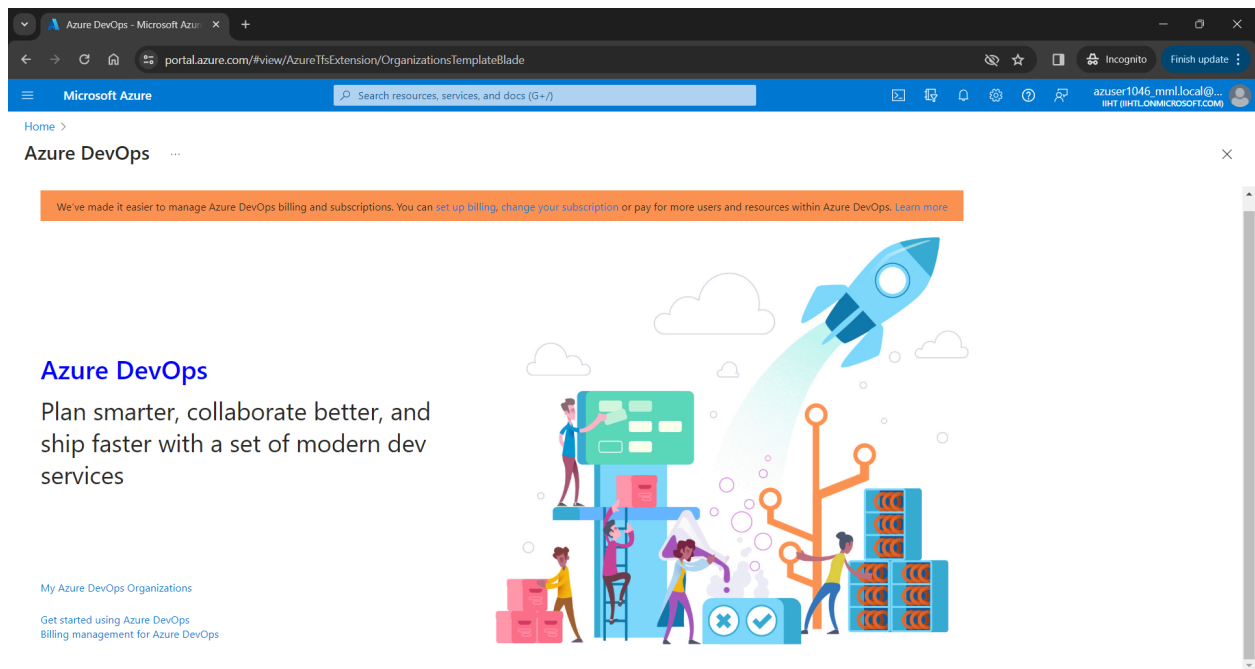


Create Azure DevOps Environment and configure Azure DevOps Git Repository , configure on your local git to implement this upload few test files on the same.

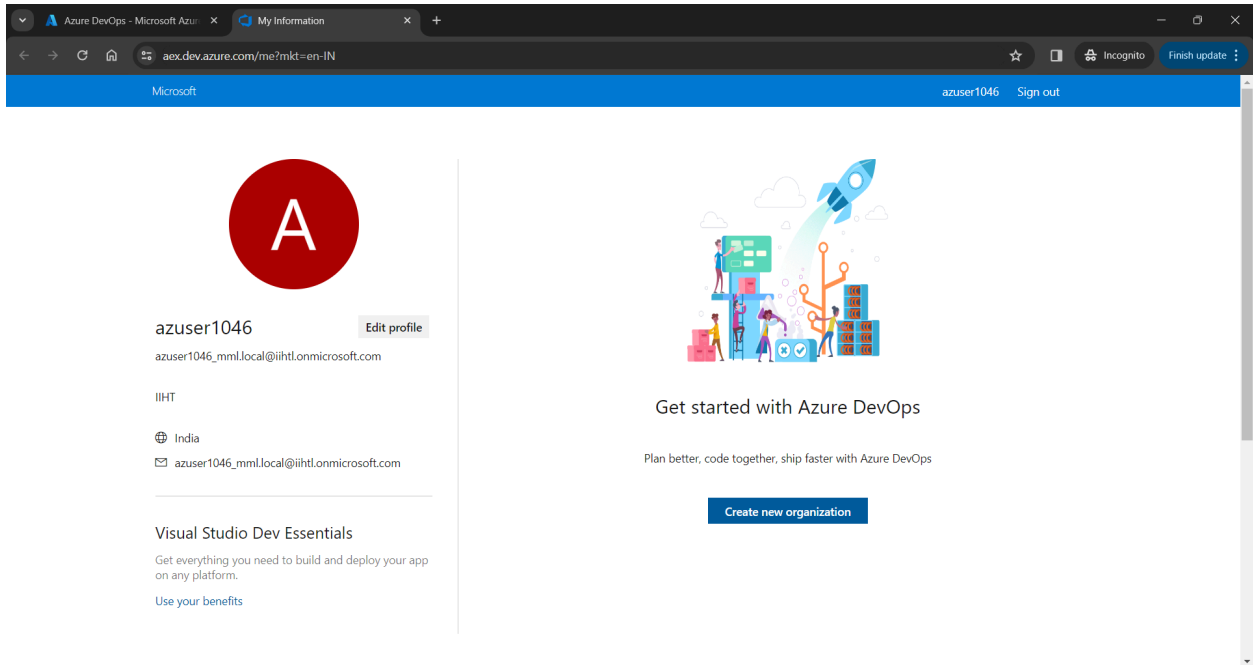
To create an Azure DevOps environment and configure a Git repository, follow these steps:

- Create an Azure DevOps Organization
- Create a Project
- Set Up Git Repository
- Clone Repository Locally
- Configure Local Git
- Add and Push Files

Search Azure DevOps Organization in Microsoft Azure portal and click on My Azure DevOps Organization



Click on create new Organization



Microsoft azuser1046 Sign out

A

azuser1046 [Edit profile](#)

azuser1046_mml.local@iihtl.onmicrosoft.com

IIHT

India

azuser1046_mml.local@iihtl.onmicrosoft.com

Visual Studio Dev Essentials

Get everything you need to build and deploy your app on any platform.

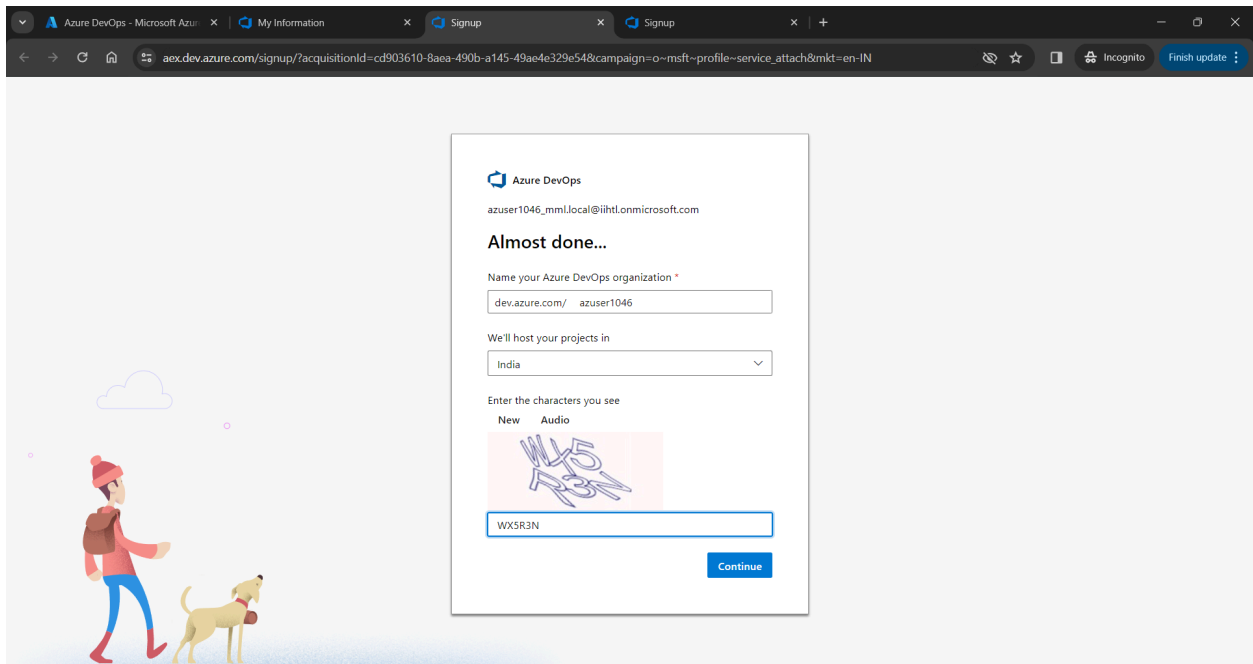
[Use your benefits](#)

Get started with Azure DevOps

Plan better, code together, ship faster with Azure DevOps

[Create new organization](#)

Name your Organization



Azure DevOps

azuser1046_mml.local@iihtl.onmicrosoft.com

Almost done...

Name your Azure DevOps organization *

dev.azure.com/ azuser1046

We'll host your projects in

India

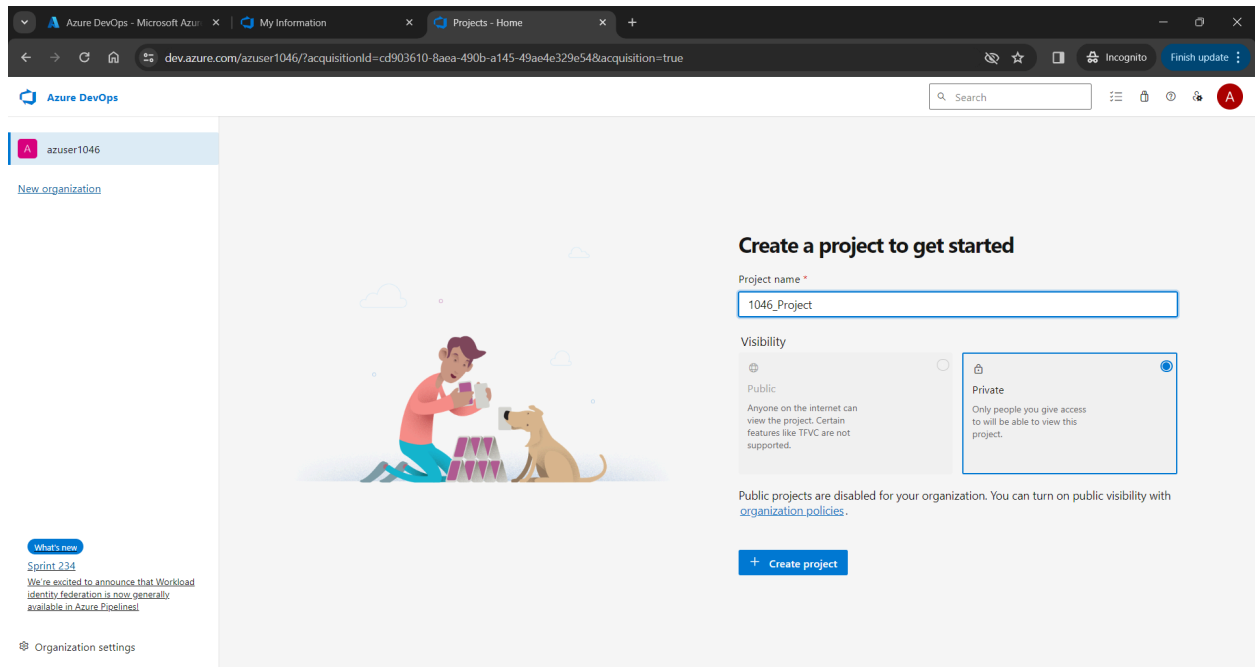
Enter the characters you see

New Audio

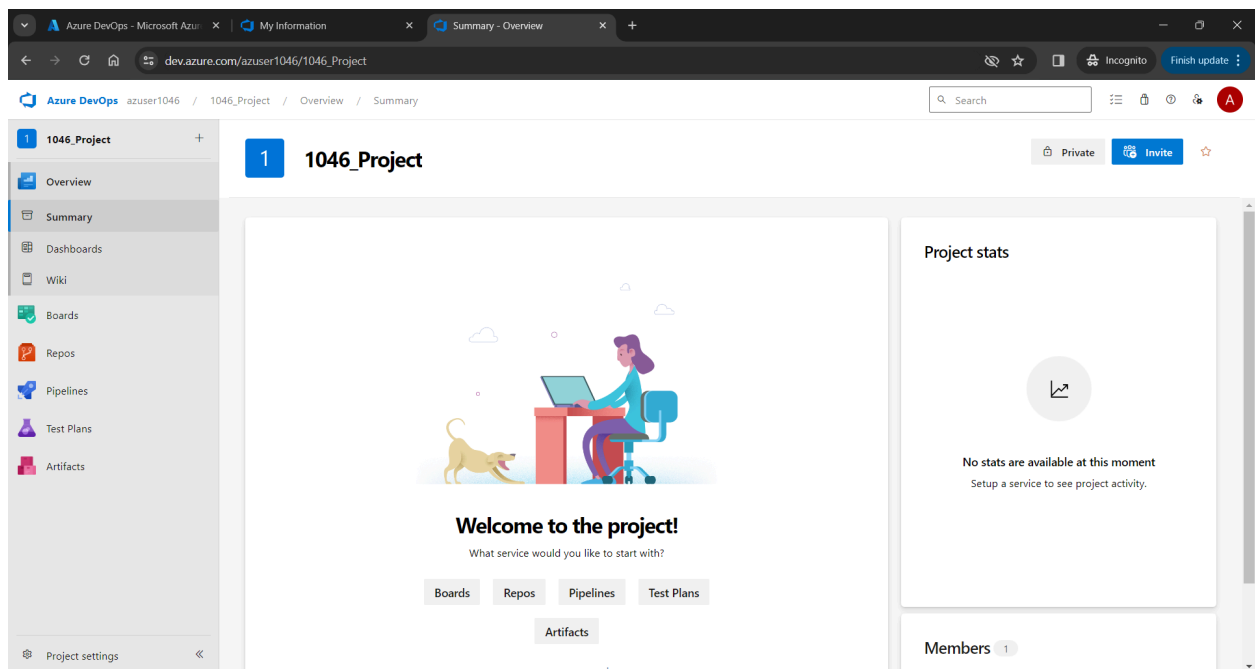
WXSR3N

[Continue](#)

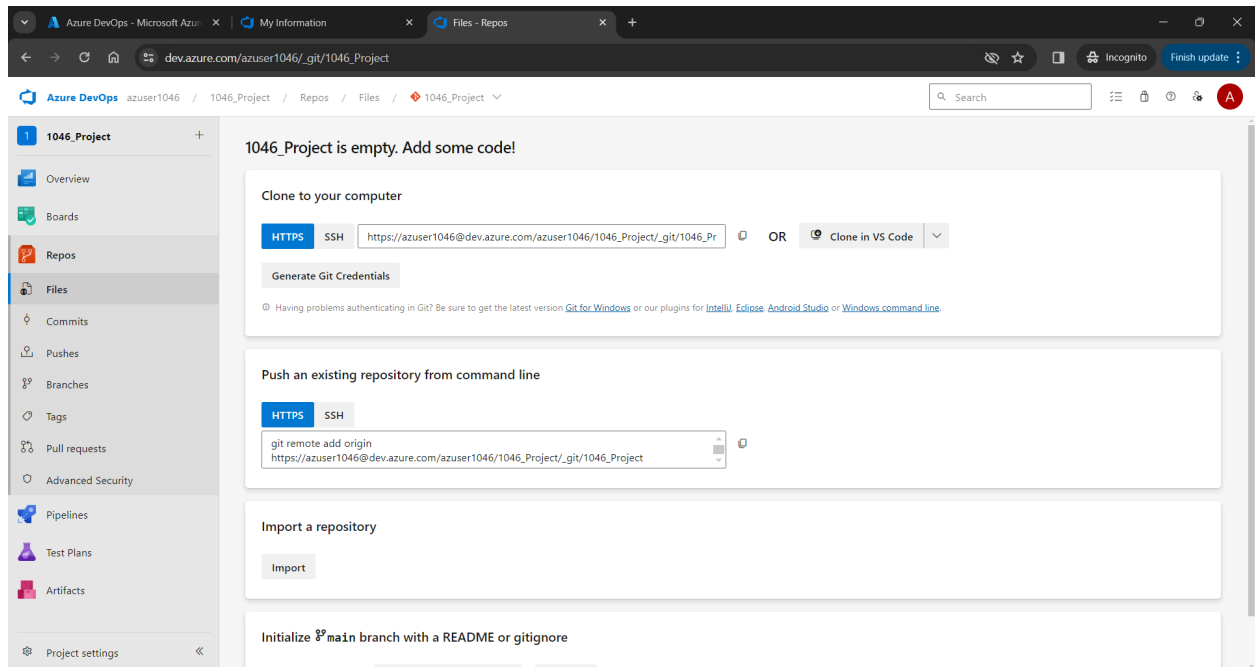
Create a project



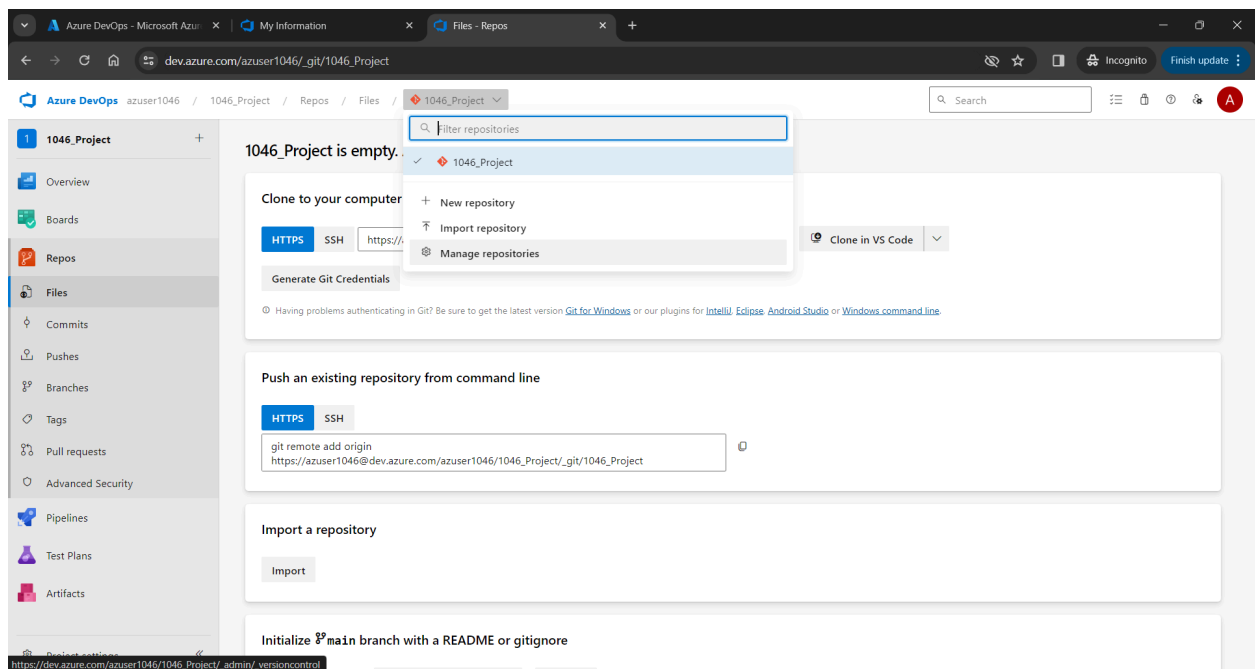
Project Azure DevOps Dashboard



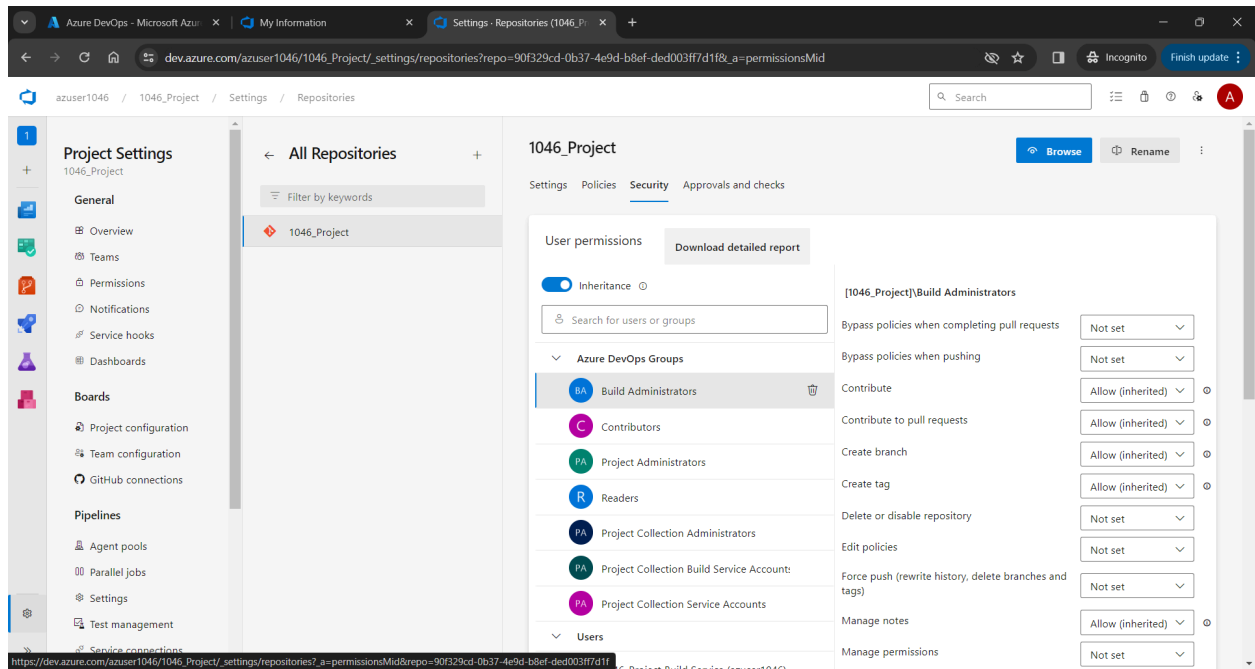
Go to Repos in the sidebar



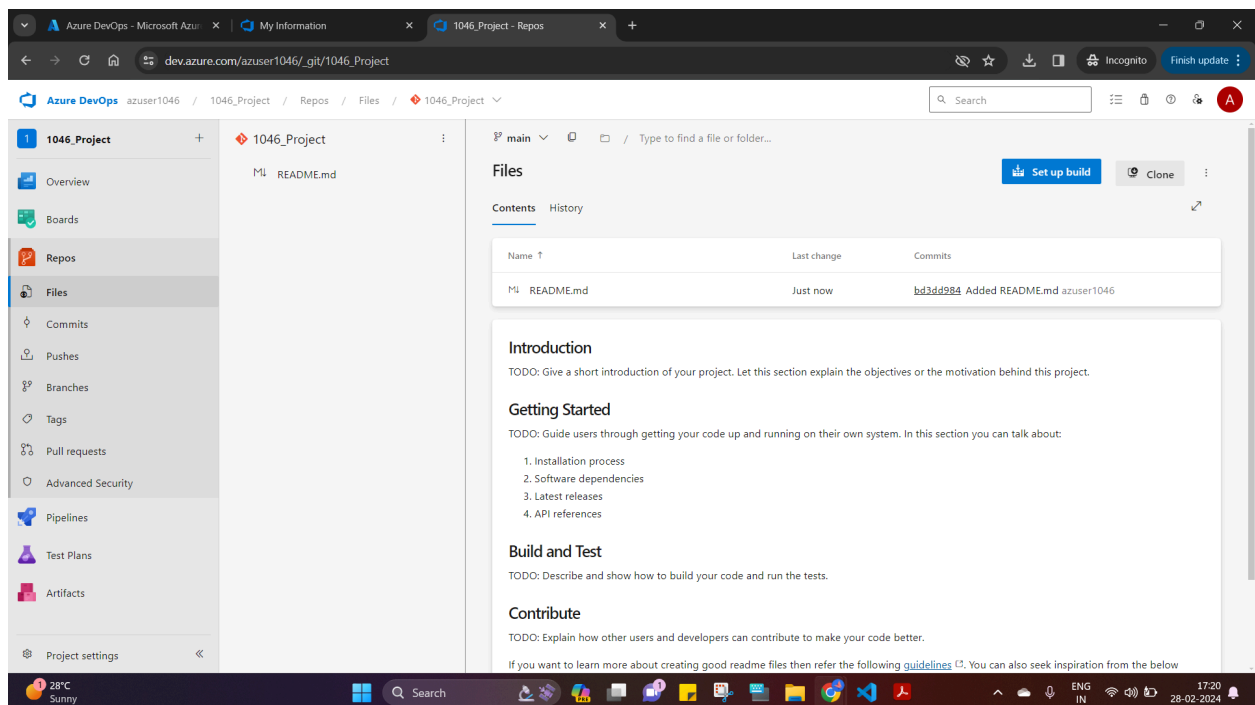
Go to Manage Repositories and configure the settings as required



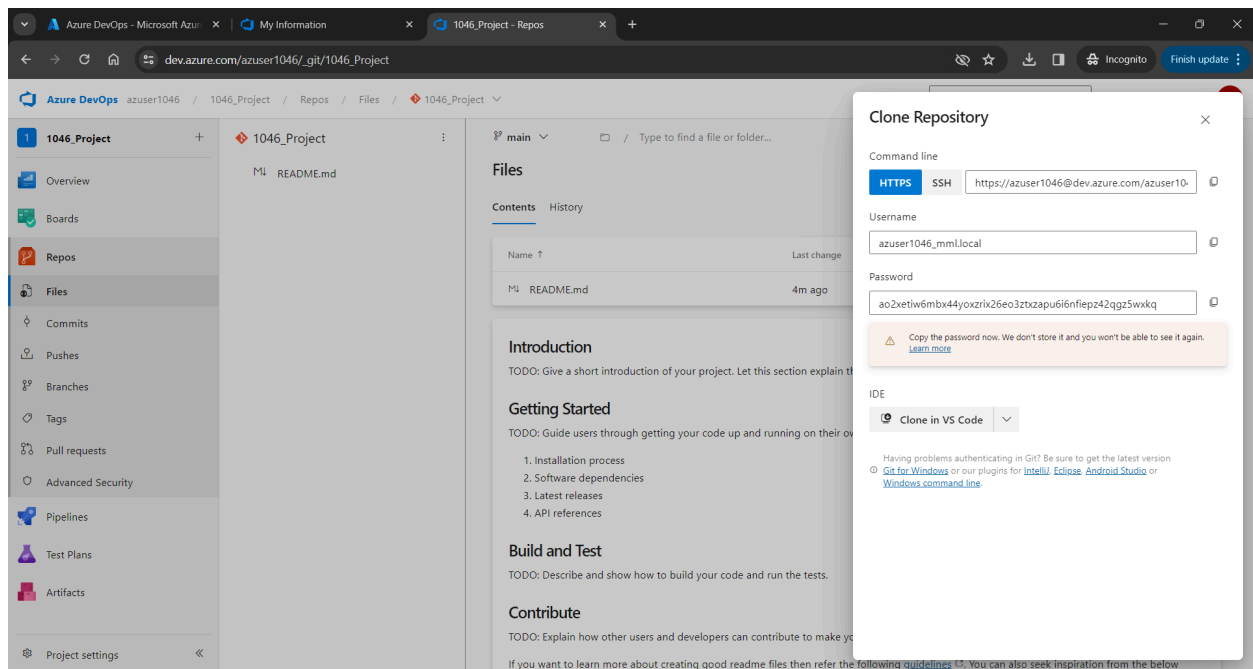
Changes in policies and security can be made as required



Initialized the repository by adding README.md file :



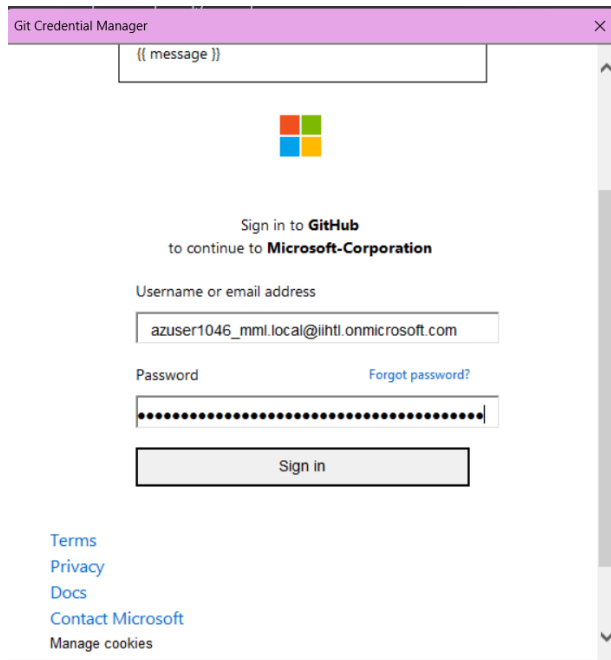
Go to clone and copy the URL to clone the project repository in local



Open Git Bash and navigate to desired directory and paste the URL with git clone command


```
Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos
$ git clone https://azuser1046@dev.azure.com/azuser1046/1046_Project/_git/1046_P
project
Cloning into '1046_Project'...
```

This opens a Git Credential Manager. Copy the username and password and sign in.



Git Credential Manager

{{ message }}

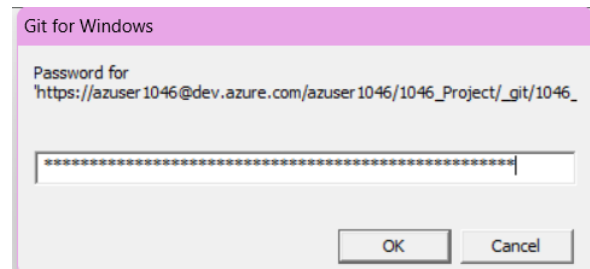


Sign in to **GitHub**
to continue to **Microsoft-Corporation**

Username or email address

Password [Forgot password?](#)

[Terms](#)
[Privacy](#)
[Docs](#)
[Contact Microsoft](#)
[Manage cookies](#)

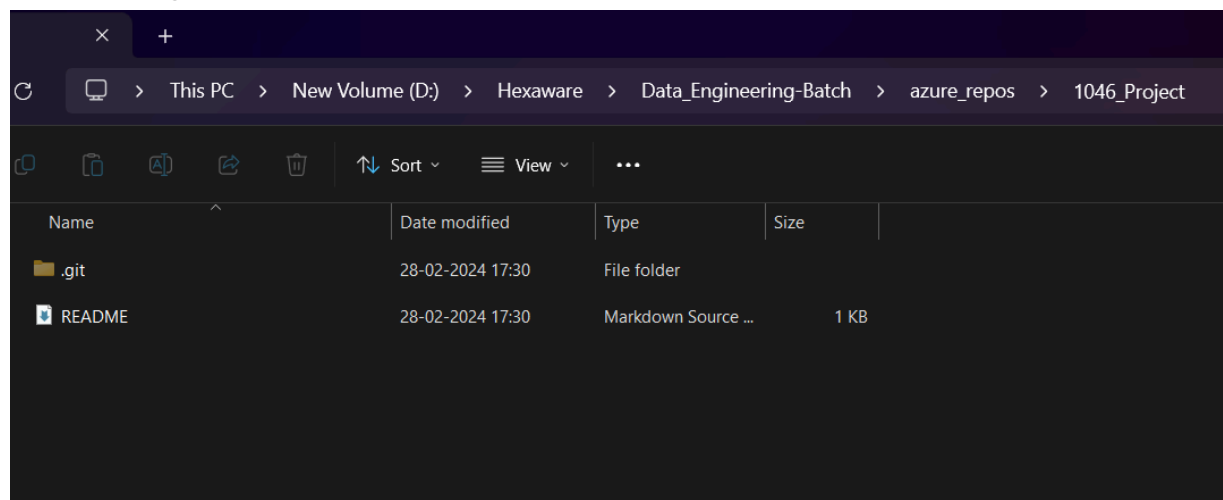


Git for Windows

Password for
`https://azuser1046@dev.azure.com/azuser1046/1046_Project/_git/1046_`

```
Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos
$ git clone https://azuser1046@dev.azure.com/azuser1046/1046_Project/_git/1046_P
roject
Cloning into '1046_Project'...
fatal: User canceled authentication.
remote: Azure Repos
remote: Found 3 objects to send. (21 ms)
Unpacking objects: 100% (3/3), 748 bytes | 53.00 KiB/s, done.
```

Repository cloned in local :



File Explorer path: This PC > New Volume (D:) > Hexaware > Data_Engineering-Batch > azure_repos > 1046_Project

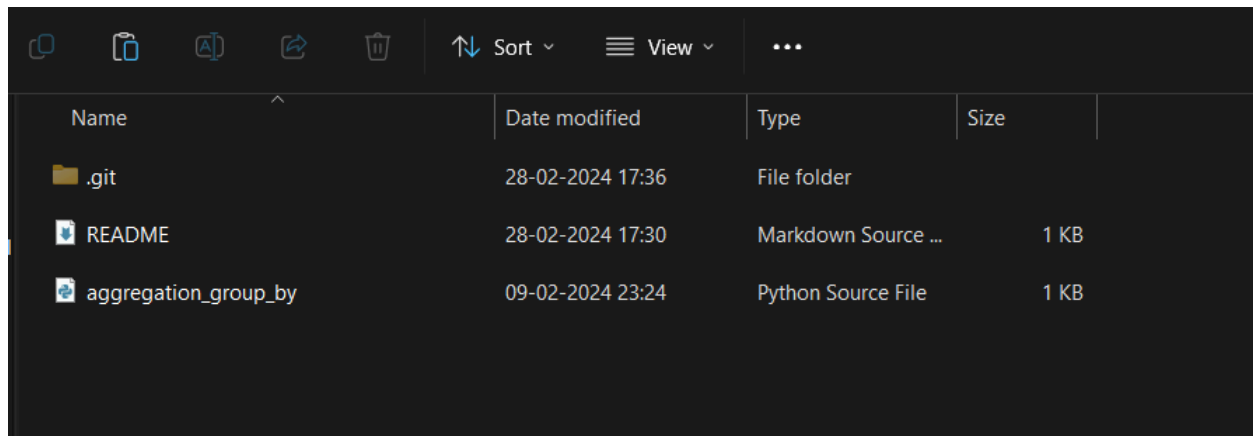
Name	Date modified	Type	Size
.git	28-02-2024 17:30	File folder	
README	28-02-2024 17:30	Markdown Source ...	1 KB

Git status command

```
Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Proj
ect (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

Adding file in local



Name	Date modified	Type	Size
.git	28-02-2024 17:36	File folder	
README	28-02-2024 17:30	Markdown Source ...	1 KB
aggregation_group_by	09-02-2024 23:24	Python Source File	1 KB

Git status shows unstaged changes.

```
Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    aggregation_group_by.py

nothing added to commit but untracked files present (use "git add" to track)
```

Git add command to stage the changes

```
Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (main)
$ git add .

Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

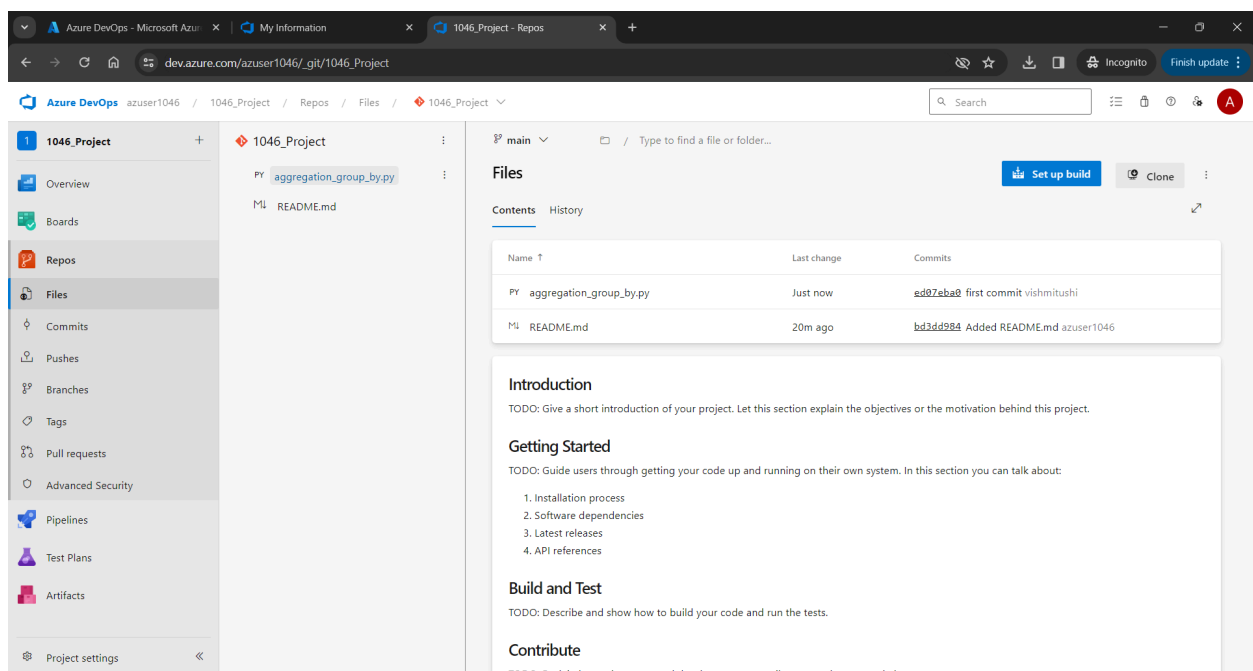
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   aggregation_group_by.py
```


Git commit and push

```
Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (main)
$ git commit -m "first commit"
[main ed07eba] first commit
1 file changed, 15 insertions(+)
create mode 100644 aggregation_group_by.py

Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 585 bytes | 585.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Analyzing objects... (3/3) (6 ms)
remote: Validating commits... (1/1) done (0 ms)
remote: Storing packfile... done (51 ms)
remote: Storing index... done (87 ms)
To https://dev.azure.com/azuser1046/1046_Project/_git/1046_Project
bd3dd98..ed07eba main -> main
```

File got pushed on to the Azure DevOps Repository

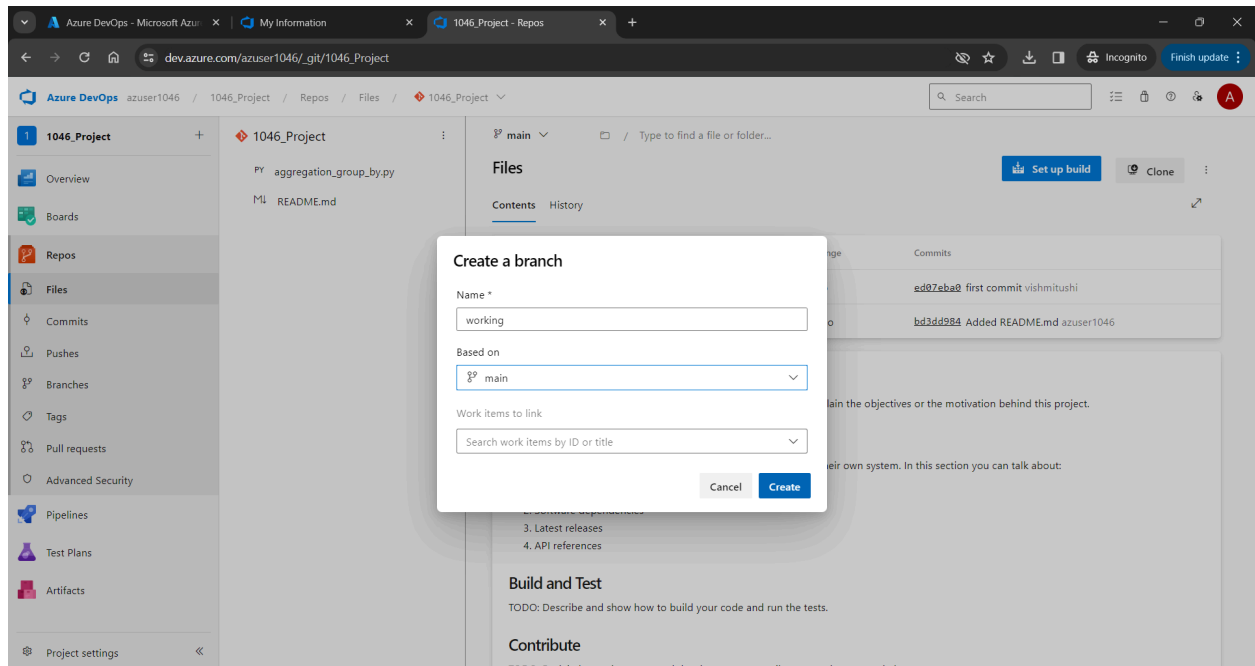
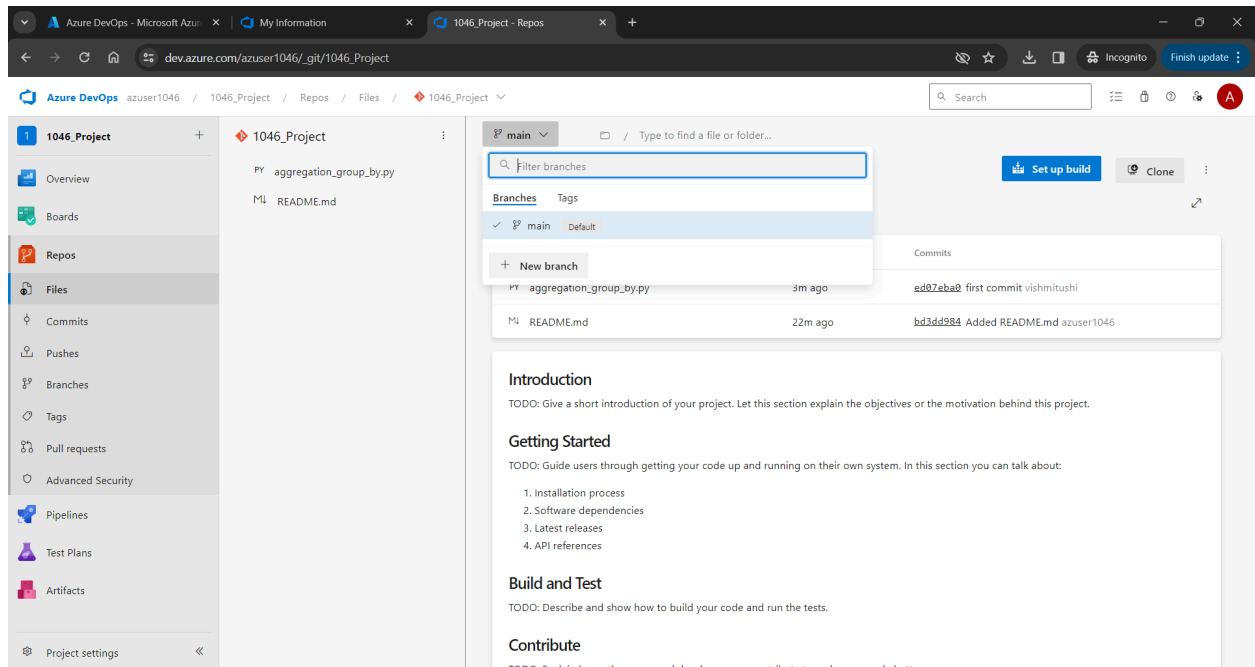


The screenshot shows the Azure DevOps web interface for the '1046_Project' repository. The left sidebar contains a navigation menu with options like Overview, Boards, Repos, Files, Commits, Pushes, Branches, Tags, Pull requests, Advanced Security, Pipelines, Test Plans, Artifacts, and Project settings. The 'Files' section is selected, showing a list of files: 'aggregation_group_by.py' (PY) and 'README.md' (MD). The 'Files' tab is active, displaying a table of commit history for these files.

Name	Last change	Commits
PY aggregation_group_by.py	Just now	ed07eba0 first commit vishmitushi
MD README.md	20m ago	bd3dd984 Added README.md azuser1046

Below the table, there are sections for 'Introduction', 'Getting Started', 'Build and Test', and 'Contribute', each with a 'TODO' placeholder for project documentation.

Creating new branch named working



Git pull to clone new branch on local

```
Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (main)
$ git pull
From https://dev.azure.com/azuser1046/1046_Project/_git/1046_Project
* [new branch]      working    -> origin/working
Already up to date.
```

Git checkout new_branch_name will switch to new branch

```
Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (main)
$ git checkout working
Switched to a new branch 'working'
branch 'working' set up to track 'origin/working'.

Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (working)
$ |
```

Add file locally to working branch

Name	Date modified	Type	Size
.git	28-02-2024 17:44	File folder	
README	28-02-2024 17:30	Markdown Source ...	1 KB
aggregation_group_by	09-02-2024 23:24	Python Source File	1 KB
csv_reader	09-02-2024 23:24	Python Source File	1 KB

Git add, commit and push in working branch

```
Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (working)
$ git status
On branch working
Your branch is up to date with 'origin/working'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
      csv_reader.py

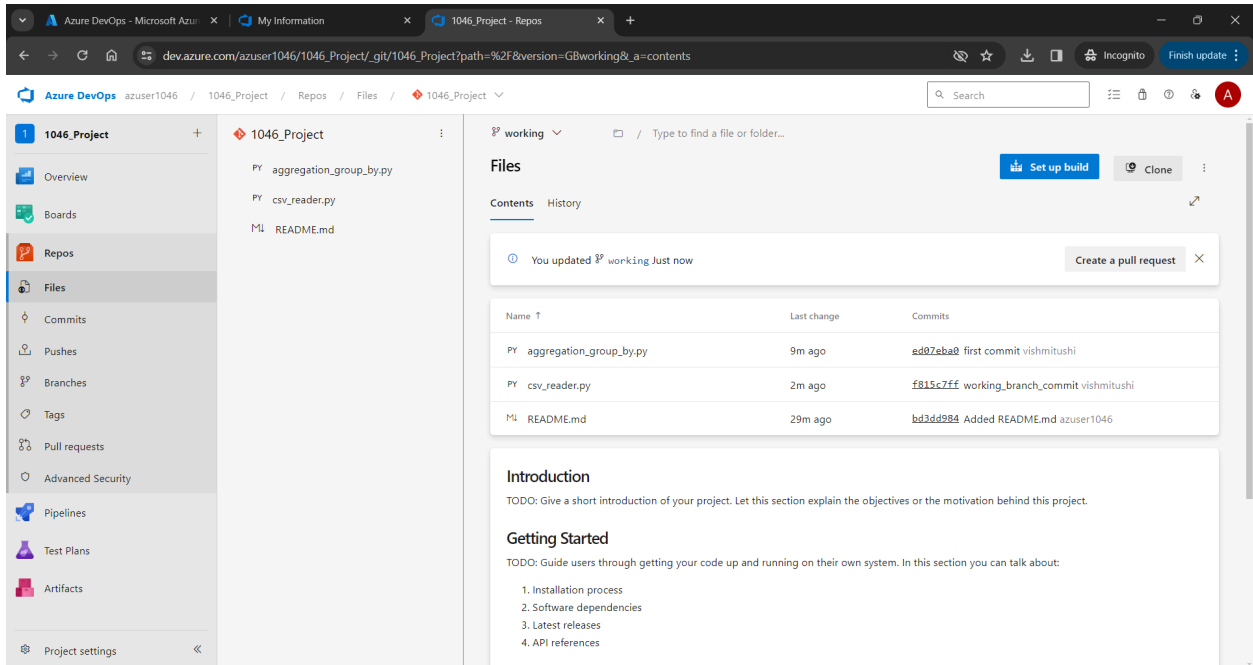
nothing added to commit but untracked files present (use "git add" to track)

Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (working)
$ git add csv_reader.py

Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (working)
$ git commit -m "working_branch_commit"
[working f815c7f] working_branch_commit
1 file changed, 19 insertions(+)
create mode 100644 csv_reader.py

Mitushi@Mitushi MINGW64 /d/Hexaware/Data_Engineering-Batch/azure_repos/1046_Project (working)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 576 bytes | 576.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Analyzing objects... (3/3) (4 ms)
remote: Validating commits... (1/1) done (0 ms)
remote: Storing packfile... done (57 ms)
remote: Storing index... done (72 ms)
To https://dev.azure.com/azuser1046/1046_Project/_git/1046_Project
ed07eba..f815c7f  working -> working
```

File pushed to working branch



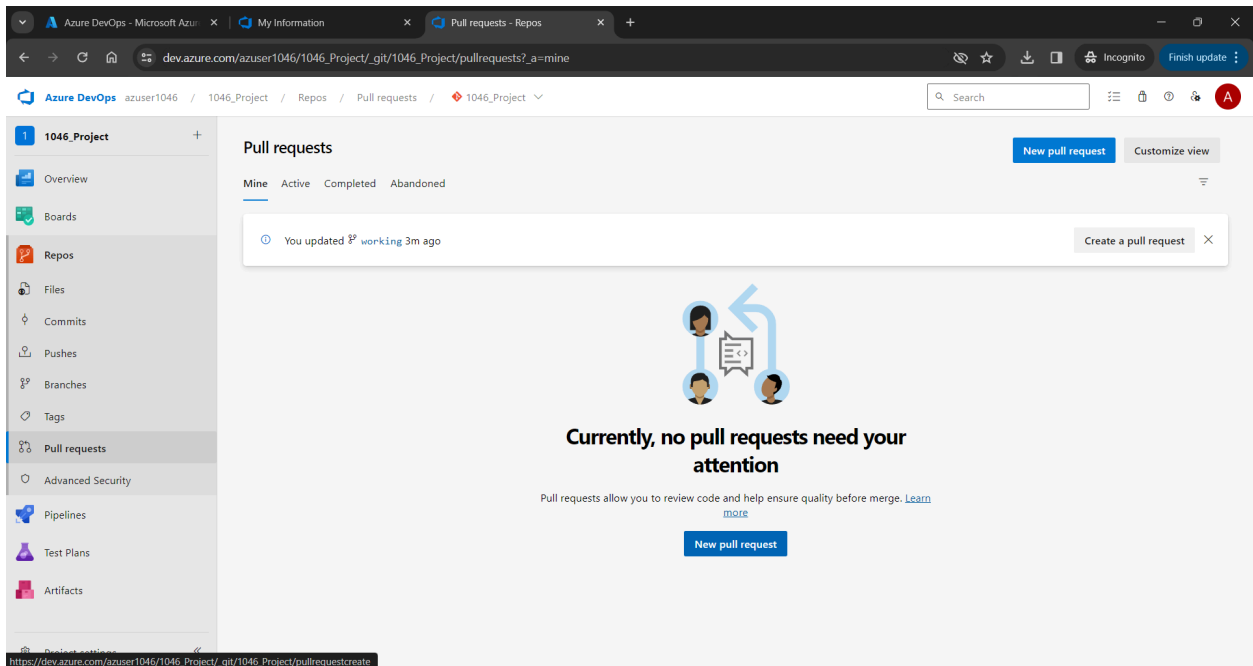
The screenshot shows the Azure DevOps web interface for a repository named '1046_Project'. The left sidebar contains navigation links: Overview, Boards, Repos, Files, Commits, Pushes, Branches, Tags, Pull requests, Advanced Security, Pipelines, Test Plans, Artifacts, and Project settings. The main content area is titled '1046_Project' and shows a list of files: 'aggregation_group_by.py', 'csv_reader.py', and 'README.md'. Below the file list, there is a table showing the commit history for each file.

Name	Last change	Commits
aggregation_group_by.py	9m ago	ed07eba0 first commit vishmitushi
csv_reader.py	2m ago	f815c7ff working_branch_commit vishmitushi
README.md	29m ago	bd3dd584 Added README.md azuser1046

Below the table, there is a section titled 'Introduction' with a TODO: Give a short introduction of your project. Let this section explain the objectives or the motivation behind this project. Another section titled 'Getting Started' has a TODO: Guide users through getting your code up and running on their own system. In this section you can talk about:

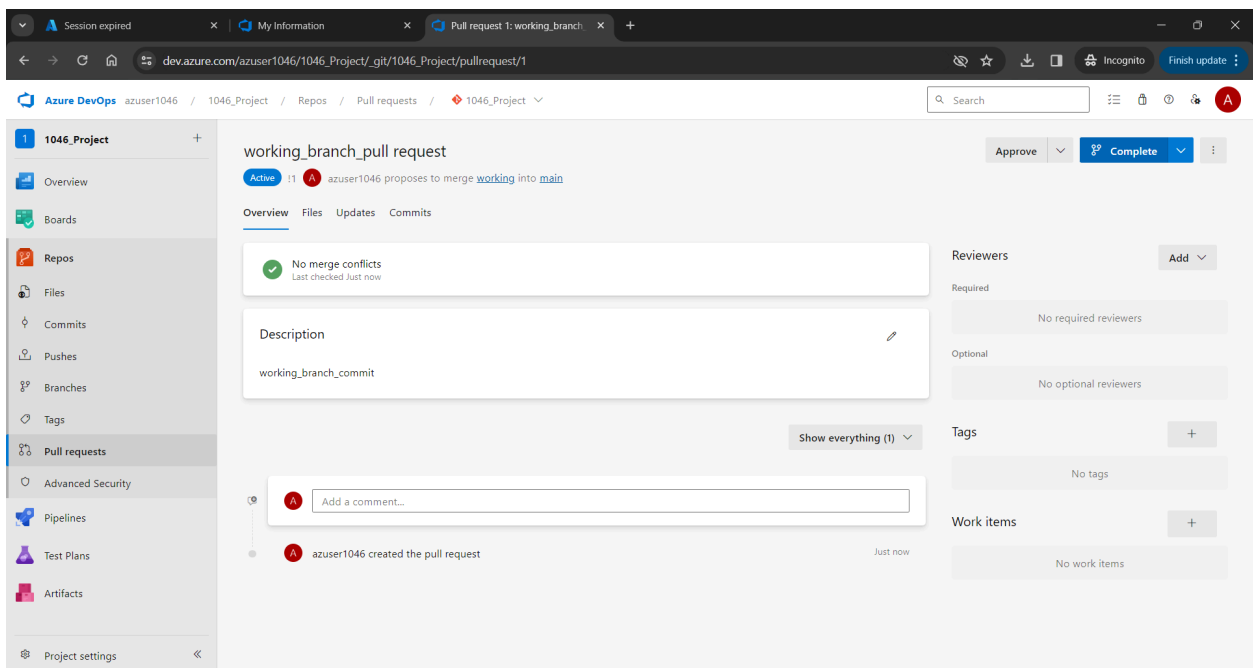
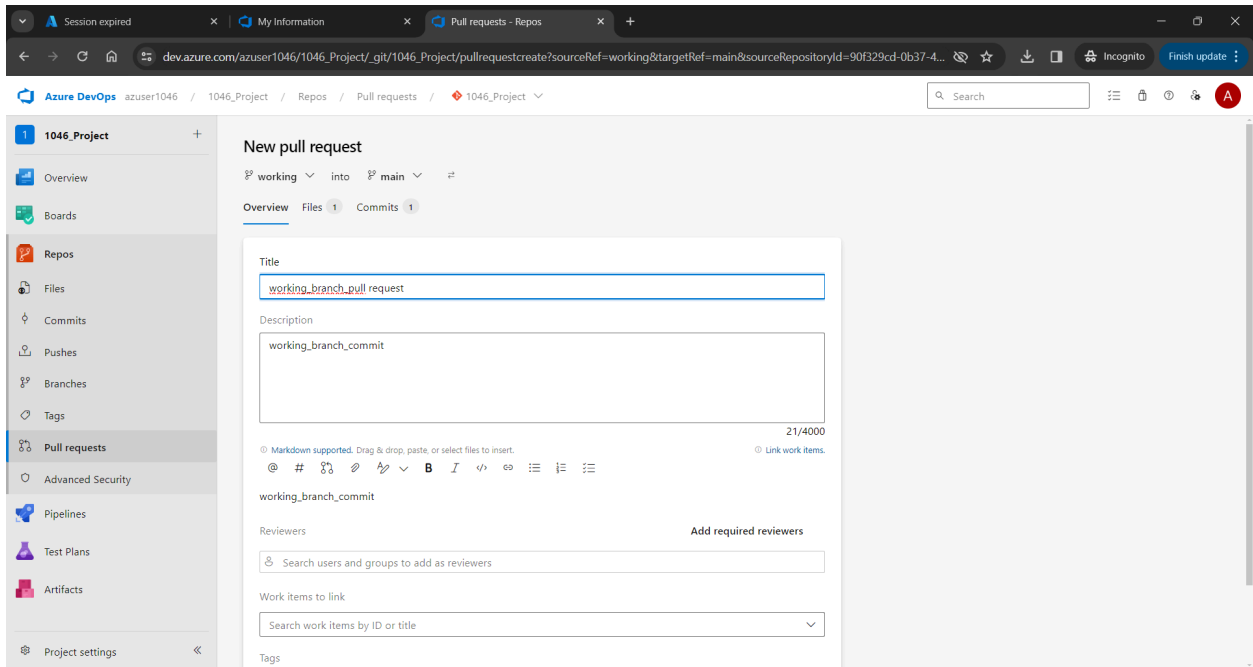
1. Installation process
2. Software dependencies
3. Latest releases
4. API references

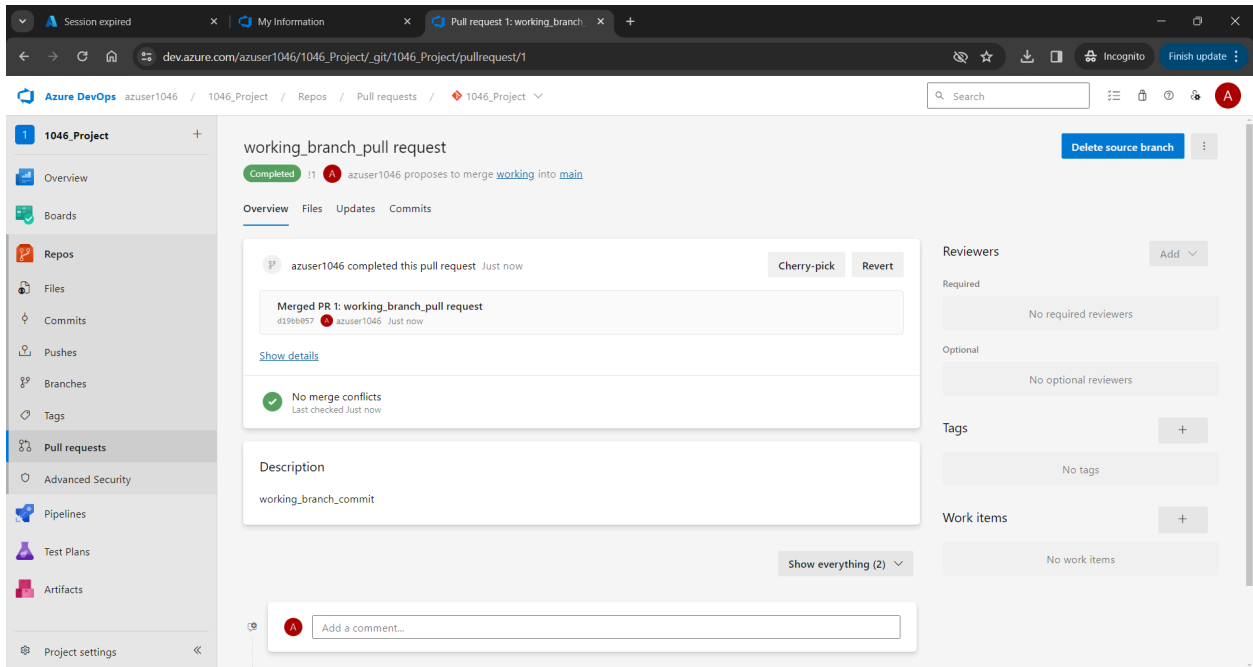
Creating pull request



The screenshot shows the Azure DevOps web interface for the 'Pull requests' section of the '1046_Project' repository. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Pull requests' and shows a list of pull requests. There is a message: 'You updated working 3m ago' with a 'Create a pull request' button. Below this, there is a large graphic with two people icons and a speech bubble, with the text: 'Currently, no pull requests need your attention'. Below the graphic, there is a message: 'Pull requests allow you to review code and help ensure quality before merge. [Learn more](#)'. At the bottom, there is a 'New pull request' button.

https://dev.azure.com/azuser1046/1046_Project/_git/1046_Project/pullrequestcreate





Merged working branch and main branch using pull request

