

R12.2 Apps DBA

Course Content

Introduction to ERP

- Introduction to Enterprise Resource Planning (ERP)
- Proprietary ERP Software
- Origin of ERP

Introduction to Oracle E-Business Suite

- Introduction to Oracle E-Business Suite as an ERP Solution,
- Components / Product-Lines,
- How Oracle Applications Works? And related Terminology.

Oracle Applications Architecture

- Different Topologies in Oracle Applications
- 3-Tier Architecture
- Single Node Architecture
- Multi Node Architecture

Installation of Oracle E-Business Suite R12

- Systematic approach for Installing Oracle Apps 11i & R12 (Single Node & Multi Node)
- Installation of Operating System
- Pre-requisites configuration on OS before installing Apps 12.2
- Installation of Oracle Apps 12.2.x (Vision, Info on Fresh database Install, Upgrade mode Installation, Express Install)
- Post steps after Apps installation

Oracle Applications File System layout

- Deep Dive into Oracle Applications file systems (FS1- Run file system, FS2- Patch file system, FS_NE - Non Editioned file system, Shared APPL_TOP)

- Deep Dive into Oracle Apps 12.2.x Database Layout (APPS, APPLSYS, APPLSYSPUB, APPS_NE, GUEST etc..)

Application Service Groups

- Root (OPMN, Node Manager)
- Admin (Admin Server)
- Web Entry Point (HTTP)
- Batch Processing Services
- Other Services

Password Maintenance

- Password Changing Activity in Oracle Applications 12.2.x (FNDCPASS, Weblogic Console, Weblogic Data source. APPS Password Encryption Info & dependency)

Autoconfig Engine

- Context file
- Driver files
- template files
- configuration files
- context editor
- Customizations using Autoconfig
- Customization using autoconfig templates

HTTP Server changes in 12.2.x

- HTTP Server and its Changed behavior in 12.2.x (Connection Redirection with mod_wl_ohs.conf, apps.conf, httpd.conf etc.,)

Managing concurrent programs

- Lifecycle of Concurrent Requests, Request sets, Defining custom managers, Internal Monitor, Generic Service Manager, Transaction Managers)
- Parallel Concurrent Processing(PCP) in 12.2.x

Profiles in 12.2.x

- Working with Profile options in 12.2.x(Site Level, org level, resp level, server level, user level, hierarchy, visibility of profile options)

Change management in 12.2.x

- Autoconfig, FMW Control or EM Console, Weblogic Admin Console, Context editor

Oracle Applications Manager (OAM)

- System Management using OAM(OAM Dashboard, Sitemap, system monitoring, diagnostic tools in OAM)

APPS DBA Online Patching (ADOP)

- Anatomy of a patch, Patch wizard
- PREPARE- In depth of Prepare Phase
- APPLY - In depth of Apply Phase with all options, HOT PATCH, DOWNTIME MODE
- FINALIZE, CUTOVER , DUMMY CUTOVER, CLEANUP,PRECAUTIONS TO SPEEDUP CUTOVER,FINALIZE
- Trouble shooting ADOP

Opatch Utility

- Working with Patching tools (OPATCH, Smart Update (BSU))

Apps Cloning in 12.2.x

- Cloning Oracle applications in 12.2.x(Rapid clone)
- Advanced Cloning options in 12.2.x (Single-Node Cloning, Multinode Cloning, Cloning issues/Fixes)

Troubleshooting & Tuning in APPS

- Troubleshooting / Performance Tuning - (Proactive, Reactive Tuning, DB Tuning with parameters, Introduction to database statistics)

- Wait-Events in Oracle Applications database, Troubleshooting a long running request in Oracle Applications 12.2.x)
- Troubleshooting/Performance tuning Weblogic Managed Servers (OACORE, OAFM, FORMS_SERVER, Admin Server, Node Manager)
- Troubleshooting/Performance Concurrent Manager, Gather stats

Upgrading Oracle Apps

- Upgrade Oracle Applications from 12.2.0 to 12.2.4

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