

Training for Database & Technology with Administration in Database

Courses Listed

Beginner

- HA100 - SAP HANA® – 360° Introduction

Intermediate

- SAPTEC - Technology Fundamentals of SAP S/4HANA and SAP Business Suite

Advanced

- ADM100 - System Administration I of SAP S/4HANA and SAP Business Suite
- HA200 - SAP HANA Installing and administering
- HA201 - SAP HANA High Availability and Disaster Tolerance Administration
- HA215 - SAP HANA Using Monitoring and Performance Tools

All available schedules in your selection

HA201 SAP HANA High Availability and Disaster Tolerance Administration

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

HA215 SAP HANA Using Monitoring and Performance Tools

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

HA100 SAP HANA® – 360° Introduction

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

SAPTEC Technology Fundamentals of SAP S/4HANA and SAP Business Suite

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

ADM100 System Administration I of SAP S/4HANA and SAP Business Suite

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

HA200 SAP HANA Installing and administering

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

HA201 - SAP HANA High Availability and Disaster Tolerance Administration

Course announcements

- This course covers all key capabilities of SAP HANA 2.0 SPS07 database system in the areas of high availability and disaster tolerance. Through the lectures and exercises you will learn about SAP HANA scale-out and auto host-failover, SAP HANA storage and system replication with Active/Active. Copy and move SAP HANA tenants using tenant replication. You will install and configure these setups in our lab environment.

Goals

- This course will prepare you to:
- Install and configure a high available multi host SAP HANA scale- out database system.
- Understand what happens to SAP HANA scale-out system during a failure of a slave or master node.
- Install and configure SAP HANA system replication with the classic setup and the new Active/Active setup.
- Configure SAP HANA Time Travel
- Copy and move SAP HANA tenants using tenant replication.

Audience

- Database Administrator
- Help Desk/CoE Support
- System Administrator
- Technology Consultant

Essential

- HA200

Course based on software release

- SAP HANA 2.0 SPS07

Content

- 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

Notes

- In case you need to "deep dive" on specific subjects, this course can be coherently combined with the other courses in the SAP HANA curriculum, for example HA215 for SAP HANA monitoring and performance tools, and HA250 for database migration.

HA215 - SAP HANA Using Monitoring and Performance Tools

Course announcements

- In this course you will learn about emergency trouble shooting the SAP HANA database system using the SAP HANA cockpit 2.0. You will also learn how to use the SAP HANA traces to investigate for expensive SQL statements that might cause SAP HANA database performance problems in the areas of memory, CPU, and disk I/O. You will also learn how to setup SAP HANA workload management and SAP HANA capture and replay tools to perform proactive monitoring and performance safeguarding.

Goals

- This course will prepare you to:
- Use the SAP HANA cockpit to perform emergency trouble shooting, the SAP HANA traces to investigate for costly statements and to setup SAP HANA workload management and SAP HANA capture and replay tools.

Audience

- Database Administrator
- Help Desk/CoE Support
- System Administrator
- Technology Consultant

Essential

- HA200 - SAP HANA 2.0 - Installation and Administration
- Basic experience with the Linux operating system

Course based on software release

- SAP HANA 2.0 SPS07

Content

- Emergency Analysis and Troubleshooting using SAP HANA cockpit 2.0
- 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

Notes

- In case you need to "deep-dive" on specific subjects, this course can be coherently combined with the other courses in the SAP HANA curriculum, for example HA201 for high availability and disaster tolerance, and HA250 for database migration.

HA100 - SAP HANA® – 360° Introduction

Course announcements

- This course introduces SAP HANA. Through lectures and exercises you will quickly develop a broad understanding of all key areas of SAP HANA including technology, architecture, data modeling, data management and application development. This course is an important prerequisite for many detailed, follow-on SAP HANA courses. Topics covered in this course are included in most SAP HANA certifications.

Goals

- This course will prepare you to:
- Understand the key technology of SAP HANA
- Understand the key roles and their responsibilities in an SAP HANA project
- Work with the various SAP HANA interfaces used by developers and administrators
- Create a data model using SAP HANA modeling tools
- Acquire and enrich data and load to SAP HANA
- Build a report that runs on an SAP HANA data model
- Get started with the application development environment

Audience

- Application Consultant
- Business Analyst
- Change Manager
- Database Administrator
- Application Developer
- BI / BW consultant
- Data Scientist
- SAP HANA Project Manager

- SAP HANA Support Staff

Essential

- None

Course based on software release

- SAP HANA 2.0 SPS07

Content

- Describing SAP HANA
- Technical requirements of SAP HANA
- Data management with SAP HANA
- Analytical processing with SAP HANA
- Powering data warehouses with SAP HANA
- Running SAP applications on SAP HANA
- Developing Applications of SAP HANA
- Monitoring SAP HANA
- Security and data privacy with SAP HANA
- Migration to SAP HANA

SAPTEC - Technology Fundamentals of SAP S/4HANA and SAP Business Suite

Course announcements

- Would you like to understand how SAP systems function?
- This course introduces the technology fundamentals of most SAP applications (incl. SAP S/4HANA and SAP Business Suite), how SAP systems function, as well as an introduction to different user interfaces, such as SAP Fiori or SAP GUI. The training contains hands-on exercises in an SAP S/4HANA system and other SAP applications. The course will also introduce learners to the SAP strategy and provides an overview of cloud topics.
- After completing this course, users will have acquired the fundamental technology knowledge necessary to follow the learning path to their choice of business role ranging from SAP System administrator to developer to user interface expert or to project or program manager.

Goals

- This course will prepare you to:
- Present in detail the architecture of SAP Application Server. The SAP Application Server is the central component of SAP S/4HANA, and the SAP Business Suite.
- Learn effective techniques for navigating
- Receive an overview of the development process in an SAP system landscape
- Understand the basics of the SAP strategy

Audience

- System Administrator
- Technology Consultant
- System Architect
- Database Administrator
- Help Desk / COE Support

- Program / Project Manager
- Developer
- Development Consultant

Essential

- Knowledge of Information Technology

Course based on software release

- SAP S/4HANA 2021
- ABAP Platform 2021
- AS ABAP 7.56

Content

- SAP portfolio overview
- SAP systems
- Navigation using SAP Fiori, SAP GUI, SAP Business Client, a web browser
- Explaining the architecture of an SAP system, Application Server (AS) ABAP and Application Server (AS) Java
- Explaining the processes of an AS ABAP and AS Java based SAP system
- Processing user requests in AS ABAP
- Explaining the data structure of an AS ABAP-based SAP system
- Software development in SAP systems
- Communication and integration technologies (RFC, HTTP, and OData)
- Application Lifecycle Management (ALM)
- Describing the maintenance of an SAP system

Notes

- SAPTEC examines SAP Application Server and imparts the knowledge that is required for subsequent courses related to the technology of SAP Application Server.
- SAPTEC is the entry point for administration for SAP S/4HANA, and SAP Business Suite.
- SAPTEC is the foundation for curricula like SAP System Administration, ABAP Development, SAP Portal, and SAP Process Integration.

ADM100 - System Administration I of SAP S/4HANA and SAP Business Suite

Course announcements

- This course provides you with fundamental knowledge on how to ensure a smooth operation of SAP systems running on Application Server ABAP (AS ABAP).
- AS ABAP is the technological foundation of SAP S/4HANA as well as SAP Business Suite systems. In this five-day training, you will learn how to perform various administrative tasks to keep the SAP system running.
- You will learn the theoretical administration concepts within AS ABAP and work practically in an SAP system and on the operating system level.

Goals

- This course will prepare you to:
- start and stop SAP systems
- perform system configuration tasks
- describe the architecture of database systems
- explain fundamental user administration concepts
- create RFC destinations
- implement SAP notes and SAP Support Packages
- configure printers in SAP systems
- schedule and monitor background jobs

Audience

- System Administrator
- System Architect
- Technology Consultant

Essential

- SAPTEC

- Basic knowledge of operating systems and databases

Course based on software release

- SAP S/4HANA 2021
- ABAP PLATFORM 2021
- AS ABAP 7.56

Content

- Fundamentals of Application Server ABAP
- Starting and Stopping Application Server ABAP
- Concept and tools
- System Configuration
- Profile parameters, operation modes, task lists
- Introduction to Database Administration
- Basic database administration tasks
- Users and Authorizations
- AS ABAP user administration and authorization concept
- RFC Communication
- RFC connections
- Maintaining SAP Software
- SAP Notes and SAP Support Packages
- Printing
- AS ABAP printing concept
- Configuration, monitoring and housekeeping
- Background Processing
- Configuration and monitoring

- System Monitoring and Troubleshooting
- Local monitoring architecture
- Monitoring concept with SAP Solution Manager

HA200 - SAP HANA Installing and administering

Course announcements

- This course covers in detail all key capabilities of SAP HANA database system administration. Through the lectures and exercises you will learn how to install, update, and operate an SAP HANA 2.0 database using SAP HANA cockpit 2.0. The course covers the most important database administration tasks of an SAP HANA system administrator. During the course, you will learn details about starting and stopping, changing the configuration parameters, monitoring the database, backup and recovery and troubleshoot of a multitenant SAP HANA 2.0 database system.

Goals

- This course will prepare you to:
- Install, update, and configure an SAP HANA 2.0 database system.
- Installation, update and configure of SAP HANA cockpit 2.0.
- Perform the SAP HANA system administration tasks using SAP HANA cockpit 2.0 in a multitenant database environment.
- Start and stop, change the configuration, backup and troubleshoot an SAP HANA 2.0 database.
- Backup and recover a multitenant SAP HANA 2.0 database.

Audience

- Database Administrator
- Help Desk/CoE Support
- System Administrator
- Technology Consultant

Essential

- None

Course based on software release

- SAP HANA 2.0 SPS07

Content

- SAP HANA introduction
- Installation sizing and OS preparations
- SAP HANA installation and upgrade of a multitenant database
- SAP HANA architecture and deployment options
- SAP HANA cockpit 2.0 installation and configuration
- SAP HANA Administration tools
- Post installation steps
- Database administration tasks using SAP HANA cockpit 2.0
- Backup and recovery using SAP HANA cockpit 2.0
- SAP HANA Security
- User and authorizations

Notes

- In case you need to "deep dive" on specific subjects, this course can be coherently combined with the other courses in the SAP HANA Curriculum, for example HA201 for high availability and disaster tolerance, HA215 for SAP HANA monitoring and performance tools, and HA250 for database migration.

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