

## Training for Database & Technology with Administration in SAP S/4HANA

### Courses Listed

#### 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
- ADM103 - System Administration II of SAP S/4HANA and SAP Business Suite
- ADM110 - Installing and Updating SAP S/4HANA and SAP Business Suite Systems
- ADM325 - Software Logistics for SAP S/4HANA and SAP Business Suite
- ADM328 - SAP S/4HANA Conversion and SAP System Upgrade
- ADM329 - SAP S/4HANA Downtime Optimized Conversion
- ADM415 - SAP S/4HANA – Performance Analysis
- ADM940 - Authorization Concept for SAP S/4HANA and SAP Business Suite
- ADM945 - ADM945 – Authorization Concept for SAP Fiori on SAP S/4HANA
- 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

All available schedules in your selection

## ADM325 Software Logistics for 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.

## ADM110 Installing and Updating SAP S/4HANA and SAP Business Suite Systems

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.

## 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.

## ADM328 SAP S/4HANA Conversion and SAP System Upgrade

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.

## ADM103 System Administration II 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.

## 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.

## ADM329 SAP S/4HANA Downtime Optimized Conversion

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.

## 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.

## 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.

## ADM940 Authorization Concept for 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.

## ADM945 ADM945 – Authorization Concept for SAP Fiori on SAP S/4HANA

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.

## ADM415 SAP S/4HANA – Performance Analysis

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.

## ADM325 - Software Logistics for SAP S/4HANA and SAP Business Suite

### Course announcements

- If you are responsible for the software logistics at your organization – for SAP Business Suite systems and for SAP S/4HANA systems – this course is for you.
- During this course you will learn how to set up a transport landscape matching your requirements. You will get acquainted with creating, releasing, exporting and importing transport requests. Beyond concepts, we are placing a great amount of emphasis on the mode of operation and error handling within this course. Additionally, topics like client copy and the import of SAP Support Packages including required modification adjustments (SPDD /SPAU) are handled.

### Goals

- This course will prepare you to:
- Develop a suitable SAP system landscape with a client concept
- Explain the methodology, concepts, and tools in SAP software logistics
- Manage and transport customizing and workbench transport requests
- Manage clients
- Use the SAP Note Assistant, import SAP Support Packages, and explain an SAP system upgrade and an SAP S/4HANA conversion

### Audience

- System Administrator
- Technology Consultant

### Essential

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

### Course based on software release

- SAP S/4HANA 2021
- ABAP Platform 2021

- AS ABAP 7.56

### Content

- SAP system landscape and client concept
- setting up the Transport Management System (TMS)
- creating, exporting, and importing transport requests
- customizing and customizing projects
- transport requests for development
- modifying SAP objects
- imports using TMS
- QA approval procedure and transport proposals
- monitoring tools
- SAP Note Assistant, SAP Support Packages
- client copy and client transport tools
- client compare and client maintenance tools

### Notes

- This course is suited for AS ABAP-based SAP S/4HANA and SAP Business Suite systems, such as SAP S/4HANA Server, and SAP ECC.
- We recommend that you attend this course as soon as possible after the initial installation of your SAP systems. - The course material is available in English language, only

## ADM110 - Installing and Updating SAP S/4HANA and SAP Business Suite Systems

### Course announcements

- In this course, you learn how to install and update SAP systems, using the required tools on different operating systems and different databases.

### Goals

- This course will prepare you to:
- Install various SAP systems on different operating systems and databases

### Audience

- System Administrator
- System Architect
- Technology Consultant

### Essential

- SAPTEC
- ADM100

### Course based on software release

- SAP S/4HANA Server 2021
- SAP Solution Manager 7.2 with AS ABAP 7.40 and AS Java 7.50

### Content

- Describing the processes of AS ABAP- and AS Java-based SAP systems
- SAP S/4HANA installation
- SAP Solution Manager ABAP installation
- SAP Solution Manager Java installation
- Post-installation activities
- Updating SAP S/4HANA Server using SUM (Standard)
- Updating SAP Solution Manager ABAP using SUM (Single System)
- Updating SAP Solution Manager Java using SUM

- Installation of additional instances
- Installation planning
- Installation preparation
- Managing an Enqueue Replication Server (ERS)
- Optional: Up to Date Installation (UDI)

### Notes

- In this course you will learn how to install different SAP systems, including technical pre- and post-installation steps of the installation. As examples for the different types of SAP systems you will install an SAP S/4HANA Server system including the SAP HANA database, and an SAP Solution Manager system. These SAP systems will be installed on different operating systems (Linux and Windows) using different databases (SAP HANA DB and SAP MaxDB).
- After successfully attending ADM110, participants should also be capable of installing SAP ECC systems on different operating systems and databases.

## 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.



## ADM328 - SAP S/4HANA Conversion and SAP System Upgrade

### Course announcements

- In this course you will learn how to perform an SAP S/4HANA Conversion from the SAP system administrator point of view. You will perform a technically SAP S/4HANA Conversion from an SAP ECC system to an up-to-date SAP S/4HANA Server system.

### Goals

- This course will prepare you to:
- perform an SAP S/4HANA conversion, as an administrator
- perform an SAP system upgrade, as an administrator

### Audience

- System Administrator
- Technology Consultant

### Essential

- ADM325

### Course based on software release

- SAP S/4HANA 2022
- ABAP Platform 2022
- AS ABAP 7.57

### Content

- usage of the Maintenance Planner
- preparation activities and follow-up activities for an SAP S/4HANA conversion
- usage of the Software Update Manager (SUM)
- technical steps during an SAP S/4HANA conversion and an SAP system upgrade
- modification adjustment with SPDD and SPAU
- downtime optimization
- troubleshooting

- conversion of an SAP system landscape

### Notes

- The goal of this course is the preparing and performing of an SAP S/4HANA conversion of an SAP ECC system from a system administrator point of view. The course is also suitable for upgrades of SAP S/4HANA Server systems.
- The participants really perform an SAP S/4HANA conversion themselves on a dedicated training system.
- The procedure performed in this course contains typical error situations and modification adjustments (SPDD and SPAU).
- This course ADM328 covers most of the content of course HA250 – Database Migration using DMO.

## ADM103 - System Administration II of SAP S/4HANA and SAP Business Suite

### Course announcements

- HTTP based communication plays a major role in Enhancement Package 8 for SAP ERP or in SAP S/4HANA (in particular, when you want to use SAP Fiori).
- During the ADM103 training you will gain the administrative knowledge for the configuration of HTTP based communication. ADM103 therefore also serves as a preparation for the UX200 class. In addition, this class covers other topics such as SMTP communication and Central User Administration from an administrative point of view.

### Goals

- This course will prepare you to:
- Perform additional administrative tasks that are not dealt with in the course ADM100 (System Administration I of SAP S/4HANA and SAP Business Suite)
- Support internet applications, external emails, and Test Scripts in ABAP based SAP systems
- Set up and operate a Central User Administration
- Perform additional administrative tasks such as installing an Enqueue Replication Server and providing multiple languages in ABAP based SAP systems

### Audience

- System Administrator
- Technology Consultant

### Essential

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

### Course based on software release

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

### Content

- Technology Components for HTTP-based Communication
- Internet Communication Manager (ICM)
- Internet Communication Framework (ICF)
- Web Services and SAP Gateway in AS ABAP
- SAP Web Dispatcher
- SMTP Communication and SAPconnect
- Enqueue Replication Server (ERS)
- Central User Administration (CUA)
- Extended Computer Aided Test Tool (eCATT)
- Aspects of Globalization
- Multiple languages in one SAP system

### Notes

- Following on from ADM100 (System Administration I of SAP S/4HANA and SAP Business Suite), this course provides additional training on AS ABAP for SAP system administrators.
- About half of this course covers technology components for HTTP-based communication.
- The course material is available in English only.

## 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.

## ADM329 - SAP S/4HANA Downtime Optimized Conversion

### Course announcements

- In this course you will learn how to prepare and perform a downtime-optimized conversion (SAP ECC system to SAP S/4HANA system), from a system administrator point of view.

### Goals

- This course will prepare you to:
- Find the SAP Note on restrictions and issues
- Explain the prerequisites and the required preparation steps
- List the relevant phases and their activities
- Start a downtime-optimized Conversion run
- Monitor the replication process
- Explain the two process types for replication (R3load, ABAP batch)
- Check database triggers
- Explain the role of SHD and TMP instances
- Explain the process to apply SAP Notes on the shadow system
- Reconfigure the temporary system to add resources
- Create a customer buffer with FI customizing
- Select appropriate tables for uptime migration ("downtime-optimized DMO")

### Audience

- System Administrator
- Technology Consultant

### Essential

- ADM328

### Course based on software release

- SAP S/4HANA 2022

- SUM 2.0 SP 16

### Content

- Get the overview on the approach
- Understand the concept of downtime-optimized Conversion
- Find the SAP Note on prerequisites, restrictions, and issues
- Prepare and start a downtime-optimized Conversion run
- Enable the approach
- Create a customer buffer with FI customizing
- Prepare Impact Analysis
- Determine the tables for uptime processing
- Choose the approach in the UI
- Executing approach specific activities
- Examine the main blocks and phase names
- Check database triggers
- Understand restrictions / Freeze Triggers
- Explain the role of SHD and TMP instances
- Explain the process to apply SAP Notes on the shadow system
- Reconfigure the temporary system to add resources
- Adapt customizing on TMP
- Monitor the replication process
- Understand the two process types for replication
- Understand project specific requirements
- Consider Load verification

- Plan Project cycles
- Understand technical architecture

## Notes

- System setup is not typical, so timings and potential issues shall not be taken as typical
- The goal of this course is the preparing and performing of a downtime optimized conversion of an SAP S/4HANA conversion of an SAP ECC system from a system administrator point of view. In addition, relevant aspects for project and test cycle planning are discussed.
- The training class uses SAP S/4HANA 2022 as target product version, but the content of the class is applicable for conversions to SAP S/4HANA 2020 and above.
- The following are not covered in this course:
- A complete downtime-optimized Conversion run.

## 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.

## 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.



## 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.

## ADM940 - Authorization Concept for SAP S/4HANA and SAP Business Suite

### Course announcements

- This course is ideal for professionals requiring fundamental knowledge of the authorization concept for SAP S/4HANA and SAP Business Suite. The role maintenance, as well as details about the elements, strategies, and tools of the authorization concept will be covered.

### Goals

- This course will prepare you to:
- Learn about the elements, strategies, and tools of the SAP authorization concept for SAP S/4HANA and SAP Business Suite.
- Understand the terminology of authorizations for SAP S/4HANA and SAP Business Suite.
- Create and assign authorizations using the Role Maintenance
- Learn about the basic settings of the Role Maintenance

### Audience

- Application Consultant
- Business Process Architect
- Business Process Owner / Team Lead / Power User
- System Administrator
- Technology Consultant

### Essential

- SAPTEC (Technology Fundamentals for SAP S/4HANA and SAP Business Suite)
- or SAP01 (SAP Overview)
- or relevant experience in using an SAP system

### Course based on software release

- SAP S/4HANA 1909
- ABAP Platform 1909

- AS ABAP 7.54

### Content

- Authorizations in General
- What Are Authorizations
- Creating and Implementing an Authorization Concept
- Basic Terminology of Authorizations
- Elements and Terminology of the Authorization Concept (AS ABAP)
- Authorization Checks in the SAP System
- User Settings
- Maintaining and Evaluating User Data
- Working with the Role Maintenance
- Role Maintenance and Standard Roles
- Special ABAP Roles
- Subtleties of Authorization Maintenance
- Basic Settings
- Role Maintenance: Installation and Upgrade
- Access Control and User Administration
- Using Traces
- Troubleshooting and Administration Aids
- Using Trace Evaluation to maintain Menus and Authorizations
- Transporting Authorizations
- Transporting Authorization Components

- Integration into the Company Landscape
- Central User Administration (CUA)
- SAP NetWeaver Identity Management
- Integration into Organizational Management

## Notes

- A fundamental knowledge of the SAP environment is essential for this course.
- To learn more about authorizations in SAP S/4HANA, participants should also attend the course ADM945 - Authorization Concept for SAP Fiori on SAP S/4HANA

## 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

## ADM945 - ADM945 – Authorization Concept for SAP Fiori on SAP S/4HANA

### Course announcements

- This course is ideal for professionals requiring knowledge of SAP Fiori authorizations and role administration in SAP S/4HANA. Details about the elements, strategies, and tools of the SAP Fiori authorization concept will be covered.

### Goals

- This course will prepare you to:
- This course will prepare you to:
- Apply elements, strategies, and tools of the SAP Fiori authorization concept
- Create and assign authorizations using the role administration

### Audience

- Program Manager
- Project Manager
- System Architect
- System Administrator
- Technology Consultant
- Security Consultant

### Essential

- ADM940 Authorization Concept for SAP S/4HANA and SAP Business Suite

### Course based on software release

- SAP S/4HANA 2020
- SAP AS ABAP 7.55

### Content

- SAP Fiori concept with respect to authorization management
- SAP Fiori catalogs
- SAP Fiori groups

- SAP Fiori spaces and pages
- PFCG Roles for SAP Fiori (business roles)
- SAP Fiori-PFCG integration
- Authorization concept for ABAP Core Data Services (CDS)
- Analyze and implement SAP Fiori applications
- Authorizations in S/4HANA projects
- Options for transporting authorizations
- SAP Fiori launchpad integration scenarios

### Notes

- The course material is available in English only.

## ADM415 - SAP S/4HANA – Performance Analysis

### Course announcements

- This training replaces the training ADM315. You will learn about how to analyze and solve typical performance problems in the AS ABAP of SAP S/4HANA. The focus will be using tools offered within AS ABAP/ABAP Platform. The skills gained in this training are applicable on all SAP systems that use AS ABAP / ABAP Platform and are to predominantly NOT SAP S/4HANA-specific.

### Goals

- This course will prepare you to:
- Explain the internal processing of user requests within AS ABAP- based SAP systems
- Find critical performance bottlenecks in AS ABAP / ABAP Platform
- Solve selected performance problems that might occur in SAP S/4HANA and other SAP systems using AS ABAP

### Audience

- Program/Project Manager
- System Administrator
- Technology Consultant

### Essential

- SAPTEC
- ADM100
- Basic knowledge of Linux and SAP HANA

### Course based on software release

- SAP S/4HANA 2022
- SAP Solution Manager 7.2
- SAP HANA 2.0 SPS 06
- SAP HANA Cockpit

### Content

- Introduction to Workload Analysis
- Understanding the Components of a Dialog Step
- Analyzing Statistical Records and Data Information Flow
- Analysis Monitors for monitoring System Performance
- SAP Memory Management
- Identifying the Memory Areas and Usage in SAP Systems
- Implementing SAP Extended Memory
- Hardware Capacity Verification & Identifying Hardware Bottlenecks
- Analyzing Table Buffering in SAP Systems
- Monitoring RFC Load
- Short introduction to SAP HANA Cockpit
- Short introduction to Root Cause Analysis offered by SAP Solution Manager

### Notes

- In this training you will gain competencies that can be applied to all AS ABAP-based SAP systems in general. Most of those competencies can be applied on SAP systems using earlier versions of AS ABAP as well.

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