

SAP ONLINE LEARNING

SAP NetWeaver : administration et développement

NW100 SAP Web Application Server Overview

Course Goals

This course will prepare you to:

- Explain the SAP Web Application Server architecture. The SAP Web AS is the central component of the SAP NetWeaver's application platform.
- Define the client/server concepts and the SAP system configuration types.
- Know the main characteristics of the ABAP and Java runtime environments.
- List the system processes (work processes) and services of each instance.
- Describe the instance in the ABAP and Java environments.
- Describe the processing of user requests.
- Describe each component of the work process.
- Present the background processing, schedule and monitor jobs.
- Describe the query flow using the database interface (Open SQL).
- Define the SAP transaction concept and know the differences between a SAP transaction and Database transaction.
- Define the locks in the SAP system. Define the asynchronous update concept.

Target Audience

System Administrators
ABAP Programmers
Business Integration Specialists
Security Administrators

Prerequisites

Essential:

SAP125 SAP Navigation 2005

Recommended:

NW001 Technology Solutions Powered by SAP NetWeaver

Course Content

- § Principal Architecture of the SAP Web Application Server: Client and Server
- § Principal Architecture of the SAP Web Application Server: The Instance
- § Processing ABAP Applications
- § Communication with the Database
- § The SAP Transaction
- § Lock Management in SAP Systems
- § Update Processing

Notes

Course length: 4 hours

NW200 SAP Web Application Server User Configuration

Course Goals

This course will prepare you to:

- Configure SAP Logon, describe the logon process and the use of logon groups.
- Learn how to use the profile parameters and operation modes to configure the SAP system.
- Find the profile files in the Windows operating system.
- Describe the RZ10 transaction for maintaining the system profiles.
- Configure and use the online documentation in the SAP system.

Target Audience

System Administrators
Security Administrators

Prerequisites

Essential:

SAP125 SAP Navigation 2005
NW100 SAP Web Application Server Overview

Recommended:

NW001 Technology Solutions Powered by SAP NetWeaver

Course Content

- § Configuring SAP Logon
- § How the System Evaluates its Parameters
- § How to Set up System Parameters
- § Configuring the Online Documentation

Notes

Course length: 2 hours

NW300 SAP Web Application Server Basic System Maintenance

Course Goals

This course will prepare you to:

- List the main analysis transactions in the SAP system.
- Start and stop the SAP system and analyze logs and traces. Describe the initialization process steps done with Microsoft Management Console in the Windows operating system.
- Analyze the log and trace files that were generated during the system initialization.
- Use of several tools to stop a SAP instance.
- List the procedures for the System SAP start and stop in the UNIX, OS/400 and OS/390 operating systems.

Target Audience

System Administrators

Prerequisites

Essential:

SAP125 SAP Navigation 2005

NW100 SAP Web Application Server Overview

Recommended:

NW001 Technology Solutions Powered by SAP NetWeaver

Course Content

- § System Start: Process
- § System Start: Logs
- § Analysis Transactions
- § System Shutdown: How and Why?
- § Starting and Stopping other Operating Systems

Notes

Course length: 2 hours

NW310 SAP Web Application Server System Maintenance II

Course Goals

This course will prepare you to:

- Adjust the work processes' types and distribution using the operation modes. Describe the SAP Library.
- Learn the remote connection's functions and configuration.
- Describe the RFC interface, configure and test RFC connections using the SM59 transaction.
- Introduce the software logistics concepts and manage transport.
- Describe the structure of a Workbench and Customizing change requests.
- Describe the transports in the Three-System Landscape.
- Manually import change requests using the STMS transaction.
- Verify the transports using the Transport Organizer.

Target Audience

System Administrators

Prerequisites

Essential:

SAP125 SAP Navigation 2005

NW100 SAP Web Application Server Overview

NW300 SAP Web Application Server Basic System Maintenance

Recommended:

NW001 Technology Solutions Powered by SAP NetWeaver

Course Content

- § Setting up Operation Modes
- § RFC Fundamentals and Types
- § Setting up RFC Connections
- § Performing and Checking Transports

Notes

Course length: 2 hours

NW400 SAP Web Application Server Development Overview

Course Goals

This course will prepare you to:

- Explain the main differences between ABAP and Java development strategies.
- Define the data structure in the ABAP environment. Define Three- System Landscape.
- Define transport: export and import.
- Define the ABAP Language. Define the ABAP Workbench and list its main tools.
- Describe the ABAP reports creation process using the ABAP Editor; describe the Internet Communication Manager (ICM) in the Business Server Pages (BSP).
- Describe the ABAP Dictionary and the object types.
- Identify the Java programming language characteristics.
- Describe some functions of the SAP NetWeaver Developer Studio.
- Describe the targets of the SAP NetWeaver Java Development Infrastructure (JDI).
- Introduce the methods to connect a SAP system to other systems and optimize the processes in a SAP system.
- Define Cross-System Business Processes.
- Explain ALE fundamentals.
- Define the interface technologies that are used by the SAP system. Explain the meaning and use of business objects and its BAPIs. Implement a RFC connection and execute a remote call.
- Define Web Service.

Target Audience

ABAP Programmers

Prerequisites

Essential:

SAP125 SAP Navigation 2005

NW100 SAP Web Application Server Overview

Recommended:

NW001 Technology Solutions Powered by SAP NetWeaver

Course Content

- § Data Structure and Transports between SAP Systems
- § The ABAP Language
- § The ABAP Dictionary
- § Introduction to the SAP NetWeaver Java Development Infrastructure
- § Cross-System Business processes
- § Remote Function Calls and BAPIs
- § Web Services

Notes

Course length: 4 hours

NW500 SAP Web Application Server Database Interaction

Course Goals

This course will prepare you to:

- Find the log files of the following databases: SAP DB/Max DB, MS SQL Server, Oracle, DB2 (Universal Database), Informix and DB2 (OS/390).
- Access basic data about relational database's architecture and functions; introduce the tool used to database administration activities.
- Learn how a Database Management System (DBMS) works. Define backup of data and log data.
- Explain some basic scenarios of database data recovery.
- Schedule activities to be done in the database and verify the result of the activity using the DB13 - Planning Calendar transaction.

Target Audience

System Administrators

Prerequisites

Essential:

SAP125 SAP Navigation 2005

NW100 SAP Web Application Server Overview

NW300 SAP Web Application Server Basic System Maintenance

Recommended:

NW001 Technology Solutions Powered by SAP NetWeaver

Course Content

- § Database Logs
- § Architecture of Database Systems
- § Backing up the Database Contents
- § Overview: Monitoring the Database

Notes

Course length: 2 hours

NW600 SAP Web Application Server Development Analysis and Tools

Course Goals

This course will prepare you to:

- Describe the SAP Business Workflow.
- Describe functionalities of the SAP Business Workflow.
- Present the most used tools for the System Administration task.
- List the main analysis transactions of the SAP system. Describe an overview of the Computing Center Management System (CCMS) monitors. Define and list some Solution Manager services. Describe the main services of the SAP Service Marketplace.
- Present the main functions of the SAP Developer Network.
- Introduce the SAP NetWeaver concept and present details of its components.
- Explain the current challenges in the IT Scenario.
- Explain the SAP NetWeaver integrated system infrastructure.
- Define the main functions of the SAP Enterprise Portal.
- Define the main functions of the SAP Mobile Infrastructure. Define OLTP and OLAP.
- Describe the components and architecture of the SAP Business Warehouse.
- Describe the components of the Process Integrator.
- List the SAP XI services and its main components.
- Define Enterprise Services Architecture (ESA).
- Describe the SAP ERP software evolution up to mySAP ERP 2004.
- Define Client/Server Architecture, Enterprise Services Architecture and Web Services.
- List the SAP's plan for the Enterprise Services Architecture until 2007.

Target Audience

Business Integration Specialists

Prerequisites

Essential:

SAP125 SAP Navigation 2005

NW100 SAP Web Application Server Overview

Recommended:

NW001 Technology Solutions Powered by SAP NetWeaver

Course Content

- § SAP Business Workflow
- § Analysis Transactions
- § Introduction to Solution Manager
- § SAP Service Marketplace and SAP Developer Network
- § SAP NetWeaver - Overview and People Integration
- § SAP NetWeaver - Information Integration
- § SAP NetWeaver - Process Integration
- § The way to Enterprise Services Architecture

Notes

Course length: 2 hours

NW900 SAP Web Application Server User Authorization Administration

Course Goals

This course will prepare you to:

- Understand the authorization test done for every program execution in the SAP system; define users, roles and profiles.
- Define User Master Record, Authorization and Roles.
- Describe the SU01 - User Maintenance transaction. Define Authorization Objects (its elements and structure).
- Describe how the SAP system does the authorization test.
- Perform the Role and Profile Maintenance using the PFCG transaction.
- Assign roles to users and compare the User Master Record.
- Present the necessary configurations for authorizations. Obtain data about users and his/her authorizations.
- Describe the system parameters for user logon.
- Describe the rules for passwords in the SAP system.
- Verify the user's information system using the SUIM transaction.
- Use the available tools in the SAP system for authorization test.
- Introduce the available resources for central user administration (CUA).
- Describe the CUA and the data exchange between Directory Servers and the SAP system.

Target Audience

System Administrators
Security Administrators

Prerequisites

Essential:

SAP125 SAP Navigation 2005
NW100 SAP Web Application Server Overview
NW200 SAP Web Application Server User Configuration

Recommended:

NW001 Technology Solutions Powered by SAP NetWeaver

Course Content

- § User Administration Concepts
- § Authorizations Concept
- § Login parameters and Information System
- § Central User Administration and Directory Server

Notes

Course length: 2 hours