R12.2.9 Install/Patch/Maintain Oracle E-Business Suite

Oracle E-Business Suite

DURATION	MODULES	COURSE CODE
5 Days	**25 Lectures**	**—**

Course Overview

This E-Business Suite training teaches the essentials of installing and maintaining an Oracle E-Business Suite R12.2.9 system. Learn about the changes in Oracle E-Business Suite architecture and explore how to perform online patching using adop (the new patching utility).

What You Will Learn

Oracle E-Business Suite Overview

- Objectives
- Introduction to Oracle E-Business Suite – 1
- Introduction to Oracle E-Business Suite – 2
- Overview of Oracle E-Business Suite components – 1
- Overview of Oracle E-Business Suite components – 2
- User Interfaces
- The Oracle E-Business Suite Home Page
- Oracle E-Business Suite Home Page – 1
- Oracle E-Business Suite Home Page – 2
- Two Types of User Interfaces
- HTML Interface
- Forms Interface
- Architecture
- Oracle E-Business Suite Architecture Overview
- Oracle E-Business Suite Multi-Tier Architecture
- Oracle E-Business Suite Architecture
- Technology Stack and Database
- Notable Features
- Oracle E-Business Suite notable features
- Installing Oracle E-Business Suite – 1
- Installing Oracle E-Business Suite – 2

- Control Scripts
- Online Patching
- Administration Utilities
- AutoConfig configuration management utility
- Concurrent Processing
- Oracle Workflow
- Cloning tools
- Summary

Oracle E-Business Suite Architecture

- Objectives
- Oracle E-Business Suite Architecture Overview
- Oracle E-Business Suite Multi-Tier Architecture – 1
- Oracle E-Business Suite Multi-Tier Architecture – 2
- Client Tier Services
- Oracle E-Business Suite Multi-Tier Architecture
- Client Tier components
- Application Tier Services
- Application Tier components – 1
- Application Tier components – 2
- Forms Services
- Application Tier: Form Services
- Application Tier: Forms Services Architecture – 1
- Application Tier: Forms Services Architecture – 2
- Web Services – Java/OAF Services
- Application Tier: Java Application Services
- Oracle Applications Framework (OAF)
- Application Tier: HTML-Based Applications
- Application Tier: Oracle Application Framework Processing
- Web Services – HTTP Services
- Oracle HTTP Server (OHS)
- Concurrent Processing Services
- Application Tier: Concurrent Processing Server
- Concurrent Processing Services
- Database Tier
- Oracle Homes from Release 12.2
- Oracle Homes Architecture
- Other Technology Stack components
- Technology Stack components overview
- Technology Stack and Database
- Oracle E-Business Suite Technology Layer
- Applications DBA (AD)
- Oracle Application Object Library (FND)
- Oracle Applications Utilities (AU)
- Oracle Workflow (WF)

- Oracle BI Publisher
- Oracle Alert
- Oracle Web Applications Desktop Integrator
- Oracle Application Manager (OAM)
- Oracle User Management (UMX)
- Oracle Enterprise Command Center Framework
- Summary

Before you Install

- Objectives
- Overview of Rapid Install – 1
- Overview of Rapid Install – 2
- Preparing for Rapid Install
- Prepare the resources
- Technology Stack Components
- Technology Stack product versions information
- Supported Platforms
- Platform-Specific Software Requirements
- CPU Requirements
- Memory Requirements
- Disk Space Requirements
- General Sizing Guidelines
- Sizing Guidelines for Oracle Application Framework Transactions
- Sizing Guidelines for Oracle Forms Transactions
- Overview of Preparatory Tasks
- Create Operating System Accounts (UNIX)
- Create Operating System Accounts (Windows)
- Stage Product Image
- Stage Area
- Installation Software
- Installation Software Components
- Create the Stage Area
- Download Software – 1
- Download Software – 2
- Run buildStage Script
- Build Stage Menu
- Main Menu – Option 1
- Main Menu – Option 2
- Main Menu – Option 3
- Stage Area Structure
- Global Inventory
- Prepare the run Rapid Wizard
- Overview of Installation Procedure
- How an Installation Works
- Basic Installation

- Typical Installation
- Oracle RAC Installation
- Oracle Real Application Clusters
- Oracle RAC: Actions of Rapid Install
- Run Rapid Install from the Stage Area
- Using an Alias for the Host Machine
- Rapid Wizard Considerations
- Rapid Install – Supply Configuration Values
- Installation Type
- Specifying an Installation Environment – Database Types
- Specifying an Installation Environment
- Registering Products and Country-Specific Functionalities
- Selecting NLS Settings
- Selecting Configuration Parameters
- Validating Configuration Parameters
- Complete the Installation Using Rapid Install
- Restarting an Installation Run
- Configuration File Usage
- Rapid Install Log Files
- Obtaining Help in Rapid Install
- Summary

Performing an Installation

- Objectives
- Standard Installation
- Standard Installation Overview
- Standard Installation Steps
- Step 1: Start the Rapid Install Wizard
- Step 2: Select a Wizard Operation
- Step 3: Supply Email Details (Main)
- Step 4: Identify Configuration File
- Step 5: Specify Global System Settings
- Step 5: Specify Global System Settings: Ports
- Step 6: Define Database Node Configuration
- Step 6: Define Database Node Configuration: Vision Demo Database
- Step 6: Define Database Node Configuration: Select Folder
- Step 7: (Optional) Oracle RAC Installation
- Step 7: (Optional) Oracle RAC Installation: Storage Type
- Step 7: (Optional) Oracle RAC Installation: Select RAC Nodes
- Step 8: Select Licensing Type
- Step 9: License Additional Products
- Step 10: License Products
- Step 11: Select Country-Specific Functionality
- Step 12: Select Internationalization Settings: Overview
- Step 12: Select Internationalization Settings

- Step 13: Primary Applications Node Configuration (UNIX)
- Step 13: Primary Applications Node Configuration (Windows)
- Step 14: Specify Primary Applications Node Services: Overview
- Step 14: Specify Primary Applications Node Services
- Service Groups and Services in Release 12.2
- Step 15: Supply Application User Information
- Step 16: Review Node Information
- Step 17: Review Pre-Install Checks
- Step 17: Review Pre-Install Checks: Icons
- Step 17: Review Pre-Install Checks: Parameters
- Step 18: Components Installation Review
- Step 19: Begin Installation
- Step 20: Monitor Installation Progress
- Restart the Installation (If Required)
- Step 21: Post-Install Review
- Step 22: Connect to Oracle Applications
- Express Installation
- Overview of Express Installation
- Express Installation Steps
- Step 1: Start Rapid Install Wizard
- Step 2: Select Express installation
- Step 3: Supply Email Details (Main)
- Step 4: Configuration Values
- Step 5: Pre-Install Checks
- Correct Any Problems
- Step 6: Begin Installation
- Summary

After you Install

- Objectives
- Post-Installation Steps Overview
- Required Post-Installation Steps
- Update the Technology Stack
- Update to the latest Release Update Pack (RUP)
- Log In to Oracle E-Business Suite
- Verify E-Business Suite Home Page access
- Change Default Passwords
- Run AutoConfig
- Create Your Own JAR File Signature
- Configure Database Initialization Parameters
- Update PL/SQL Log and Out Directory
- Implement Product and Country-Specific Functionality
- Configure Client Software
- Installation-specific Post-Installation Steps
- Conditional Tasks Specific to Your Installation

- Set Up Printers: Generic Steps
- Set Up Printers: Windows-Specific Steps
- Resize Your Database
- Set Up National Language Support (NLS)
- Set Up Unicode Character Sets
- Setup Lightweight MLS
- Complete Oracle Workflow Notification Mailer Configuration
- Convert to a Public Sector, Education, or Not-for-Profit System
- Create Oracle E-Business Suite Back Up process
- Understand System Administration and Maintenance Tasks
- Product-specific post-installation steps
- Summary

Environment Files, Control Scripts and Languages

- Objectives
- Introduction to Environment Files – 1
- Introduction to Environment Files – 2
- Application Tier Environment Files
- Database Tier Environment Files
- Notable Environment Files and Settings
- <CONTEXT_NAME>.env Environment File
- Key Parameters in <CONTEXT_NAME>.env to Support Online Patching
- Key Parameters in <CONTEXT_NAME>.env – 1
- Key Parameters in <CONTEXT_NAME>.env – 2
- Key Parameters in <CONTEXT_NAME>.env – 3
- Key Parameters in <CONTEXT_NAME>.env – 4
- Temporary Files
- The adovars.env File – 1
- The adovars.env File – 2
- The adconfig.txt File
- The fndenv.env File
- The devenv.env File
- Control Scripts
- Application Tier Server Control Scripts: Overview
- Control Scripts and Service Groups
- AutoConfig Managed Service Groups and Services
- Service Groups and Services in Release 12.2
- Application Tier Server Control Scripts: Usage
- Application Tier Server Control Scripts – 1
- Application Tier Server Control Scripts – 2
- Application Tier Server Control Scripts – 3
- Modifying Environment Files
- Languages
- Oracle E-Business Suite Languages: Overview
- Oracle E-Business Suite Languages – 1

- Oracle E-Business Suite Languages – 2
- Character Sets: Introduction
- Character Sets: Database Tier
- Character Sets: Application Tier
- Character Sets: Desktop Tier
- Globalization and Country-Specific Functionalities
- Dates
- Numbers
- NLS and the Application Tier
- NLS Patches
- Translated Language Items
- Summary

Oracle E-Business Suite File System

- Objectives
- Oracle E-Business Suite File System Overview
- Application Tier Key Top-Level directories
- Database Tier Key Top-Level directories
- Notable file system details
- Dual File System to Support Online Patching
- Dual File System
- File System Layout
- Instance Home
- EBSapps Directory
- Fusion Middleware Home
- Common Components Directory
- appl Directory
- APPL_TOP Directories: admin
- APPL_TOP Directories: ad
- APPL_TOP Directories: au
- APPL_TOP Directories: fnd
- Java Files and Directories
- Product Directories
- Product Directories: Overview
- Product Directories: admin
- Product Directories: bin
- Product Directories: forms
- Product Directories: help
- Product Directories: html
- Product Directories: java
- Product Directories: lib
- Product Directories: mds
- Product Directories: media
- Product Directories: mesg
- Product Directories: patch

- Product Directories: reports
- Product Directories: sql
- Database Directories
- Summary

Key Oracle E-Business Suite Database Features

- Objectives
- Oracle E-Business Suite Database Overview – 1
- Oracle E-Business Suite Database Overview – 2
- Oracle E-Business Suite Database Object Types
- Database Schemas
- Oracle E-Business Suite Product Schemas
- APPS Schema
- Additional Schemas
- Notable database features
- APPLSYSPUB Schema Used During Signon
- Scalability Feature: Oracle Real Application Clusters
- Performance Feature: Query Optimization
- Performance Feature: Database Resource Manager
- Performance Feature: Partitioning
- Performance Feature: Oracle Applications Tablespace Model
- Multiple Languages in the Database
- Online Patching database features
- Database Implementation to Support Online Patching
- Three File Systems and One Database
- Three Types of Database Edition
- Editioned and Non-Editioned Objects
- Editioning Views and the Application Data Model
- Database Tier Control Scripts
- Database Tier Server Process Scripts: Overview
- Database Tier Server Process Scripts: List
- Database Tier Server Process Scripts: Usage
- Summary

Introduction to Oracle Application Manager

- Objectives
- What is Oracle Applications Manager?
- Benefits of Oracle Applications Manager
- Oracle Applications Manager Integrates with …
- Management Pack for Oracle E-Business Suite
- Integration with Oracle Enterprise Manager 11g Fusion Middleware Control
- OAM Features
- Navigation in OAM
- OAM Dashboard
- Applications Dashboard Overview

- Applications Dashboard
- OAM Site Map
- Site Map Overview
- Site Map – Administration
- Site Map – Monitoring
- Site Map – Maintenance
- Site Map – Diagnostics and Repair
- OAM License Manager
- Introduction to License Manager
- License Manager Reports
- Accessing License Manager
- License Manager Home Page
- Registering Products
- Registering Oracle E-Business Suite
- Post-Registration Steps
- Registering Component Applications
- Registering Individual Products
- Registering Country-Specific Functionalities
- Registering Languages
- License Manager Reports
- Licensed Products Report
- Shared Products Report
- Country-Specific Functionalities Report
- Languages Report
- License Summary Report
- Summary

Patching Concepts

- Objectives
- Patching Overview
- Oracle E-Business Suite Patching Overview
- Patch Types – 1
- Patch Types – 2
- Patch Terminology
- Codelines
- Codelevels
- Patch Components
- Unified Patch Driver Files
- Other Patch Components
- Patch Creation Overview – 1
- Patch Creation Overview – 2
- Patching Order
- Patching Order – 1
- Patching Order – 2
- Using My Oracle Support

- Searching for Patches on My Oracle Support
- Patching Utilities
- Application Database and Technology Stack RUPs
- Patching Utilities
- Command Line Patching Utilities
- AD Online Patching Utility
- AD Merge Patch
- Patch Application Assistant
- OPatch
- Smart Update
- Web-based Patching Utilities
- Summary

Overview of Online Patching

- Objectives
- Introduction to Online Patching
- Overview of Online Patching Implementation
- Architectural Changes to Support Online Patching
- File System structure for Online Patching
- Dual File System
- File System Layout
- Environment Variables
- Three File Systems and One Database
- Database Feature for Online Patching
- Database Implementation
- Three Types of Database Edition
- Editioned and Non-Editioned Objects
- Editioning Views and the Application Data Model
- Database Editioning Views
- Cross Edition Triggers
- The Online Patching Cycle
- The Online Patching Cycle: Five Main Phases
- Special Phases of Patching Cycle
- Phase 1 – Prepare
- Phase 2 – Apply
- Phase 3 – Finalize
- Online Patching Cycle – Abort
- Phase 4 – Cutover
- Phase 5 – Cleanup
- Summary

Using the adop Utility

- Objectives
- AD Online Patching Utility
- Key Points About adop Operation

- Online Patching Cycle
- Running the adop Utility
- adop Commands
- Executing the Patching Cycles
- Prepare phase
- Online Patching Cycle – Prepare
- Prepare Phase – adop Actions
- Before you Run the Prepare Phase
- Running the Prepare Phase
- Apply phase
- Online Patching Cycle – Apply
- Apply Phase – adop Actions
- Apply Phase – Interactive, Non-Interactive, and Test Modes
- Applying Patches in Interactive Mode
- Applying Patches in Non-Interactive Mode
- Parameters in Input_file
- Parameter in Defaults File
- Order of Parameters
- Applying Patches in Test Mode
- Finalize phase
- Online Patching Cycle – Finalize
- Finalize Phase – adop Actions
- Finalize Phase – Command
- Finalize Phase – Modes
- Cutover phase
- Online Patching Cycle – Cutover
- Cutover Phase – adop Actions
- Running the Cutover Phase
- Cutover Phase and Manual Steps
- Cleanup phase
- Online Patching Cycle – Cleanup
- Cleanup Phase – adop Actions
- Running the Cleanup Phase
- Cleanup Phase – Modes
- Abort phase
- Online Patching Cycle – Abort
- Abort Phase – adop Actions
- Running the abort Phase
- Important Points about Abort
- fs_clone phase
- Online Patching Cycle – fs_clone
- Running the fs_clone Phase
- actualize_all procedure
- Online Patching Cycle – actualize_all
- Running the actualize_all Phase
- Other adop considerations

- Status of a Patching Cycle
- adop Help
- Patching in Multi-Node Environments
- adop Remote Invocation
- Multi-Node Manual Patching
- Hotpatch Mode
- Hotpatch Mode Restrictions
- Downtime Mode
- Preinstall Mode
- Summary

Patching to the Latest Code Level

- Objectives
- Patching to the Latest Code Level – 1
- Patching to the Latest Code Level – 2
- Applying ETCC required patches
- EBS Technology Codelevel Checker (ETCC)
- Multiple Technology Components
- Patching Utilities to Patch Technology Components
- Patching Order of Technology Components
- Patching the Database
- Patching the Middle Tier components – Overview
- Patching the WebLogic Server
- Patching OHS and Oracle Common Modules
- Patching Forms and Reports
- Applying the STU patch
- Applying Consolidated Seed Table Upgrade Patch
- Applying the AD and TXK RUPs
- Apply latest AD and TXK RUPs – 1
- Apply latest AD and TXK RUPs – 2
- Applying the Release 12.2.9 RUP
- Apply Oracle E-Business Suite 12.2.9 RUP – 1
- Apply Oracle E-Business Suite 12.2.9 RUP – 2
- Summary

Using Oracle Applications Manager Patching Features

- Objectives
- Applied Patches Reporting Tool
- Use of Applied Patches Reporting Tool
- Applied Patches Reporting Tool: Additional Information
- Applied Patches Information
- adop Modes and Applied Patches Information
- Accessing Applied Patches Information
- Applied Patches: Search Pages
- Applied Patches: Simple Search

- Applied Patches: Advanced Search
- File History: Search Pages
- File History: Simple Search
- File History: Advanced Search
- Applied Patches Reports
- Patch Details Report
- Files Copied Report
- Bug Fixes Report
- Action Summary Report
- Action Details Report
- Timing Reports
- Accessing Timing Reports
- adop Timing Details
- Run Information
- AD Administration Timing Detail
- Job Timing
- Phase Information
- Product Information
- Product Information – Specific Product Details
- View Log Files
- View Log Details Page
- Summary

Technical Configuration – AutoConfig

- Objectives
- Introduction to AutoConfig
- AutoConfig Tasks
- Context Files
- Working with Context Files
- Applications Context File
- Database Context File
- Benefits of the Context Files – 1
- Benefits of the Context Files – 2
- Benefits of the Context Files – 3
- Benefits of the Context Files – 4
- AutoConfig Process Overview
- AutoConfig Operation
- AutoConfig Template Files
- Modify AutoConfig configurations on OAM
- How to Modify the Context Files – Running AutoConfig From OAM
- AutoConfig Main Screens – 1
- AutoConfig Main Screens – 2
- Editing AutoConfig-Managed Configuration Files
- Editing Parameters
- Confirming Changes

- Running AutoConfig to apply changes
- Running AutoConfig on the Server
- AutoConfig Operation: Overview
- Running AutoConfig: Procedure
- Running AutoConfig: Application Tier
- Running AutoConfig: Database Tier
- AutoConfig Log Files
- Rolling back AutoConfig file system changes
- Rolling Back an AutoConfig Session: Overview
- Rolling Back an AutoConfig Session: Procedure
- Restoring AutoConfig database changes
- Restoring an AutoConfig Session
- Restoring a Previous Configuration – 1
- Restoring a Previous Configuration – 2
- Restoring a Previous Configuration – 3
- Comparing Configurations
- AutoConfig Test Mode
- Running AutoConfig In Test Mode: Overview
- Running AutoConfig in Test Mode: Procedure
- AutoConfig in Test Mode: Reports
- File System Changes Report
- Database Changes Report
- Other AutoConfig considerations
- Parallel Run Option
- AutoConfig Profiler
- Context Variable Information Utility
- Using AutoConfig on Oracle RAC
- Steps to Support AutoConfig on Oracle RAC
- Reduced role of AutoConfig in Release 12.2
- Reduced Role for AutoConfig
- Summary of Configuration Changes – 1
- Summary of Configuration Changes – 2
- Summary of Configuration Changes – 3
- Summary

Configuring Web Application Services and Managing OHS

- Objectives
- Configuration Tools
- Getting Started With Oracle WebLogic Server
- Oracle E-Business Suite and WebLogic Server
- Oracle WebLogic Server Domain
- Components of a Domain
- Domain Components Explained – 1
- Domain Components Explained – 2
- Domain in Oracle E-Business Suite

- Web Applications
- FMW_HOME Directory Structure
- EBS_ORACLE_HOME Directory Structure
- Utilities for WebLogic Domain Administration
- Overview of Administration Console
- Administration Console: E-Business Suite Specific Restrictions
- Starting the Administration Console
- Elements of Administration Console
- Using the Change Center
- Undoing Changes and Releasing the Configuration Lock
- Elements in the Tool Bar – 1
- Elements in the Tool Bar – 2
- Getting Started With Oracle Fusion Middleware Control
- Fusion Middleware Control
- Displaying Fusion Middleware Console
- Elements of Fusion Middleware Control
- Configuring Web Application Services and Managing OHS
- New AutoConfig Tools for System Configuration
- AutoConfig Tool: adRegisterWLSListeners.pl
- AutoConfig Tool: adSyncContext.pl
- adRegisterWLSListeners.pl vs adSyncContext.pl
- Managing Web Applications
- Managing oacore Configuration Parameters at Application Level: Parameters
- Managing Other Configuration Parameters at Application Level – 1
- Managing Other Configuration Parameters at Application Level – 2
- Customize Configuration via WebLogic Server Administration Console
- Managing Classpath and JVM Arguments of a Managed Server – UI
- Managing Classpath and JVM Arguments of the WebLogic Admin Server
- Changing the Port Number of a Managed Server
- Editing the Port Number from the WebLogic Server Administration Console
- Update the Managed Server Port – 1
- Update the Managed Server Port – 2
- Add a New Managed Server – 1
- Add a New Managed Server – 2
- Delete a Managed Server – 1
- Delete a Managed Server – 2
- Managing OHS Configurations
- Updating AutoConfig-Managed OHS Configurations
- Updating Seeded OHS Configurations
- Modify OHS Protocols or Port Numbers
- Summary

Introduction to AD Utilities

- Objectives
- AD Utilities: Overview

- AD Utilities: Configuration and Environment Files
- AutoConfig Managed AD Utility Files
- Non-Auto Config AD Utility Files
- Web-based Utilities
- Web-Based AD Utilities – 1
- Web-Based AD Utilities – 2
- Command Line Utilities
- Command Line AD Utilities – 1
- Command Line AD Utilities – 2
- Command Line AD Utilities: Where do you Run?
- Command Line Utilities Process
- AD Utilities: Setting the Environment
- Running the Command Line AD Utilities
- AD Utilities: Common Features
- Version Matching
- AD Utilities: Prompts
- Interactive and Non-interactive Processing
- Parallel Processing: Introduction
- Parallel Processing: Managers
- Parallel Processing: Workers
- Parallel Processing: Deferred Jobs
- Database Processing Phases – 1
- Database Processing Phases – 2
- Log Files
- Worker Log Files
- Restart Files
- Manager and Worker Log Messages – 1
- Manager and Worker Log Messages – 2
- Command Line Utilities Other Considerations
- Distributed AD
- Distributed AD: Requirements
- Distributed AD: Usage
- Command Line Utilities Arguments
- Command Line Arguments: Overview
- Command Line Arguments: Examples
- Command Line Arguments: help
- Command Line Arguments: logfile
- Command Line Arguments: interactive
- Command Line Arguments: defaultsfile
- Command Line Arguments: workers
- Command Line Arguments: localworkers
- Command Line Arguments: abandon
- Command Line Arguments: restart
- Command Line Arguments: menu_option
- Command Line Arguments: printdebug
- Command Line Arguments: wait_on_failed_job

- Command Line Arguments: parallel_index_threshold
- Command Line Arguments: flags
- AD Utilities Flags: trace
- AD Utilities Flags: logging
- AD Utilities Flags: hidepw
- Summary

AD Admin: Generate Applications Files

- Objectives
- AD Administration
- Preliminary Tasks
- AD Administration Prompts
- AD Administration Log Files: Errors
- AD Administration Log Files: Other Files
- AD Administration Main Menu
- Generate Applications Files Menu
- Generate Message Files Option
- Generate Message Files
- Generate Message Files: Example
- Generate Form Files Option
- Generate Form Files – 1
- Generate Form Files – 2
- Generate Form Files – 3
- Generate Form Files: Example
- Generate Report Files Option
- Generate Report Files – 1
- Generate Report Files – 2
- Generate Product JAR Files Option
- Generate Product JAR Files
- Summary

AD Admin: Maintain Applications Files

- Objectives
- Maintain Applications Files
- Relink Applications Programs Option
- Relink Oracle E-Business Suite Programs
- Relink Applications Programs: Example
- Copy Files to Destinations Option
- Copy Files to Destinations
- Convert Character Set Option
- Convert Character Set: Menu Options
- Convert Character Set: Scan APPL_TOP
- Convert Character Set: Scan Custom Directory
- Convert Character Set Menu Option
- Convert Character Set: Example

- Maintain Snapshot Information Option
- Maintain Snapshot Information: Types
- Maintain Snapshot Information
- Maintain Snapshot Information: Menu Options
- Check for Missing Files Option
- Check for Missing Files: Example
- Summary

AD Admin: Maintain Database Entities

- Objectives
- Maintain Database Entities: Menu Options
- Validate APPS Schema Option
- Validate APPS Schema: Report
- Validate APPS Schema: When do you Run?
- Recreate Grants and Synonyms Option
- Recreate Grants and Synonyms
- Recreate Grants and Synonyms: When do you Run?
- Check DUAL Table Option
- Check DUAL Table
- Check DUAL Table: Example
- Summary

AD Admin: Compile/Reload Database Entities

- Objectives
- Compile/Reload Database Entities Menu Options
- Compile APPS Schema Option
- Compile APPS Schema
- Compile APPS Schema: When do you Run?
- Compile Menu Information Option
- Compile Menu Information
- Compile Flexfield Data Option
- Compile Flexfield Data in Oracle AOL Tables
- Compile Flexfield Data: Example
- Reload JAR Files to Database Option
- Reload JAR Files to Database
- Summary

AD Admin: Non-Interactive Operations

- Objectives
- Running AD Administration in Non-Interactive Mode
- Generating a Defaults File with AD Administration
- Using adalldefaults.txt with AD Administration
- Running AD Administration using adalldefaults.txt
- Menu Options – 1

- Menu Options – 2
- Menu Options – 3
- Summary

AD Configuration and Management Utilities

- Objectives
- AD Controller
- Running AD Controller
- AD Controller
- AD Controller Menu
- Reviewing Worker Status
- Worker Status Values
- Worker Status Flow
- Resolving a Failed Worker
- Determining Why a Worker Failed
- Restarting a Failed Worker
- Restarting a Failed Patch Process
- Terminating a Hanging Worker Process
- Restarting a Terminated Worker
- Restarting a Terminated Child Process
- Restarting an AD Utility After a Machine Crash
- Shutting Down Managers
- AD Relink
- AD Relink Overview
- Running AD Relink
- Relink Executable Programs
- AD Relink Syntax
- AD Splicer
- AD Splicer: Introduction
- AD Splicer: Control Files
- AD Splicer: Usage
- AD Splicer: Editing Product Configuration File
- AD Splicer: Post-Splice Steps
- File Character Set Converter
- File Character Set Converter: Introduction
- File Character Set Converter: Usage
- Summary

AD Reporting Utilities

- Objectives
- AD Configuration
- AD Configuration: Introduction
- AD Configuration: Features
- AD Configuration: Examples
- AD File Identification

- AD File Identification: Introduction
- AD File Identification: Examples
- AD Job Timing Report
- AD Job Timing Report: Introduction
- AD Job Timing Report: Features
- AD Job Timing Report: Introduction
- AD Job Timing Report: Examples
- AD Job Timing Report: Reducing Downtime
- Summary

Cloning Oracle E-Business Suite

- Objectives
- Cloning Principles and Terminology
- Cloning Scenarios
- Overview of the Cloning Process
- Prerequisite Steps
- Overview of Prerequisite Steps
- Disk Space Requirements on Source System
- Verify OS requirements on Target System
- Verify Inventory Requirements
- Location of oraInst.loc
- Verify Source and Target Nodes Software Versions: Perl
- Verify Source and Target Nodes Software Versions: Zip
- Verify Source and Target Nodes Software Versions: Unzip
- Verify Source and Target Nodes Software Versions: OS Utilities
- Apply Required Patches
- Run AutoConfig on the Application Tier
- Synchronize Applications Utilities on the Database Tier
- Run AutoConfig on the Database Tier
- Run ETCC
- Maintain Snapshot Information
- Performing the Clone
- Cloning Phases
- Prepare the Source System Database Tier for Cloning
- Prepare the Source System Application Tier for Cloning
- Copy the Database Tier File System
- Copying Process Specific to Application Tier from Release 12.2
- Copy Application Tier from Source to Target Run Edition File System
- Dual File System Directory Structure
- Configure the Target System Database
- Configure the Target System Application Server Nodes
- Finishing Tasks
- Finishing Tasks: Overview
- Finishing Tasks: Update Instance-Specific Settings
- Finishing Tasks: Final
- Other considerations

- Refreshing a Target System – 1
- Refreshing a Target System – 2
- Refreshing a Target System – 3
- Refreshing a Target System
- Cloning Multi-Node Systems
- Cloning Multi-Node Systems – Diagram
- O