

ORACLE APPLICATIONS DBA COURSE CONTENT

(Covers 11i and R12)

❖ **ORACLE E-BUSINESS SUITE – AN OVERVIEW:**

- What is ERP
- Reasons for Moving to ERP
 - Advantages of ERP
 - Oracle E-business Suite as an ERP Solution

❖ **ORACLE APPLICATION ARCHITECTURE:**

- Database Tier
- Application Tier
 - Oracle HTTP Server (Apache)
 - Forms server
 - Reports Server(R12 Does not have reports server)
 - Admin Server
 - Concurrent Processing Server
 - Discoverer Server
 - New changes in R12
- Client Desktop
 - Forms Client Applet
 - Oracle J2SE plug-in
 - Changes in the Desktop Tier in Release 12.
- Oracle Application Technology Layer
 - Oracle Application DBA(AD)
 - Oracle Application Object Library (FND).
 - Oracle Common Modules (AK)
 - Oracle Application Utilities (AU).
 - Oracle Alerts (ALR)
 - Oracle Workflow(WF)
 - Oracle Application Framework (OAF).
 - Oracle XML Publisher.

❖ **ORACLE APPLICATION FILE SYSTEM:**

- 11i Application Tier File System.
- APPL_TOP.
- COMMON_TOP.
 - Oracle Application Technologies 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.

❖ **INSTALLING ORACLE APPLICATION:**

- Installing Oracle Applications 11.5.10 CU2.
- Planning the Installation
 - System Requirements.
 - Pre-Installation Tasks.
- The Installation Process.

- Starting the Rapid Install.
- Single Node Installation.
- Multi Node Installation.
- Running Rapid Install from the Second Node.
- Using Express Configuration.
- INSTALLING ORACLE APPLICATIONS RELEASE 12.
- Planning the Installation.
 - System Requirements.
 - Pre-Installation Tasks.
- The Installation Process.
 - Starting the Rapid Install.
- Using Express configuration in R12.

❖ **CHECKING AND CONFIGURING ORACLE APPLICATION:**

- Database and listeners check.
- Environment File checks.
- HTTP and Web Listener check.
 - Testing the virtual Directories of the Web Listener.
 - DBC File check.
 - Testing DBC File.
 - Testing JSP
- Checking Forms Server.
- Configuring Oracle Application.
- Configuring Client Desktop.
 - Logging in to Oracle Application.
 - Setting Preferences.
 - Using Profiles for customization
 - Launching Direct forms.

❖ **MANAGING ORACLE APPLICATIONS:**

- Managing the Database.
 - i. Starting the Oracle Database.
 - ii. Shutting Down Oracle Database.
 - iii. Starting / Stopping Database Listener.
- Managing Applications.
 - Managing the Middle Tier listener.
 - Managing the Web Server (Apache).
 - Managing the forms.
 - Managing the Reports Server (Only for 11i).
 - Managing the Discoverer Server (Optional Component)
 - Managing Concurrent Manager
 - Managing OC4J (only for R12).
 - Managing the OPMN(Only for R12).
 - Starting / stopping all the Middle Tiers.

❖ **CONCURRENT PROCESSING AND CONCURRENT MANAGERS:**

- Internal Concurrent Manager
- Conflict Resolution Manager.
- Standard Manager.
- Concurrent Program.
- Concurrent Program Libraries.
- Starting Concurrent Manager.

- Location of Concurrent Manager Logfiles.
- Querying the Concurrent Manager.
- Stopping Concurrent Manager.
- Submitting Concurrent Request.
- Flow of a concurrent Request
- Combination of Phase and Status.
 - The Completed Phase
 - The Running Phase
 - The Pending Phase
 - The Inactive Phase
- Defining concurrent Managers.
 - Parallel concurrent Processing details.
 - Program Library
 - Specialization Rules
 - Work shifts
 - Defining work shifts.
- Administrating Concurrent Managers.
 - Defining concurrent Managers
 - Administering concurrent Managers.
- Generic Service Management
 - Benefits of Service Management
 - Important Diagnostic Scripts

❖ **PATCHING ORACLE APPLICATIONS:**

- Patch Classification
 - Patches, mini-packs and maintenance Packs
- Family Packs and Family consolidated upgrade patches(FCUP)
- Patch file structure
- Patch Drivers.
- How Auto Patch works
- Features of Auto Patch
- Downloading a Patch
- Metalink Log in page
- Querying for patches
- Downloading a patch
- Applying a Patch
- Applying a patch in a Multi-node system
- Applying a Patch in a two –node or multimode system.
- Interactive and Non-Interactive patching
- Interactive patching (Standard Mode)
- Auto Patch Modes
- Test Mode
- Pre-Install Mode
- Merging Patches
- Applying Merged Patches.
- Adpatch Command Line Options
- Patch Failures
- Restarting Auto Patch
- Enhancements in Patching Utilities in R12
 - Manual Steps infrastructure
 - Monitoring Patches in Progress.

❖ **AD UTILITIES:**

- Auto Patch
- Adadmin
 - Generate Application files Menu
 - Maintain Application Files.
 - Compile /Reload Application Database Entities
- Changing Maintenance Mode
 - Running AD Administration in Non_interactive mode
- ADCTRL
 - Running AD controller Non-Interactively
- AdSplice
 - AD Splicer control Files
 - AD Relink (adrelink.sh)
- Running the AD Relink
 - File Character Set Conversion (adncnv)
 - ODF comparison (Adodfcomp).

❖ **CLONING:**

- Adclone
 - Running Rapid Install
 - Running Adclone
 - Shutdown the Source Database
 - Copying the APPL_TOP
 - Running Adclone in Post-Clone Mode
 - Post Cloning Tasks
- Auto Config
 - Migrating to Autoconfig
 - Applying Autoconfig Patch
 - Migrating to Auto Config on the Database Tier.
 - Migrating to Auto config on the Application Tier.
 - Generate and Apply Autoconfig configuration files.
- Rapid Clone
 - Apply the Rapid Clone Patch
 - Preparing the Template
 - Copying the Files From the Source to the Target Application System
 - Configuring the Target Application system.
 - Post-clone Tasks.
 - Sanity check

❖ **OVERVIEW OF DB UPGRADE 9.2.0.6 TO 10.2.0.3 IN:**

- Application environment (11.5.10.2)

❖ **OVERVIEW OF ORACLE APPLICATION MANAGER (OAM):**

❖ **MANAGING APPLICATION SECURITY:**

- Creating Users.
- Defining Responsibilities