

- **Task 3:** Copy All Tables from One Database to Another: Perform full database replication by dynamically identifying and copying all tables and their data from the source database to the destination. This ensures complete schema and data consistency, aiding in backup, migration, or environment synchronization.

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### Solution :

Step 1: Open azure data factory and open home tab

Step 2: Click on ingest which is used to copy data at **scale once or on a schedule**.

Step 3: Task cadence or task schedule

Step 4: Define source information like linked service and dataset

Step 5: Define Destination(sink) information (linked service and dataset)

Step 6 : Start the pipeline and result files stored in the destination directory.

### Home page :

The screenshot shows the Azure Data Factory Home page for a workspace named 'adfcourse-arpit'. The left sidebar contains navigation links: Home, Author, Monitor, Manage, and Learning Center. The main area features a 'Data factory' header with the workspace name and a 'New' button. Below this are four action cards: 'Ingest' (Copy data at scale once or on a schedule), 'Orchestrate' (Code-free data pipelines), 'Transform data' (Transform your data using data flows), and 'Configure SSIS' (Manage & run your SSIS packages in the cloud). At the bottom, a 'Recent resources' table lists the following:

Name	Type	Last opened by you
storageEventTriggerpipeline	Pipeline	21 minutes ago
sqlsourceCSV	Pipeline	35 minutes ago
DelimitedText1	Dataset	37 minutes ago
getmetadata	Pipeline	4 hours ago
parentpipeline	Pipeline	4 hours ago

Copy Data tool

- ✓ Properties
- 2 Source
- Dataset
- Configuration
- 3 Destination
- 4 Settings
- 5 Review and finish

Source data store

Specify the source data store for the copy task. You can use an existing data store connection or specify a new data store.

Source type Azure SQL Database

Connection \* AzureSqlDatabase1 [Edit](#) [+ New connection](#)

Source ☒ Tables ☐ Query

☐ Show views

Showing 2 out of 2 tables, 0 out of 0 views (2 selected)

<input checked="" type="checkbox"/>	<input type="checkbox"/>	Select all	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	dbo.customers	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	dbo.Employees	

Microsoft Azure | Data Factory | adfcourse-arpit

Search factory and documentation

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DEFAULT DIRECTORY

Copy Data tool

✓ Properties

✓ Source

✓ Destination

✓ Settings

5 Review and finish

• Review

• Deployment

SQL

Azure SQL Database

→

Azure Data Lake Storage Gen2

### Deployment complete

Deployment step	Status
Validating copy runtime environment	✓ Succeeded
> Creating datasets	✓ Succeeded
> Creating pipelines	✓ Succeeded
> Running pipelines	✓ Succeeded

Datasets and pipelines have been created. You can now monitor and edit the copy pipelines or click finish to close Copy Data Tool.

Finish

Edit pipeline

Monitor