

# ADM950

## Secure SAP System Management

### COURSE OUTLINE

Course Version: 19

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



# Contents

vii	<b>Course Overview</b>
<b>1</b>	<b>Unit 1: Introduction to Internal Security Auditing</b>
1	Lesson: Describing Security Auditing
<b>3</b>	<b>Unit 2: Audit Information System (AIS) and the Audit Information System Cockpit</b>
3	Lesson: Configuring and Using the AIS
3	Lesson: SAP Solution for Managing the Audit
3	Lesson: Appendix: Performing a System Audit Using the Audit Cockpit
<b>5</b>	<b>Unit 3: User and Authorization Audit</b>
5	Lesson: Customizing the Role Maintenance Tool
5	Lesson: Analyzing and Securing Users
5	Lesson: Describing Segregation of Duties and Critical Authorization
5	Lesson: Securing the System by Login-Related Parameters
5	Lesson: Describing the User Management Engine (UME) in SAP NetWeaverAS for Java
<b>7</b>	<b>Unit 4: Logs in AS ABAP</b>
7	Lesson: Configuring and Using the Security Audit Log
7	Lesson: Monitoring AS ABAP Using Logs
<b>9</b>	<b>Unit 5: Security in System Administration Tasks</b>
9	Lesson: Securing System Administration Services
9	Lesson: Securing External System Access and RFC Communications
<b>11</b>	<b>Unit 6: Security in Change Management</b>
11	Lesson: Securing Change Management
11	Lesson: Understanding Software Security Vulnerabilities
<b>13</b>	<b>Unit 7: SAP Security Notes</b>
13	Lesson: Consulting SAP Security Notes
13	Lesson: Appendix: Optimizing Security Using SAP Security Optimizaton Self-Service
13	Lesson: Appendix: Implementing and Checking Technical Security Recommendations



# Course Overview

## **TARGET AUDIENCE**

This course is intended for the following audiences:

- Technology Consultant
- System Administrator





## Lesson 1: Describing Security Auditing

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe security auditing
- Describe the basics of SAP Access Governance



## Lesson 1: Configuring and Using the AIS

### Lesson Objectives

After completing this lesson, you will be able to:

- Review the Audit Information System (AIS)
- Perform a system audit using the AIS

## Lesson 2: SAP Solution for Managing the Audit

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP Audit Management
- Understand how SAP Audit Management can support internal audit activities

## Lesson 3: Appendix: Performing a System Audit Using the Audit Cockpit

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the audit structure
- Perform a system audit using the Audit Cockpit
- Display the audit logs



## Lesson 1: Customizing the Role Maintenance Tool

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe authorizations generated by the role maintenance tool
- Verify the authorization default values for the role maintenance tool

## Lesson 2: Analyzing and Securing Users

### Lesson Objectives

After completing this lesson, you will be able to:

- Display users and user groups
- Analyze user authorizations
- Secure user SAP\*

## Lesson 3: Describing Segregation of Duties and Critical Authorization

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe segregation of duties and critical authorization

## Lesson 4: Securing the System by Login-Related Parameters

### Lesson Objectives

After completing this lesson, you will be able to:

- Check login-related parameters

## Lesson 5: Describing the User Management Engine (UME) in SAP NetWeaverAS for Java

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the User Management Engine (UME) and UME groups

## Lesson 1: Configuring and Using the Security Audit Log

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the Security Audit Log
- Check the configuration of the Security Audit Log

## Lesson 2: Monitoring AS ABAP Using Logs

### Lesson Objectives

After completing this lesson, you will be able to:

- Monitor applications in AS ABAP
- Monitor the WebFlow (or workflow) log
- Monitor data changes in tables
- Monitor transports in the change and transport system
- Monitor changes in user and authorizations
- Monitor read access





## Lesson 1: Securing System Administration Services

### Lesson Objectives

After completing this lesson, you will be able to:

- Secure background job scheduling
- Secure spool and other administration services

## Lesson 2: Securing External System Access and RFC Communications

### Lesson Objectives

After completing this lesson, you will be able to:

- Secure Access to Remote Function Modules in your SAP AS ABAP Applications
- Secure RFC Communications



## Lesson 1: Securing Change Management

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe change management
- Configure the system and client change settings
- Verify security settings in transports and change management

## Lesson 2: Understanding Software Security Vulnerabilities

### Lesson Objectives

After completing this lesson, you will be able to:

- Understand Security Vulnerabilities



## **Lesson 1: Consulting SAP Security Notes**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Consult SAP Security Notes

## **Lesson 2: Appendix: Optimizing Security Using SAP Security Optimizaton Self-Service**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Use the SAP Security Optimization Self-Service

## **Lesson 3: Appendix: Implementing and Checking Technical Security Recommendations**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Implement and check technical security recommendations using SAP Solution Manager