CLD200

SAP Extension Suite

COURSE OUTLINE

Course Version: 20
Course Duration:

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Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation	
Demonstration	
Procedure	
Warning or Caution	
Hint	
Related or Additional Information	
Facilitated Discussion	
User interface control	*Example text*
Window title	*Example text*

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Development Consultant
- Super / Key / Power User
- Business Process Architect
- Business Process Owner/Team Lead/Power User
- Developer
- Enterprise Architect
- Solution Architect

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UNIT 1 SAP Business Technology Platform (BTP)

Lesson 1: Introducing SAP Business Technology Platform (BTP)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the SAP Business Technology Platform

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UNIT 2 Development Environment and CAP-Project

Lesson 1: Getting Started

Lesson Objectives

After completing this lesson, you will be able to:

- Get ready to build your extension project

Lesson 2: Explaining the SAP BTP Account Model

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the SAP BTP account model

Lesson 3: Explaining SAP BTP Environments

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the most suitable SAP BTP environment for a new cloud application project

Lesson 4: Describing SAP Business Application Studio (BAS)

Lesson Objectives

After completing this lesson, you will be able to:

- Describe key capabilities of SAP Business Application Studio (BAS)

Lesson 5: Creating a CAP-Based Service

Lesson Objectives

After completing this lesson, you will be able to:

- Create a CAP-based service

Lesson 6: Describing OData

Lesson Objectives

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After completing this lesson, you will be able to:

- Describe the OData standard for web-based applications

Lesson 7: Using APIs

Lesson Objectives

After completing this lesson, you will be able to:

- Use APIs to exchange information in a standardized way

Lesson 8: Explaining JSON/YAML

Lesson Objectives

After completing this lesson, you will be able to:

- Explain JSON and YAML

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UNIT 3 User Interface and Business Logic

Lesson 1: Generating a User interface

Lesson Objectives

After completing this lesson, you will be able to:

- Generate a User Interface (UI) using SAP Fiori Elements

Lesson 2: Explaining UIs: SAP Fiori

Lesson Objectives

After completing this lesson, you will be able to:

- List the design principles and key benefits of SAP Fiori

Lesson 3: Explaining UIs: Elements Versus SAP Fiori

Lesson Objectives

After completing this lesson, you will be able to:

- Evaluate the difference between SAP Fiori and SAP Fiori Elements

Lesson 4: Adding Custom Business Logic

Lesson Objectives

After completing this lesson, you will be able to:

- Add custom business logic

Lesson 5: Evaluating the Use of Event Handling

Lesson Objectives

After completing this lesson, you will be able to:

- Evaluate when to use event handlers

Lesson 6: Explaining Error Handling

Lesson Objectives

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After completing this lesson, you will be able to:

- Explain error handling

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UNIT 4 External Services

Lesson 1: Adding an External Service

Lesson Objectives

After completing this lesson, you will be able to:

- Add and consume an external service

Lesson 2: Describing SAP BTP Connectivity

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how SAP BTP applications can securely access remote services

Lesson 3: Using the SAP Cloud Connector

Lesson Objectives

After completing this lesson, you will be able to:

- Manage connections between back end systems and SAP BTP

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UNIT 5 Manual Deployment

Lesson 1: Performing a Manual Deployment

Lesson Objectives

After completing this lesson, you will be able to:

- Perform a manual deployment

Lesson 2: Describing Cloud Foundry in an Overview

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the Cloud Foundry environment

Lesson 3: Using a BTP Management Tool: CF CLI

Lesson Objectives

After completing this lesson, you will be able to:

- Use the Cloud Foundry Command Line Interface (CF CLI)

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UNIT 6 Authorization and Trust Management

Lesson 1: Defining CDS Restrictions and Roles

Lesson Objectives

After completing this lesson, you will be able to:

- Define CDS Restrictions and Roles

Lesson 2: Setting Up SAP Authorization and Trust Management

Lesson Objectives

After completing this lesson, you will be able to:

- Set Up SAP Authorization and Trust Management

Lesson 3: Describing Authorization and Trust Management

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP Authorization and Trust Management Service

Lesson 4: Creating and Configuring an Application Router

Lesson Objectives

After completing this lesson, you will be able to:

- Create and configure an approuter

Lesson 5: Adding the UI and Approuter Module to the MTA

Lesson Objectives

After completing this lesson, you will be able to:

- Add the UI and approuter module to the MTA

Lesson 6: Assigning Role Collections

Lesson Objectives

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After completing this lesson, you will be able to:

- Assign role collections

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UNIT 7 Automated Deployment

Lesson 1: Creating and Connecting a GitHub Repository

Lesson Objectives

After completing this lesson, you will be able to:

- Create and connect a GitHub repository

Lesson 2: Describing Continuous Integration and Delivery

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the principles and benefits of continuous integration and delivery

Lesson 3: Enabling SAP Continuous Integration and Delivery

Lesson Objectives

After completing this lesson, you will be able to:

- Enable SAP Continuous Integration and Delivery

Lesson 4: Configuring a CI/CD Job

Lesson Objectives

After completing this lesson, you will be able to:

- Configure a job in the SAP Continous Integration and Delivery service

Lesson 5: Configuring Stages of the CI/CD Pipeline

Lesson Objectives

After completing this lesson, you will be able to:

- Configure stages of the CI/CD pipeline

Lesson 6: Verifying the Build Success

Lesson Objectives

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After completing this lesson, you will be able to:

- Start monitoring a job in SAP Continuous Integration and Delivery

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UNIT 8

Connection of an SAP S/4HANA Cloud System as an External Service for CAP

Lesson 1: Connecting an SAP S/4HANA Cloud System as an External Service for CAP

Lesson Objectives

After completing this lesson, you will be able to:

- Connect your app to the productive Business Partner API of your SAP S/4HANA Cloud system

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