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ADF Course Content

- Creating an Azure Data Factory Instance
- Get Started in Azure
- Create a Free Azure Account
- Explore the Azure Portal
- Create a Resource Group
- Create an Azure Data Factory
- Explore the Azure Data Factory User Experience
- Navigation Header Bar
- Navigation Sidebar
- Link to a Git Repository
- Create a Git Repository in Azure Repos
- Link the Data Factory to the Git Repository
- The ADF UX as a Web-Based IDE
- Introduction
- Work with Azure Storage
- Create an Azure Storage Account
- Explore Azure Storage
- Upload Sample Data
- Use the Copy Data Tool
- Explore Your Pipeline
- Linked Services
- Datasets
- Pipelines
- Activities
- Integration Runtimes
- Factory Resources in Git
- Debug Your Pipeline
- Run the Pipeline in Debug Mode
- Inspect Execution Results

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- The Copy Data Activity
- Prepare an Azure SQL Database
- Create the Database
- Create Database Objects
- Import Structured Data into Azure SQL DB
- Create the Basic Pipeline
- Process Multiple Files
- Truncate Before Load
- Map Source and Sink Schemas
- Create a New Source Dataset
- Create a New Pipeline
- Configure Schema Mapping
- Import Semi-structured Data into Azure SQL DB
- DB
- Create a JSON File Dataset
- Create the Pipeline
- Configure Schema Mapping
- Set the Collection Reference
- The Effect of Schema Drift
- Understanding Type Conversion
- Transform JSON Files into Parquet
- Create a New JSON Dataset
- Create a Parquet Dataset
- Create and Run the Transformation Pipeline
- Performance Settings
- Data Integration Unit
- Degree of Copy Parallelism
- Azure Data Factory User Experience (ADF UX)
- Explore the Expression Builder

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System Variables

- Use
- Enable Storage of Audit Information
- Create a New Pipeline
- Add New Source Columns
- Run the Pipeline
- Access Activity Run Properties
- Create Database Objects
- Add Stored Procedure Activity
- Run the Pipeline
- Use the Lookup Activity
- Create Database Objects
- Configure the Lookup Activity
- Use Breakpoints
- Use the Lookup Value
- Update the Stored Procedure Activity
- Run the Pipeline
- User Variables
- Create a Variable
- Set a Variable
- Use the Variable
- Array Variables
- Concatenate Strings
- Infix Operators
- String Interpolation
- Escaping @
- Set Up an Azure Key Vault
- Create a Key Vault
- Create a Key Vault Secret
- Grant Access to the Key Vault
- Create a Key Vault ADF Linked Service
- Create a New Storage Account Linked

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➤ Service

- Use Dataset Parameters
- Create a Parameterized Dataset
- Use the Parameterized Dataset
- Reuse the Parameterized Dataset
- Use Linked Service Parameters
- Create a Parameterized Linked Service
- Increase Dataset Reusability
- Use the New Dataset
- Why Parameterize Linked Services?
- Use Pipeline Parameters
- Create a Parameterized Pipeline
- Run the Parameterized Pipeline
- Use the Execute Pipeline Activity
- Parallel Execution
- Global Parameters
- Controlling Flow
- Create a Per-File Pipeline
- Use Activity Dependency Conditions
- Explore Dependency Condition Interactions
- Understand Pipeline Outcome
- Raise Errors
- Use Conditional Activities
- Divert Error Rows
- Load Error Rows
- Understand the Switch Activity
- Use Iteration Activities
- Use the Get Metadata Activity
- Use the ForEach Activity
- Ensure Parallelizability
- Understand the Until Activity

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- Build a Data Flow
- Enable Data Flow Debugging
- Add a Data Flow Transformations
 - Aggregate Transformation
 - Alter row Transformation
 - Assert Transformation
 - Conditional split Transformation
 - Derived column Transformation
 - External call Transformation
 - Exists Transformation
 - Filter Transformation
 - Flatten Transformation
 - Join Transformation
 - Lookup Transformation
 - New branch Transformation
 - Parse Transformation
 - Pivot Transformation
 - Rank Transformation
 - Select Transformation
 - Sink Transformation
 - Sort Transformation
 - Source Transformation
 - Stringify Transformation
 - Surrogate key Transformation
 - Union Transformation

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· Unpivot

Transformation

· Window Transformation

- Execute the Data Flow
- Azure Integration Runtime
- Inspect the AutoResolveIntegrationRuntime
- Create a New Azure Integration Runtime
- Use the New Azure Integration Runtime
- Self-Hosted Integration Runtime
- Create a Shared Data Factory
- Create a Self-Hosted Integration Runtime
- Link to a Self-Hosted Integration Runtime
- Use the Self-Hosted Integration Runtime
- Azure-SSIS Integration Runtime
- Create an Azure-SSIS Integration Runtime
- Deploy SSIS Packages to the Azure-SSIS IR
- Run an SSIS Package in ADF
- Stop the Azure-SSIS IR