

CLD200

Building Side-by-Side Extensions on SAP BTP

COURSE OUTLINE

Course Version: 23

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

UNIT 1

Discovering the SAP Cloud Application Programming Model (CAP)

Lesson 1: Identifying the Need for Side-By-Side Extensibility

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the need for side-by-side extensibility

Lesson 2: Exploring the SAP Cloud Application Programming Model

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP Cloud Application Programming Model

Lesson 3: Introducing the SAP BTP Developer's Guide

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the purpose of the SAP Developer's Guide

Lesson 1: Introducing the OData Protocol

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the OData standard for web-based applications

Lesson 2: Explaining JSON/YAML

Lesson Objectives

After completing this lesson, you will be able to:

- Describe JSON and YAML

Lesson 3: Discovering the End-to-End Use Case

Lesson Objectives

After completing this lesson, you will be able to:

- Perform the setup necessary to build your extension project

Lesson 4: Creating CAP-Based Services

Lesson Objectives

After completing this lesson, you will be able to:

- Create a CAP-based service

Lesson 1: Serving User Interfaces in CAP

Lesson Objectives

After completing this lesson, you will be able to:

- Identify different ways of serving UIs in CAP
- Discover the SAP Fiori tools

Lesson 2: Generating User Interfaces

Lesson Objectives

After completing this lesson, you will be able to:

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

Lesson 1: Explaining Event Handling in CAP

Lesson Objectives

After completing this lesson, you will be able to:

- Evaluate when to use event handlers

Lesson 2: Explaining the Need for Custom Business Logic

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the need for custom business logic

Lesson 3: Describing Error Handling

Lesson Objectives

After completing this lesson, you will be able to:

- Explain error handling

Lesson 4: Adding Custom Business Logics

Lesson Objectives

After completing this lesson, you will be able to:

- Add custom business logic

Lesson 5: Adding Local Launch Pages

Lesson Objectives

After completing this lesson, you will be able to:

- Add a local launch page

Lesson 1: Describing Authorization and Trust Management (XSUAA)

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP Authorization and Trust Management service

Lesson 2: Defining CDS Restrictions and Roles

Lesson Objectives

After completing this lesson, you will be able to:

- Define CDS restrictions and roles

Lesson 1: Explaining Extensibility and Connectivity in CAP

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the extensibility and connectivity capabilities in CAP

Lesson 2: Explaining Unit Tests

Lesson Objectives

After completing this lesson, you will be able to:

- Explaining Unit Tests

Lesson 3: Adding Test Cases

Lesson Objectives

After completing this lesson, you will be able to:

- Add test cases

Lesson 4: Adding External Services

Lesson Objectives

After completing this lesson, you will be able to:

- Add and consume an external service

Lesson 1: Identifying Deployment Options in CAP

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the deployment options of a CAP application

Lesson 2: Explaining the Deployment Process

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the Cloud Foundry deployment process of a CAP application
- Describe the basic concepts about the MTA development project and understand the information contained in the mta.yaml file

Lesson 3: Preparing for Deployment in the SAP BTP, Cloud Foundry Runtime

Lesson Objectives

After completing this lesson, you will be able to:

- Prepare the application for deployment

Lesson 4: Deploying the Application

Lesson Objectives

After completing this lesson, you will be able to:

- Deploying the application

UNIT 8

Integrating into SAP Build Work Zone, Standard Edition

Lesson 1: Explaining SAP Build Work Zone, Standard Edition

Lesson Objectives

After completing this lesson, you will be able to:

- Describe use case for SAP Build Work Zone, standard edition

Lesson 2: Integrating the App with SAP Build Work Zone

Lesson Objectives

After completing this lesson, you will be able to:

- Integrate the application with SAP Build Work Zone, Standard Edition