Assignment Azure DevOps – Day 24

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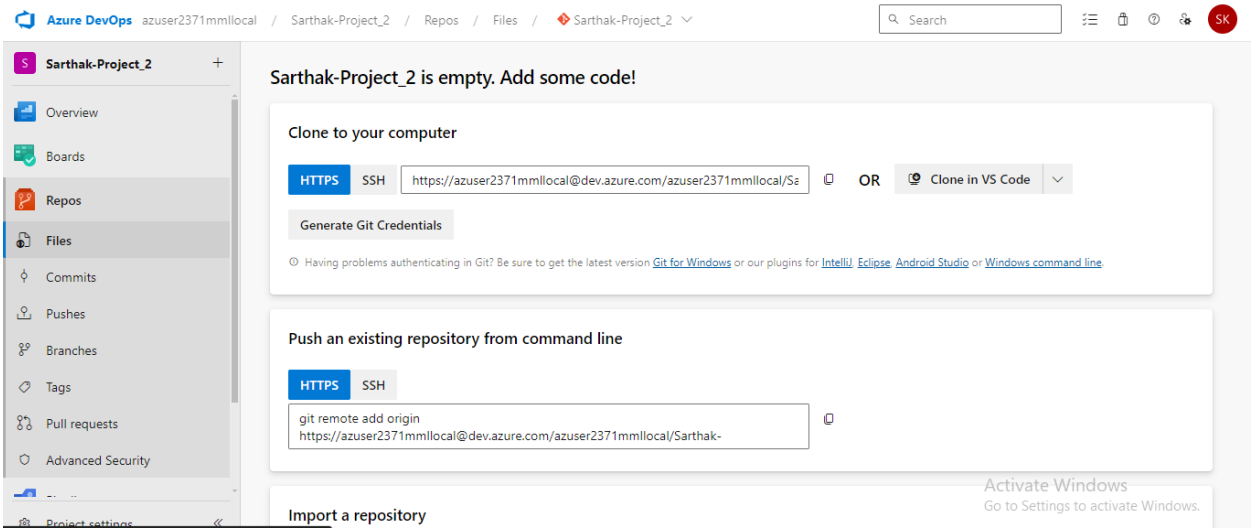
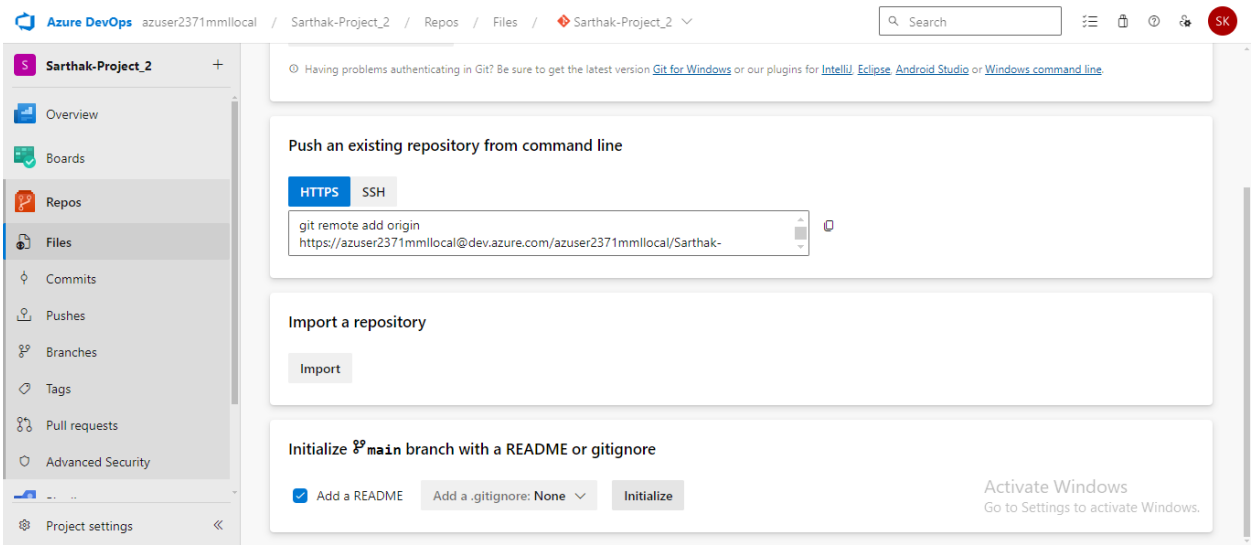
12/12/2024 (Thursday)

Getting used to Azure DevOps

1. Creating New Repo

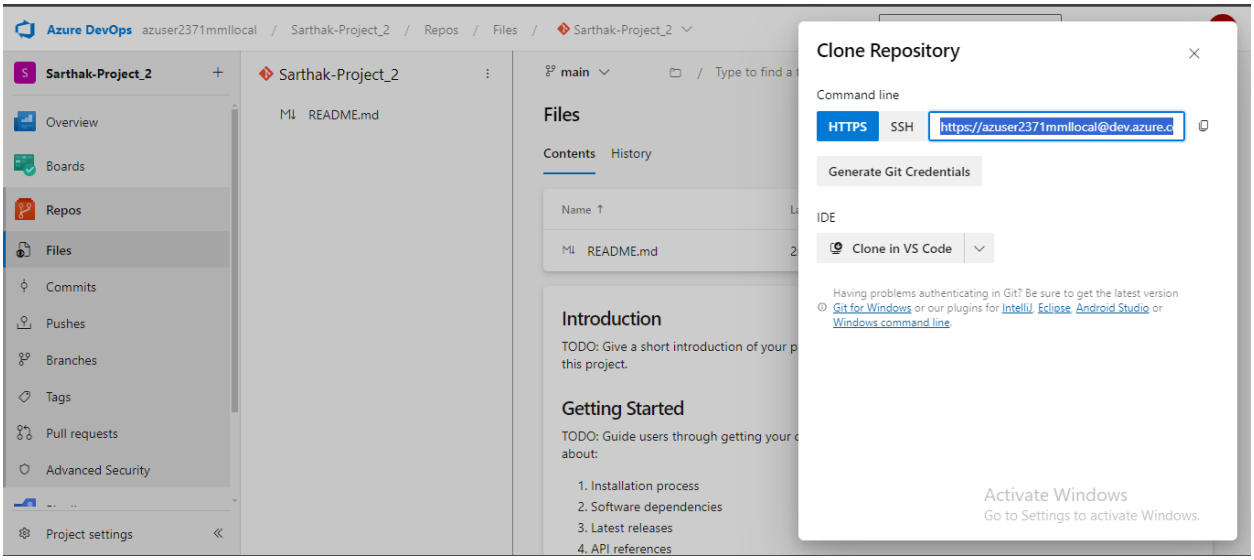
- In left tab go in Repo → Files
- In bottom click on Initialize

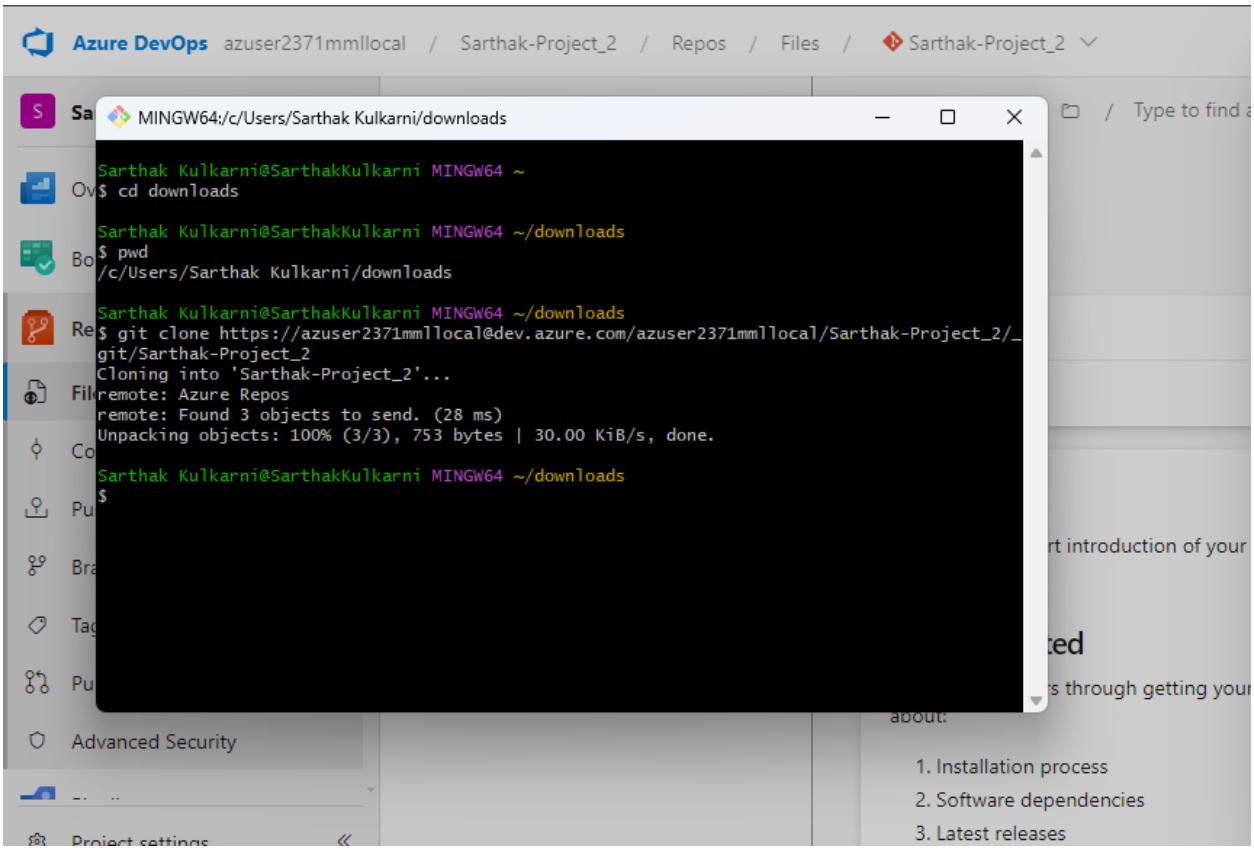




2. Clone it into your local file through GitBash

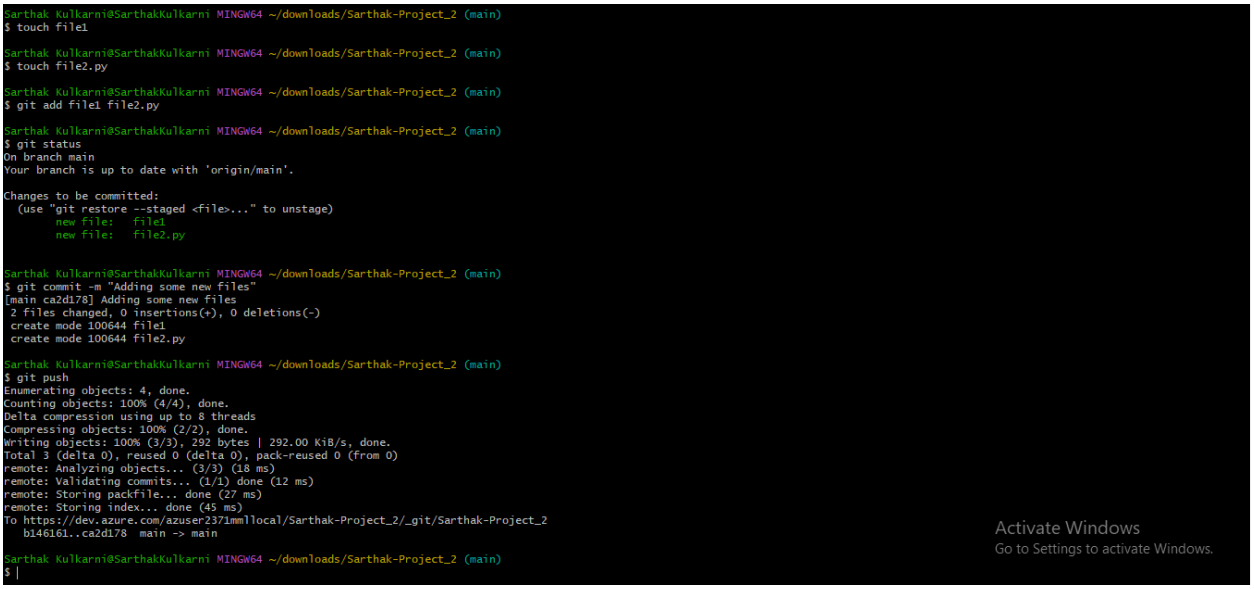
- Click on Clone and copy command line https
- Open Gitbash and go into the directory in which you want to clone
- Type “git clone (command_line_https_url)”

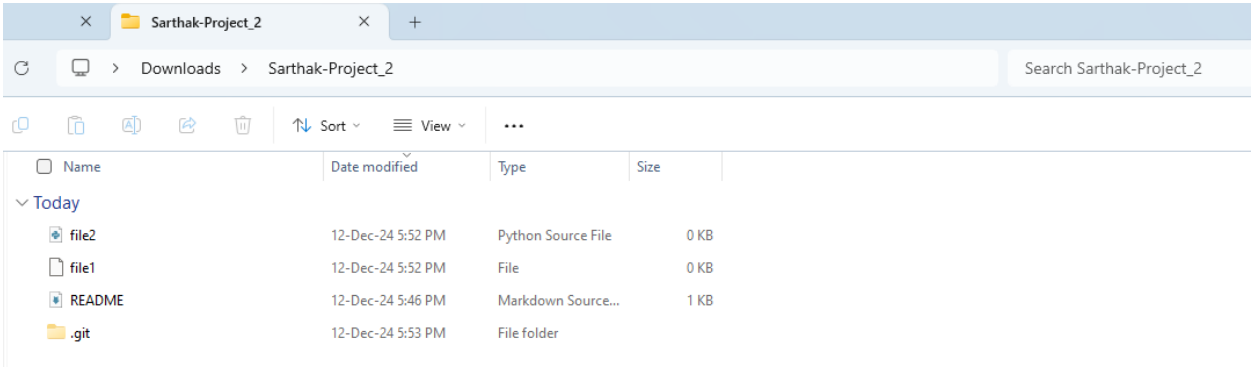


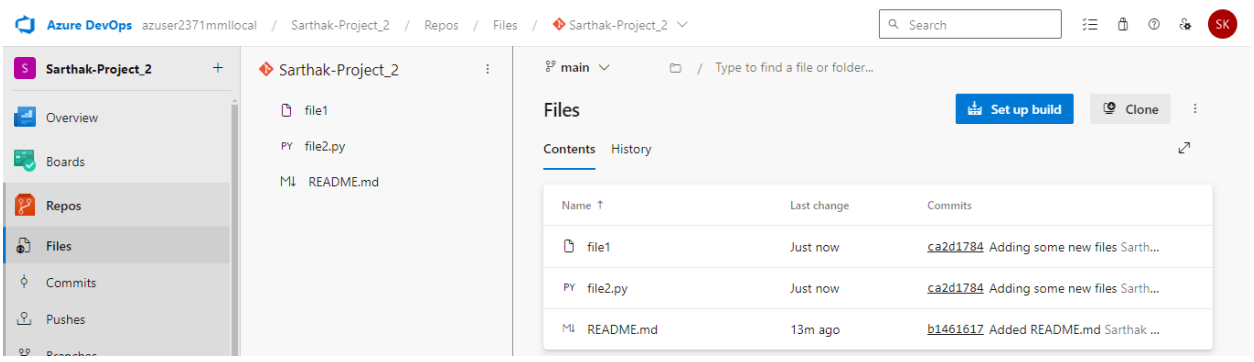


3. Use touch, add, commit and push command in gitbash

- Use **touch** command to create a file1 in repo in local system
- Use **add** command to add all untracked files
- Use **commit** for all the previously added files to be saved
- Use **push** to update all the changes on drive

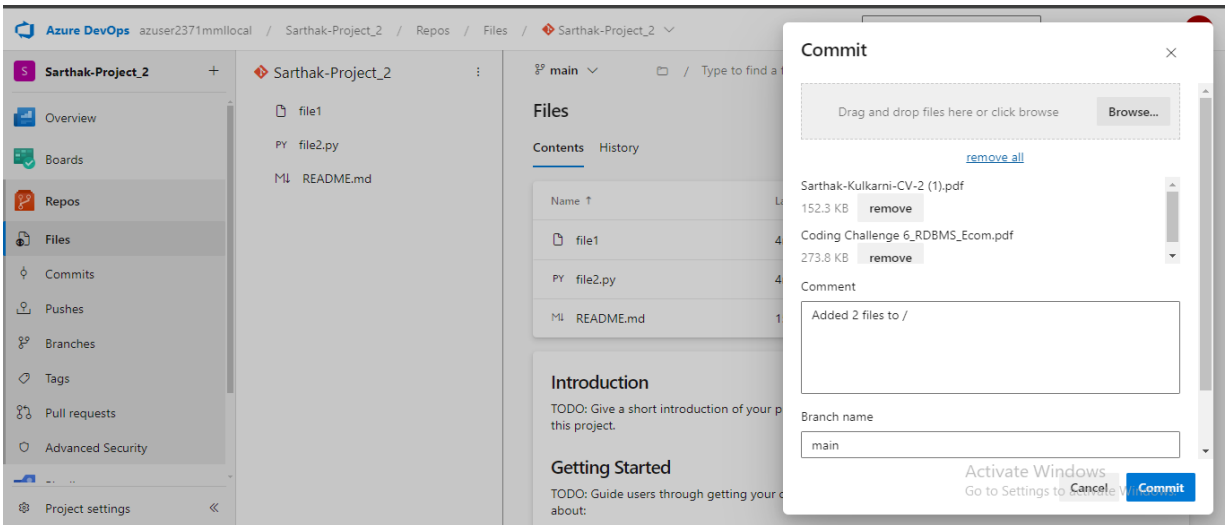




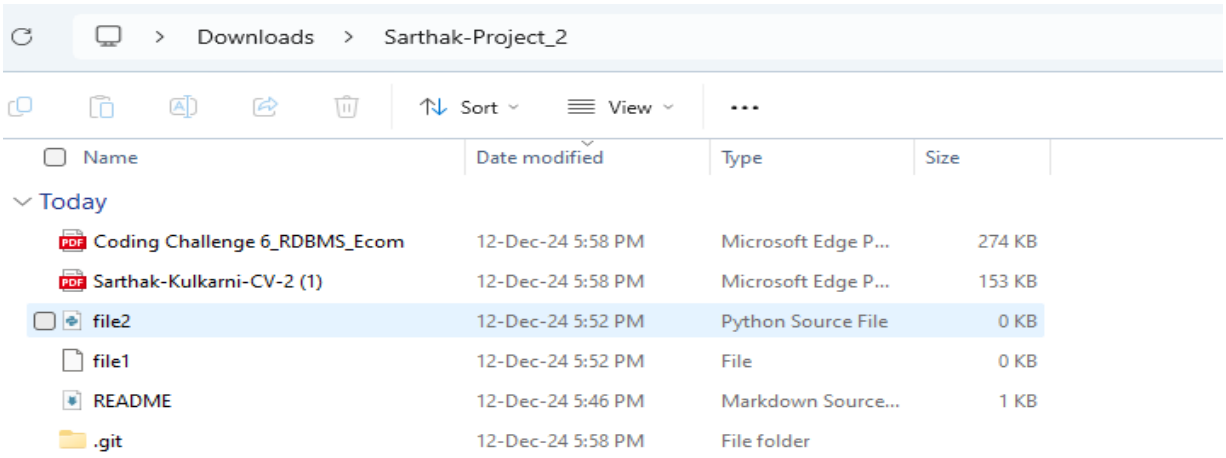


4. Use Pull request to update your local system's repo

- Upload some files into Azure Repo
- Use command "git pull" to load all the changes into your local system

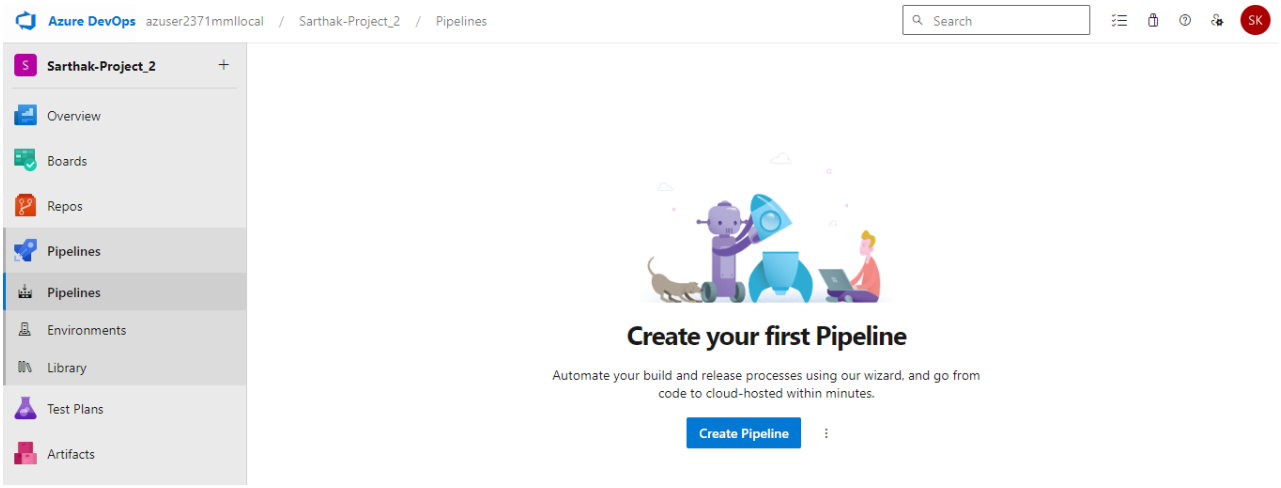


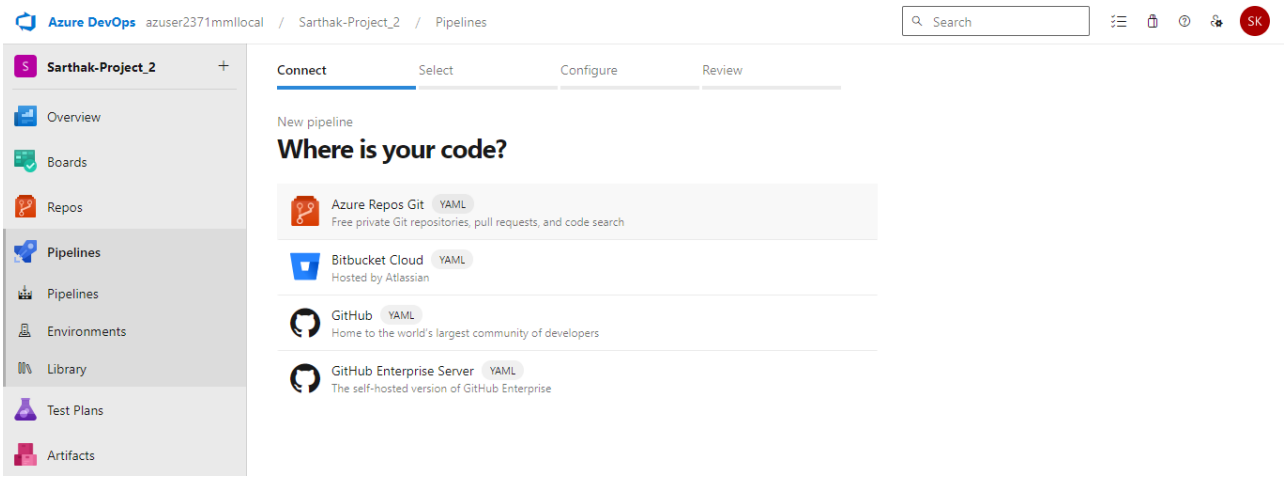

```
Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$ git pull
remote: Azure Repos
remote: Found 4 objects to send. (32 ms)
Unpacking objects: 100% (4/4), 361.70 KiB | 7.70 MiB/s, done.
From https://dev.azure.com/azuser2371mmllocal/Sarthak-Project_2/_git/Sarthak-Project_2
   ca2d178..804ca14  main       -> origin/main
Updating ca2d178..804ca14
Fast-forward
 Coding Challenge 6_RDBMS_Ecom.pdf | Bin 0 -> 280366 bytes
 Sarthak-Kulkarni-CV-2 (1).pdf     | Bin 0 -> 155970 bytes
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Coding Challenge 6_RDBMS_Ecom.pdf
 create mode 100644 Sarthak-Kulkarni-CV-2 (1).pdf

Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$
```

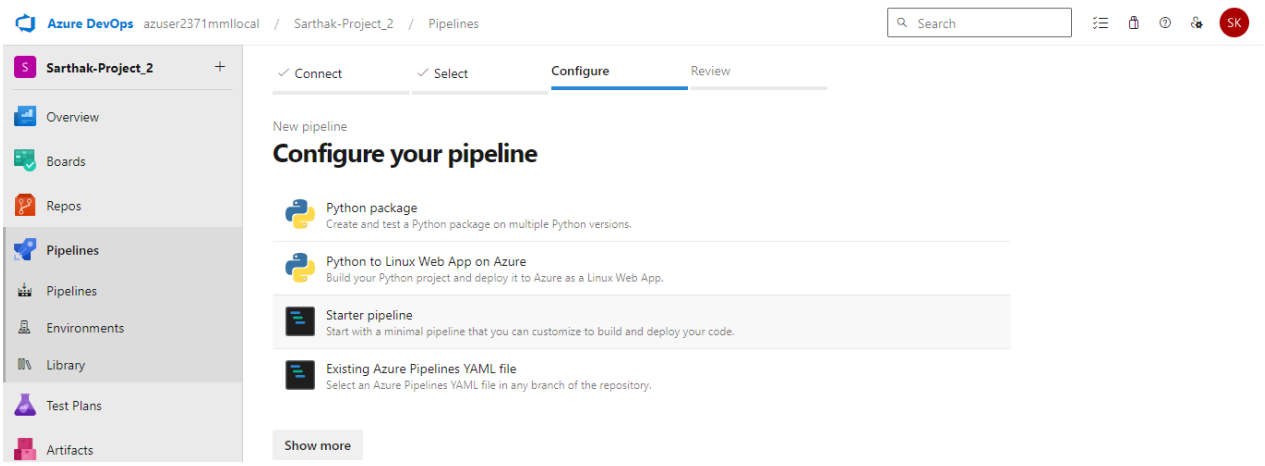


5. Create a sample Pipeline

- In left tab click on **Pipelines** and click on **Create Pipeline.**
- Click **on Azure Repos Git (YAML)** for now.
- Select your package and then choose Starter pipeline in Configuration for now.
- Now review the pipeline and click on **Save and run.**
- Keep your desired setting and click on **Save and run.**
- Pipeline is successfully created and ran.
- For details view **Job.**






Azure DevOps azuser2371mmllocal / Sarthak-Project_2 / Pipelines
Search
SK
Sarthak-Project_2
Overview
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Pipelines
Environments
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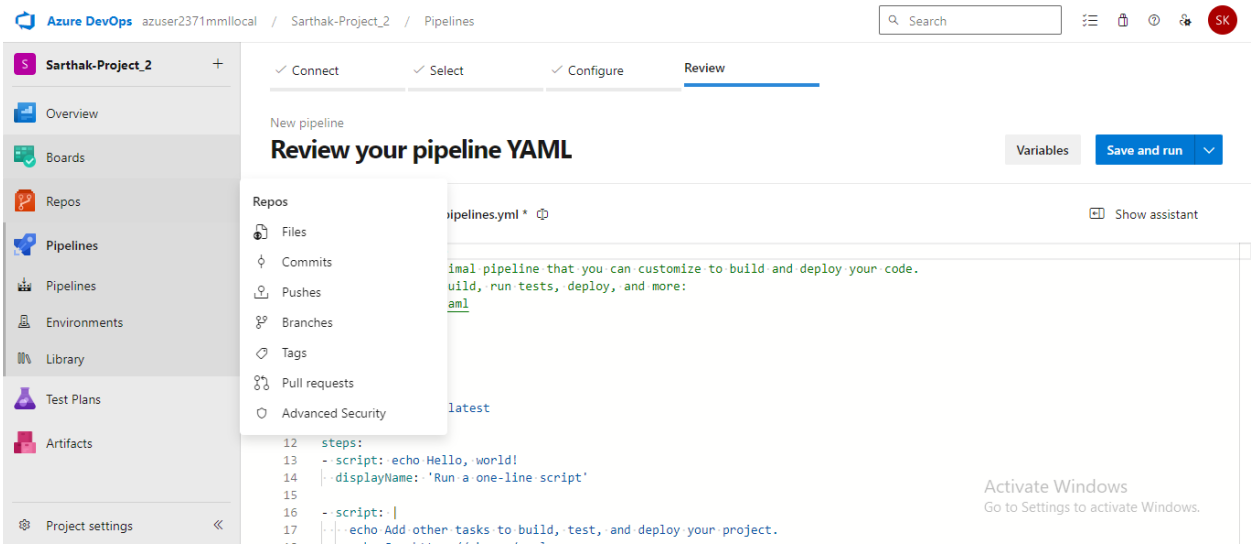
Test Plans
Artifacts
Connect
Select
Configure
Review
New pipeline
Configure your pipeline
Python package
Create and test a Python package on multiple Python versions.
Python to Linux Web App on Azure
Build your Python project and deploy it to Azure as a Linux Web App.
Starter pipeline
Start with a minimal pipeline that you can customize to build and deploy your code.
Existing Azure Pipelines YAML file
Select an Azure Pipelines YAML file in any branch of the repository.
Show more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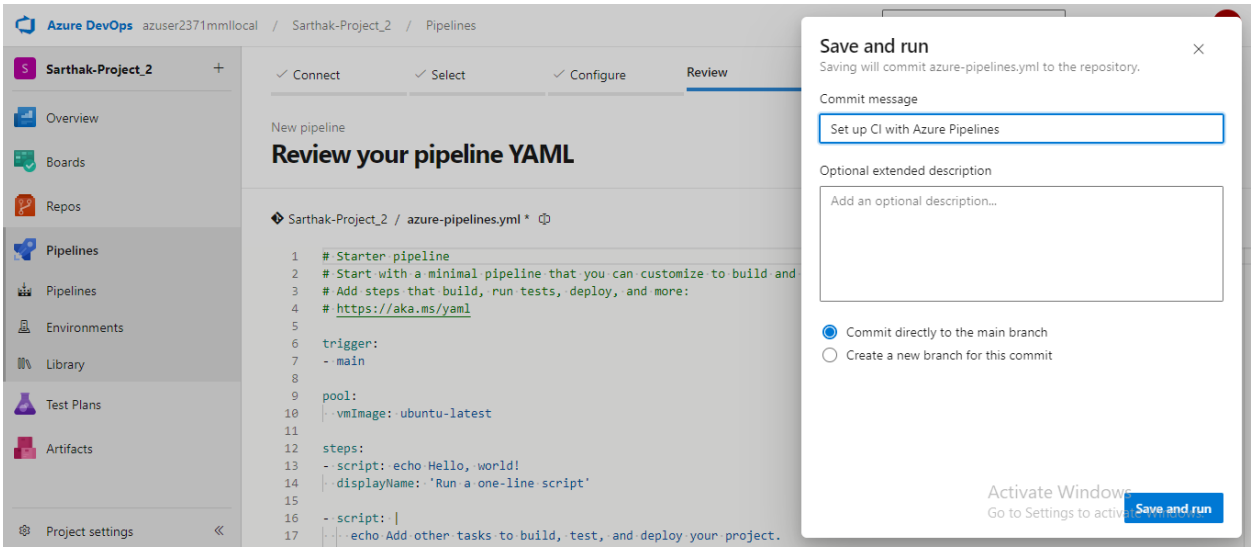
New pipeline
Review your pipeline YAML
Variables
Save and run
Show assistant
Repos
Files
Commits
Pushes
Branches
Tags
Pull requests
Advanced Security
steps:
- script: echo Hello, world!
displayName: 'Run a one-line script'
- script: |
echo Add other tasks to build, test, and deploy your project.
Activate Windows
Go to Settings to activate Windows.


Azure DevOps azuser2371mmllocal / Sarthak-Project_2 / Pipelines
Sarthak-Project_2
Overview
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Pipelines
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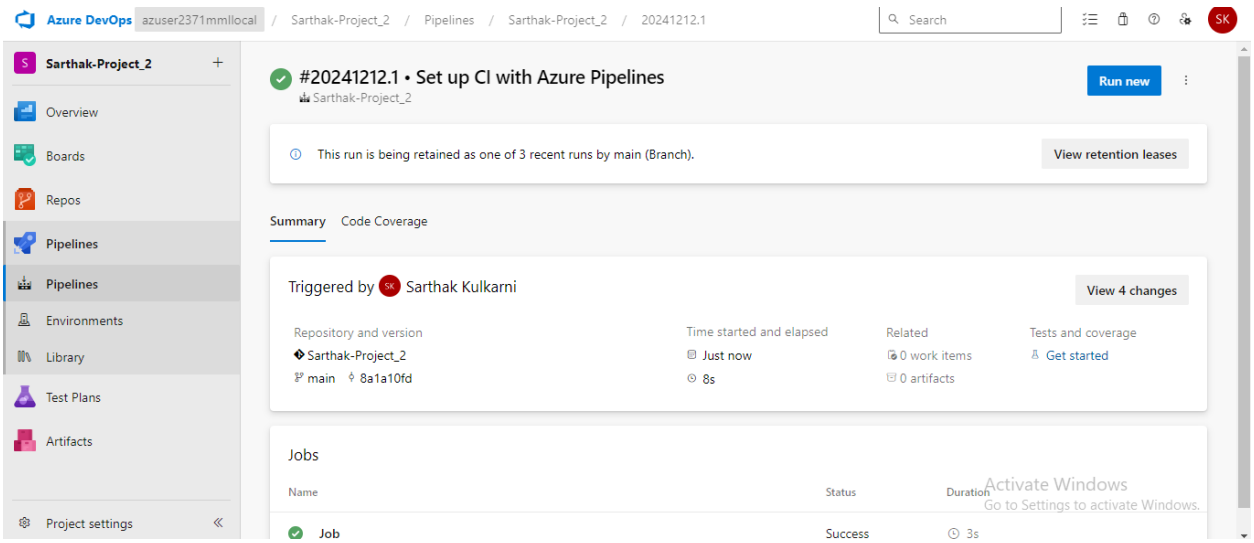
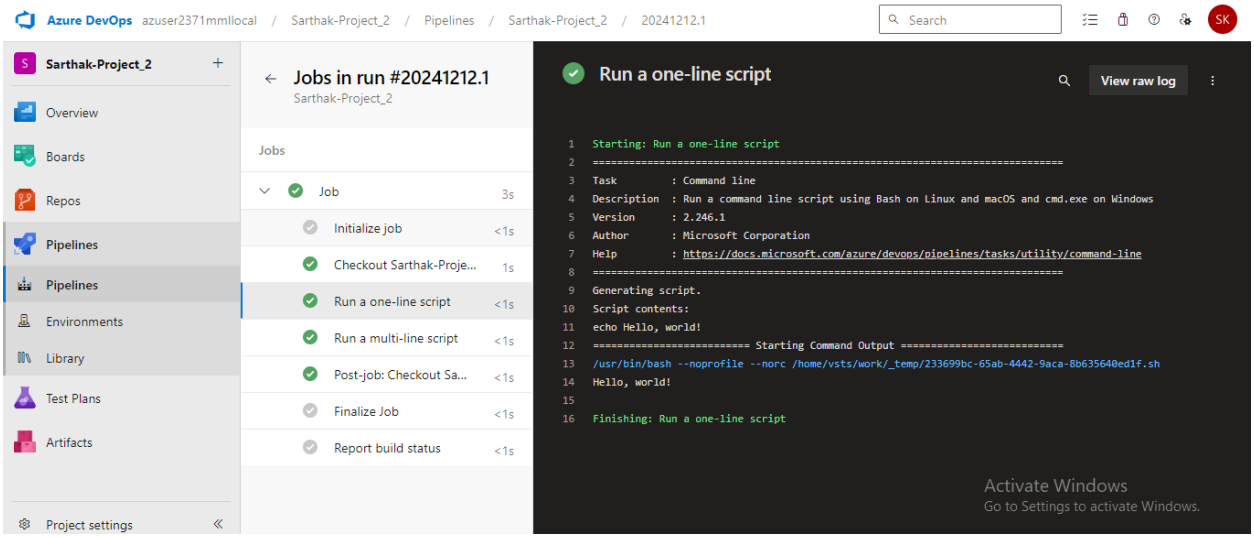
Library
Test Plans
Artifacts
Project settings
Connect
Select
Configure
Review
New pipeline
Review your pipeline YAML
Sarthak-Project_2 / azure-pipelines.yml *
Starter pipeline
Start with a minimal pipeline that you can customize to build and
Add steps that build, run tests, deploy, and more:
https://aka.ms/yaml
trigger:
- main
pool:
vmImage: ubuntu-latest
steps:
- script: echo Hello, world!
displayName: 'Run a one-line script'
- script: |
echo Add other tasks to build, test, and deploy your project.
Save and run
Saving will commit azure-pipelines.yml to the repository.
Commit message
Set up CI with Azure Pipelines
Optional extended description
Add an optional description...
Commit directly to the main branch
Create a new branch for this commit
Save and run
Activate Windows
Go to Settings to activate Windows.





Azure DevOps Summary

1. Repos

Azure DevOps Repos is a Git repository hosting solution that allows you to store, version control, and manage your code collaboratively. It supports branching, pull requests, and code reviews, enabling teams to streamline their development workflows.

2. Pipelines

Azure DevOps Pipelines is a CI/CD service that automates building, testing, and deploying applications across platforms. It integrates with various tools and supports YAML-based configuration, enabling consistent and repeatable delivery pipelines.