
Oracle Applications DBA (11i&R12)

1. Introduction to ERP:

An overview of E-Business suite, Advantages of an ERP system, Reasons for moving to ERP, Oracle E-Business suite as an Enterprise Resource Planning (ERP) solution.

2. Oracle Application Architecture:

Database Tier, Application Tier, Oracle HTTP Server (Apache), Forms Server, Reports Server, Admin Server, Concurrent Processing Server.

Client Desktop: Forms Client Applet, Oracle Jinitiator, Changes in the Desktop Tier in Release 12

Oracle Application Technology Layer: Oracle Applications DBA (AD), Oracle Application Object Library (FND), Oracle Common Modules (AK), Oracle Application Utilities (AU), Oracle Alert (ALR), Oracle Workflow (WF), Oracle Application Framework (OAF), Oracle XML Publisher (XML)

3. Oracle Application File System

- **11i Application Tier File System:** APPL_TOP, COMMON_TOP, Oracle Application Technology Stack
- **R12 File System:** Instance Home Overview, Instance Home Directory Structure, Changes in COMMON_TOP Directory Structure, Changes in Environment Files and Variables, Configuration files, Log Files

4. Installing Oracle Applications – single node (Installing Oracle Applications 11.5.10.2)

- **Planning the Installation:** System Requirement, Pre-installation Tasks
- **The installation process:** Starting rapid install, Single-Node Installation, Using Express configuration

5. Installing Oracle Applications – Multi-Node (Between Two Servers).

Installing Oracle Applications 11.5.10 CU2

- **Planning the Installation:** System Requirement, Pre-installation Tasks
- **The installation process:** Starting rapid install, Multi-Node Installation, Using Express configuration

6. Installing Oracle Applications – Multi-Node (Two Servers)

Installing Oracle Applications 11.5.10.2(11i)

- Planning the Installation, The installation process, Using Express configuration

7. Installing Oracle Applications Release 12(R12)

- Planning the Installation: System Requirement, Pre-installation Tasks
- The installation process: Starting rapid install, Using Express configuration – R12

8. Installing Oracle Applications – Multi-Node (Two Servers).

Installing Oracle Applications 12.1.1

- Planning the Installation: System Requirement, Pre-installation Tasks
- The installation process: Starting rapid install, Multi-Node Installation, Using Express configuration

9. Checking and Configuring Oracle Applications

- Database and listener check, Environment file check , HTTP and Web listener check, DBC File check
- Checking Forms Server, Logging into Oracle Applications

10. Managing Oracle Applications

- **Managing the Database:** Shutting down oracle database, Starting or stopping oracle database listener.
- **Managing applications:** Managing the middle tier listener, Managing the web server (Apache), Managing the Forms, Managing the reports server(only for Apps 11i), Managing the concurrent manager, Managing the OC4J (Only for R12), Managing the OPMN(only for R12), Starting/Stopping all the Middle Tiers

11. Concurrent processing and Concurrent Manager:

Starting concurrent manager, Location of concurrent manager log files, querying the concurrent manager, stopping concurrent manager, Submitting concurrent request

12. Patching Oracle Applications (11i & R12):

Patch classification, Patches, Mini-packs and Maintenance packs, Family consolidated upgrade patches (FCUP), Patch File Structure, Patch Drivers, Downloading a Patch, Oracle customer support (<https://support.oracle.com>) , Querying for Patches, Downloading a patch Applying a patch using **adpatch utility**, Applying patch in single-node System(11i and R12), Applying a patch in a two node or multinode systems (11i and R12)

13. Patching for Oracle database:

Downloading patches from Oracle customer connection

<https://support.oracle.com>

14. Oracle database upgrade from 9i to 10g to 11g and Oracle apps upgrade from (11i) 11.5.10.2 to R12.1.1

15. AD Utilities (11i and r12):

Auto patch Adadmin: Generate application files menu, Maintain applications files, Compile/Reload Applications database Entities, Maintain Applications Database Entries, Changing maintenance mode, Running AD administration in Non-interactive mode

16. Cloning (Oracle Apps 11i):

Applying the rapid clone patch, preparing the template, copying the files from the source to the target application system, configuring the target application system, Post-cloning tasks, Complete Cloning process on two servers, Database cloning as well as Application cloning.

17. Cloning (Oracle Apps R12):

Applying the rapid clone patch, Preparing the template, Copying the files from the source to the target application system, Configuring the target application system, Post-cloning tasks, Complete Cloning process on two servers, Database cloning as well as Application cloning

18. Oracle Apps R12 cloning single node to multimode

19. Oracle Apps R12 cloning multi node to Single node

20. Oracle Apps manager (11i and R12)

Application dash board: Overview, Critical activities, Diagnostics, Security

Site map: Administration, Oracle application manager log, monitoring Maintenance, Defining Responsibilities

21. Troubleshooting of Database servers, application servers and web servers

➤ Troubleshooting of Web servers, Troubleshooting of application server, Troubleshooting of concurrent manager, Troubleshooting of database servers, Troubleshooting of listener

22. FNDLOAD, FNDPASS (11i only), E-business suit security, DMZ, Custom TOP Creation.