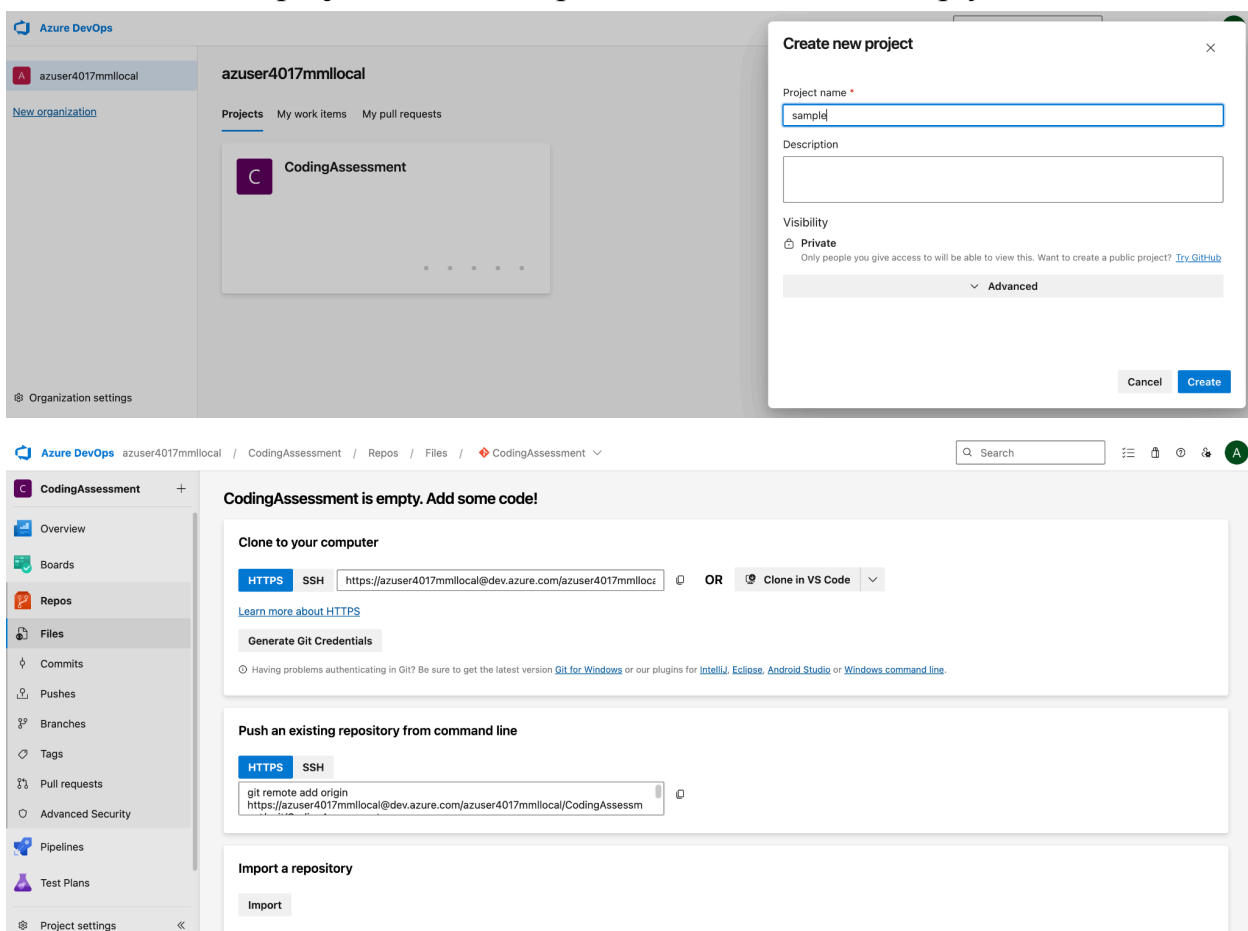


Airflow & Azure DevOps Coding Assessment

By Esaq A

1. Create a Repository in Azure DevOps:

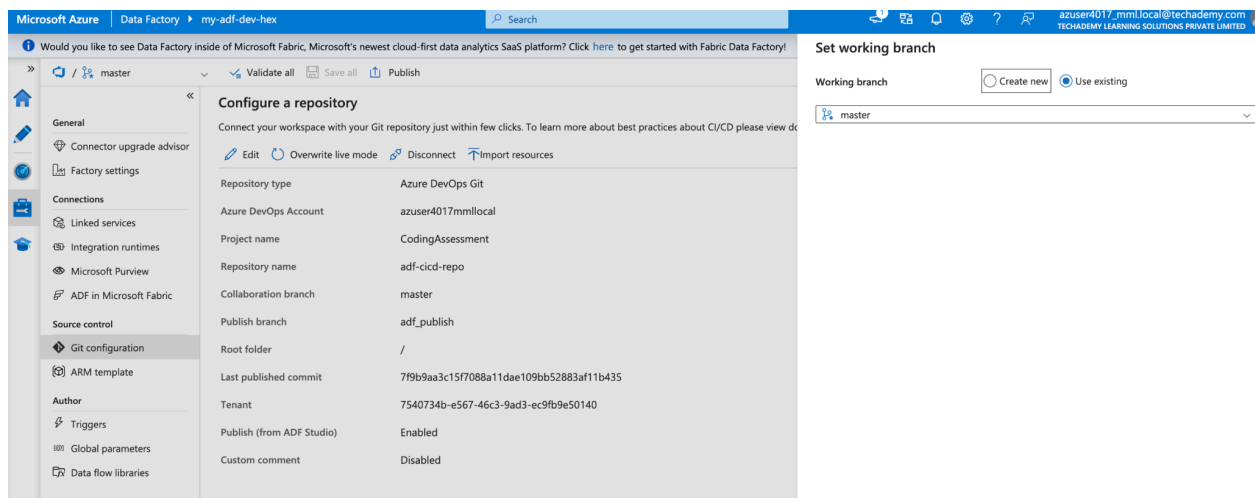
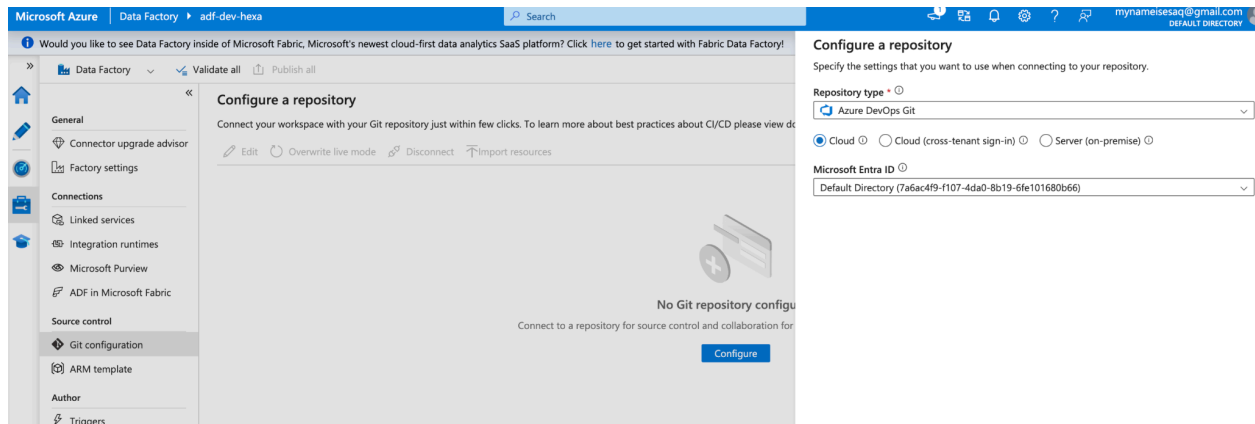
- Open Azure Portal and open Azure DevOps Organization.
- Create an Organization in DevOps with a unique name.
- Now you will be asked to create a project, create it.
- Then in the project, click on repos and create it if it's empty.




2. Connection of Azure Data Factory to the Repo:

- Open Azure Data Factories from Azure Portal
- Create an ADF instance and Launch it.
- Now go to Manage from the left-side panel, select Git Configuration under Source control

- Select the repository type as Azure DevOps Git, and other details according to your organization, project and repos and Apply.
- Now the connection of ADF and Azure Devops is done.



3. Creating a Pipeline in Azure Data Factory:

- Now in ADF, Author hub from the left side panel (pencil icon )
- Click on + icon and create a pipeline and select databricks notebook from activities.
- Name the notebook, create a databricks linked services using the access token from Databricks settings
- Then select the path of the notebook you want to run. Save, Publish, and Trigger now the pipeline.
- This will commit a pipeline JSON to the repo.

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Publishing completed
Successfully published from collaboration branch

Factory Resources

- Pipelines: 1
 - pipeline1
- Change Data Capture (preview): 0
- Datasets: 0
- Data flows: 0
- Power Query: 0
- Templates: 0

Activities

- Move and transform
- Synapse
- Azure Data Explorer
- Azure Function
- Batch Service
- Databricks
- Data Lake Analytics
- General
- HDInsight
- Iteration & conditionals
- Machine Learning
- Power Query

pipeline1

General Azure Databricks **Settings** User properties

Notebook path *

Base parameters

Append libraries

Notebook: assessmentTest

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Running
Successfully running pipeline1 (Pipeline).
[View pipeline run](#)

Factory Resources

- Pipelines: 1
 - pipeline1
- Change Data Capture (preview): 0
- Datasets: 0
- Data flows: 0
- Power Query: 0
- Templates: 0

Activities

- Move and transform
- Synapse
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pipeline1

General Azure Databricks **Settings** User properties

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- + New

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Notebook: assessmentTest

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Pipeline runs

Triggered Debug

Filter by run ID or name Last 24 hours Pipeline name: All Status: Succeeded Runs: Latest runs Triggered by: All

Showing 1 - 1 items

Pipeline name	Run start	Run end	Duration	Triggered by	Status	Run	Parameters	Annotations
pipeline1	8/29/2025, 1:00:47 PM	8/29/2025, 1:06:33 PM	5m 47s	Manual trigger	Succeeded	Original		

Last refreshed 0 minutes ago