- Configure and monitor block change tracking
- Report on backups using LIST, REPORT commands
- Manage backups using CROSSCHECK, DELETE commands

Using RMAN-Encrypted Backups

Create RMAN-encrypted backups

- Use transparent-mode encryption
- Use password-mode encryption
- Use dual-mode encryption
- Restore encrypted backups

Performing Restore and Recovery Operations

Describe and tune instance recovery

Perform complete and incomplete recovery

- Use RMAN RESTORE and RECOVER commands
- Restore ASM disk groups
- Recover from media failures
- Perform complete and incomplete or “point-in-time” recoveries using RMAN

Using Oracle Secure Backup

Configure and use Oracle Secure Backup

Using Flashback Database

Perform Flashback Database

- Configure Flashback Database
- Perform Flashback Database



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Duplicating a Database

Choose a technique for duplicating a database

- From an active database, connected to the target and auxiliary instances
- From backup, connected to the target and auxiliary instances
- From backup, connected to the auxiliary instance, not connected to the target, but with recovery catalog connection
- From backup, connected to the auxiliary instance, not connected to the target and the recovery catalog
- Duplicate a database with RMAN

Create a backup-up based duplicate database

Duplicate a database based on a running instance

Managing Pluggable and Container Databases

Multitenant Container and Pluggable Database Architecture

- Describe the multitenant container database architecture
- Explain pluggable database provisioning

Managing a CDB and PDBs

- Establish connections to CDB/PDB
- Start up and shut down a CDB and open and close PDBs
- Evaluate the impact of parameter value changes

Managing Security in a CDB and PDBs

- Manage common and local users
- Manage common and local privileges
- Manage common and local roles
- Enable common users to access data in specific PDBs



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Managing Performance

- Monitor operations and performance in a CDB and PDBs
- Manage allocation of resources between PDBs and within a PDB
- Perform Database Replay



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Terms & Conditions

WITHDRAWAL FROM THE DIPLOMA/CERTIFICATION

Students are not allowed to withdraw from the Diploma. If a student cannot continue the Diploma his/her fee will be forfeited.

CONDUCT AND DISCIPLINE

A disciplinary action, leading to rustication, will be taken against students whose conduct is found objectionable at any time during the course of study. Reference will be made to 3D Educators code of conduct.

EVALUATION AND GRADING

The performance of students is evaluated through continuous observation of a student's performance in the Diploma – class participation, submission of assignments, quizzes and exercises.



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The student will be examined through three hourly exams conducted at the midterm and a final exam at the end of the program. Total marks for passing the Diploma will be 60 out of a total of 100.

Students who do not meet the attendance or any other eligibility criteria will not be allowed to appear in the final examination.

The following grading plan will be applicable for the Diploma:

A	87 - 100
B+	81 -86
B	72 - 80
C+	66 - 71
C	60 - 65
F	below 60



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Students who are unable to appear for the final exam are required to submit a written application stating the reason for not appearing for the exam. 3D Educators reserves the right to approve or deny such applications. If approved, the student will be allowed to sit for the exam within one month. Failure to do so, the student will be resubmit the examination fee and sit the future schedule exam. Without passing of the exams no certification will be awarded.



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ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to info@3deducators.com with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it info@3deducators.com. Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.

DISTANCE NOT MATTER

You can join in the live classes Sessions of 3D EDUCATORS – TRAINERS & CONSULTANTS from anywhere of the world.



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PRECAUTIONARY MEASURES

- During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- If you have taken the admission in the course online lonely, then ethically it is recommended and suggested that you alone in the class.
- Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

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Get the Admission Form

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