HA201
SAP HANA 2.0 SPS04 - High Availability and Disaster Tolerance 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.

<table>
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TARGET AUDIENCE
This course is intended for the following audiences:

- Technology Consultant
- Database Administrator
- System Administrator
UNIT 1

SAP HANA High Availability Features Overview

Lesson 1: Explaining the SAP HANA High Availability Features

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

• Understand the different SAP HANA high availability features

Lesson 2: Exploring Disaster Recovery in SAP HANA

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

• Learn about the disaster recovery features in SAP HANA

Lesson 3: Exploring Fault Recovery in SAP HANA

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

• Explain the fault recovery features of SAP HANA
Lesson 1: Installing High Availability SAP HANA
Lesson Objectives
After completing this lesson, you will be able to:
• Install a high availability SAP HANA system

Lesson 2: Explaining SAP HANA Scale-Out
Lesson Objectives
After completing this lesson, you will be able to:
• Introducing SAP HANA scale-out systems

Lesson 3: Partitioning Tables
Lesson Objectives
After completing this lesson, you will be able to:
• Perform table partitioning tasks

Lesson 4: Table Placement
Lesson Objectives
After completing this lesson, you will be able to:
• Perform Table Placement Tasks

Lesson 5: Reconfiguring a Scale-Out SAP HANA System
Lesson Objectives
After completing this lesson, you will be able to:
• Reconfigure a scale-out SAP HANA system

Lesson 6: Understanding Failure of an SAP HANA Slave Node
Lesson Objectives
After completing this lesson, you will be able to:

• Understand what happens during a failure of a slave node

Lesson 7: Understanding Failure of the SAP HANA Master Node

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

• Understand what happens during a failure of the master node

Lesson 8: Removing a Host from a Scale-Out System

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

• Remove a host from a scale-out system

Lesson 9: Adding a Host to a Scale-Out System

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

• Add a host to a scale-out system
Lesson 1: Creating a Tenant Database in a Scale-Out Landscape

Lesson Objectives
After completing this lesson, you will be able to:
- Create scale-out tenants

Lesson 2: Backing up a Tenant Database

Lesson Objectives
After completing this lesson, you will be able to:
- Perform a backup of a tenant database

Lesson 3: Renaming and Deleting a Tenant Database

Lesson Objectives
After completing this lesson, you will be able to:
- Rename and delete a tenant database from a scale-out SAP HANA system

Lesson 4: Restoring a Tenant Database in a Scale-Out Landscape

Lesson Objectives
After completing this lesson, you will be able to:
- Restore a tenant database into a scale-out SAP HANA system

Lesson 5: Reinitializing a Non-Recoverable System Database

Lesson Objectives
After completing this lesson, you will be able to:
- Reinitialize a non-recoverable system database
Lesson 1: Introducing SAP HANA Disaster Tolerance

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

- Explain the available disaster tolerance options for SAP HANA

Lesson 2: Explaining SAP HANA Storage Replication

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

- Explain SAP HANA storage replication

Lesson 3: Explaining SAP HANA System Replication

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

- Explain SAP HANA system replication

Lesson 4: Setting up SAP HANA System Replication

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

- Set up SAP HANA system replication

Lesson 5: Creating Tenant Databases in a System Replication Scenario

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

- Create tenant databases in a system replication scenario

Lesson 6: Performing a Takeover on the Secondary System
Lesson Objectives
After completing this lesson, you will be able to:

- Perform a takeover on the secondary system

Lesson 7: Setting up Active/Active System Replication
Lesson Objectives
After completing this lesson, you will be able to:

- Set up Active/Active SAP HANA system replication

Lesson 8: Setting up SAP HANA System Replication with Secondary Time Travel
Lesson Objectives
After completing this lesson, you will be able to:

- Set up SAP HANA system replication with Secondary Time Travel

Lesson 9: Explaining Zero Downtime Maintenance
Lesson Objectives
After completing this lesson, you will be able to:

- Explain Zero Downtime Maintenance

Lesson 10: Introducing Multitier and Multitarget System Replication
Lesson Objectives
After completing this lesson, you will be able to:

- Explain Multitier and Multitarget System Replication
Lesson 1: Explaining Tenant Replication

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

- Understand the setup of tenant replication
Lesson 1: Using Python Support Scripts in SAP HANA

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

- Understand the Python support scripts used in SAP HANA