

Learn Today to Become Better Tomorrow

Note: Before You see the Course Content, lets Read out few Basics understandings about the subject.

What is BTP?

- SAP Business Technology Platform is **the technological foundation for all SAP applications and the Intelligent Enterprise.**
- Customers can achieve agility, business value and continual innovation through integration, data to value and extensibility of all SAP and third-party applications & data assets.

Advantages of BTP

- SAP BTP can provide **in-memory capabilities, core platform services, and unique microservices.**
- It can help develop the exact application needed quickly, easily, and economically.
- All this without investing in local infrastructure. It is a business-oriented technology platform for your SAP and third-party applications.

Major Components of BTP Training

- Business Technology Platform (BTP)
- Cloud Foundry (CF)
- SAP Cloud Application Programming Model (SAP CAP)
 - Core Data Services(CDS)
 - Node js

Course Content.

SAP BTP and Cloud Application Programming Model

Introduction to BTP Platform

- I. What is SAP BTP and it's role
- II. What is SAP Cloud Foundry
- III. Understanding SAP CF Architecture and services
- IV. Difference between Cloud and On-premise
- V. Understanding Cloud Native Architecture
- VI. Types of offerings in the Cloud – IaaS, PaaS, SaaS
- VII. Why Cloud Foundry?

Working with BTP Platform

- I. Setup of Cloud Foundry Account
- II. Customer view of CF Account
- III. Introduction to Global Account, Sub Account, Region, Dev Space
- IV. Configure Free trial on SAP BTP
- V. SAP BTP Portfolio and Services

Stepping into Cloud Platform

- I. What is Kubernetes
- II. What is Kyma
- III. What is Gardener
- IV. What is Hyperscaler
- V. What is the role of all these components in SAP BTP

Developer's role in SAP BTP World

- I. What is Business Application Studio
- II. Setup BAS
- III. Setup VS Code for Local Development
- IV. What is Cloud Application Programming Model (CAPM)

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Working with GitHub

- I. What is Git and Git HUB
- II. Terminologies of git – The distributed Repository System
- III. Create your first git repository
- IV. Create branch using git
- V. Push to git to share project with team

Basics of Node JS

- I. What is Node JS
- II. Setup of development tool for building Node JS App
- III. Setup VS Code in local system with Node JS
- IV. Understanding Basics of JS
- V. Functions in JS
- VI. Classes in JS
- VII. Node package manager with npm install, npm init commands

Backend Designing Using CAPM

- I. What is REST API
- II. Creating OData Services supporting CRUDQ Operations using SAP CAP Capabilities (No-Custom-Code)
- III. Understanding Persistence Data model
- IV. Understanding Aspects
- V. Understanding Associations and Compositions
- VI. Integrating VSCode with SQLite
- VII. Deploying Backend Service on Cloud Foundry

UI Fiori Elements Application Designing

- I. Designing Fiori Element Application by consuming CAPM OData Service
- II. Deploying UI Application on Cloud Foundry

Deep Dive in SAP CAPM

- I. Enriching CAPM Service with Annotations
- II. Learning CAP UI Annotation Library
- III. Learning Importance Custom Handlers in SAP CAP
- IV. Integrating external service with Local OData service
- V. Defining and Handling Actions/Function Imports