

**Technology Fundamentals of SAP** S/4HANA and SAP Business Suite

**COURSE OUTLINE** 

Course Version: 23 Course Duration:

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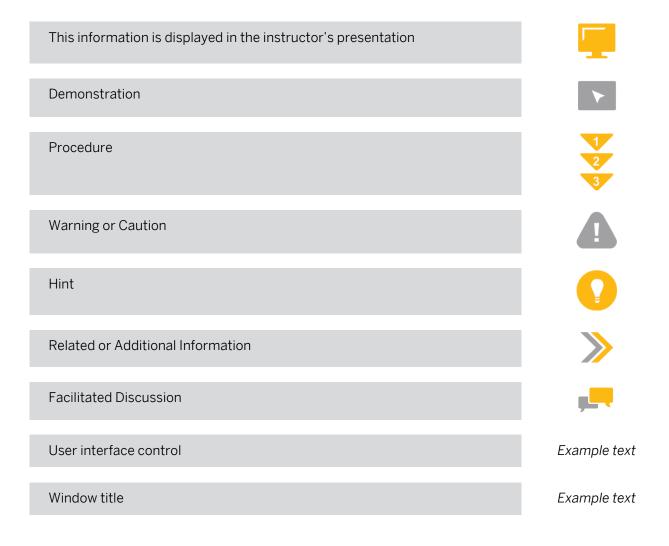
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# **Typographic Conventions**

American English is the standard used in this handbook. The following typographic conventions are also used.





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# **Course Overview**

#### TARGET AUDIENCE

This course is intended for the following audiences:

- Systems Architect
- Technology Consultant
- Developer IT Adminstrator IT Support
- Developer



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# UNIT 1 SAP Strategic Overview

# Lesson 1: Describing the SAP Strategy

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- List SAP's key areas of innovation and development
- Describe deployment options for SAP S/4HANA
- Summarize SAP's Intelligent, Sustainable Enterprise
- Paraphrase RISE with SAP

# Lesson 2: Describing SAP Business Technology Platform

#### **Lesson Objectives**

After completing this lesson, you will be able to:

• Explain the positioning of SAP Business Technology Platform



# UNIT 2 SAP Systems

# Lesson 1: Describing the Architecture of SAP Systems

### Lesson Objectives

After completing this lesson, you will be able to:

- Expalin the terms SAP Business Suite and SAP S/4HANA and describe their difference with respect to the data model
- Describing the Client/Server Architecture of SAP Systems



# UNIT 3 Navigation

# Lesson 1: Describing SAP GUI and SAP Logon

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- List the Variants of the SAP GUI and explain their use
- Describe the steps to log on to an ABAP-based SAP System
- List screen elements uesd in SAP GUI
- Describe the process of logging off from an AS ABAP based SAP system

## Lesson 2: Describing SAP GUI Functions, Help, and Personalization

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- Create a List of Favorites in SAP GUI
- Use various methods in SAP GUI to start functions in the SAP system
- Use the Help Functions that SAP GUI offers
- Outline personalization options in SAP GUI

### Lesson 3: Describing Navigation using a Web Browser

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- Use a Web Browser to work with an AS ABAP-based SAP system
- Use a Web Browser to work with an AS Java-based SAP system

### Lesson 4: Describing SAP Business Client

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- Compare the different versions of SAP Business Client
- Outline the Relationship between PFCG roles and the SAP Business Client navigation bar



# Lesson 5: Describing SAP Fiori

### **Lesson Objectives**

- Explore the concept of SAP Fiori
- Outline SAP Fiori app types and clients
- Personalize the SAP Fiori launchpad

# UNIT 4 SAP System Kernel

## Lesson 1: Explaining the Basic Architecture of AS ABAP and AS Java

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- List the main ingredients of the application layer of ABAP or Java based SAP systems
- Explain the architecture of the application layer for an AS ABAP based SAP system
- Describe the architecture of the application layer for an AS Java based SAP system

## Lesson 2: Describing AS ABAP

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- Illustrate the processing of user requests in AS ABAP based SAP systems
- List the processes of an AS ABAP and explain their meaning
- List important transactions to administrate AS ABAP and outline their use

# Lesson 3: Describing AS Java

#### **Lesson Objectives**

- Describe the processing of user requests in AS Java based SAP systems
- List the processes of an AS Java and explain their use
- · List the main tools for the administration of AS Java and outline their use

# UNIT 5 Software Development in SAP Systems

# Lesson 1: Describing the Data Structure of an AS ABAP Based SAP System

#### Lesson Objectives

After completing this lesson, you will be able to:

• Discuss the data structure of an SAP system based on AS ABAP

# Lesson 2: Describing Software Logistics for AS ABAP based SAP systems

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- Explain the need for a multi-system landscape
- Describe the procedure for transports within an AS ABAP based SAP system landscape
- Describe the meaning of transport requests and the procedure for transports within an AS ABAP based SAP system landscape

# Lesson 3: Accessing and Editing ABAP Repository Objects

#### Lesson Objectives

After completing this lesson, you will be able to:

- Compare different options to adjust the data structure in an AS ABAP based SAP system
- List tools of the ABAP Workbench that support the software development cycle
- Explain the significance of the ABAP Dictionary
- Use ABAP development tools to access and edit ABAP repository objects

# Lesson 4: Importing Transport Requests into AS ABAP based SAP Systems

#### Lesson Objectives

After completing this lesson, you will be able to:

• Explain the difference between the single import and the mass import of transport requests



# Lesson 5: Transporting non-ABAP Objects

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- Outline the basic idea of the SAP Cloud Transport Management Service
- Summarize the concept of the enhanced CTS

# Lesson 6: Appendix: Basic Software Development Concepts for the Cloud

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- Summarize the different developer roles in cloud development
- Outline software development tools and concpets for the cloud

# Lesson 7: Appendix: Describing SAP UI Technologies

#### **Lesson Objectives**

After completing this lesson, you will be able to:

• Classify SAP UI technologies chronologically

# UNIT 6 Application Lifecycle Management

# Lesson 1: Describing Application Lifecycle Management

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- Summarize the Concept of Application Lifecycle Management
- Compare the SAP offerings for ALM
- Explain the importance of the SAP Solution Manager system and of SAP Cloud ALM for Application Lifecycle Management
- Illustrate the data transfer flow from the technical systems to SAP Support Backbone and to monitoring applications
- Describe the use of the launchpad as central entry point for end users working in ALM

### Lesson 2: Implementing Business Processes and Installing SAP Systems

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- Give examples how SAP Cloud ALM and SAP Solution Manager supports the implementation of business processes in SAP system landscapes
- Explain the concept of SAP Activate
- Discuss typical questions that occur before and during an SAP system installation
- Outline the different documentation types and name the installation tool

# Lesson 3: Describing Business Process Operations

#### **Lesson Objectives**

After completing this lesson, you will be able to:

• Give examples how SAP Cloud ALM and SAP Solution Manager support the operation of business processes in SAP system landscapes

# Lesson 4: Maintaining SAP Systems

### Lesson Objectives

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- Classify different levels of system maintenance
- List tools for the maintenance of SAP Systems and explian their use
- List options for the migration to SAP S/4HANA

# UNIT 7 Communication and Integration Technologies

# Lesson 1: Describing Remote Function Calls and BAPIs

### Lesson Objectives

After completing this lesson, you will be able to:

- List interface technologies used by SAP systems
- Explain the process flow for a Remote Function Call
- Explain the significance and use of business objects and BAPIs

# Lesson 2: Explaining Cross-System Business Processes

#### Lesson Objectives

After completing this lesson, you will be able to:

• Explain the Concept of Application Link Enabling

# Lesson 3: Explaining HTTP Based Communication

#### **Lesson Objectives**

After completing this lesson, you will be able to:

• Outline the concept of HTTP-based communication and the Internet Communication Framework

## **Lesson 4: Describing Web Services**

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- Explain the Web service paradigm
- List the steps to create a Web service using the inside-out approach and synchronous communication

# Lesson 5: Describing SAP Gateway

#### Lesson Objectives

After completing this lesson, you will be able to:



- Explain OData
- Explain SAP Gateway
- Test an SAP Gateway Service

# UNIT 8 SAP Maintenance and Release Strategy

# Lesson 1: Describing the SAP Release Strategy

### **Lesson Objectives**

After completing this lesson, you will be able to:

• Describe the SAP maintenance strategy



# UNIT 9 Additional SAP Web Sites

# Lesson 1: SAP Support Portal

#### **Lesson Objectives**

After completing this lesson, you will be able to:

• List services provided on the SAP Support Portal

## Lesson 2: SAP Help Portal

#### **Lesson Objectives**

After completing this lesson, you will be able to:

• Outline the benefits of SAP Help Portal

## Lesson 3: SAP Community and SAP Tutorial Navigator

#### **Lesson Objectives**

After completing this lesson, you will be able to:

- List services offered by the SAP Community
- Outline the idea of the Tutorial Navigator on SAP Developer Center

## Lesson 4: SAP Road Map Explorer

#### Lesson Objectives

After completing this lesson, you will be able to:

• Outline the idea of SAP Road Map Explorer

## Lesson 5: SAP Discovery Center

#### Lesson Objectives

After completing this lesson, you will be able to:

• List capabilities of SAP Discovery Center

# Lesson 6: SAP Learning Offerings



#### **Lesson Objectives**

- Explain how to find the right training for you with the help of SAP Training Shop
- Describe the offerings of SAP Learning