

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

Duration: 10 Days (4 hrs/Day)

What You Will Learn

This course provides training applicable to Oracle E-Business Suite Release 12.2 (current release 12.2.15), the latest release under Oracle's Continuous Innovation model with Premier Support through at least 2037. Release 12.2 introduces a fundamentally different architecture from 12.0/12.1: a WebLogic Server-based application tier and Online Patching using Edition-Based Redefinition (EBR) with a dual run/patch file system. The course explains how to install, patch, and maintain an EBS 12.2 system, and covers certification with Oracle AI Database 26ai and 19c.

Learn To

- Install Oracle E-Business Suite 12.2 with Rapid Install (StartCD)
- Identify key files and their purposes
- Navigate the dual (fs1/fs2) file system and the database
- Run AD and TXK maintenance tools and utilities
- Apply patches using Online Patching (ADOP) on the dual file system
- Clone Oracle E-Business Suite with Rapid Clone and ADOP

Goals of This Course

After this course you'll be able to make informed decisions about installing an EBS 12.2 system that meets specific requirements, and you'll know how to maintain and patch it afterward using the Online Patching cycle.

Hands-On Practices

You'll participate in extensive hands-on practices: performing an installation on Linux, navigating the file system to locate key files, running the AD/TXK maintenance utilities, executing a full Online Patching cycle (prepare, apply, finalize, cutover, cleanup), and carrying out cloning operations.

Audience

- Administrators and Oracle Applications DBAs
- Database Administrators and Systems Administrators

Course Objectives

- Gain an overview of Oracle E-Business Suite 12.2
- Install Oracle E-Business Suite 12.2 and describe its architecture
- Identify key files, navigate the dual file system, and describe the EBS database

- List advanced configuration options
- Run EBS maintenance utilities (AD and TXK)
- Apply patches using Online Patching (ADOP)
- Clone Oracle E-Business Suite

Course Topics

Oracle E-Business Suite 12.2 Overview

- EBS home page and architecture; the technology stack (WebLogic Server, Oracle HTTP Server, Forms, Java)
- Installation tools and EBS products
- Key 12.2 architecture concepts: dual file system, run edition vs patch edition, Edition-Based Redefinition (EBR)

Preparing for Your Installation

- Overview of Rapid Install and the StartCD
- Supported platforms and environments (certified with Oracle AI Database 26ai and 19c)
- Prerequisites and preparatory tasks; running the EBS Technology Codelevel Checker (ETCC)
- Starting Rapid Install; obtaining help

Performing an Installation

- Installation types and options; standard installation
- Single-node and multi-node deployments
- Finishing the installation; required and conditional post-installation steps

Architecture, Components, and Technology Layer

- Desktop, application, and database tiers
- Application tier: WebLogic Server (Fusion Middleware) and Oracle HTTP Server
- Oracle Applications DBA (AD) and Application Object Library (AOL)
- EBS utilities; environment files, control scripts, and languages
- Character sets, globalization, and language support

The Dual File System

- File system overview: fs1, fs2, and fs_ne (non-editioned)
- Run edition and patch edition; the role of the file system editions in Online Patching
- INST_TOP, APPL_TOP, and product directories; technology stack directories
- Database tier and application tier file systems

The Oracle E-Business Suite Database

- Database overview; objects, schemas, and editioning views
- Implementing Multiple Organizations (MOAC) and reporting currencies
- Monitoring, performance, and scalability features
- Database tier server control scripts

Advanced Configuration Options

- Shared application tier file system
- Load balancing and network features
- Adding and configuring nodes

Using the AD and TXK Utilities

- Setting the environment; AD/TXK utilities overview

- Command-line arguments and flags; AD utility features and prompts
- Parallel processing options and distributed AD
- Log and restart files

AD Administration Tasks

- Generate applications files: message, form, report, and product JAR files
- Maintain applications files: relink programs, copy files, maintain snapshot information, check for missing files
- Maintain database entities: validate APPS schema, recreate grants and synonyms, maintain multilingual tables
- Compile/reload database entities: compile APPS schema and menu information, reload JAR files
- Non-interactive (defaults file) operation

AutoConfig

- AutoConfig overview and context files
- Running AutoConfig; log files; rolling back a session; test mode

License Manager and Reporting Utilities

- Registering EBS, component applications, individual products, country-specific functionality, and languages
- License Manager reports
- AD configuration, AD file identification, and AD job timing reports
- AD Splicer; file character set converter

Online Patching (ADOP)

- Online Patching concepts: Edition-Based Redefinition and the dual file system
- Patch terminology and components; downloading patches; using Patch Wizard
- The Online Patching cycle: prepare, apply, finalize, cutover, and cleanup phases
- Running ADOP; hotpatch and downtime modes; aborting a patching cycle
- Applied patches information and patching reports

Cloning Oracle E-Business Suite

- Principles and terminology; cloning scenarios
- Prerequisite steps; cloning steps with Rapid Clone and ADOP
- Finishing tasks; refreshing a target system
- Cloning a multi-node system; adding a node to an existing system