

TOC-SAP HANA Installation and Operations

Combined TOC – HA100, HA201, HA215, HA240 & HA250)

SAP HANA – 360° Introduction, HA100

(Solution Release: SAP HANA 2.0 SPS04)

- Describing SAP HANA
 - Understanding the Need for a Modern Digital Platform
 - Describing how SAP HANA Powers a Digital Platform
- Architecture of SAP HANA
 - Outlining Components of SAP HANA
 - Working with SAP HANA interfaces
 - Understanding Key Features of the SAP HANA Database
 - Describing High Availability
- Analytical Processing with SAP HANA
 - Understanding Core Modeling with SAP HANA
 - Advanced Analytics with SAP HANA
- Data Management with SAP HANA
 - Data Tiering
 - Describing Data Acquisition Tools
- Developing and Running Applications on SAP HANA
 - Running SAP Enterprise Suites on SAP HANA
 - Connecting SAP Business Intelligence Tools to SAP HANA
 - Outlining SAP Business Warehouse on SAP HANA
 - Developing SQL Data Warehouses with SAP HANA
 - Building Native HANA Applications

SAP HANA 2.0 SPS04 - High Availability and Disaster Tolerance Administration, HA201

(Solution Release: SAP HANA 2.0 SPS05)

- This course is the best starting point to learn about SAP HANA high availability, disaster tolerance and multitenant capabilities in larger SAP HANA landscapes.
- The course is independent from the SAP NetWeaver administration world, as it teaches how to perform system administration on the SAP HANA platform. The system administration tools used are native to the SAP HANA database platform.
- Throughout the course, you will learn about the following advanced SAP HANA administration topics.
 - SAP HANA scale-out and host auto failover.
 - SAP HANA multitenant features in an SAP HANA scale-out database system.
 - SAP HANA system replication between datacenters
 - SAP HANA Python scripts provided by SAP
- Contents:
 - SAP HANA High Availability and Disaster Tolerance
 - SAP HANA multi host scale-out and host auto failover
 - SAP HANA storage and system replication
 - SAP HANA system replication options
 - SAP HANA multitenant features
 - SAP HANA Python scripts provided by SAP

SAP HANA 2.0 SPS05 - Using Monitoring and Performance Tools, HA215

(Solution Release: SAP HANA 2.0 SPS05)

- This course is the best starting point to learn about the SAP HANA Monitoring and Performance Tools.
- Contents:
- Emergency Analysis and Troubleshooting using SAP HANA cockpit 2.0 SP12
 - Handling System Offline Situations
 - Handling System Hanging but Reachable Situations
 - Analyzing a Suddenly Slow System
- Structural System Performance Root Cause Analysis
 - Analyzing Memory Issues
 - Analyzing CPU Issues
 - Analyzing Expensive Statements Issues
 - Analyzing Disk and I/O Issues
- Proactive Monitoring and Performance Safeguarding
 - Configuring SAP HANA Alerting Framework
 - Setting up SAP HANA Workload Management
 - Using SAP HANA Capture and Replay

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SAP HANA 2.0 SPS04 - Authorizations, Scenarios & Security Requirements, HA240

(Solution Release: SAP HANA 2.0 SPS04)

- The aim of this course is to prepare the student to work on authorizations and security on the SAP HANA Platform. The course initially covers system level security including Network and Communication security and Data Storage encryption, then it focuses on user management, authentication, authorizations, and auditing. Specific exercises are proposed, about LDAP Group authorization, User Groups, Authorization trace.
- Concepts of application development are also introduced, since they are required to properly work on authorization roles in SAP HANA.

Database Migration using DMO - SAP HANA 2.0 SPS04, HA250

(Solution Release: SAP HANA 2.0 SPS04)

- Getting Familiar with Database Migration Option (DMO)
 - Listing DMO Benefits
 - Explaining DMO Basics
- Preparing Database Migration Option (DMO) Procedure
 - Ensuring DMO Prerequisites are fulfilled on the Host
 - Configuring SAP Host Agent for DMO
 - Examining the SUM UI
- Configuration of Database Migration Option (DMO) Procedure
 - Performing the DMO Run
 - Listing DMO Procedure Steps
 - Monitoring the Migration
 - Tuning the DMO Downtime
 - Explaining the DMO Release Schedule