

SAP HANA CONTENT

UNIT 1: SAP HANA INTRODUCTION

SAP HANA Introduction
HANA solutions offering by SAP

UNIT 2: PREPARING INSTALLATION

Sizing of SAP HANA: - SAP HANA In -Memory Database Sizing elements RAM, Disk, CPU (Memory Sizing & CPU Sizing), SAP HANA Scale Out
Prerequisites setup

UNIT 3: INSTALLATION

Installation of SAP HANA with SAP HANA Lifecycle Management Tool
Distributed System Installation (High Availability)

UNIT 4: POST INSTALLATION

Network configuration check
Backup & parameters setup

UNIT 5: ARCHITECTURE AND SOLUTIONS

SAP HANA Architecture
Brief introduction HANA solutions

UNIT 6: ADMIN TOOLS FOR SAP HANA

SAP HANA Studio
HDBADMIN
DBA Cockpit
HDBSQL Command Line Tool

UNIT 7: Admin Activities

Starting and Stopping SAP HANA
Parameter configurations
Trace setup
Table partition & distribution
Periodic Tasks
Enabling audit
Delta Merge
Transport Management
Table/Schema copy between systems
System rename
Catalog check & Table consistency check

UNIT 8: BACKUP AND RECOVERY

Concept of Backup (data & log) and recovery
Data Backup strategy
Schedule full Data Backup via crontab
Data Backup types (Differential & Incremental backup)
Schedule Data Backup types (Differential & Incremental backup) via crontab
RCA for failed backups
Recovery database from (N to N-1 & N-1 to N) nodes
Post recovery activities

SAP HANA CONTENT

Backup and Recovery using Storage Snapshot
Backup and Recovery using Differential & Incremental backup

UNIT 09: MONITORING AND TROUBLESHOOTING

HANA system monitoring (Studio, cockpit & HDBADMIN tool)
Troubleshoot performance issue
Analyzing run time dump & crash dumps
PlanVizg Analysis
Mini checks analysis
TPO (Technical planning optimization) analysis

UNIT 10: MAINTAINING USERS AND AUTHORIZATION

Create Users, User and Role Concept, Creating Roles, Assigning Privileges to Roles, Privileges, SQL Privileges, System Privileges, and Analytic Privileges.

UNIT 11: HIGH AVAILABILITY AND DISASTER TOLERANCE

High Availability introduction
SAP HANA Scale Up/Out overview
Disaster Recovery overview & setup

UNIT 12: ADDITIONAL TOPICS

SDA
SDI
STL
DXC
WEBIDE
SSO

UNIT 13: MDC

Multitenant DB introduction
Multitenant DB installation
Multitenant DB post installation steps
Converting single DB to Multitenant DB
Copying schema from single DB to Multitenant DB
MDC administration

UNIT 14: HANA UPGRADE (SPS & Revision)

Upgrade strategy
Prerequisites for SPS/revision upgrade
Upgrade process
Post upgrade activity (Catalog check & Table consistency check).