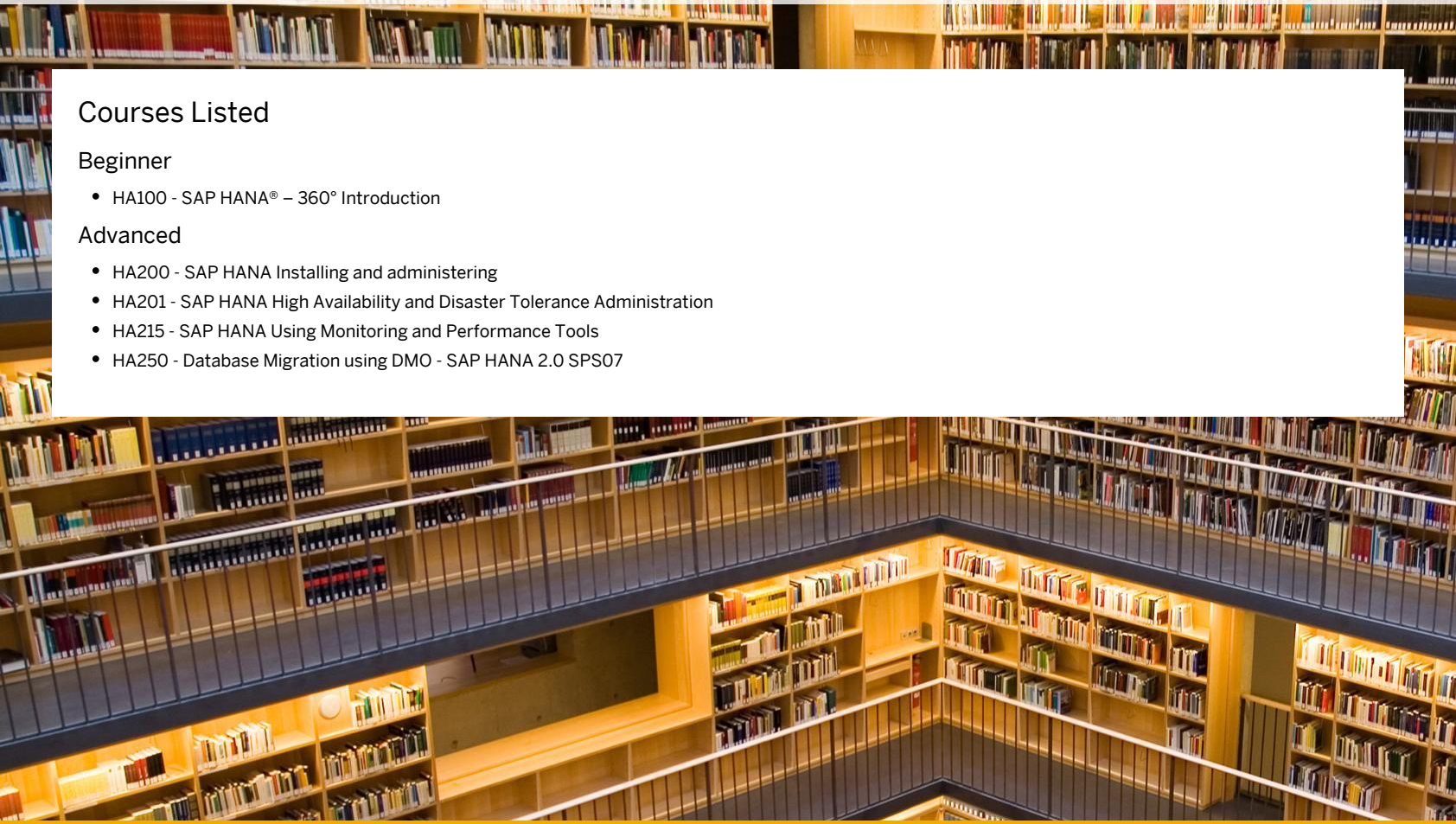
COURSE LISTING

Training for Database & Technology with Administration in SAP HANA



Courses Listed

Beginner

- HA100 - SAP HANA® – 360° Introduction

Advanced

- HA200 - SAP HANA Installing and administering
- HA201 - SAP HANA High Availability and Disaster Tolerance Administration
- HA215 - SAP HANA Using Monitoring and Performance Tools
- HA250 - Database Migration using DMO - SAP HANA 2.0 SPS07

© 2024 SAP SE or SAP affiliate company. All rights reserved.

All available schedules in your selection

HA250 Database Migration using DMO - SAP HANA 2.0 SPS07

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

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.

© 2024 SAP SE or SAP affiliate company. All rights reserved.

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.

© 2024 SAP SE or SAP affiliate company. All rights reserved.

HA250 - Database Migration using DMO - SAP HANA 2.0 SPS07

Course announcements

- In this course, you will learn how to migrate the database of an SAP system to an SAP HANA database using the database migration option of the Software Update Manager.

Goals

- This course will prepare you to:
- The Software Update Manager (SUM) is the tool for system maintenance of SAP systems based on an AS ABAP. Therefore, the objective of this course is to enable students to use the database migration option (DMO) of SUM, to migrate to an SAP HANA database.
- The course covers the most important tasks for an SAP system administrator for the combined SAP system update and migration of the database of an SAP system to the SAP HANA database. Furthermore, it provides details about the preparation of the procedure and technical details of the process.

Audience

- Support Consultant
- System Administrator
- Technology Consultant

Essential

- General SAP system administration knowledge

Course based on software release

- SAP HANA 2.0 SPS07

Content

- Getting familiar with the database migration option (DMO)
- Listing DMO benefits
- Preparing the DMO procedure
- Configuration of the DMO procedure
- Performing the DMO run
- Listing the DMO procedure steps
- Monitoring the database migration
- Tuning the database migration option downtime
- Performing a reset and cleanup of the procedure
- Performing a benchmark run

Notes

- The participants really perform a DMO run themselves on a dedicated training system. Most of the content of this course HA250 is also covered in course ADM328 – SAP S/4HANA Conversion and SAP System Upgrade.

© 2024 SAP SE or SAP affiliate company. All rights reserved.

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.

© 2024 SAP SE or SAP affiliate company. All rights reserved.

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.

© 2024 SAP SE or SAP affiliate company. All rights reserved.

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

© 2024 SAP SE or SAP affiliate company. All rights reserved.

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.

© 2024 SAP SE or SAP affiliate company. All rights reserved.

All rights reserved. No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliated company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP and SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forwardlooking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and other countries. Please see http://www.sap.com/corporate-en/legal/copyright /index.epx#trademarkfor additional trademark information and notices.

 © 2024 SAP SE or SAP affiliate company. All rights reserved.