

ADM415

SAP S/4HANA - Performance Analysis

COURSE OUTLINE

Course Version: 23

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>

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Technology Consultant
- System Administrator
- System Architect

Lesson 1: Analyzing the Components of a Dialog Step

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the components of a dialog step

Lesson 2: Describing Statistical Records and the Workload Monitor

Lesson Objectives

After completing this lesson, you will be able to:

- Describe statistical records and the workload monitor

Lesson 1: Analyzing SAP System Performance

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP performance monitors

Lesson 2: Appendix: Configuring Dynamic Work Processes

Lesson Objectives

After completing this lesson, you will be able to:

- Configure dynamic work processes

Lesson 3: Appendix: Analyzing and Improving ICM Performance

Lesson Objectives

After completing this lesson, you will be able to:

- Appendix: Analyzing ICM Performance

Lesson 1: Describing SAP Memory Areas

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP memory areas

Lesson 2: Understanding SAP Memory Allocation

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP memory allocation

Lesson 3: Implementing SAP Extended Memory

Lesson Objectives

After completing this lesson, you will be able to:

- Implement SAP extended memory

Lesson 1: Analyzing Hardware Bottlenecks

Lesson Objectives

After completing this lesson, you will be able to:

- Describe hardware bottlenecks

Lesson 2: Optimizing Hardware Utilization

Lesson Objectives

After completing this lesson, you will be able to:

- Optimize hardware utilization

Lesson 1: Describing Table Buffering in SAP Systems

Lesson Objectives

After completing this lesson, you will be able to:

- Describe table buffering in SAP systems

Lesson 2: Analyzing Table Buffering

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze table buffering

Lesson 1: Exploring RFC Basics

Lesson Objectives

After completing this lesson, you will be able to:

- Describe RFC basics

Lesson 2: Monitoring RFC Load and Solving RFC Load Problems

Lesson Objectives

After completing this lesson, you will be able to:

- Monitor RFC load and solve RFC load problems

Lesson 1: Introducing SAP HANA Cockpit 2.0

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the basic functionality of the SAP HANA Cockpit tools.

Lesson 2: Using the SAP HANA Cockpit Performance Analysis Tools

Lesson Objectives

After completing this lesson, you will be able to:

- Use the SAP HANA Cockpit tools to analyze memory and CPU performance.

Lesson 1: Introduction to SAP Solution Manager Root Cause Analysis Tools

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the basic functionality of SAP Solution Manager Root Cause Analysis

Lesson 2: Using SAP Solution Manager Root Cause Analysis Tools for Performance Analysis

Lesson Objectives

After completing this lesson, you will be able to:

- Using SAP Solution Manager to detect Performance Issues

Lesson 3: Appendix: SAP Solution Manager Additional Tools

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how additional features in SAP Solution Manager helps you to solve performance issues

Lesson 1: Detecting Expensive SQL Statements

Lesson Objectives

After completing this lesson, you will be able to:

- Detect Expensive SQL Statements
- Explain why even a few expensive SQL statements may reduce the performance for the whole SAP system
- Use the corresponding monitors to detect expensive SQL statements

Lesson 2: Analyzing and Tuning Expensive SQL Statements

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze and tune expensive SQL statements
- Optimize database access