

SAP- HANA ADMIN

Prerequisites

Someone who is working as a SAP BW consultant and wants to learn SAP HANA skills. Familiarity with network security and administration concepts.

SAP HANA Landscape

- SAP HANA components, editions
- scenarios and guides

SAP HANA Architecture

- SAP HANA persistence
- Sizing SAP HANA
- Scale out SAP HANA

SAP HANA Tool Overview

- SAP HANA studio for administrator
- DBA Cockpit

Pre & Post Installation of SAP HANA

- Preparing SAP HANA installation
- On-site configuration tool
- Post installation steps

Operate SAP HANA

- Starting and stopping SAP HANA
- Backup and recovery
- Maintaining Users and Authorizations
- Periodic manual task
- Monitoring with SAP HANA Studio
- Monitoring with DBACOCKPIT Software Lifecycle Management
- Monitor and Troubleshoot SAP HANA
- Updating SAP HANA and SAP HANA Studio

Data Provisioning

- Configure data replication with SAP
- Landscape Transformation (SLT)

Configure data replication with SAP Data Services Security

- User Creation
- Roles Creation
- Assigning Rights

Backup and Recovery

Administration Tools

Transport Connection

Linux Commands

Linux System HDB

System HDB Overview

Migration and Configuration of HDB.

SAP- HANA DEVELOPMENT

Prerequisites

- A basic knowledge of database technology, especially relational databases and SQL query language
- A general understanding of how columnar, in-memory databases work
- Someone who is looking for a career in BW on HANA Platform.
- Someone who is working as a SAP BW consultant and wants to learn SAP HANA skills.

HANA INTRODUCTION

- Introduction to SAP HANA
- HANA – In Memory Computing
- Technology overview
- HANA – In Memory Strategy
- HANA Architecture
- HANA System requirements
- HANA Modules
- HANA compare to BWA
- HANA with BW
- HANA with ECC
- HANA administration & Security

ARCHITECTURE

- HANA Engine Overview
- IMCE surroundings
- Different HANA Engine Types
- Row Store
- Column Store
- Persistency Layer
- Business Impact of new architecture

MODELING

- HANA Modeling studio
- Modeling Process flow
- Levels of Modeling in SAP HANA
- Attributes
- Measures
- Attributes Views
- Analytical Views
- Calculation Views
- Hierarchies
- Export & Import

ADVANCE MODELING

- Calculation Views
- Functions & Expressions
- Procedures
- Procedure scenarios
- Sequence Creation

LOADING and REPLICATION PROCESS

- SAP HANA database
- HANA client components
- HANA Data loading process
- Loading and replication process:

- Data loading mechanism
- Data replication process
- Replication Server
- Replication Architecture
- BO Data Services data extraction
- Introduction to Data Services

SECURITY

- Creating Users
- Creating Roles
- Privileges
- User Administration

SAP BODS and HANA

- Basic Data service Connection types
- New to Data services 40
- Full Extractor through ODP
- Configure Import server
- Create and execute a Data Service
- Job to Populate HANA Row &
- Column store aggregation

DATA PROVISIONING: SAP LANDSCAPE

- TRANSFORMATION (SLT)
- Data provisioning overview
- SAP landscape transformation setup
- Options for SLT landscape installation
- Post installation stem
- Concept of SLT replication
- Architecture and key building block
- Technical requirement and system set-up information for LT replication server

SAP BW ON HANA

- Loading data from BW to HANA via
- BODS
- Impact of BW on HANA.

REPORTING

- User Interface (UI)/Reporting
- Business Objects BI 40 Enterprise
- Business Objects Reporting
- Business Objects Integration with HANA
- Business Objects BI 40 Explorer
- Non SAP reporting tools with HANA
- MS Office integration
- Real time Dashboards
- Crystal Reports via ODBC/JDBC Connections
- HANA Reporting Layer & Connectivity Options
- Reporting on HANA Clients
- Reporting on HANA Open Interfaces
- Prerequisites for reporting on SAP HANA
- IMDB client installation

- Setting up new connection
- SAP Business Objects BI4.0: Overview & tool comparison
- Analytical Reporting on HANA
- Relational Reporting on HANA
- Reporting on HANA Demo Included
- Native Excel Interface via ODBO
- SAP Business Object Analysis (Office Edition)
- SAP Business Object Explorer
- Semantic Layer Approach
- IDT Vs Universe Designer
- SAP BOBJ Web I
- SAP BOBJ Xcelsius
- SAP Crystal Reports
- Enterprise Vs 2011
- Front end tool reporting
- considerations on top of HANA Single & Multiple
- Implementation of BADI.

MODULE

- Miscellaneous
- BW 7.3 powered by HANA Overview
- SAP HANA Roadmap
- HANA today
- HANA 2.0 (Suite)
- The BW - HANA Relationship
- In-Memory DSO & Cube Overview

