

BTP100

SAP Business Technology Platform Foundation (SAP BTP)

COURSE OUTLINE

Course Version: 08

Course Duration:

SAP Copyrights, Trademarks and Disclaimers

© 2024 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see <https://www.sap.com/corporate/en/legal/copyright.html> for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials may have been machine translated and may contain grammatical errors or inaccuracies.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

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 | <i>Example text</i> |
| Window title | <i>Example text</i> |

Contents

vii Course Overview

1 Unit 1: SAP BTP Strategy: Overview

| | |
|---|---|
| 1 | Lesson: Illustrating the SAP Business Technology Platform |
| 1 | Lesson: Identifying Solution Areas of SAP and SAP Partners |
| 1 | Lesson: Illustrating Business Processes |
| 1 | Lesson: Describing the Suite Qualities and Use Cases of the SAP BTP |
| 1 | Lesson: Discovering Cloud Terminology |

3 Unit 2: SAP BTP: Architecture and Services

| | |
|---|--|
| 3 | Lesson: Analyzing SAP BTP Commercial Models |
| 3 | Lesson: Illustrating the Architecture of SAP BTP |
| 3 | Lesson: Demonstrating the SAP BTP Cockpit |
| 3 | Lesson: Identifying the Services in SAP BTP |
| 3 | Lesson: Analyzing Connectivity in SAP BTP |

5 Unit 3: SAP BTP: Application Development and Automation

| | |
|---|--|
| 5 | Lesson: Discovering Application Development and Automation |
| 5 | Lesson: Analyzing Low-Code/No-Code with SAP Build |
| 5 | Lesson: Analyzing Development Tools and Frameworks |
| 5 | Lesson: Describing Continuous Integration, Delivery and Deployment |

7 Unit 4: SAP BTP: Integration

| | |
|---|---|
| 7 | Lesson: Describing APIs |
| 7 | Lesson: Illustrating the SAP Business Accelerator Hub |
| 7 | Lesson: Illustrating the SAP Integration Suite |

9 Unit 5: SAP BTP: Data and Analytics

| | |
|---|---|
| 9 | Lesson: Illustrating the Data-to-Value Concept |
| 9 | Lesson: Discovering the Value of SAP HANA Cloud and Other Database Services |
| 9 | Lesson: Paraphrasing Data Management and Data Warehousing |
| 9 | Lesson: Discovering the Value of Enterprise Planning and Analytics |

11 Unit 6: SAP BTP: Artificial Intelligence (AI)

| | |
|----|---|
| 11 | Lesson: Describing Artificial Intelligence (AI) |
| 11 | Lesson: Describing SAP AI Business Services |
| 11 | Lesson: Describing SAP AI Core and SAP AI Launchpad |

13 Unit 7: SAP BTP: Security Fundamentals

- 13 Lesson: Analyzing User and Authorization Management on SAP BTP
- 13 Lesson: Analyzing SAP Cloud Identity Services
- 13 Lesson: Illustrating SAP Authorization and Trust Management Service (XSUAA)

15 Unit 8: SAP Cloud for Sustainable Enterprises

- 15 Lesson: Illustrating the Need for Sustainable Enterprises
- 15 Lesson: Identifying the Capabilities of SAP Cloud for Sustainable Enterprises

Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Executive
- Data Manager
- Systems Architect
- Project Manager
- Project Stakeholder
- Tester
- Training Manager
- Change Manager
- Application Consultant
- Development Consultant
- Technology Consultant
- Support Consultant
- Data Consultant
- Industry / Business Analyst Consultant
- Developer IT Administrator IT Support
- End User
- Super / Key / Power User
- Business User
- Business Analyst
- Business Process Architect
- Business Process Owner/Team Lead/Power User
- Data Scientist
- Database Administrator
- Developer
- Enterprise Architect
- Help Desk/CoE Support
- Industry Specialist
- Solution Architect

- System Administrator
- System Architect
- Trainer
- User
- User Experience Designer

Lesson 1: Illustrating the SAP Business Technology Platform

Lesson Objectives

After completing this lesson, you will be able to:

- Illustrate the SAP Business Technology Platform

Lesson 2: Identifying Solution Areas of SAP and SAP Partners

Lesson Objectives

After completing this lesson, you will be able to:

- Identify Solution Areas of SAP and SAP Partners

Lesson 3: Illustrating Business Processes

Lesson Objectives

After completing this lesson, you will be able to:

- Illustrate business processes

Lesson 4: Describing the Suite Qualities and Use Cases of the SAP BTP

Lesson Objectives

After completing this lesson, you will be able to:

- Describing the Suite Qualities of the SAP BTP
- Paraphrase the main use-cases for SAP BTP

Lesson 5: Discovering Cloud Terminology

Lesson Objectives

After completing this lesson, you will be able to:

- Discover the basics of cloud computing
- Discover hyperscalers

- Discover the service and deployment models

Lesson 1: Analyzing SAP BTP Commercial Models

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze SAP BTP Commercial Models

Lesson 2: Illustrating the Architecture of SAP BTP

Lesson Objectives

After completing this lesson, you will be able to:

- Illustrate the architecture of SAP BTP

Lesson 3: Demonstrating the SAP BTP Cockpit

Lesson Objectives

After completing this lesson, you will be able to:

- Demonstrate the SAP BTP Cockpit

Lesson 4: Identifying the Services in SAP BTP

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the services in SAP BTP
- Demonstrate the SAP Discovery Center

Lesson 5: Analyzing Connectivity in SAP BTP

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the connectivity in SAP BTP

Lesson 1: Discovering Application Development and Automation

Lesson Objectives

After completing this lesson, you will be able to:

- Discover application development
- Discover automation
- Analyze the roles regarding application development and automation

Lesson 2: Analyzing Low-Code/No-Code with SAP Build

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze low-code/no-code
- Identify the capabilities of SAP Build
- Identify the components of SAP Build

Lesson 3: Analyzing Development Tools and Frameworks

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze development tools
- Analyze development frameworks

Lesson 4: Describing Continuous Integration, Delivery and Deployment

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the continuous concepts
- Illustrate the CI/CD process

Lesson 1: Describing APIs

Lesson Objectives

After completing this lesson, you will be able to:

- Describe APIs and their needs
- Identify the benefits of APIs
- Analyze the anatomy of APIs

Lesson 2: Illustrating the SAP Business Accelerator Hub

Lesson Objectives

After completing this lesson, you will be able to:

- Illustrate SAP Business Accelerator Hub

Lesson 3: Illustrating the SAP Integration Suite

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the capabilities of SAP Integration Suite
- Identify the potential use-cases for SAP Integration Suite

Lesson 1: Illustrating the Data-to-Value Concept

Lesson Objectives

After completing this lesson, you will be able to:

- Illustrate the data-to-value portfolio

Lesson 2: Discovering the Value of SAP HANA Cloud and Other Database Services

Lesson Objectives

After completing this lesson, you will be able to:

- Discover the value of SAP HANA Cloud
- Describe other SAP BTP database services

Lesson 3: Paraphrasing Data Management and Data Warehousing

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP HANA Cloud Modeling
- Identify the capabilities and use cases of SAP Datasphere

Lesson 4: Discovering the Value of Enterprise Planning and Analytics

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the capability areas of SAP Analytics Cloud

Lesson 1: Describing Artificial Intelligence (AI)

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Artificial Intelligence (AI) in scope of SAP BTP
- Describe end-to-end innovation powered by AI
- Analyze the embedded AI capabilities

Lesson 2: Describing SAP AI Business Services

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP AI Business Services

Lesson 3: Describing SAP AI Core and SAP AI Launchpad

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP AI Core
- Describe AI Launchpad
- Describe AI API

Lesson 1: Analyzing User and Authorization Management on SAP BTP

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the user management on SAP BTP
- Describe the role and authorization management on SAP BTP

Lesson 2: Analyzing SAP Cloud Identity Services

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Identity Providers
- Analyze SAP Cloud Identity Services

Lesson 3: Illustrating SAP Authorization and Trust Management Service (XSUAA)

Lesson Objectives

After completing this lesson, you will be able to:

- Illustrate SAP Authorization and Trust Management Service (XSUAA)
- Describe App Router

Lesson 1: Illustrating the Need for Sustainable Enterprises

Lesson Objectives

After completing this lesson, you will be able to:

- Value the green line
- Analyze the three zero strategy
- Identify the sustainability solutions from SAP Cloud for Sustainable Enterprises

Lesson 2: Identifying the Capabilities of SAP Cloud for Sustainable Enterprises

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the capabilities of SAP Product Footprint Management
- Identify the benefits of SAP Responsible Design and Production