Courses Listed

Beginner
- ADM900 - SAP System Security Fundamentals

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

Advanced
- ADM100 - System Administration I for SAP S/4HANA and SAP Business Suite
- ADM800 - AS Java - Administration
- ADM920 - SAP Identity Management
- ADM940 - Authorization Concept for SAP S/4HANA and SAP Business Suite
- ADM945 - SAP S/4HANA – Authorization Concept
- ADM950 - Secure SAP System Management
- ADM960 - SAP NetWeaver Application Server Security
### ADM960  SAP NetWeaver Application Server Security

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### ADM920  SAP Identity Management

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### ADM800  AS Java - Administration

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ADM900  SAP System Security Fundamentals

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ADM900  SAP System Security Fundamentals (continued)

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.

ADM950  Secure SAP System Management

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

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## ADM945  SAP S/4HANA – Authorization Concept

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SAPTEC  Technology Fundamentals for SAP S/4HANA and SAP Business Suite (continued)

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 for SAP S/4HANA and SAP Business Suite

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ADM960 - SAP NetWeaver Application Server Security

Content
- Infrastructure Security Overview
- Basic Infrastructure Security for SAP Systems
- Secure Network Communication (SNC)
- Secure Sockets Layer (SSL)
- Authentication and Single Sign-On (SSO) Mechanisms in SAP Systems

Course announcements
- This course is meant for professionals that are tasked with the implementation of authentication and encryption mechanisms for SAP Netweaver Application Servers. The approach focuses on hands-on activities and a business case is provided for a "more real life experience" during the course.

Goals
- Understand and Analyze Security Threats
- Explain the Basic Security for SAP Systems
- Apply Cryptography in SAP Systems
- Configure Secure Network Communications (SNC)
- Configure Secure Socket Layer (SSL)
- Configure Authentication and Single Sign-On (SSO) Mechanisms in SAP Systems

Audience
- System Administrator
- Technology Consultant
- Infrastructure Security Administrators

Essential
- ADM100
- ADM800
- Windows or Linux administration skills with some basic knowledge of Networking and Encryption concepts

Course based on software release
- SAP NetWeaver 7.51
ADM920 - SAP Identity Management

Content
- SAP Identity Management (IdM)
- Describing SAP Identity Management
- Explaining SAP IdM Architecture
- Describing the SAP IdM Data Model
- Forms
- Creating Forms
- Customizing Search Results
- Implementing a Custom User Interface
- Jobs
- Creating Jobs
- Creating a Repository
- Creating Repository Jobs
- Implementing Scripts for Advanced Data Conversion
- Provisioning and Workflow
- Creating Processes
- Auditing the Task Execution Process
- Describing the SAP Provisioning Framework
- Assigning Privileges
- Roles
- Creating Business Roles
- Defining Automatic Role Assignments

Course announcements
- Gain knowledge about SAP Identity Management 8.0 SP3. Understand how SAP Identity manages users in heterogeneous IT landscape. Learn how to integrate identity management with business processes within and beyond your enterprise, using identity federation to facilitate joint authentication and single sign-on for a secure identity management solution across company boundaries.

Goals
- The goal of this course is to enable participants to implement identity management concepts so that the full identity lifecycle can be performed with SAP Identity Management
- And also to be able to use, customize, operate and troubleshoot SAP Identity Management

Audience
- Technology Consultant
- System Administrator
- Solution Architect

Essential
- SAP NetWeaver Java fundamental knowledge
- SQL fundamentals knowledge
- JavaScript fundamentals knowledge

Course based on software release
- SAP Identity Management 8.0 SP3
• Approval Workflow
• Configuring Approval Workflows
• Sending Notifications
• Storing Information with Pending Value Objects (PVO) and Context Variables
• Implementing Automatic Approve/Decline of Role Requests
• Context-Based Assignments
• Defining Context
• Creating Guided Activity Tasks
• Provisioning Context Toward Backend Systems
• Assigning Automatic and Conditional Context
• SAP IdM and Other SAP Systems
• Provisioning a User to AS ABAP
• Setting Up SuccessFactors (SF)
• Configuring the Virtual Directory Server (VDS) to Publish Information
• Verifying Authorization Compliance
• Setting Up SAP Human Capital Management (HCM)
• Advanced Tasks
• Running Housekeeping Procedures
• Accessing the Identity Center Database
• Debugging Entries
• Optimizing the Performance of SAP IdM
• Explaining the Reporting Tools
• Resetting Passwords
• SAP IdM Installation and Configuration
• Installing SAP IdM
• Configuring SAP IdM Security
• Updating the Service Package
• Upgrading SAP IdM 7.2
• Setting up High-Availability for SAP IdM
• Transporting Content
ADM800 - AS Java - Administration

Goals

- Explain the architecture of SAP NetWeaver AS Java
- Start and stop SAP NetWeaver AS Java
- Carry out basic configurations for SAP NetWeaver AS Java
- Set up SSL encryption for SAP NetWeaver AS Java
- Explain the architecture of the User Management Engine
- Configure the User Management Engine
- Carry out user and authorization maintenance
- Understand and change the standard logon procedure of SAP NetWeaver AS Java
- Maintain destinations and the JCo RFC Provider
- Understand the architecture and the tasks of the SAP NetWeaver Development Infrastructure
- Explain the process flow of the development process using the SAP NetWeaver Development Infrastructure
- Specify the options for monitoring SAP NetWeaver AS Java
- Display Monitoring and logging data using the SAP NetWeaver Administrator
- Implement corrections for SAP NetWeaver AS Java

Audience

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

Essential

- SAPTEC
Course based on software release

- SAP NetWeaver AS Java 7.50

Content

- Fundamental Concepts of Java
- Describing the Fundamental Concepts of Java
- Describing the Architecture of the SAP NetWeaver Application Server (SAP NetWeaver AS)
- Outlining the Java Cluster Architecture
- Describing the Internal Structure of SAP NetWeaver AS for Java
- Evaluating Load Balancing Options in SAP NetWeaver AS for Java
- SAP NetWeaver AS for Java Start and Stop Procedures
- Starting and Stopping Procedures in SAP NetWeaver AS for Java
- Evaluating the Tools for Starting and Stopping an SAP System
- Operating the Java Startup and Control Framework
- Analyzing the Logs of Start and Stop Processes in SAP NetWeaver AS for Java
- Basic Configuration of SAP NetWeaver AS for Java
- Identifying the Administration Tools Used in Configuration
- Maintaining the Basic Configuration of SAP NetWeaver AS for Java with the Config Tool
- Maintaining the Basic Configuration of SAP NetWeaver AS for Java with the SAP NetWeaver Administrator
- Configuring the Properties of the Central Services Instance
- Administering the Internet Communication Manager (ICM) Process
- Infrastructure Security
- Describing Network Security
- Setting Up the Secure Sockets Layer (SSL)
- User and Authorization Administration
- Configuring the SAP User Management Engine (UME)
- Maintaining Users and Groups
- Managing Java Authorization
- Administrating Special Principles
- Configuring the Logon Procedure in SAP NetWeaver AS for Java
- Java Connectors and Destinations
- Creating Connections to Other Systems
- Creating Connections to Other Systems with J2EE Connector Architecture (JCA)
- Change Management and Software Logistics
- Structuring the Java Development Approach
- Describing the Components of SAP NetWeaver Development Infrastructure
- Developing and Releasing Java Changes with SAP NetWeaver Development Infrastructure
- Transporting Java Developments
- Monitoring
- Monitoring SAP NetWeaver AS for Java
- Connecting to a Central Monitoring System (CEN)
- Configuring the Log and Trace Files
- Outlining the Monitoring with SAP Solution Manager
Software Maintenance
Preparing for Software Maintenance
Describing Java Support Packages, Stacks, and Patches
Deploying Corrections with Software Update Manager (SUM) in SAP NetWeaver AS for Java
Deploying Java Archives with Alternative Tools
Outlining the Backup Strategy in SAP NetWeaver AS for Java

Notes
The course material is available in English only
This course deals with the basic activities that affect SAP NetWeaver AS Java 7.50. However, no application-specific or product-specific activities are covered.
ADM900 - SAP System Security Fundamentals

**Duration**
2 days

**Course announcements**
- This course provides a general overview of SAP security fundamentals.

**Goals**
- Understand SAP Security fundamentals
- Get an overview of the main SAP concepts for security
- Be prepared to learn more in detail about each SAP concept for security

**Audience**
- System Administrator
- System Architect
- Technology Consultant

**Essential**
- None

**Course based on software release**
- SAP ECC 6.07 / SAP NetWeaver AS 7.5

**Content**
- Security Fundamentals
- Reviewing Security Fundamentals
- Basic User Administration AS ABAP and AS Java
- Implementing Basic User Administration for AS ABAP
- Implementing ABAP Roles
- Implementing Basic User Administration AS Java
- Explaining Java Authorization
- Compliance and Provisioning Applications from SAP
- Explaining SAP GRC
- Describe SAP GRC Access Control
- Describing SAP GRC Apps for Mobile Devices
- Using Identity Management (IdM)
- Implementing Central User Administration (CUA)
- Explaining Directory Services
- Infrastructure Security
- Explaining Network Topology
- Enabling Secure Network Communication (SNC)
- Enabling Secure Sockets Layer (SSL)
- Implementing Single Sign-On (SSO) in SAP Systems
- Security Monitoring with SAP Solution Manager
- Monitoring Security with SAP Solution Manager
ADM950 - Secure SAP System Management

Duration
2 days

Course announcements
• Participants of this course will gain knowledge on how to secure an SAP system. Data protection, Security monitoring, SAP GRC Access Control, SAP role maintenance, and change management mechanisms are covered in this course.
• The class on 6/29/17 is a SAP Learner’s Choice Hybrid Event. You can register for the Virtual event, or the classroom event at MicroTek Atlanta.

Goals
• Identify and protect sensitive data and mechanisms in live solutions based on SAP NetWeaver Application Server
• Use the SAP Audit Information System to structure and conduct thorough security checks and configure important security monitoring mechanisms
• Explain the features of SAP GRC Access Control
• Configure standard SAP role maintenance tools to produce secure company-specific roles and authorization profiles
• Implement and use the SAP Security Optimization Service (SOS)
• Secure change management mechanisms in production system landscapes and protect system administration tools from misuse

Audience
• System Administrator
• Technology Consultant

Essential
• ADM100
• ADM900

Course based on software release
• SAP ECC 6.07 / SAP NetWeaver AS 7.5

Content
• Introduction to Internal Security Auditing
• Describing Security Auditing
• Audit Information System (AIS) and the Audit Information System Cockpit
• Configuring and Using the AIS
• Performing a System Audit Using the Audit Cockpit
• User and Authorization Audit
• Customizing the Role Maintenance Tool
• Securing User and Group Administration
• Describing Segregation of Duties and Critical Authorization
• Securing the System with Login-Related Parameters
• System Audit
• Configuring and Using the Security Audit Log
• Securing System Administration Services
• Repository and Table Audit
• Monitoring AS ABAP Using Logs
• Security in Change Management
• Securing Change Management
• Security Assessment
• Optimizing Security Using SAP Security Optimization Self-Service
• Consulting SAP Security Notes
• Implementing and Checking Technical Security Recommendations
Notes

- This course assumes that you are familiar with many SAP system administration and system architecture functions.
ADM940 - Authorization Concept for SAP S/4HANA and SAP Business Suite

Duration
3 days

Course announcements
- In this course you gain knowledge about SAP authorization concept.
- Our Learner’s Choice events are a hybrid of Classroom and Virtual with a live instructor. You can register for the Virtual Event, or the Classroom Event.

Goals
- This course will prepare you to:
- Learn about the elements, strategies, and tools of the SAP authorization concept
- Create and assign authorizations using the Role Maintenance
- Learn about the principle usage of the Central User Administration (CUA)

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

Essential
- SAPTEC (SAP NetWeaver Application Server - Fundamentals)
- or SAP01 (SAP Overview)
- or relevant experience in using an SAP system

Course based on software release
- SAP NetWeaver 7.50
- SAP ERP 6.0 with EHP8

Content
- Authorizations in General
- What Are Authorizations
- Creating and Implementing an Authorization Concept
- Basic Terminology of Authorizations
- Elements and Terminology of the Authorization Concept (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)
Integration into Organizational Management
SAP NetWeaver Identity Management

Notes
- The concepts explained here are demonstrated using SAP ECC. For the most part, however, they can be applied to other components.
- A fundamental knowledge of the SAP environment is essential for this course.
ADM945 - SAP S/4HANA – Authorization Concept

Duration
2 days

Goals
- The course will prepare you to:
- Learn about the 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

Essential
- ADM940 AS ABAP Authorization Concept

Course based on software release
- SAP S/4HANA 1610
- AS ABAP 7.51

Content
- SAP Fiori concept with respect to authorizations
- SAP Fiori architecture (Front-End Server, Back-End Server)
- Role-based user experience
- SAP Fiori Launchpad
- PFCG roles for SAP Fiori apps
- Front-End Server roles to start the app
- Back-End Server roles for data access
- SAP Fiori-PFCG integration

- Authorizations in SAP Fiori projects
- Authorizations for CDS views
- Integration in SU22/SU24 and SU25
- Error Analysis
- SAP S/4 HANA Cloud concept overview

Notes
- Materials will be delivered in English
Program / Project Manager

Essential
• Knowledge of Information Technology

Course based on software release
• SAP S/4HANA 1610
• SAP Business Suite 7i2016
• SAP EHP 8 for SAP ERP 6.0
• SAP NetWeaver 7.5x

Content
• SAP Systems
• Explaining the Architecture of an SAP System, Application Server (AS) ABAP and Application Server (AS) Java
• Navigation
• Navigation using SAP Graphical User Interface (SAP GUI)
• Navigation using a Browser
• Navigation using the Business Client
• Navigation using SAP Fiori
• System Core
• Explaining AS ABAP and AS Java System Architecture
• Identifying the Processes of an AS ABAP System
• Processing User Requests in AS ABAP
• Explaining Additional Processes of an AS ABAP System
• Identifying the Processes of an AS Java System

Course announcements
• Would you like to understand how SAP Systems function?
• During this course you will not only get acquainted with the technology fundamentals of most SAP applications (incl. SAP Business Suite and SAP S/4HANA), and how SAP systems function but also learn about different user interfaces, such as SAP Fiori or SAP GUI. The training contains hands on exercises, you will work with – among others - a SAP S/4HANA system and other SAP applications. With the newly acquired knowledge in technology you have now a stable base to further develop into a versatile range of business roles from SAP System Administrator through Developer to User Interface Expert to Project - or Program Manager.

Goals
• This course will prepare you to:
• Presentation in detail of the architecture of SAP NetWeaver Application Server (SAP NetWeaver AS). The SAP NetWeaver AS is the central component of SAP S/4HANA, the SAP Business Suite and the SAP NetWeaver application platform.
• Learn effective techniques for navigating.
• Receive an overview of the development process in an SAP system landscape

Audience
• Technology Consultant
• System Administrator
• System Architect
• Database Administrator
• Help Desk / COE Support
• Software Development in SAP Systems
• Outlining the Data Structure of an AS ABAP System
• Explaining ABAP Workbench Tools
• Developing and Transporting Applications
• Communication and Integration Technologies
• Describing Communication with Remote Function Call-Based (RFC) Technology
• Describing Communication with OData via SAP Gateway
• Application Lifecycle Management (ALM)
• Explaining Application Lifecycle Management (ALM)
• Describing the Installation of an SAP System
• Describing the Maintenance of an SAP System
• SAP Portfolio Overview
• Additional Information Sources

Notes
• SAPTEC examines SAP NetWeaver Application Server and imparts the knowledge that is required for subsequent courses related to the technology of SAP NetWeaver.
• SAPTEC is the entry point for Administration for SAP S/4HANA, SAP Business Suite and SAP NetWeaver.
• SAPTEC is the foundation for curricula like System Administration, ABAP Development, Portal, and Process Integration.
Course based on software release

- AS ABAP 7.51
- SAP S/4HANA 1610

Content

- Fundamentals
- Basic Architecture of SAP NetWeaver AS
- Process of a System Logon (AS ABAP)
- Configuring SAP Logon
- Logon Groups in AS ABAP
- Appendix - Analysis Transactions
- Starting and Stopping
- System Start Process
- Tools for Starting and Stopping SAP Systems
- System Start: AS ABAP Logs
- Introduction to System Configuration
- How the System Evaluates Its Parameters
- How Profile Parameters Are Set
- Setting Up Operation Modes
- Working with Tasklists
- Working with the Database
- Architecture of Database Systems
- Central Database Administration with the DBA Cockpit
- Outlook: Monitoring the Database
- Appendix: Fundamentals of SAP Data Archiving

Course announcements

Are you responsible for the smooth operations of the SAP systems? The course delivers fundamental knowledge you need to keep the system running. You will get acquainted with a broad spectrum of administrative activities for AS ABAP based SAP Systems. After completing this course you will be prepared to carry out administrative tasks for SAP Business Suite as well as for SAP S/4HANA, as the technological platform, AS ABAP is common for both. During these five days you will learn to start and stop SAP systems and how to configure them, how to manage users and create backups or prepare for a system-maintenance and more. Throughout the training you will work with administrative rights on the operation system as well as in the SAP system.

Goals

- Explain the Architecture of SAP NetWeaver Application Server
- Describe the Procedure of a System Logon (AS ABAP)
- Learn about the SAP system Configuration
- Describe the Architecture of Database Systems
- Explain the User Administration Fundamentals
- Explain the Monitoring Architecture and the troubleshooting

Audience

- System Administrator
- System Architect
- Technology Consultant

Essential

- SAPTEC SAP NetWeaver Application Server - Fundamentals
- Basic knowledge of operating systems and database
• User Administration
• User Administration Concept
• Authorization Concept
• Login Parameters and User Info
• Appendix: Advanced User Administration Topics
• RFC Connections
• Fundamentals and Variants for Using RFC
• Setting Up RFC Connections
• Software Maintenance
• SAP Notes and SAP Support Packages
• Preparation for Software Maintenance
• Support Package Manager (SPAM) and Software Update Manager (SUM)
• Importing SAP Support Packages
• SAP Enhancement Packages
• Output Management
• Configuring Printers in AS ABAP
• The Concept of Logical Spool Servers
• Managing Spool Requests
• Printing Assistant for Landscapes
• Background Processing
• Fundamentals of Background Processing
• Time-Based Job Scheduling
• Event-Based Job Scheduling
• Background Processing: Other Topics
• Appendix: Job Management
• System Monitoring and Troubleshooting
• Monitoring Architecture
• SAP Solution Manager Monitoring - Introduction
• Traces and Logs
• Troubleshooting Procedures