ADM100
System Administration I for SAP S/4HANA and SAP Business Suite

COURSE OUTLINE
Course Version: 20
Course Duration:
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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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TARGET AUDIENCE
This course is intended for the following audiences:

- Systems Architect
- Project Manager
- Technology Consultant
- Support Consultant
- System Administrator
- Technology Consultant
Lesson 1: Explaining the Basic Architecture of SAP NetWeaver AS

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

- Explain SAP instances and application servers
- Describe the basic architecture of SAP NetWeaver AS
- Name the processes of the SAP NetWeaver Application Server

Lesson 2: Describing the Process of a System Logon (AS ABAP)

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

- Outline the process of an AS ABAP system logon
- Describe the technology of dialog work process multiplexing

Lesson 3: Configuring SAP Logon

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

- Configure SAP logon

Lesson 4: Setting Up Logon Groups in AS ABAP

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

- Explain the benefits of logon groups in an AS ABAP system
- Configure logon groups in an AS ABAP system

Lesson 5: Appendix - Executing Basic Administration Transactions

Lesson Objectives
After completing this lesson, you will be able to:
• List basic administration transactions
Lesson 1: Describing the System Start Procedure

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

● Explain the process of starting an SAP System
● Describe the structure of the file system for SAP instances

Lesson 2: Starting and Stopping SAP Systems

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

● Start and stop an SAP system using the appropriate tools

Lesson 3: Logs written during System Startup

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

● Analyze start logs from AS ABAP
Lesson 1: Understanding the Parameter Evaluation Sequence

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

• Explain how system parameters are created and evaluated

Lesson 2: Explaining How Profile Parameters are Set

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

• Adjust system parameters using profiles

Lesson 3: Setting Up Operation Modes

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

• Set up a dynamic switch of work process types using operation modes

Lesson 4: Working with ABAP Task Manager

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

• Explain task lists
Lesson 1: Describing the Architecture of Database Systems

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

- Explain the purpose and architecture of databases

Lesson 2: Scheduling and Monitoring Database Actions with the DBA Cockpit

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

- Centralize database administration tasks with the DBA Cockpit
- Determine the success of database backups

Lesson 3: Performing Regular Database Checks

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

- Schedule periodic checks of the database

Lesson 4: Appendix - Describing the Concept of SAP Data Archiving

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

- Define data archiving
- Explain the benefits of data archiving
- Outline the technical process of data archiving
- List options for accessing archived data
Lesson 1: Creating, Copying, and Maintaining User Master Records

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

- Create master records for users

Lesson 2: Maintaining User Authorizations with Roles and Profiles

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

- Copy, create, and maintain user roles
- Maintain the assignment of users to roles
- Describe the difference between authorization roles and UI roles

Lesson 3: Defining Login Parameters and Using the User Information System

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

- Set system parameters for user logins
- Name standard users in the SAP system
- Locate authorization problems

Lesson 4: Appendix - Describing Advanced User Administration Tasks

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

- Describe how to streamline user administration with CUA
- Describe how to connect users to Directory Services
Lesson 1: Communicating between SAP Systems using Remote Function Calls

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

- Explain the principles of RFCs
- List the different types of RFC

Lesson 2: Setting Up RFC Connections

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

- Set up RFC connections
Lesson 1: Using SAP Notes and Support Packages

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

• Explain SAP Notes and SAP Support Packages

Lesson 2: Preparing for Software Maintenance

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

• Explain the functions of the Maintenance Planner and perform a maintenance transaction

Lesson 3: Describing Support Package Manager (SPAM) and Software Update Manager (SUM)

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

• Support Package Manager (SPAM) and Software Update Manager (SUM)

Lesson 4: Importing SAP Support Packages with the Support Package Manager (SPAM)

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

• Import SAP Support Packages with the Support Package Manager (SPAM)
• Outline the process of importing SAP Support Packages

Lesson 5: Explaining SAP System Upgrade and SAP S/4HANA Conversion

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

• Explain the Idea of an SAP System Upgrade and an SAP S/4HANA Conversion
Lesson 1: Configuring Printers in AS ABAP

Lesson Objectives
After completing this lesson, you will be able to:
- Explain the information flow from print document to printout
- Create output devices
- Activate Unicode Printing Enhancement

Lesson 2: Setting Up Logical Spool Servers

Lesson Objectives
After completing this lesson, you will be able to:
- Explain the concept of logical spool servers
- Set up logical spool servers

Lesson 3: Managing Spool Requests

Lesson Objectives
After completing this lesson, you will be able to:
- Manage spool and output requests
- Outline specialized print scenarios

Lesson 4: Managing Output Devices with Printing Assistant for Landscapes

Lesson Objectives
After completing this lesson, you will be able to:
- List the prerequisites for using PAL
- Describe the PAL environment
- Configure and operate a PAL landscape
Lesson 1: Explaining Background Processing

Lesson Objectives
After completing this lesson, you will be able to:
- Describe the benefits of background processing
- Schedule and monitor jobs

Lesson 2: Scheduling Time-Dependent Jobs

Lesson Objectives
After completing this lesson, you will be able to:
- Schedule time-dependent jobs
- Schedule standard jobs

Lesson 3: Scheduling Event-Dependent Jobs

Lesson Objectives
After completing this lesson, you will be able to:
- Schedule event-dependent jobs
- Define and trigger events

Lesson 4: Describing Special Options for Background Processing

Lesson Objectives
After completing this lesson, you will be able to:
- Optimize background processing with specialized functions

Lesson 5: Appendix - Job Management in SAP Solution Manager

Lesson Objectives
After completing this lesson, you will be able to:
- Describe job management options like scheduling and monitoring using SAP Solution Manager
Lesson 1: Using the Monitoring Architecture of the Computing Center Management System

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

- Describe the CCMS monitoring architecture
- Monitor your system with the CCMS Alert Monitor

Lesson 2: Explaining the Concept of Monitoring Tools in SAP Solution Manager

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

- Describe the monitoring and alerting tools available in SAP Solution Manager’s Monitoring and Alerting Infrastructure

Lesson 3: Tracing and Logging in the SAP System

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

- List the options available for tracing and logging in the SAP system
- Perform simple traces in the SAP system

Lesson 4: Troubleshooting Procedures

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

- Develop procedures for structured troubleshooting