

Oracle ADF 12c Training Course

Introduction to Fusion and ADF

Oracle ADF and JDeveloper
Oracle Fusion Middleware
Oracle Fusion Architecture
ADF and MVC
More about ADF

Exploring JDeveloper

JDeveloper 12c New Features
Building ADF Application in JDeveloper
Configuring JDeveloper Preferences

Database Schema Design

Database Designing Tools in JDeveloper
Creating Offline Objects
Synchronize Online-Offline Database

Data Modeling with ADF Business Components

Advantages of ADF BC
ADF BC Categories
Creating ADF Business Components
Business Component Browser

Entity Objects and Associations

Data Persistence using Entity Objects
Creating Entity Objects
Modify Entity Object Default Behaviour
Associations

View Objects and View Links

Populating Data in View Objects
Creating View Objects
View Links
Creating View Criteria
Creating List of Values

Application Modules

Designing Application Module
Creating Application Module
Application Module Editor
Testing Service Methods

Programmatically Modifying Default Behavior

Supporting Java Classes
Modify Entity Object Behavior
Modify View Object Behavior
Service Methods and Application Module

Business Validation

- Validation Life Cycle
- Built-in Declarative Validation Rules
- Validation Execution
- Failure Handling
- Groovy Support
- Creating Validation Rule Class

Introduction to User Interface Technologies

- User Interface – Available Technologies
- Java Server Faces
- ADF Faces

Understanding ADF Data bindings

- ADF Data Model and Bindings
- Exposing Business Components as Data Controls
- JSF Expression Language
- Binding Components to Data

Understanding ADF Task Flows

- Characteristics of ADF Task Flow
- Creating a Task Flow
- Using ADF Task Flow Components
- Using Method Call Activities
- Creating Managed Beans

Enriching the Page Content

- ADF Faces Rich Client Components
- Using Facets
- Using ADF Faces Components
- UI and Translation

Understanding Layout Basics

- ADF Faces Layout Components
- ADF Faces Skins
- Enabling PPR

Ensuring Re-usability

- Pros and Cons of Reusability
- Reusing Components
- Designing for Reuse
- Creating ADF Library
- What Fits your Requirements

Implementing Page Navigation

- ADF Faces Navigation Components
- Performing Navigation
- Defining Access Keys
- Using Train Components

Handling Application Events

- JSF Page Life Cycle

ADF Lifecycle Phases
Creating Action Methods
Value Change Events

Managing and Validating Data

Holding Values in Data Model
Holding Values in Managed Beans
Passing Values between Pages
Validation Event Points
ADF Binding Validation
ADF Faces Validation

Transaction Management

Handling Transactions with ADF BC
Transaction in ADF Task Flow
Specifying Task Flow Transaction Start Options

Troubleshooting ADF Applications

Logging and Diagnostics
Java Logging
ADF Logging
ADF Declarative Debugger
UI Troubleshooting Tools
Configuring ADF Logging

Deploying ADF Applications (WebLogic)

Creating a WAR Profile
Creating a EAR Profile
Testing the Server Connectivity
Deploying the Application

Runtime Customization

Declarative Components

Web Services

ADF Security