ADM940

Authorization Concept for SAP S/4HANA and SAP Business Suite

COURSE OUTLINE

Course Version: 20 Course Duration:

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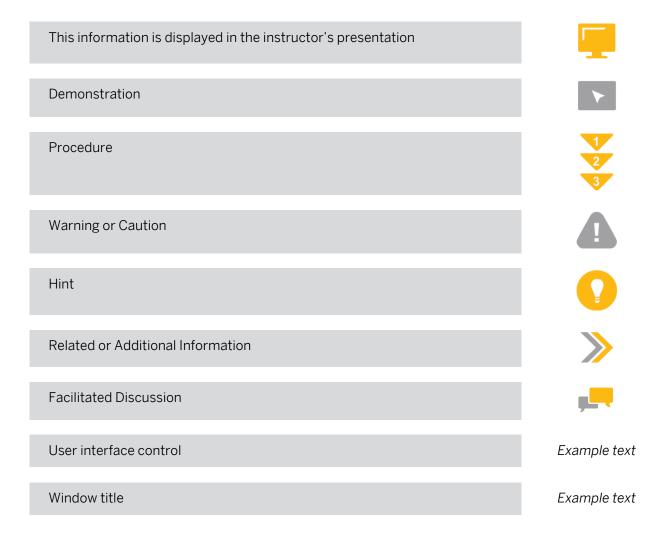
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Typographic Conventions

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:



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UNIT 1 Authorizations in General

Lesson 1: What Are Authorizations?

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP authorization concept as part of a comprehensive security concept
- Explain the access control mechanisms
- Explain how users, roles, and authorizations are related
- Describe the technical implementation of a role-based authorization concept

Lesson 2: Creating and Implementing an Authorization Concept

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the structure of an authorization concept
- List the steps required to implement a concept
- Describe the activities for the individual implementation steps
- Use the presented procedure model for implementing an authorization concept for your own projects
- Explain the strategy for user and authorization administration



UNIT 2 Basic Terminology of Authorizations

Lesson 1: Elements and Terminology of the Authorization Concept (ABAP)

Lesson Objectives

After completing this lesson, you will be able to:

- Describe and differentiate between the individual elements of the authorization concept
- Describe the relationships between the elements in the overall concept
- Explain the differences between roles and authorization profiles
- Find out the meaning of an authorization object
- Explain the relationship between roles and the Easy Access Menu

Lesson 2: Authorization Checks in the SAP System

Lesson Objectives

After completing this lesson, you will be able to:

- · Explain when authorization checks are performed
- Describe the difference between the authorization check when a transaction is started and the authorization check performed by a program
- Define the function of the user buffer and evaluate the buffered user authorizations
- Control some additional checks without "modifying" the system



UNIT 3 User Settings

Lesson 1: Maintaining and Evaluating User Data

Lesson Objectives

After completing this lesson, you will be able to:

- Create and change user master records
- Set the values on the tab pages of the user master record
- Define the differences between the user types
- Operate and implement mass maintenance
- Display and archive change documents for authorization assignment



UNIT 4

Working with the Role Maintenance

Lesson 1: Role Maintenance and Standard Roles

Lesson Objectives

After completing this lesson, you will be able to:

- Describe and explain the basic steps for assigning authorizations with the Role Maintenance
- Create new roles, change and copy roles, and specify their activities
- Display and maintain authorizations that were generated automatically
- Compare user master records directly in role maintenance "PFCG" or in user maintenance "SU01"
- Describe how to perform a mass comparison and state which report you can schedule for an automatic comparison

Lesson 2: Special ABAP Roles

Lesson Objectives

After completing this lesson, you will be able to:

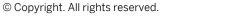
- Describe the use of Customizing roles
- Explain the advantages and disadvantages of composite roles
- Define the relationship between reference roles and derived roles
- Bundle frequently used transactions and map them with different instances using derived roles
- Describe how to perform a mass comparison and state, which report you can schedule for an automatic comparison

Lesson 3: Subtleties of Authorization Maintenance

Lesson Objectives

After completing this lesson, you will be able to:

- Interpret the red, yellow, and green traffic lights for different field contents
- Describe the meaning of the icons in the PFCG authorization maintenance
- Define the hierarchy of status terms, and explain when which term is used
- Distinguish between the expert mode and simple maintenance for authorizations





• List additional functions that are accessible through the menu

UNIT 5 Basic Settings

Lesson 1: Role Maintenance: Installation and Upgrade

Lesson Objectives

After completing this lesson, you will be able to:

- Perform the steps necessary to install the Role Maintenance
- Find default values and check indicators in the system
- Modify, delete, or extend the default values of the Role Maintenance
- Perform the necessary steps after an upgrade for postprocessing old and new authorization values
- Describe new functionality in transaction SU25

Lesson 2: Access Control and User Administration

Lesson Objectives

After completing this lesson, you will be able to:

- Define password rules and system profile parameters
- Protect special users in the SAP system
- Protect SAP functions with authorization object S_TCODE
- Protect tables and views using authorization groups
- Protect programs with authorization groups
- Describe tasks in user and authorization administration
- List options for separating functions of user and authorization administration
- Describe options for decentralization of user administration
- Create user and authorization administrators with limited rights (using authorization objects)



UNIT 6 Using Traces

Lesson 1: Troubleshooting and Administration Aids

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze authorization checks in various ways
- Use transaction SU53 to find missing authorizations (also for other users)
- Run the system trace for authorization checks
- Apply the features of the information system and use them for different tasks

Lesson 2: Using Trace Evaluation to maintain Menus and Authorizations

Lesson Objectives

After completing this lesson, you will be able to:

- Use the system trace to maintain the menu and authorization data for roles
- Use the system trace to maintain authorization default values



Lesson 1: Transporting Authorization Components

Lesson Objectives

After completing this lesson, you will be able to:

- Copy user master records to other clients
- Transport roles and describe the behavior in the system: With and without profile information, with and without user assignments, in a CUA landscape or without CUA
- Transport check indicators using Transaction SU25
- Describe the transport behavior of composite, reference, and derived roles
- List other transport options



UNIT 8 Integration into the Company Landscape

Lesson 1: Central User Administration (CUA)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how the central user administration functions
- Specify the most important steps for setting up the central user administration
- Define distribution rules for user data
- Create, maintain and distribute users centrally
- Perform system comparisons for users that are not yet maintained centrally

Lesson 2: SAP NetWeaver Identity Management

Lesson Objectives

After completing this lesson, you will be able to:

- understand what SAP NetWeaver Identity Management is
- estimate the effort switching from CUA to SAP NetWeaver Identity Management

Lesson 3: Integration into Organizational Management

Lesson Objectives

After completing this lesson, you will be able to:

- Create organizational units in HR Organizational Management
- Link roles with the organizational plan objects
- Link users with the organizational plan objects
- Perform a comparison of the indirect role and user assignments
- Compare user master record
- Assign roles for a specific period of time

