

## SAP BODS COURSE CONTENT

### Week-1

#### Overview of Data Warehouse

- Data Warehouse Functions and Implementation
- Data Warehouse Products and Vendors
- About SAP's Data warehouse-SAP BW
- SAP BW functions
- Benefits and Limitations
- About Business Objects and their Products
- Why SAP Acquired Business Objects
- Data Centric Vs Process Centric DWH system.

#### Introduction to SAP BO Data Service

- About Data Services
- Importance of Data Integration and Data Management
- Data Services Product Evolution(ATL & DI & DQ)
- Architecture – by Components
- Data Services Tools and its functions
- Data Services Objects and Objects Hierarchy
- BODS Objects Naming standards
- BODS Objects comparison with SAP BW Objects

#### Introduction to Data Services – Basic Level

- Repository Manager-BODS Repository
- Repository Types- Local, Central & Profile
- Repository Creation and Up gradation
- Server Manager-Job Server(JS) and AS ( Access Server)
- JS and AS Creation & Job Server-Repository Assignment
- Management Console – Overview & Components
- Data Service Designer – Overview & GUI

### Week-2

#### Data Services-Transforms

- Transforms and Categories (DI, DQ, PF)
- Data Integration – Data\_Transfer, Date\_Generation
- Data Integration – Effective\_Date, Hierarchy\_Flattening
- Data Integration – History\_Preserving, Key\_Generation
- Data Integration – Pivot, Reverse\_Pivot, XML\_Pipeline
- Platform – Case, Map\_Operation, Merge, Query
- Platform – SQL, Validation Custom ABAP Transform

#### Data Services-Advance Level

- BODS Admin Console – Administration, Auto Reporting.
- Real time Jobs, Embedded Data Flows Variables, Parameters,
- Substitution Parameters, System Config
- Debugging, Recovery Mechanism
- Data Assessment – Data Profiling
- BODS Performance Tuning Techniques
- Multi-User Development Environment – Intro & Advantages
- Multi-User Environment Implementation & Migration
- BODS Object Migration Techniques

### Week-4

#### SAP BOBJ RAPID MARTS:

- Rapid Marts – Introduction, Advantages, Limitations
- Total Rapid Marts SAP offering, Rapid Marts for SAP Solution
- Rapid Marts – Versions, Dataflow, Content
- Why and Whom to go for Rapid Marts implementation?
- Rapid Marts implementation Out of Box:
- Environment Checklist

## SAP BODS COURSE CONTENT

- Overview Designer to Develop First EFlow

### **Overview Data store and Formats**

- Data store- and Types
- Data store – DB,SAP & Adopter & Web Service
- Formats – Flat files & Excel & DTD & XSD & COBAL Copybooks
- Data Extraction Database Tables
- Data Extraction Excel Workbook – Multiple Sheets
- Data Extraction Flat files ( CSV & Notepad & SAP Transport)
- Data Extraction XML File ( DTD & XSD)
- Data Extraction COBOL Copybooks
- Data Distribution to Flat File and XML
- Dynamic Extraction – Files Selection and Sheet Selection

### **Week-3**

#### **Introduction to Data Services-SAP Systems Handing**

- SAP System – Intro & SAP System allowed & Terminology
- SAP BODS & SAP ERP / SAP BI Integration
- SAP BODS User & Role creation SAP
- SAP ERP – Data Flow & Interfaces & Objects allowed BODS
- SAP Application Datastore – Properties
- SAP ERP – Tables and Hierarchies Data Extraction
- SAP ERP – Getting RFC enabled Functions Modules
- SAP ERP – IDOC Data Extraction and IDOC Data Loading
- SAP ERP – Extraction Flat file data SAP APP Server
- SAP BW – Data flow & interfaces & Objects allowed BODS

- Recommend for Upgradation
- Environment setup ( Pre installation phase)
- Installation of RM(Data Model, ETL, Visuals)
- Configuration of RM ( ETL, Visuals)
- RM File and Custom ABAP Transform Maintenance
- Rapid Mart directory Maintenance
- Rapid Marts Testing – Sample Data Loads, Testing Reports
- Rapid Marts Recovery Mechanism – For Delta Loads
- Rapid Marts implementation – Customization (as per Req.)
- Data Model Customization
- ETL Customization
- Visuals Customization
- Rapid Marts Performance Tuning Techniques (Standard)



## SAP BODS COURSE CONTENT

- SAP BW Source & SAP BW Target Datastores
- SAP BW – Extracting Data from
- SAP BW infoproviders – OHD
- SAP BW – Extracting Data from SAP BW Bases tables-/BIC/
- SAP BW – Loading Data to SAP BW infoproviders(MD & TD)
- SAP BW – BW Jobs Execution