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

Course Outline
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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	*Example text*
Window title	*Example text*

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Contents

vii	Course Overview	
1	**Unit 1:**	**SAP Strategic Overview**
1		Lesson: Describing the SAP Strategy
1		Lesson: Describing SAP Business Technology Platform
1		Lesson: Demystifying the SAP Autonomous Enterprise
3	**Unit 2:**	**SAP Systems**
3		Lesson: Describing the Architecture of SAP Systems
5	**Unit 3:**	**Navigation**
5		Lesson: Describing SAP GUI and SAP Logon
5		Lesson: Describing SAP GUI Functions, Help, and Personalization
5		Lesson: Describing Navigation using a Web Browser
5		Lesson: Describing SAP Business Client
6		Lesson: Describing SAP Fiori
7	**Unit 4:**	**SAP System Kernel**
7		Lesson: Explaining the Basic Architecture of AS ABAP and AS Java
7		Lesson: Describing AS ABAP
7		Lesson: Describing AS Java
9	**Unit 5:**	**Software Development in SAP Systems**
9		Lesson: Describing the Data Structure of an AS ABAP Based SAP System
9		Lesson: Describing Software Logistics for AS ABAP based SAP systems
9		Lesson: Accessing and Editing ABAP Repository Objects
9		Lesson: Importing Transport Requests into AS ABAP based SAP Systems
10		Lesson: Appendix: Transporting non-ABAP Objects
10		Lesson: Appendix: Basic Software Development Concepts for the Cloud
10		Lesson: Appendix: Describing SAP UI Technologies

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11	**Unit 6:**	**Communication and Integration Technologies**
11		Lesson: Describing Remote Function Calls and BAPIs
11		Lesson: Explaining Cross-System Business Processes
11		Lesson: Explaining HTTP Based Communication
11		Lesson: Describing Web Services
11		Lesson: Describing SAP Gateway
13	**Unit 7:**	**Application Lifecycle Management**
13		Lesson: Describing Application Lifecycle Management
13		Lesson: Implementing Business Processes and Installing SAP Systems
13		Lesson: Describing Business Process Operations
13		Lesson: Maintaining SAP Systems
15	**Unit 8:**	**SAP Maintenance and Release Strategy**
15		Lesson: Describing the SAP Release Strategy
17	**Unit 9:**	**Additional SAP Web Sites**
17		Lesson: SAP for Me
17		Lesson: SAP Help Portal
17		Lesson: SAP Community and SAP Tutorial Navigator
17		Lesson: SAP Road Map Explorer
17		Lesson: SAP Discovery Center
17		Lesson: SAP Learning Offerings

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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
- Summarize SAP's Intelligent Enterprise
- Describe product variants of SAP S/4HANA
- Paraphrase RISE with SAP
- Paraphrase GROW 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

Lesson 3: Demystifying the SAP Autonomous Enterprise

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the core concept and benefits of the SAP Autonomous Enterprise.

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Unit 2 SAP Systems

Lesson 1: Describing the Architecture of SAP Systems

Lesson Objectives

After completing this lesson, you will be able to:

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

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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 used 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:

- Use SAP Business Client for Windows

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Lesson 5: Describing SAP Fiori

Lesson Objectives

After completing this lesson, you will be able to:

- Explore the concept of SAP Fiori
- Operate the SAP Fiori launchpad
- Explain the structure of the SAP Fiori launchpad
- Personalize My Home

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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 AS ABAP or AS 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

After completing this lesson, you will be able to:

- 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

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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

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Lesson 5: Appendix: Transporting non-ABAP Objects

Lesson Objectives

After completing this lesson, you will be able to:

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

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

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Unit 6 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

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- Explain SAP Gateway
- Test an SAP Gateway Service

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Unit 7 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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After completing this lesson, you will be able to:

- 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

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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

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Unit 9 Additional SAP Web Sites

Lesson 1: SAP for Me

Lesson Objectives
After completing this lesson, you will be able to:

- List some services provided on SAP for Me

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

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Lesson Objectives

After completing this lesson, you will be able to:

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

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