

R12.2 Install/Patch/Maintain Oracle E-Business Suite

Duration: 5 Days

What you will learn

This class provides training applicable to Oracle E-Business Suite Releases 12.2. It does not provide training applicable to Oracle E-Business Suite Releases 12.0 and 12.1 (the architecture of Release 12.2 is different compared to Releases 12.0 and 12.1).

To learn how to install, patch, and maintain an Oracle E-Business Suite Release 12.0 or 12.1 system, you may consider taking the R12.x Install/Patch/Maintain Oracle E-Business Suite class.

This R12.2 Install/Patch/Maintain Oracle E-Business Suite training teaches you how to install and maintain an Oracle E-Business Suite Release 12.2 system. You'll participate in extensive hands-on activities and interact with expert Oracle University instructors to build relevant knowledge and skills.

Learn To:

Install Oracle E-Business Suite.

Describe the architecture.

Identify key files and their purposes.

Navigate the file system and database.

Explain online patching, its implementation, and the patching cycle.

Use adop (the new patching utility) to apply patches and update to the latest codelevel.

Work with WebLogic Server Administration Console and Fusion Middleware Control to configure web applications and manage Oracle HTTP server configurations.

Run maintenance tools and utilities.

Clone Oracle E-Business Suite.

Benefits to You

After this course, you'll be able to make informed decisions about how to install an Oracle E-Business Suite system that meets specific requirements. You'll also know how to perform online patching and maintain the system afterwards.

Maintenance Topics

Both Standard and Express installation types are covered in detail. Maintenance topics include a detailed examination of the newly introduced tools and utilities, in addition to the existing standard utilities. Take an in-depth look at performing online patching of an Oracle E-Business Suite system.

Participate in Hands-On Activities

These hands-on activities include: performing an installation on a Linux system, navigating the file system to locate key files, running the maintenance tools and utilities, using adop to perform online patching and updating to the latest code level, configuring web applications and managing Oracle HTTP server configurations, and carrying out cloning operations.

Audience

Database Administrators
Database Designers
Functional Implementer
Project Manager
Support Engineer
Technical Consultant

Course Objectives

Gain an overview of Oracle E-Business Suite

Install Oracle E-Business Suite

Describe Oracle E-Business Suite architecture

Identify key files and their purposes

Navigate the Oracle E-Business Suite file system

Identify key features of the Oracle E-Business Suite database

Perform online patching using the adop utility

Run Oracle E-Business Suite maintenance utilities

Use WebLogic Server Administration Console to configure web applications

Use Fusion Middleware Control to manage configuration of Oracle HTTP Server

Clone Oracle E-Business Suite

Course Topics

Oracle E-Business Suite Architecture

Describe the Oracle E-Business Suite Architecture

Describe Technology Stack and Database

Desktop Tier

Application Tier

Database Tier

Oracle E-Business Suite Utilities

Before You Install

- Overview of Rapid Install
- Supported Platforms and Environments
- Database and Application Tier Sizing Guidelines
- Prerequisites and Preparatory Tasks
- Starting Rapid Install

Performing an Installation

- Installation Types and Options
- Standard Installation
- Express Installation

After you Install

- Required Post-Installation Steps
- Conditional Post-Installation Steps
- Administration and Maintenance Tasks

Environment Files, Control Scripts, and Languages

- Oracle E-Business Suite Environment Files
- Application Tier Service Control Scripts
- Character Sets
- Globalization Features
- Language Support

Oracle E-Business Suite File System

- Dual File System Overview
- File System Layout
- INST_TOP Directory Structure
- EBSapps Directory
- Fusion Middleware Home
- APPL_TOP Directory Structure
- Product Directories
- Database Directories

Oracle E-Business Suite Database

- Database Overview
- Oracle E-Business Suite Database Objects and Schemas
- Database Implementation to Support Online Patching
- Three Types of Database Edition
- Editioning Views and the Application Data Model
- Database Tier Server Process Scripts and Usage

Patching Concepts

- Patch Types and Terminology
- Codelines and Codelevels
- Patch Components
- Patching Order
- Patching Utilities
- Command Line Patching Utilities
- Web-based Patching Utilities

Using the adop Utility

- Online Patching Cycle

- Running the adop Utility
- adop Commands
- Executing the Patching Cycle
- Patching in Multi-Node Environments

Patching to the Latest Code Level

- EBS Technology Codelevel Checker (ETCC)
- Patching Utilities to Patch Technology Components
- Patching Order of Technology Components
- Apply Latest AD and TXK RUPs
- Apply Latest Oracle E-Business Suite RUP

Using Oracle Applications Manager Patching Features

- Applied Patches Reporting Tool
- Applied Patches Information
- adop Modes and Applied Patches Information
- Accessing Applied Patches Information
- Applied Patches Reports
- Timing Reports

Technical Configuration - AutoConfig

- AutoConfig Tasks
- Context Files
- AutoConfig Operation
- Modify the Context Files by Running AutoConfig from OAM
- Editing AutoConfig-Managed Configuration Files
- Restoring and Comparing Configurations
- Running AutoConfig
- Running AutoConfig In Test Mode

Configuring Web Application Services and Managing OHS

- Configuration Tools
- Getting Started With Oracle WebLogic Server
- Getting Started With Oracle Fusion Middleware Control
- New AutoConfig Tools for System Configuration
- Managing Web Applications
- Managing Classpath and JVM Arguments of a Managed Server
- Changing the Port Number of a Managed Server
- Managing OHS Configurations

Introduction to AD Utilities

- Overview
- Setting the Environment
- AutoConfig Managed AD Utility Files
- Command Line Arguments and Flags
- Web-Based AD Utilities
- Running the AD Utilities
- Interactive and Non-interactive Processing
- Distributed AD

AD Administration: Generate Applications Files

- Preliminary Tasks

- Prompts and Log Files
- Generate Applications Files Menu
- Generate Message Files
- Generate Form Files
- Generate Report Files
- Generate Product JAR Files

AD Administration: Maintain Applications Files

- Maintain Applications Files Menu
- Relink Applications Programs
- Copy Files to Destinations
- Convert Character Set
- Maintain Snapshot Information
- Checking for Missing Files

AD Administration: Maintain Database Entities

- Maintain Database Entities Menu
- Validate APPS Schema
- Recreate Grants and Synonyms
- Check DUAL Table

AD Administration: Compile/Reload Database Entities

- Compile/Reload Database Entities Menu
- Compile APPS Schema
- Compile Menu Information
- Compiling Flexfield Data in AOL Tables
- Reloading JAR Files into Database

AD Administration: Non-Interactive Operation

- Using Defaults File with AD Administration
- Running AD Administration in Non-Interactive Mode

AD Configuration and Management Utilities

- AD Controller Overview
- Worker Status Flow
- Shutting Down Managers
- AD Relink Overview
- AD Splicer Overview
- File Character Set Converter

Reporting Utilities

- AD Configuration
- AD File Identification
- AD Job Timing Report

Cloning Oracle E-Business Suite

- Principles and Terminology
- Cloning Scenarios
- Prerequisite Steps
- Cloning Steps
- Finishing Tasks
- Refreshing a Target System

