HA201

SAP HANA 2.0 SPS06 - High Availability and Disaster Tolerance Administration

COURSE OUTLINE

Course Version: 18
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	*Example text*
Window title	*Example text*

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Technology Consultant
- Database Administrator
- System Administrator

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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:

- Describe 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

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UNIT 2 SAP HANA Fault Tolerance

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: Performing Table Placements

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 a SAP HANA Worker Node

Lesson Objectives

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After completing this lesson, you will be able to:

- Understand what happens during a failure of a worker node

Lesson 7: Understanding Failure of the Coordinator Node

Lesson Objectives

After completing this lesson, you will be able to:

- Understand what happens during a failure of the coordinator 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

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UNIT 3 SAP HANA Disaster Tolerance

Lesson 1: Explaining SAP HANA Storage Replication

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

- Explain SAP HANA storage replication

Lesson 2: Explaining SAP HANA System Replication

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

- Explain SAP HANA system replication

Lesson 3: Setting up SAP HANA System Replication

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

- Set up SAP HANA system replication

Lesson 4: 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 5: 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 6: Setting up Active/Active System Replication

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

- Set up Active/Active SAP HANA system replication

Lesson 7: 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 8: Explaining Zero Downtime Maintenance

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

- Explain Zero Downtime Maintenance

Lesson 9: Introducing Multitier and Multitarget System Replication

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

- Explain multitier and multitarget system replication

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UNIT 4 SAP HANA Tenant Replication

Lesson 1: Explaining Tenant Replication

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the setup of tenant replication

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UNIT 5

Appendix: HANA Additional Scripts

Lesson 1: Appendix: 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

Lesson 2: Appendix: Reinitializing a Non-Recoverable System Database

Lesson Objectives

After completing this lesson, you will be able to:

- Reinitialize a non-recoverable system database

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