# CLD200 - Develop extensions with CAP following the SAP BTP Developer's Guide Training

Duration: **2 Day**

BILGINÇ IT Academy
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## Overview

**Course based on software release:**

- SAP Business Technology Platform

## Prerequisites

**Essential**

- Please note: This course is intended for participants with a technical background. You can begin with the "Getting started with SAP Cloud Application Programming Model" Learning Journey on learning.sap.com. If you are new to cloud technology or lack a technical background, we suggest that you first complete the "Discover SAP Business Technology Platform" Learning Journey.

**Recommended**

- Confident handling of command line tools
- Familiarity with JavaScript (Node.js) or other programming languages used for web development
- Basic knowledge of cloud development concepts
- Discover SAP Business Technology Platform

## Who Should Attend

- Application Consultant
- Developer
- Development Consultant
- Enterprise Architect
- Solution Architect

## What You Will Learn

- This course will prepare you to:
  - Use cloud native development to build extensions
  - Understand the goal of SAP BTP Developer's Guide
  - Learn about the principles about extensibility on SAP BTP
  - Use the SAP Cloud Application Programming Model (CAP)

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## Outline

- Unit 1 Discovering the SAP Cloud Application Programming Model (CAP)
  - Identifying the need for Side-By-Side Extensibility
  - Exploring the SAP Cloud Application Programming Model
  - Introducing the SAP BTP Developer’s Guide
- Unit 2 Setting up the CAP-Project
  - Introducing the OData protocol
  - Explaining JSON/YAML Discovering the End-to-End Use Case
  - Discovering the End-to-End Use Case
- Unit 3 Serving User Interfaces in CAP
  - Serving User Interfaces in CAP
- Unit 4 Adding Custom Business Logic
  - Explaining Event Handling in CAP
  - Explaining the Need for Custom Business Logic
  - Explaining Error Handling
- Unit 5 Consuming External Services
  - Explaining Extensibility and Connectivity in CAP
- Unit 6 Understanding Authorization and Trust Management
  - Describing Authorization and Trust Management (XSUAA)
- Unit 7 Deploying the Application
  - Identifying Deployment Options in CAP
  - Explaining the Deployment Process
- Unit 8 Using Observability
  - Observability in SAP BTP, Cloud Foundry runtime and SAP BTP, Kyma runtime
- Unit 9 Integrating into SAP Build Work Zone
  - Explaining SAP Build Work Zone, standard edition