

DS10 - Data Services: Platform and Transforms

Course Duration: 40 Hours

Course Code : DS10

1. Course Overview

The **DS10 - Data Services: Platform and Transforms** course introduces participants to the fundamentals of **SAP Data Services**. This training provides a solid foundation in data integration, transformation, and management using the SAP Data Services platform. Participants will gain the skills to extract, transform, and load (ETL) data from multiple sources into target systems, ensuring high-quality and reliable data for business processes and analytics. The course also focuses on platform architecture, data flows, transforms, and performance optimization.

2. What You'll Learn

- Overview of the **SAP Data Services platform** and architecture.
- Creating and managing data flows, jobs, and workflows.
- Implementing **ETL processes** with Data Services.
- Using transforms for data cleansing, validation, and enrichment.
- Integrating structured and unstructured data sources.
- Monitoring and optimizing job performance.
- Understanding best practices for data integration projects.

3. Target Audience

- Data integration specialists.
- ETL developers and data engineers.
- SAP technical consultants working with **data migration projects**.
- Professionals involved in **data quality, data governance, and reporting**.

4. Pre-Requisites

- Basic understanding of databases and SQL.
- Familiarity with data warehousing concepts is recommended.
- General knowledge of **ETL tools and processes** is helpful.

5. Course Content

Module 1: Introduction to SAP Data Services and Platform Overview

Module 2: Data Services Architecture and Components

Module 3: Designing Jobs, Workflows, and Data Flows

Module 4: Working with Source and Target Data Stores

Module 5: Using Basic and Advanced Transforms

Module 6: Data Cleansing, Validation, and Enrichment

Module 7: Job Execution, Monitoring, and Error Handling

Module 8: Performance Tuning and Best Practices