

Task 4: Copy Selective Tables with Selective Columns from One Database to Another: Enable selective data transfer by choosing specific tables and columns to move between databases. This approach supports compliance, reduces data volume, and aligns with business-specific requirements for targeted data migration.

Steps to Implement:

1. Create Linked Services

- Go to ADF Studio > Manage > Linked Services
- Create source and destination linked services (e.g., Azure SQL, MySQL).

2. Create Parameterized Datasets

- Use SQL query in source dataset to select specific columns.

Example: `SELECT Name, Salary FROM Employees`

- Use parameters in sink dataset if copying to multiple destination tables.

3. Build a Pipeline

- Use Lookup activity with list of table names and custom SQL queries.
- Use ForEach to loop through the list.
- Inside ForEach, add Copy Data activity using dynamic query and table name.

4. Publish and Trigger

- Click Publish All.
- Trigger the pipeline manually or using a schedule.

ADF Pipeline Screenshot:

Microsoft Azure

Data Factory > adfcourse-arpit

Search factory and documentation

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DEFAULT DIRECTORY

Validate all

Publish all

Preview experience

Off

Factory Resources

Filter resources by name

Pipelines

CopyPipeline_5i3

getgitdata

getmetadata

parentpipeline

assignment4pipeline

specifictablescopying

sqltosourceCSV

storaeventtriggerpipeline

variablecreationpipeline

Change Data Capture (preview)

Datasets

AzureSqlTable1

csv_source

DelimitedText1

DelimitedText2

DelimitedText3

DelimitedText4

Activities

for

Move and transform

Copy data

Data flow

Iteration & conditionals

ForEach

assignment4pipeline

Validate

Debug

Add trigger

Lookup

Lookup1

ForEach

ForEach1

Activities

No activities

General

Settings

Activities (0)

User properties

Name *

ForEach1

Learn more

Description

Activity state

Activated

Deactivated

