

SAP BASIS**Lesson 00 - INTRODUCTION TO ERP**

Introduction to SAP R/3

Lesson 01 - SAP R/3 ARCHITECTURE

- Central System
- Distributed Presentation

Lesson 02 - SYSTEM LANDSCAPE AND FLOW

- Single System Landscape
- Two System Landscape
- Three System Landscape
- Multi System Landscape

Lesson 03 - INSTALLATION OF SAP

- Installation Concepts on Windows & UNIX and Quick Sizing
- Naming Convention, Software Kit, SAP Licensing
- Installation Procedure – Windows Application Server for
- UNIX SAP System

- R/3 Directory Structure, Kernel

Lesson 04 - Work processes

- Dialog, background, spool, enqueue, update.

Lesson 05 - OPERATION MODES

- Manual Switching of OP Modes
- Exceptional Mode
- Monitoring

Lesson 06 - PROFILE MAINTENANCE & PARAMETER SETTING

- System Profile
- Transport Profile
- Client Profile
- Authorization Profile

Lesson 07 - USER ADMINISTRATION

- Creating and Maintaining Master Records, Architecture
- Logon and Password Security, Protecting Special Users
- Creating and Maintaining Single and Mass Users and
- User Groups
- Copying, Deleting, Locking/Unlocking Users

Lesson 08 - CLIENT ADMINISTRATION

- Client Maintenance
- Copying Client within R/3 System (Local)
- Copying client between R/3 Systems (Remote)
- Export/Import
- Protecting Client
- Monitoring and Verifying a Client Copy
- Deleting Client
- Tips and Troubleshooting

Lesson 09 - TRANSPORT MANAGEMENT SYSTEM

- TMS Terminology and Concepts
- Configuring TMS and Checking Transport Directory
- Configuring Transport Domain, Domain Controller and Group
- Configuring Virtual SAP System and Displaying Configuration
- Including SAP systems in the Transport Domain
- Creating Consolidation and Delivery Routes
- Maintaining SAP Systems without Common Transport Directory, Configuring External Systems
- Locking and Unlocking TMS for a SAP System
- Deleting SAP System from the Transport Domain
- Deleting TMS Configuration

Lesson 10 - PERFORMANCE TUNING

- OS, H/W Performance Considerations
- Memory, Management
- R/3 Buffers, Page Buffers, Extended and Heap Memory, PRIV Mode

Lesson 11 - CHANGE AND TRANSPORT SYSTEM

- Releasing and Transporting Change Request and Tasks
- Customizing, Workbench, Transport Organizer
- Importing Change Requests

Lesson 12 - SPOOL ADMINISTRATION

- Print related Terminology in OS/SAP Level
- Setting Local, Remote and Front-End Printing
- Logical and Real Spool Server
- Managing Spool Requests using Output Controller
- Connecting Output Devices to Window System
- SAPLPD, TemSE, Authorization

Lesson 13 - PATCH AND KERNEL ADMINISTRATION

- Checking the Patch, Spam, Kernel Levels
- Downloading Installing Patches, Kernel
- Applying at OS Level, SAPNET, Front-End
- Troubleshooting Various Issues

Lesson 14 – SPAM & SAINT upgrade

- Sap system patch upgrade
- Add-on installations
- Web-dispatcher & host agent upgrade

- Lesson15 - SYSTEM MONITORING

- Daily, Weekly, Monthly Tasks

- Lesson 16 - DISTRIBUTED R/3 SYSTEM

- Creating Regular Instance

- Creating Logon Groups for Load Balancing

- Lesson 17 - OSS AND SNOTE CONCEPTS

- How to Use for Different Purposes

- Manually Applying OSS note on SAP Standard Program

- Lesson 18 - DATABASE MANAGEMENT (Oracle)

- Introduction to Oracle

- Oracle Architecture

- Introduction to SAPDBA

- Creating Tables and Table Space Adjustment

- Database Backup, Restore and Recovery

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HANA Administration:

UNIT 1: SAP HANA Overview

•Introduction to SAP HANA

•In-Memory Strategy

•SAP HANA components

•SAP HANA Architecture

•SAP HANA versions

•SAP HANA Editions

•Installation of Hana Systems on ERP,CRM,SRM,SCM and Netweaver 7.4

•SAP HANA Landscape

UNIT 2: SAP HANA Sizing

•SAP HANA In-Memory Database Sizing elements

•RAM, Disk, CPU•Memory Sizing•CPU Sizing

UNIT 3: SAP HANA Installation

•Perquisites for a SAP HANA installation

•Verify Hardware And Operation System

•SAP HANA Server Installation

•SAP HANA Studio Installation

•SAP HANA Client Installation

UNIT 4: SAP HANA Administration Tool Overview

•SAP HANA Studio

•DBA Cockpit

•HDBSQL Command Line Tool

UNIT 5: System Administration

•Starting and Stopping SAP HANA Systems

•Start a System •Stop a System

•Restart a System•Stop and Start a Database Service

•Monitoring SAP HANA Systems During Stop and Start

UNIT 6: Setting Up and Configuring Multitenant Database Containers

•Convert an SAP HANA System to Support

Multitenant Database Containers

•Create a Tenant Database

•Adding Single and Multitenant Databases to Hana Studio

•Stop and Start a Tenant Database

•Drop a Tenant Database

•Managing Resources in Multiple-Container Systems

•Migrated Statistics Server into Embedded Statistics Server

•System Views in Multiple-Container Systems

UNIT 7: Managing SAP HANA Licenses

•License Keys

•Check the Current License Key

•Install a Permanent License

•Delete an Existing Permanent License Key

UNIT 8: Managing Tables.

•Column-Based and Row-Based Storage in the SAP HANA Database

•Memory •Management in the Column Store

•The Delta Merge Operation

•Data Compression in the Column Store

•Opening Tables and Views

•Converted Row Store Tables to Column Store tables

•Viewing Options for Tables and Views

•Export Tables and Other Catalog Objects

•Import Tables and Other Catalog Objects

•Database Save Points

UNIT 9: SAP HANA Pre & Post Installation

•Preparing HANA Installation

•Further Function on SAP HANA On-site configuration Tool

•Post-Installation Steps

UNIT 10: SAP HANA Operation

•Starting and stopping SAP HANA

•Configuring SAP HAN •Periodic and Manual Tasks

UNIT 11: Backup & Recovery

•Concept of Backup and Recovery

•Configure backup settings•Data area Backup

•Log area Backup

•Backup of configuration files and Backup catalog

•Backup up of Tenant databases•Recovery

UNIT 12: Maintaining Users and Authorizations

•Users management•Types of privileges •Roles

•Assigning Role to User

•Assigning Privileges to Roles•System privileges

•SQL privileges•Package privileges

•Granted role privileges•Object privileges

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