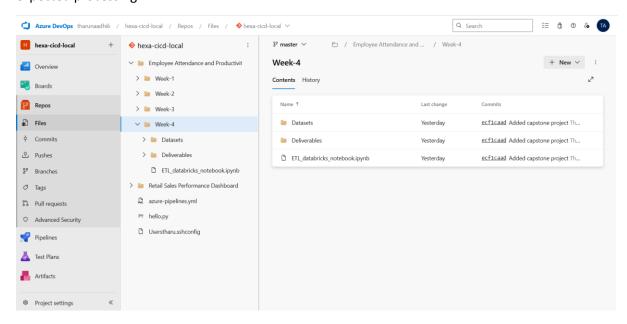
Automation via Azure DevOps

Workflow

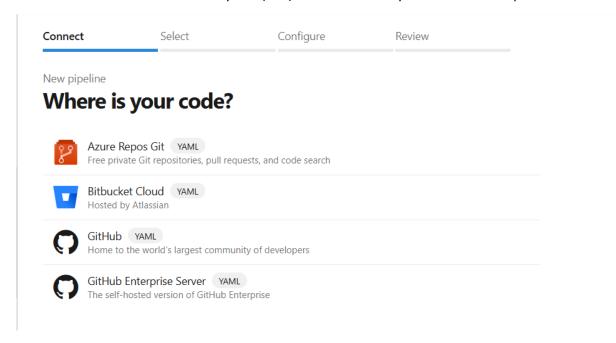
Step-1:

Load the folder or databricks script into repo. Here I have loaded week-4 script which does the expected processing.



Step-2:

Select the Version control system(VCS) to continue. In my case it is Azure Repo Git.



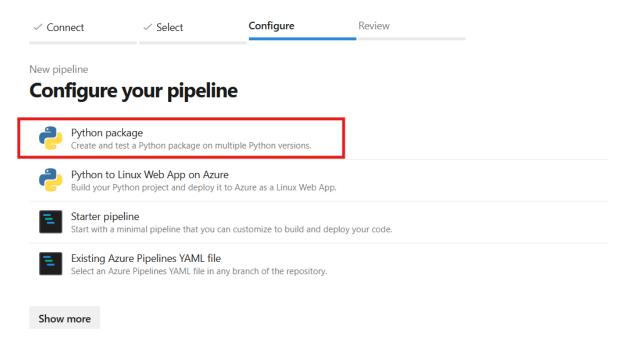
Step-3:

Select the respective repo at which the code, datasets are present. In my case it is present in hexacicd-local.



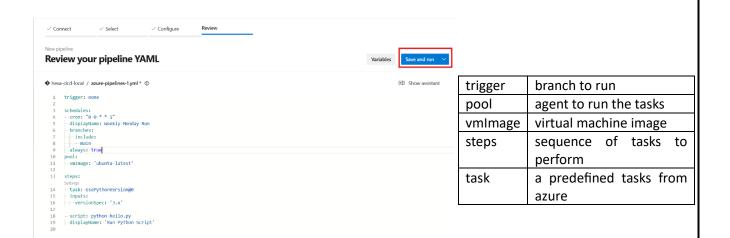
Step-4:

Then select python package to configure the pipeline.



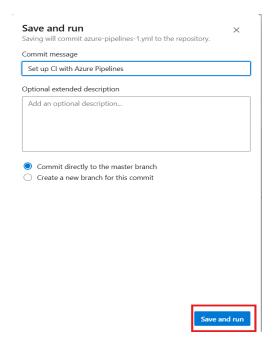
Step-5:

Ensure the YAML file configured properly



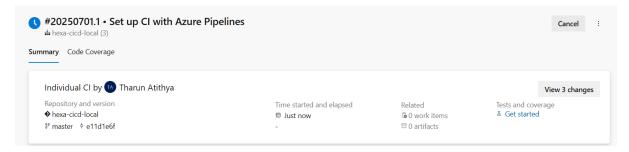
Step-6:

Once all configuration are set then click save and run



Step-7:

And then we can see the summary of the pipeline and it is scheduled to run with the configured agent.



Capstone Tasks

1. Set up a DevOps pipeline to automate weekly processing

Entire workflow defines how to setup a devops pipeline and automate it.

2. Schedule the pipeline to run every Monday

During the YAML configuration in **step-5** we can define the schedule using cron expression

```
1 schedules:
2 - cron: "0 0 * * 1"
3   displayName: Monday Run
4   branches:
5   include:
6   - main
7   always: true
```

3. Output a report with top 5 absentees or lowest performing departments

The ETL_databricks_notebook.ipynb has the operations to report the

1. top 5 abscentees

2. lowest performing departments

Deliverables

YAML file and report file of latest attendance metrics is present in /Deliverables folder pushed into github.