

# Azure Data Factory Training

**Course Duration: 08 Hours**

**Course Code: ADF-101**

## 1. Course Overview

Azure Data Factory Training provides in-depth knowledge of cloud-based data integration services. This course helps learners understand how to design, build, and manage data pipelines for ETL/ELT processes using Azure Data Factory, enabling efficient data movement and transformation across multiple data sources.

## 2. What You'll Learn

- Fundamentals of Azure Data Factory (ADF)
- Creating and managing pipelines
- Data integration and transformation techniques
- Working with linked services and datasets
- Scheduling and monitoring workflows
- Integration with Azure services like Data Lake, SQL, and Synapse
- Real-time project implementation

## 3. Target Audience

- Data Engineers
- ETL Developers
- Business Intelligence Professionals
- Cloud Engineers
- IT Professionals looking to upskill in Azure
- Freshers interested in data integration careers

## 4. Pre-Requisites

- Basic knowledge of databases (SQL)
- Understanding of data warehousing concepts
- Familiarity with cloud computing (preferred but not mandatory)
- Basic programming knowledge is an added advantage

## 5. Course Content

- Introduction to Azure Data Factory
- ADF Architecture & Components
- Creating Pipelines and Activities
- Data Movement & Transformation
- Integration Runtime
- Triggers and Scheduling
- Monitoring & Debugging
- Security & Access Management
- Working with Azure Data Lake & SQL Database
- Real-Time Use Cases & Projects