HA200

SAP HANA 2.0 SPS03 - Installation and Administration

COURSE OUTLINE

Course Version: 15
Course Duration:
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Typographic Conventions

American English is the standard used in this handbook. The following typographic conventions are also used.

<table>
<thead>
<tr>
<th>Typographic Convention</th>
<th>Example text</th>
</tr>
</thead>
<tbody>
<tr>
<td>This information is displayed in the instructor’s presentation</td>
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<tr>
<td>Demonstration</td>
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<td>Procedure</td>
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<td>Warning or Caution</td>
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<td>Hint</td>
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<td>Related or Additional Information</td>
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<td>Facilitated Discussion</td>
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<td>User interface control</td>
<td></td>
</tr>
<tr>
<td>Window title</td>
<td></td>
</tr>
</tbody>
</table>

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Contents

vii Course Overview

1 Unit 1: SAP HANA Introduction
1 Lesson: SAP HANA Introduction
1 Lesson: SAP HANA Information Sources

3 Unit 2: Installation Preparations
3 Lesson: SAP HANA Sizing
3 Lesson: Linux Operating System Requirements

5 Unit 3: SAP HANA Installation
5 Lesson: Introducing SAP HANA Lifecycle Management Tools
5 Lesson: Describing Advanced Installation Options
5 Lesson: Explaining a Distributed System

7 Unit 4: SAP HANA Architecture
7 Lesson: SAP HANA Architecture and Technology
7 Lesson: SAP HANA Memory Management and Data Persistence

9 Unit 5: SAP HANA Cockpit 2.0
9 Lesson: Introducing SAP HANA Cockpit 2.0
9 Lesson: Installing SAP HANA Cockpit 2.0
9 Lesson: Configuring SAP HANA Cockpit 2.0
9 Lesson: Updating SAP HANA Cockpit 2.0

11 Unit 6: SAP HANA Scenarios and Deployment Options
11 Lesson: Describing SAP HANA Roadmap and Scenarios
11 Lesson: Identifying Deployment Options

13 Unit 7: Post Installation Tasks
13 Lesson: Performing Post-Installation Steps
13 Lesson: Updating SAP HANA
13 Lesson: Using the Resident SAP HANA Database Lifecycle Manager (HDBLCM) Tool
13 Lesson: Using SAP HANA Interactive Education (SHINE)
13 Lesson: Explaining the Revision Strategy of SAP HANA
<table>
<thead>
<tr>
<th>15</th>
<th>Unit 8: Administration Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Lesson: Explaining the Administration Tools</td>
</tr>
<tr>
<td>15</td>
<td>Lesson: Using the HDBSQL Command Line Tool</td>
</tr>
<tr>
<td>15</td>
<td>Lesson: Working with the DBA Cockpit</td>
</tr>
<tr>
<td>15</td>
<td>Lesson: Managing SAP Landscapes</td>
</tr>
<tr>
<td>15</td>
<td>Lesson: Using SAP HANA Studio</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>17</th>
<th>Unit 9: Database Administration Tasks</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>Lesson: Starting and Stopping SAP HANA</td>
</tr>
<tr>
<td>17</td>
<td>Lesson: Configuring the SAP HANA Database</td>
</tr>
<tr>
<td>17</td>
<td>Lesson: Performing Regular Database Administration Tasks</td>
</tr>
<tr>
<td>17</td>
<td>Lesson: SAP HANA Mini Checks</td>
</tr>
<tr>
<td>17</td>
<td>Lesson: Configuring Traces</td>
</tr>
<tr>
<td>17</td>
<td>Lesson: Working with Diagnosis Information and Diagnosis Files</td>
</tr>
<tr>
<td>18</td>
<td>Lesson: Using the SQL Console</td>
</tr>
<tr>
<td>18</td>
<td>Lesson: Performing SAP HANA Table Administration</td>
</tr>
<tr>
<td>18</td>
<td>Lesson: Transporting Changes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>19</th>
<th>Unit 10: Backup and Recovery</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Lesson: Explaining Backup and Recovery</td>
</tr>
<tr>
<td>19</td>
<td>Lesson: Performing Data Area Backup</td>
</tr>
<tr>
<td>19</td>
<td>Lesson: Configuring a Log Area Backup</td>
</tr>
<tr>
<td>19</td>
<td>Lesson: Describing Additional Backup Topics</td>
</tr>
<tr>
<td>19</td>
<td>Lesson: Performing Database Recovery</td>
</tr>
<tr>
<td>19</td>
<td>Lesson: Explaining Backup and Recovery Using Data Snapshots</td>
</tr>
<tr>
<td>20</td>
<td>Lesson: Creating a Fallback Snapshot</td>
</tr>
<tr>
<td>20</td>
<td>Lesson: Explaining Database Copy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>21</th>
<th>Unit 11: Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>Lesson: Describing Security Functions</td>
</tr>
<tr>
<td>21</td>
<td>Lesson: Explaining Encryption</td>
</tr>
<tr>
<td>21</td>
<td>Lesson: Describing Auditing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>23</th>
<th>Unit 12: Maintaining Users and Authorization</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>Lesson: SAP HANA Authentication and Authorization</td>
</tr>
<tr>
<td>23</td>
<td>Lesson: Types of Privileges</td>
</tr>
<tr>
<td>23</td>
<td>Lesson: SAP HANA Roles</td>
</tr>
<tr>
<td>23</td>
<td>Lesson: Administrative Tasks</td>
</tr>
<tr>
<td>23</td>
<td>Lesson: Information Sources for Administrators</td>
</tr>
</tbody>
</table>
TARGET AUDIENCE
This course is intended for the following audiences:

- System Administrator
Lesson 1: SAP HANA Introduction

Lesson Objectives
After completing this lesson, you will be able to:

• Understand the need for SAP HANA

Lesson 2: SAP HANA Information Sources

Lesson Objectives
After completing this lesson, you will be able to:

• Find SAP HANA Information Sources
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 System Requirements for SAP HANA
Lesson 1: Introducing SAP HANA Lifecycle Management Tools

Lesson Objectives
After completing this lesson, you will be able to:

- Explain the SAP HANA Lifecycle Management Tools

Lesson 2: Describing Advanced Installation Options

Lesson Objectives
After completing this lesson, you will be able to:

- Explain the advanced installation options

Lesson 3: Explaining a Distributed System

Lesson Objectives
After completing this lesson, you will be able to:

- Explain a multiple-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 2: SAP HANA Memory Management and Data Persistence

Lesson Objectives
After completing this lesson, you will be able to:

- Explaining SAP HANA Memory Management and Data Persistence
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: 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: Configuring SAP HANA Cockpit 2.0

Lesson Objectives
After completing this lesson, you will be able to:

- Configure SAP HANA Cockpit 2.0

Lesson 4: 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: Describing SAP HANA Roadmap and Scenarios

Lesson Objectives
After completing this lesson, you will be able to:

Lesson 2: Identifying Deployment Options

Lesson Objectives
After completing this lesson, you will be able to:

- Talk about solution packages
- Explain the different deployment options for SAP HANA
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 (HDBLCM) Tool

Lesson Objectives
After completing this lesson, you will be able to:

- Explain the resident HDBLCM functions

Lesson 4: Using SAP HANA Interactive Education (SHINE)

Lesson Objectives
After completing this lesson, you will be able to:

- Explain the installation and use of SAP HANA InteractiveEducation (SHINE)

Lesson 5: Explaining the Revision Strategy of SAP HANA

Lesson Objectives
After completing this lesson, you will be able to:

- Understand the SAP HANA maintenance 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 HDBSQL Command Line Tool
Lesson Objectives
After completing this lesson, you will be able to:

- Use the HDBSQL Command Line Tool

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
- Manage SAP Landscapes powered by SAP HANA

Lesson 5: 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:
- Start and stop SAP HANA

Lesson 2: Configuring the SAP HANA Database
Lesson Objectives
After completing this lesson, you will be able to:
- Configure the SAP HANA database

Lesson 3: Performing Regular Database Administration Tasks
Lesson Objectives
After completing this lesson, you will be able to:
- Perform regular database administration tasks

Lesson 4: SAP HANA Mini Checks
Lesson Objectives
After completing this lesson, you will be able to:
- Using the SAP HANA mini checks

Lesson 5: Configuring Traces
Lesson Objectives
After completing this lesson, you will be able to:
- Configure SAP HANA traces

Lesson 6: Working with Diagnosis Information and Diagnosis Files
Lesson Objectives
After completing this lesson, you will be able to:

• Work with diagnosis information

**Lesson 7: Using the SQL Console**

**Lesson Objectives**
After completing this lesson, you will be able to:

• Use the SQL console

**Lesson 8: Performing SAP HANA Table Administration**

**Lesson Objectives**
After completing this lesson, you will be able to:

• Perform SAP HANA table administration

**Lesson 9: Transporting Changes**

**Lesson Objectives**
After completing this lesson, you will be able to:

• Transport changes
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:

- Perform database recovery

Lesson 6: 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 7: Creating a Fallback Snapshot

Lesson Objectives
After completing this lesson, you will be able to:

- Create a Fallback Snapshot

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

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

Lesson 5: Information Sources for Administrators

Lesson Objectives
After completing this lesson, you will be able to:

- Explain Information Sources for Administrators