ADM940

Authorization Concept 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.

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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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

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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

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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

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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

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- List additional functions that are accessible through the menu

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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)

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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

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UNIT 7 Transporting Authorizations

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

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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

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