



SAP BASIS & HANA **Administration**

INTRODUCTION:

1. Introduction to System Applications and Product in Data Processing
 - a. What is ERP (Enterprise Resource Planning)
 - b. Advantages of SAP ERP
 - c. Different SAP Products
2. Different types of Projects
 - a. Implementation
 - b. Production Support
 - c. Upgrades
 - i. Version Upgrade (Netweaver 740 to 750)
 - ii. Enhancement Pack Upgrade
 - iii. Support Package Stack Upgrade
 - d. Migration
 - i. OS & DB Migration

SUPPORT:

Role of Basis consultant in a Support Project and the activities to be handled

1. Role of a Basis Administrator
2. SAP R/3 Architecture
 - a. Database Server
 - b. Application Server
 - c. Presentation Server
 - d. Types of Work Process DVEBMGS
 - e. Work Process Architecture
 - f. Introduction to High Availability & Disaster Recovery
3. List of T-codes
4. Dialog work process Overview
5. Background Job Management
6. Performance Optimization
 - a. Operation Modes
 - b. Additional Application Server
 - c. System Profile Parameters
 - i. Dynamic
 - ii. Static
 - d. System slow and connectivity issues
 - e. How to start Sap system and startup problems

7. SAP File System
8. Email Configuration
9. Introduction to RFC (Remote Function Call)
 - i. Types of RFC
 - ii. Practical on RFC Setups
10. SAP Application Buffers
11. Introduction of SAP Memory
 - a. Roll Memory
 - b. Extended Memory
 - c. Heap Memory
 - d. Shared Memory
12. Kernel Upgrade
13. Client Administration
 - a. Client Architecture
 - b. Types of Client Copies
14. Transport Management System
 - a. What is TMS?
 - b. What is a transport Route?
 - c. What are transport Layers?
 - d. Configure TMS in a 3 System Landscape
 - e. Practical Session on how to move the changes across the landscape
15. Patch Management
 - a. Introduction to Patch Management
 - b. OSS Notes/KBA
 - c. How to apply OSS Note/KBA's
 - d. How to apply Patches
 - e. Practical Sessions on OSS Notes/Patches/Kernel

SECURITY:

1. User administration
 - a. Creation of users and its types
 - b. Delete/lock/unlock and comparing users
 - c. User level access problems and trouble shoot
2. Role administration
 - a. Creation of Roles
 - b. Adding T-codes and removing
 - c. Object level restriction and ORG level
3. Using Security T-codes (SU01, SU10, SUIM, PFCG and EWZ5 etc..)

IMPLEMENTATION:

1. ASAP Methodology
2. Hardware Sizing
3. Product Availability Matrix (PAM)
4. Download software from SAP
5. Pre-Installation Activities
6. Installation of SAP
7. Post-Installation Activities

8. Realization (Build Phase)
9. Final Preparation
10. Go-Live
11. Post Go-Live Support

DATABASE:

1. ORACLE
 - a. Oracle DB Architecture
 - b. Background Process
 - c. Memory
 - d. Control Files, Data Files, Redo Files, Archive Files
 - e. Backup Planning and how to execute backup/restore
2. DB2
 - a. DB Architecture
 - b. Backup, Restore and Recovery
 - c. DB2 commands
 - d. DB2 Redirect restore
 - e. DB2 Upgrade
3. SYBASE
 - a. DB Architecture
 - b. Backup, Restore and Recovery
 - c. Sybase Commands
 - d. DB Refresh on SYBASE Database
4. HANA
 - a. What is SAP Hana and why Hana DB is popular?
 - b. In Memory concept?
 - c. Different editions of SAP HANA?
 - d. What are the different versions of SAP HANA?
 - e. HANA PROCESSE
 - i. System Startup Processes
 - ii. Core Database processes
 - iii. SAP Hana Auxiliary Processes
 - iv. Further Auxiliary Processes
 - f. Index Server Architecture
 - g. Hana file system layout.
 - h. Installing an SAP Hana database
 - i. Applying HANA Licenses.
 - j. Updating the SAP Hana database
 - k. Introduction to SAP Hana studio and uses
 - l. Starting and stopping the Databases from Studio, Command line (OS level)
 - m. Starting and stopping the Individual database processes.
 - n. HANA BACKUP and RECOVERY
 - o. DB Refresh on HANA
 - p. LINUX Commands for HANA Administration at OS Level.

SOLUTION MANAGER 7.2:

1. Introduction to Solution Manager 7.2
 - i. SOLMAN 7.2 ABAP installation
 - ii. SOLMAN 7.2 JAVA installation
 - iii. SLD ACTIVATION
 - iv. SYSTEM PREPARATION
 - v. INFRASTRUCTURE CONFIGURATION
 - vi. BASIC CONFIGURATION
 - vii. EWA reports configuration

DB REFRESH:

HANA, SYBASE and DB2 Databases with PRE and POST activities.

SAP support portal (Support.sap.com):

1. How to create incident to SAP
2. Generating Licenses for SAP servers
3. How to Download Software from SMP

SAP ROUTER CONFIGURATION.

SUM TOOL INTRODUCTION.

S4HANA1610 IMPLEMENTATION BRIEF EXPLANATION.

DAILY ACTIVITIES and WEEKLY REPORTS.

JAVA stack BASICS

Ticketing tool