

Azure Data Factory

Course Content:

1. Introduction to Azure Data Factory

- What is Cloud
- Create resource group
- Azure Data Factory UI Walkthrough
- Create Free Azure Subscription

2. Key concepts of Azure Data Factory

- Integration Runtime,
- Linked Services,
- Datasets,
- Activities,
- Pipelines,
- Triggers

3. Variable & Parameters

4. Activities in ADF

i. Move & Transform

- a. Copy Data

ii. Data Flow - Multiple inputs / outputs

- a. Join

- b. Conditional Split

- c. Exists

- d. Union

- e. Lookup

iii. Data Flow - Schema Modifiers

- a. Derived Column

- b. Select

- c. Aggregate

- d. Surrogate Key

- e. Pivot

- f. Unpivot Key

- g. Window

- h. Rank

- i. External Call

- j. Cast

iv. Formatters

- a. Flatten

- b. Parse

c. Stringify

v. **Row Modifier**

a. Filter

b. Sort

c. Alter Row

d. Assert

vi. **Flowlets**

a. Flowlet

vii. **Destination**

a. Sink

5.General

- Append Variable
- Delete
- Execute Pipeline
- Execute SSIS Package
- Fail
- Get Metadata
- Lookup
- Stored Procedure
- Script
- Set Variable
- Validation

- Web

6. Iteration & Conditionals

- Filter
- For Each
- If Condition
- Switch
- Until

7. Databricks

- Notebook
- Jar
- Python
- Job

8. Azure Key Vault

9. Change Data Capture

10. Code Repository

11. Session on Real Time Interview Questions

12. Mini Project on ADF

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