

R12.2.9 Oracle Applications System Administrator Fundamentals

Duration: 5 Days

Course Outlines:

1 Introduction

- Course Objectives
- Overview
- Oracle E-Business Suite System Administration
- Oracle E-Business Suite Security
- Concurrent Processing in Oracle E-Business Suite
- Oracle Applications Manager
- Oracle Workflow
- Personalizations in Oracle E-Business Suite
- Summary

2 Oracle E-Business Suite System Administrative Responsibilities

- Objectives
- System Administrative Responsibilities
- System Administration Responsibility
- System Administrator Responsibility
- Functional Administrator and Functional Developer Responsibility
- Integrated SOA Gateway Responsibility
- Summary

3 Introduction to Oracle E-Business Suite Security

- Objectives
- Successive Layers of Access Control
- Increasing Flexibility and Scalability
- Function Security
- Data Security
- Oracle User Management Layers of Access Control
- Role-Based Access Control (RBAC)
- Delegated Administration
- Provisioning Services
- Self Service and Approvals
- Introduction to Single Sign-On
- Simplified User Management
- Centralized Account Provisioning
- On Demand User Creation
- Automatic Linking of User Accounts
- Summary

4 Introduction to Function Security

- Objectives
- Overview of Function Security
- Defining a New Application User
- Applications
- Using Responsibilities
- Responsibility Components
- Responsibility Creation Process

- Defining a New Responsibility
- Defining a Menu
- Identifying Existing Menu Structures
- Menu Guidelines
- Creating a Menu (Forms UI / HTML UI)
- Modifying an Existing Menu Definition
- Securing Functions
- Navigator Menus
- Menu Viewer
- Adding a Custom Form Function
- Passable Forms Parameters
- Query-Only Forms
- Form Window Name Changes
- Help Target Changes
- Submit Request Parameters
- Summary

5 Introduction to Data Security

- Objectives
- Introduction to Data Security
- Data Security Components – Objects
- Grants
- Permissions and Permission Sets
- Data Security Policies
- Example of a Data Security Policy
- Summary

6 Introduction to User Management

- Objectives
- What Is Oracle User Management?
- Intended Audience
- Access Control Model
- Successive Layers of Access Control
- Function Security
- Responsibilities
- Data Security
- Role-Based Access Control (RBAC)
- Role Categories and Inheritance Hierarchies
- Delegated Administration
- Proxy Users
- Provisioning Services
- Self-Service and Approvals
- Login Assistance
- Summary

7 Implementing Oracle User Management

- Objectives
- Steps for Implementation
- Introduction to Roles
- Defining Roles (Data Security Policies, Responsibilities, Permissions)
- Role Inheritance Hierarchies

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COURSE OUTLINE

- Role Categories
- Advantages of Roles Over Responsibilities
- Delegated Administration (User, Role, Organization Privileges)
- Registration Processes
- Self-Service Account Requests
- Requests for Additional Access
- Account Creation by Administrators
- Proxy Users
- Security Reports
- Creating, Inactivating, Reactivating User Accounts
- Resetting Passwords
- Self-Service Features
- Login Assistance

8 Introduction to Concurrent Requests

- Objectives
- Concurrent Requests, Programs, Managers
- Business Needs for Concurrent Processing
- Submit Request Flow
- Using Parameters
- Submission Schedule
- Completion Options (Forms / HTML UI)
- Request ID
- Reprinting Reports
- Requests Window (Forms / HTML UI)
- Additional Tasks for Requests
- Viewer Options
- Canceling / Holding Requests
- Changing Request Options
- Four Phases of a Concurrent Request
- Monitoring Privileges
- Reviewing Log Files
- Purging Request Results

9 Managing Concurrent Requests

- Objectives
- Grouping Programs and Requests
- Request Groups
- Request Group Codes
- Customization Example
- Passable Request Parameters
- Controlling Access with RBAC
- Defining Request Sets (Stages, Linking, Parameters)
- Submitting Request Sets
- Privileges (User / System Administrator)

10 Administering Concurrent Managers

- Objectives
- Overview of Concurrent Processing
- GSM (Generic Service Management)
- Defining Concurrent Managers
- Work Shifts
- Specialization Rules
- Action Types

- Request Types
- Conflicts Domains
- Control Functions (Forms UI / OAM)
- Internal Monitor and ICM
- Transaction Manager
- Monitoring Requests in OAM
- Activity Reports
- Log and Output Files
- Parallel Concurrent Processing

11 Introduction to Oracle Applications Manager (OAM)

- Objectives
- What is OAM?
- Benefits
- Integration with Enterprise Manager

12 System Monitoring in OAM

- Objectives
- Navigation in OAM
- Applications Dashboard (System Status, Config Changes, Alerts, Performance, Security, Business Flows)
- Site Map (Administration, Monitoring, Maintenance, Diagnostics)
- Host Management
- Application Services
- Concurrent Requests
- Workflow
- Database Status Details
- Monitoring Forms
- Custom Reporting Utilities
- Setting Up OAM (Dashboard Config, Alerts, Knowledge Base, Signon Audit)

13 OAM Diagnostics and Troubleshooting

- Objectives
- Diagnostics and Repair
- Troubleshooting Wizards
- Recovery Wizard
- Service Infrastructure Wizard
- Forms Monitoring Wizard
- Dashboard Collection Wizard
- Support Cart

14 Managing Profile Options

- Objectives
- Personal Profile Values
- System Profile Options (Hierarchy Types, Levels, Categories)
- Searching Profile Options
- Using Defaults
- Auditing, Currency, Flexfield, Reporting Options

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15 Introduction to Oracle Workflow

- Objectives
- Enabling E-Business
- Traditional vs Event-Based Workflow
- Workflow-Driven Processes
- Sample Workflow Process
- Subscription-Based Processing
- System Integration
- Designing Applications for Change and Integration

16 Oracle Workflow Components

- Objectives
- Workflow Architecture
- Workflow Engine
- Workflow Processes
- Workflow Builder
- Business Event System
- Advanced Queuing
- Database Communication Alternatives
- Workflow Web Pages
- Notification System
- Worklist Web Pages
- Email Notifications
- Directory Services
- Status Monitor
- Workflow Definitions Loader
- Workflow XML Loader
- Workflow Manager
- Service Components
- Documentation

17 Workflow Tasks for the System Administrator

- Objectives
- Administrator Monitor (Viewing Workflows, Activity History, Status Diagrams, Notifications)
- Workflow Manager (Service Components, Notification Mailers, Configuration, Errors, Purging Data)
- Queue Propagation, Agent Activity

18 SOA and Web Services for the System Administrator

- Objectives
- Service-Oriented Architecture
- Web Services
- Integrated SOA Gateway
- Oracle Integration Repository
- Service Provider (SOAP / REST Services)
- Service Life Cycle Activities
- Authentication and Authorization
- Composite Service Enablement (BPEL)
- Custom Interfaces and Services
- Logging Configuration
- Service Monitor
- Service Invocation Framework (SIF)

19 Auditing System Resources

- Objectives
- Auditing User Activity
- Sign-On Audit Reports
- Purging Audit Records
- Monitoring Users
- Auditing Database Changes
- AuditTrail Setup
- Audit Shadow Tables

20 Managing Printers

- Objectives
- Print Definition Components
- Defining Printers
- Printing with Pasta
- Customization Materials

21 Overview of Flexfields

- Objectives
- Benefits of Flexfields
- Key and Descriptive Flexfields
- Structures and Segments
- Value Sets
- Flexfield Value Security
- Implementing Flexfields

22 Overview of Personalizations

- Objectives
- Testing Access Before Deployment
- Forms Personalizations
- OA Framework Personalizations
- User vs Administrator Personalizations
- Personalizations vs Extensions
- Benefits

23 Appendix – Overview of Folders

- Objectives
- Folder Definition
- Administering Folders
- Assigning Default Folders
- Assigning Ownership
- Deleting Folder Definitions

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