

ADM100

AS ABAP – Administration I

COURSE OUTLINE

Course Version: 18

Course Duration: 5 Day(s)

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

Contents

vii Course Overview

1 Unit 1: Fundamentals of AS ABAP

- 1 Lesson: Explaining the Basic Architecture of SAP NetWeaver AS
- 1 Lesson: Describing the Process of a System Logon (AS ABAP)
- 1 Lesson: Configuring SAP Logon
- 1 Lesson: Setting Up Logon Groups in AS ABAP
- 1 Lesson: Appendix - Executing Basic Administration Transactions

3 Unit 2: Starting and Stopping SAP Systems

- 3 Lesson: Describing the System Start Procedure
- 3 Lesson: Starting and Stopping SAP Systems
- 3 Lesson: Using the Logs written during System Startup

5 Unit 3: Tools for System Configuration

- 5 Lesson: Understanding the Parameter Evaluation Sequence
- 5 Lesson: Explaining How Profile Parameters are Set
- 5 Lesson: Setting Up Operation Modes
- 5 Lesson: Working with ABAP Task Manager

7 Unit 4: Introduction to Database Administration

- 7 Lesson: Describing the Architecture of Database Systems
- 7 Lesson: Scheduling and Monitoring Database Actions with the DBA Cockpit
- 7 Lesson: Performing Regular Database Checks
- 7 Lesson: Appendix - Describing the Concept of SAP Data Archiving

9 Unit 5: Users and Authorizations

- 9 Lesson: Creating, Copying, and Maintaining User Master Records
- 9 Lesson: Maintaining User Authorizations with Roles and Profiles
- 9 Lesson: Defining Login Parameters and Using the User Information System
- 9 Lesson: Appendix - Describing Advanced User Administration Tasks

11 Unit 6: RFC Connections

- 11 Lesson: Communicating between SAP Systems using Remote Function Calls
- 11 Lesson: Setting Up RFC Connections

13 Unit 7: Maintaining SAP Software

- 13 Lesson: Using SAP Notes and Support Packages
- 13 Lesson: Preparing for Software Maintenance
- 13 Lesson: Describing Support Package Manager (SPAM) and Software Update Manager (SUM)
- 13 Lesson: Importing SAP Support Packages
- 13 Lesson: Explaining SAP Enhancement Packages

15 Unit 8: Output Management

- 15 Lesson: Configuring Printers in SAP Systems
- 15 Lesson: Setting Up Logical Spool Servers
- 15 Lesson: Managing Spool Requests
- 15 Lesson: Managing Output Devices with Printing Assistant for Landscapes

17 Unit 9: Background Processing

- 17 Lesson: Explaining Background Processing
- 17 Lesson: Scheduling Time-Dependent Jobs
- 17 Lesson: Scheduling Event-Dependent Jobs
- 17 Lesson: Describing special Options for Background Processing
- 17 Lesson: Appendix - Describing Job Management Options

19 Unit 10: System Monitoring and Troubleshooting

- 19 Lesson: Using the Monitoring Architecture of the Computing Center Management System
- 19 Lesson: Explaining the Concept of Monitoring Tools in SAP Solution Manager
- 19 Lesson: Tracing and Logging in the SAP System
- 19 Lesson: Troubleshooting Procedures

Course Overview

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:

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

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:

- Perform key administrative tasks using 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: Using the 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 roles and users
- Describe the concept of a work center role

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:

- Import an update using Support Package Manager (SPAM), Software Update Manager (SUM), and the Add-On Installation Tool (SAINT)

Lesson 4: Importing SAP Support Packages

Lesson Objectives

After completing this lesson, you will be able to:

- Import SAP Support Packages
- Outline the process of importing SAP Support Packages

Lesson 5: Explaining SAP Enhancement Packages

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the function of SAP Enhancement Packages

Lesson 1: Configuring Printers in SAP Systems

Lesson Objectives

After completing this lesson, you will be able to:

- Configure printers in your SAP system
- Create output devices in the SAP System
- List important access methods

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 - Describing Job Management Options

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how jobs are scheduled and monitored in SAP Solution Manager with the Job Management work center

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