

SAP Business Technology Platform (BTP) with ABAP Basics

Course Description

This course provides a comprehensive introduction to SAP Business Technology Platform (SAP BTP) and fundamental ABAP development. Participants learn the core architecture and services of SAP BTP, including account management, runtime environments, identity and access management, connectivity, transport management, and application lifecycle management. The course also introduces the ABAP development environment, ABAP Development Tools (ADT), and essential ABAP programming concepts required to build basic applications on SAP BTP.

Audience Profile

- SAP Developers
- ABAP Developers
- Technical Consultants
- Solution Architects
- Technology Consultants
- SAP Basis Administrators
- Integration Consultants
- Application Developers
- Technical Leads

Prerequisite

- Basic understanding of SAP concepts
- Familiarity with programming concepts is recommended
- Basic knowledge of enterprise applications is beneficial

Course Objectives

Upon completion of this course, participants will be able to:

- Understand the architecture and capabilities of SAP Business Technology Platform.
- Configure and administer SAP BTP environments and services.

- Manage identity, access, connectivity, and transport management within SAP BTP.
- Understand SAP Application Lifecycle Management offerings.
- Set up the ABAP development environment using Eclipse and ABAP Development Tools (ADT).
- Develop basic ABAP applications using fundamental programming concepts.
- Implement local classes and object-oriented programming basics in ABAP.

Table of Contents

Module 1: Strategic Overview

- Understanding SAP's Intelligent and Sustainable Enterprise
- Exploring the SAP Business Technology Platform

Module 2: SAP BTP Foundations

- Explaining the SAP BTP Account Model
- Managing Service Subscriptions
- Understanding Runtime Environments
- Administering Cloud Foundry Environments
- Administering Kyma Runtimes
- Administering ABAP Environments
- Exploring Software Development for the Cloud

Module 3: Configuration and Enablement

- Leveraging the SAP Discovery Center
- Utilizing Boosters for Guided Setup
- Operating Command Line Interface (CLI) Tools

Module 4: Identity and Access Management on SAP BTP

- Understanding Identity and Access Management in SAP BTP
- Managing Users and Authorizations in SAP BTP

Module 5: Connectivity in SAP BTP

- Configuring and Using Destinations
- Administering the Cloud Connector

Module 6: Application Lifecycle Management

- Identifying SAP Application Lifecycle Management Offerings

Module 7: Transport Management

- Exploring SAP Cloud Transport Management Service
- Configuring SAP Cloud Transport Management Service

Module 8: Getting Started with ABAP Development

- Introduction to the ABAP Environment
- Exploring Eclipse IDE and Its Features
- Working with ABAP Development Tools (ADT)
- Generating a Service Key in SAP BTP
- Adding Services to ADT

Module 9: Introduction to ABAP Development

- Exploring ABAP
- Understanding Software Structure and Logistics
- Developing Your First ABAP Application

Module 10: Core ABAP Techniques and Practices

- Understanding Fundamental ABAP Concepts
- Working with Basic Data Objects and Data Types
- Processing Data in ABAP
- Implementing Control Structures
- Managing Simple Internal Tables
- Debugging ABAP Programs
- SAP RAP development
- CDS view development
- CAP development

Module 11: Local Class Implementation in ABAP

- Defining Local Classes
- Creating and Managing Class Instances