

SAP- BASIS - Course Contents

Introduction

- Introduction to ERP
- Introduction to SAP
- SAP AG: Evolution & Strategy
- SAP Product Evolution
- SAP Services Overview (OSS)
- An introduction to Kernel Software

The Architecture of SAP R/3

- Client / Server Solution
- Overview of 3 layer interface
- Types of Client / Server Architectures
- An introduction to R/3
- Overview of R/3 Architecture
- Presentation Interface
- Application interface
- Database interface
- Overview of Dispatcher & Work Processes
- Overview of Transaction & Dialog step
- The concept of SAP Instance

Landscape Scenarios

- Overview of Software Development
- Overview of SAP Landscape
- Landscape types

Lifecycle Implementation concepts

Installation and Guidelines

- Installation requirement
- Pre installation steps
- System sizing
- Installation File Systems
- Installation of RDBMS
- Install central Instance
- Install Database Instance
- Installing Dialog Instance
- Installation of Presentation Layer
- Post installation Activities
- Overview of SAP License system

Starting and Stopping SAP Systems

- Start & Stop SAP R/3 Server
- Directory Structures
- Overview of SAP MMC
- SAP & Oracle Environment Variables
- SAP Logon Pad configuration
- Logs of the Start and Stop Processes of SAP

Transport Management System

- Overview of transport Management System
- Configuring Systems and Domains
- Configuring Transport Routes
- Distributing and Verifying configuration
- Overview of tp & R3trans
- Performing Transports with tp Program
- Overview of the Complete Process of Transporting
- System Change Options
- Working with Change and Transport Organizer
- QA Approval Procedure

Client Administration

- Client Concept.
- Creating Clients.
- Prerequisite for Client Copy
- Local Client Copy (SCCL).
- Client Export/Import(SCC8/SCC9)
- Remote Client Copy (SCC9)
- Client Copy Logs and monitoring of Client Copy
- Deleting R/3 Client
- Client Refresh

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Introduction to System Configuration

- Overview of system profiles- default, instance, start profile
- How the System Evaluates Its Parameters
- How to Set System Parameters
- Setting up Operation Modes
- SAP Logon Load balancing – SMLG.

Support packs and Add-ons

- Overview of Support Packages, Plug-ins & Add-ons
- Types of Support Packages
- Downloading Support Packages
- Support pack Dependencies and Requirements
- Applying Support Packages, Plug-ins & Add-ons
- SAP R/3 Kernel Upgrade (kernel 700-kernel 710)

Spool Administration

- SAP Spool system Architecture
- Configuring Printers in SAP Systems
- Concept of Logical Spool Servers
- Managing spool Requests.
- TEMSE object Database
- Troubleshooting printing problems

Background Jobs:

- Fundamentals of Background Processing
- Time-Based Scheduling of Jobs
- Event-Based Scheduling of Jobs
- Background Processing: Other Topics
- Creating Background Jobs – SM36
- Monitoring Background Jobs - SM37

SAP Administration for Oracle Database

- Introduction to Oracle Database Architecture
- Oracle Directory structure for R/3
- Introduction to SAPDBA & BRTOOLS
- Work process connecting to the database
- Database Backup & Restore
- Monitoring of the database instance

- Database Performance Monitor (transaction ST04)
- DBA Planning Calendar (transaction DB13)
- Backup Log Overview (transaction DB12)
- DBA Operations Monitor (transaction DB14)
- Tables and Indexes Monitor (transaction DB02)
- Database Alert Monitor (transaction RZ20)
- Monitoring Performance Using the DBA Cockpit

System Monitoring

- Monitoring SAP Instances
- Monitoring System Work Process
- Managing User Sessions
- Managing Update Records
- Managing Lock Entries
- Managing R/3 System Logs
- Analyzing ABAP Dumps
- System Tracing Utilities
- Managing Batch Input Sessions
- Sending system wide messages for downtime
- CCMS Alert Monitoring Infrastructure(RZ20)

Platform

- Operating System: Windows 2003 Server
- Database: Oracle 10G
- SAP server: ECC 6.0

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