## Overview

This mini project demonstrates how to use **Azure Data Factory (ADF)** to copy CSV files from **GitHub** to **Azure Data Lake Storage (ADLS)**.

* **Source**
  + **GitHub Repository**
* **Destination**
  + **Azure Data Lake Storage (ADLS)**
* **File Format**
  + **CSV**

## Requirements

* Copy a single CSV file from GitHub to ADLS.
* Extend the solution to handle **multiple files** (e.g., 10 CSV files) from GitHub to ADLS.

## Solution Approach

### Prerequisites

* Azure Data Factory (ADF)
* Azure Data Lake Storage (ADLS)
* GitHub Account with access to the required CSV files

### Steps

#### For a Single File:

* Create a **pipeline** in ADF.
* Use **HTTP linked service** to connect to GitHub.
* Use a **Copy Data activity** to transfer the file to ADLS.

*For Multiple Files (e.g., 10 Files):*

* Maintain a list of file names (e.g., in a parameterized dataset or JSON array).
* Use a **ForEach activity** in the ADF pipeline to iterate through the list.
* Within each iteration, use a **Copy Data activity** to fetch and load each file into ADLS.

### Additional Resources

For a detailed walkthrough, please refer to the video tutorial:  
*Link in Google Drive*



