

SAP Business Objects Data Services & Rapid Marts Course Content

Overview of SAP (BODS) Business Objects Data Services :

- ❖ What is Data Warehouse
- ❖ Data Warehouse Functions & Implementation
- ❖ Data Warehouse Products & Vendors
- ❖ About SAP's Data Warehouse-SAP BW
- ❖ SAP BW functions, Benefits & Limitations
- ❖ About Business Objects & their Products
- ❖ Why SAP Acquired Business Objects
- ❖ Data Centric Vs Process Centric DWH system.

SAP Data Services Overview:

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

Data Services - Basic Level:

- ❖ Repository Manager-BODS Repository
- ❖ Repository Types- Local, Central, Profile
- ❖ Repository Creation & Up gradation
- ❖ Server Manager-Job Server(JS) & Access Server(AS)
- ❖ JS & AS Creation, Job Server-Repository Assignment
- ❖ Management Console – Introduction & Components
- ❖ Data Service Designer – Introduction & GUI
- ❖ Getting Started with Designer to Develop First ETL Flow

DataStore & Formats:

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

Data Services - Transforms:

- ❖ Transforms & 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

Data Services – Sap Systems Handling:

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

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
 - ❖ - 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)