

SAP BODS ONLINE TRAINING COURSE

CONTENT

What is SAP BODS?

The SAP Business Objects Data services application can help by delivering a single enterprise-class solution for data integration, data quality, data profiling, and text analysis that allows you to integrate, transform, improve, and deliver trusted data that supports critical business processes and enables sound decisions.

SAP Business Objects Data Services combines industry-leading data quality and integration into one platform. With Data Services, your organization can transform and improve data anywhere. You can have a single environment for development, runtime, management, security and data connectivity.

Course Content

DW CONCEPTS

- Definition
- Methodologies
- Dimensional Modeling
- DW Lifecycle
- DW Challenges

ETL OVERVIEW

- ETL introduction
- Staging Area
- Business Rules
- Performance
- Slowly Changing Dimensions
- Surrogate Keys
- Facts and Dimension Tables
- Different ETL Tools

BUSINESS OBJECTS OVERVIEW

- History
- Components
- Architecture

DATA SERVICES

- Purpose of Data Services
- Data Services architecture
- Define Data Services objects
- Data Services Designer interface

DATA SERVICES OBJECTS

- Object Hierarchy
- Jobs
- Workflows
- Data Flows

SOURCE AND TARGET METADATA

- Data Stores
- File formats for flat files
- File formats for Excel files
- File formats for XML files
- Lab Exercises

ENVIRONMENT SETUP

- Creating repository
- Setting Job Server
- Setup for real-time operation
- Setting multiple data stores
- Starting Job servers
- Lab Exercises

BATCH JOBS

- Work with objects
- Create a data flow
- Use the Query transform
- Use target tables
- Execute the job
- Lab Exercises

TROUBLESHOOTING JOBS

- Use descriptions and annotations
- Validate and tracing jobs
- Use View Data and the Interactive Debugger
- Use auditing in data flows
- Lab Exercises

FUNCTIONS, SCRIPTS AND VARIABLES

- Define built-in functions
- Functions in expressions
- Lookup function
- Decode function
- Variables and parameters
- Data Services scripting language
- Scripting custom functions
- Lab Exercises

IMPORTANT TRANSFORMS

- Map Operation transform
- Validation transform
- Merge transform
- Case transform
- SQL transform
- Lab Exercises

OTHER TRANSFORMS

- Pivot transform
- Hierarchy Flattening transform
- Data Transfer transform
- XML Pipeline transform
- Lab Exercises

ERROR HANDLING

- Error Handling
- Recoverable work flows

CHANGE DATA CAPTURE

Update data over time
Database native CDC mechanisms
Source-based CDC
Target Comparison
Lab Exercises

DATA QUALITY OVERVIEW

Fundamentals of DQ and Data Cleansing
Built in DQ Transformations
Data Validation
Name & Address cleansing
De duplication
Cleansing other data
Lab Exercises

WEB-SERVICES AND REAL-TIME INTEGRATION

Real Time Jobs
SOAP Introduction
Web Services

SAP INTEGRATION

Creating data stores for SAP databases
Accessing SAP data
Running ABAP programs
R/3 Data flows