

SAP Data Service Course Contents :

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
- 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 realtime operation
- Setting multiple datastores
- 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 Introductio
- Web Services

SAP Integration

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