

HA200

SAP HANA 2.0 SPS04 - Installation and Administration

COURSE OUTLINE

Course Version: 16
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:

- System Administrator

Lesson 1: Introducing SAP HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the need for SAP HANA
- Find additional documentation

Lesson 1: SAP HANA Sizing

Lesson Objectives

After completing this lesson, you will be able to:

- Perform SAP HANA sizing

Lesson 2: Linux Operating System Requirements

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the Linux operating system requirements for SAP HANA

Lesson 1: Installing SAP HANA 2.0

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the SAP HANA lifecycle management tools

Lesson 2: Installing SAP HANA Cockpit 2.0

Lesson Objectives

After completing this lesson, you will be able to:

- Install SAP HANA Cockpit 2.0

Lesson 3: Describing Advanced Installation Options

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the advanced installation options

Lesson 4: Explaining a Distributed System

Lesson Objectives

After completing this lesson, you will be able to:

- Explain a multi-host system

Lesson 1: SAP HANA Architecture and Technology

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the SAP HANA architecture and technology

Lesson 1: Describing SAP HANA Roadmap and Scenarios

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP HANA roadmap and scenarios

Lesson 2: Explaining SAP HANA as Primary Persistence for SAP NetWeaver-based Applications

Lesson Objectives

After completing this lesson, you will be able to:

- Explain SAP HANA as primary persistence for SAP NetWeaver-based applications

Lesson 3: Explaining SAP HANA as an Application Plattform

Lesson Objectives

After completing this lesson, you will be able to:

- Explain SAP HANA as an application platform

Lesson 4: Identifying Deployment Options

Lesson Objectives

After completing this lesson, you will be able to:

- Identify deployment options for SAP HANA

Lesson 1: Introducing SAP HANA Cockpit 2.0

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the SAP HANA cockpit 2.0 architecture

Lesson 2: Configuring SAP HANA Cockpit 2.0

Lesson Objectives

After completing this lesson, you will be able to:

- Configure SAP HANA cockpit 2.0

Lesson 3: Updating SAP HANA Cockpit 2.0

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the SAP HANA cockpit 2.0 revision strategy
- Update SAP HANA cockpit 2.0 to a newer Support Package

Lesson 1: SAP HANA Memory Management and Data Persistence

Lesson Objectives

After completing this lesson, you will be able to:

- Explain SAP HANA memory management and data persistence

Lesson 1: Performing Post-Installation Steps

Lesson Objectives

After completing this lesson, you will be able to:

- Perform the post-installation steps after a SAP HANA installation

Lesson 2: Updating SAP HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Update an SAP HANA database using the HDBLCM tool

Lesson 3: Using the Resident SAP HANA Database Lifecycle Manager Tool

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the resident HDBLCM functions

Lesson 4: Using SAP HANA Interactive Education

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the installation and use of SAP HANA Interactive Education

Lesson 5: Explaining the Revision Strategy of SAP HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the SAP HANA revision strategy

Lesson 1: Explaining the Administration Tools

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the available administration tools

Lesson 2: Using the SAP HANA HDBSQL Command Line Tool

Lesson Objectives

After completing this lesson, you will be able to:

- Use the HDBSQL command line tool
- Explain different ways of logging on to the SAP HANA database

Lesson 3: Working with the DBA Cockpit

Lesson Objectives

After completing this lesson, you will be able to:

- Work with the DBA Cockpit

Lesson 4: Managing SAP Landscapes

Lesson Objectives

After completing this lesson, you will be able to:

- Manage complex SAP landscapes

Lesson 5: Appendix: Using SAP HANA Studio

Lesson Objectives

After completing this lesson, you will be able to:

- Use SAP HANA studio

Lesson 1: Starting and Stopping SAP HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Use the different tools to start and stop SAP HANA

Lesson 2: Checking for SAP HANA Alerts

Lesson Objectives

After completing this lesson, you will be able to:

- Check for SAP HANA alerts

Lesson 3: Daily Database Administration Tasks

Lesson Objectives

After completing this lesson, you will be able to:

- Perform daily database administration tasks

Lesson 4: Configuring the SAP HANA Database

Lesson Objectives

After completing this lesson, you will be able to:

- Configure the SAP HANA database

Lesson 5: SAP HANA Mini Checks

Lesson Objectives

After completing this lesson, you will be able to:

- Use the SAP HANA Mini Checks

Lesson 6: Working with SAP HANA Traces

Lesson Objectives

After completing this lesson, you will be able to:

- Configure SAP HANA traces
- Check SAP HANA traces

Lesson 7: Performing SAP HANA Table Administration

Lesson Objectives

After completing this lesson, you will be able to:

- Perform SAP HANA table administration

Lesson 1: Explaining Backup and Recovery

Lesson Objectives

After completing this lesson, you will be able to:

- Explain backup and recovery

Lesson 2: Performing Data Area Backup

Lesson Objectives

After completing this lesson, you will be able to:

- Perform data area backup

Lesson 3: Configuring a Log Area Backup

Lesson Objectives

After completing this lesson, you will be able to:

- Configure a log area backup

Lesson 4: Describing Additional Backup Topics

Lesson Objectives

After completing this lesson, you will be able to:

- Describe additional backup topics

Lesson 5: Performing Database Recovery

Lesson Objectives

After completing this lesson, you will be able to:

- Recover a database

Lesson 6: Creating a Fallback Snapshot

Lesson Objectives

After completing this lesson, you will be able to:

- Create a fallback snapshot

Lesson 7: Explaining Backup and Recovery Using Data Snapshots

Lesson Objectives

After completing this lesson, you will be able to:

- Explain backup and recovery using data snapshots

Lesson 8: Explaining Database Copy

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the scenarios for a database copy

Lesson 1: Describing Security Functions

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP HANA security functions

Lesson 2: Explaining Encryption

Lesson Objectives

After completing this lesson, you will be able to:

- Explain encryption

Lesson 3: Describing Auditing

Lesson Objectives

After completing this lesson, you will be able to:

- Describe auditing

Lesson 1: SAP HANA Authentication and Authorization

Lesson Objectives

After completing this lesson, you will be able to:

- Understand user management
- Understand authentication and authorization

Lesson 2: Types of Privileges

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the different types of privileges
- Explain what an object privilege is
- Explain what a package privilege is

Lesson 3: SAP HANA Roles

Lesson Objectives

After completing this lesson, you will be able to:

- Understand roles

Lesson 4: Administrative Tasks

Lesson Objectives

After completing this lesson, you will be able to:

- Perform administrative tasks
- Reset a locked user

Lesson 5: Information Sources for Administrators

Lesson Objectives

After completing this lesson, you will be able to:

- Explain information sources for administrators
- Analyze which privileges a user has been granted