

ASPIRE TECHSOFT PVT. LTD.

ISO 9001: 2015 Certified Training Institute

SAP BW ON HANA

Duration: 60 hours

Batches: Weekdays/ Weekend

Introduction

- Evolution of HANA Landscape
- SAP HANA Basics
- SAP Net Weaver BW 7.4

SAP HANA and Business Strategy

- Identifying Transformational Opportunities
- Understanding Your Needs, Enterprise Needs, Data Needs
- Working with Existing Solutions: SAP HANA versus SAP Net Weaver BWA
- Pros and Cons of SAP HANA

SAP HANA Architecture

- In Memory Computing (Row Store, Column Store, Persistency Layer, Architectural Concept)
- HANA based Real-time Operational Analytics
- HANA based Agile Data Marts for Rapid Prototyping with Analytic Models
- New Modeling Paradigm in order to provide agility and flexibility from business question to report

HANA-optimized Data Store Object and Info Cube

- HANA-Optimized Data Store Object
- HANA-Optimized Info Cube
- Semantically Partitioned Object

MODELING of SAP BW 7.4 with SAP HANA

- Models in SAP BW 7.4
- Data Extraction and Data Flow within SAP BW 7.4 NW 2004S
- New Data source Concept of BW 7.4
- Transformation in BW 7.4(ETL)
- DTP (Data Transfer Process)
- FROM 3.X TO BW 7.4
- Business Content UPGRADING DATAFLOWS
- Administration of Info Cubes and Aggregates
- DSO (DATA STORE OBJECTS)
- Multi Providers

Main Project:

The student will work on 5 Data Flows provided by the Instructor.

Consuming HANA Models in BW

- Virtual Provider
- Transient Provider

- Composite Provider
- DB Connect
- Importing SAP BW models in SAP HANA
- Importing HANA optimize infocubes
- Importing HANA optimize DSO

DATA EXTRACTIONS (ETL) **ECC Extractions Using BI BW 7.4 Dataflow**

- Overview of ECC6.0 Extractions.
- Generic Extractions
- Business Content Extractions
- CO-PA Extractions (COST PROFITABLE ANALYSIS)
- LO-COCK PIT Extractions (LOGISTICS)

REPORTING

- Introduction to BI Enterprise Reporting
- Navigating in Reports
- First Steps in Query Designer
- Key Figures
- CHARACTERSTICS
- Attributes
- Exceptions and Conditions

Transporting Objects (CTO)

I. MODELING

- The Multi-dimensional Model in SAP BW
- The SAP BW Star Schema Concept
- Data warehousing Workbench (DWB)
- Info Objects
- Info Cubes

Unit 2: Data Extraction and Data Flow within SAP BW 7.4 NW 2004S

- 3.x Dataflow
- Overview of BW 7.4 Dataflow
- Comparison of 3.x and BW 7.34 Data flows
- Loading Master Data (Attributes, Texts, Hierarchies)
- Loading Transaction Data

Unit 3: New Data source Concept of BW 7.4

- Overview of new Data source
- Emulation of Data source in BW 7.4
- Data source Lifecycle with In BW 7.4 NW 2004S
- Migration of 3.x data source to BW 7.4 data source

Unit 4: DTP (Data Transfer Process)

- Overview of DTPS
- Trouble shooting techniques in DTPS

Unit 5: UPGRADING DATAFLOWS FROM 3.X TO BW 7.4

Unit 6: Business Content

- Business Content (BCT)

Unit 7: Administration of InfoCubes and Aggregates

- Managing Basic Cubes
- Aggregates

Unit 8: DSO (DATA STORE OBJECTS)

- Data Store Objects concept

Unit 9: Multi Providers

- Multi Providers

II. DATA EXTRACTIONS (ETL)

ECC extractions using BW 7.4 Data flows

Unit 1: Overview of ECC6.0 Extractions

- Types of ECC extractions

Unit 2: Generic Extractions.

- Generic Extraction using
 - Database Table
 - View

Unit 3: Business Content Extractions

- Overview of Business Content Extractions.
- Examples from Financial, Logistics, HRMS modules.

Unit 4: CO-PA Extractions (COST PROFITABLE ANALYSIS)

Unit 5: LO-COCK PIT Extractions (LOGISTICS)

Unit 6: Delta Management

Unit 7: Process Chains in Detail covering all process Types

- Real time examples on process Chains (Meta Chains)

Unit 8: Upgrading process Chains from 3.x to BI 7.3

III. REPORTING

Unit 1: Introduction to BI Enterprise Reporting.

- The SAP BI Overview

Unit 2: Navigating in Reports

Unit 3: First Steps in Query Designer

- Query Designer
- Info providers in query Designer

Unit 4: Key Figures

- Restricted Key Figures
- Calculated Key Figures
- Properties of Key Figures
- Structures and cells

Unit 5: CHARACTERSTICS

- Properties and Attributes of Characteristics
- Integrating attributes and hierarchies in reports.

Unit 6: Exceptions and Conditions.

- Exceptions
- Conditions

ADVANCED REPORTING Topics

Unit 7: BexAnalyzer

Unit 8: Transporting Objects (CTO)