EX NO 6 CREATE A MAVEN BUILD PIPELINE IN AZURE

AIM:

To create a maven build pipeline in microsoft azure.

PROCEDURE:

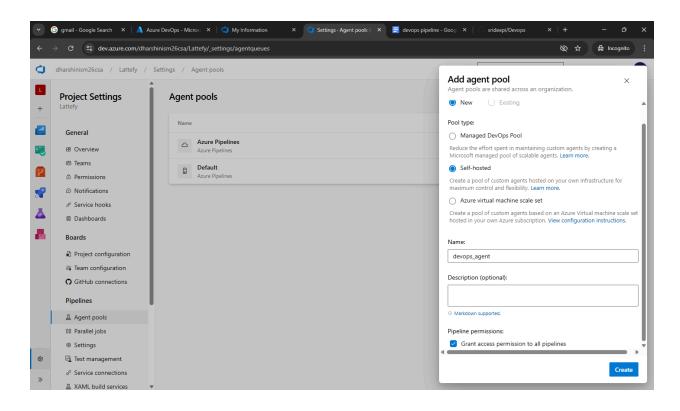
- Step 1: In Microsoft azure(pipeline) [open it in incognito mode]
- Step 2: Search for azure devops organisation
- Step 3: Click my azure devops organisation
- Step 4: Create new organisation
- Step 5: Create project
- Step 6: Go for pipeline ->create pipeline
- Step 7: Connect ->github
- Step 8: Select ->repo
- Step 9: Configure ->maven
- Step 10: Change the below line (in review)according the version of java you have(if java

version is 21 then alter it as '1.21')

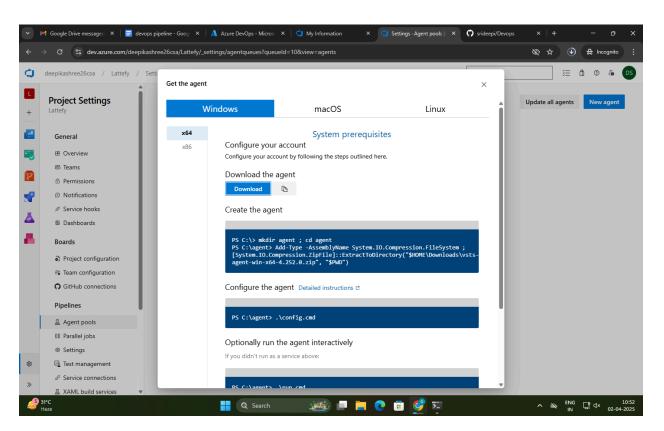
jdkVersionOption: '1.21'

goals: 'package -DskipTests'

- Step 11: Save and run
- Step 12: To create agent pool,
 - 1. Project settings->agent pool->add pool

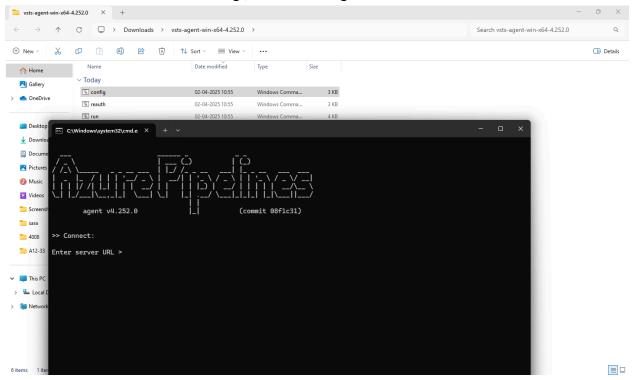


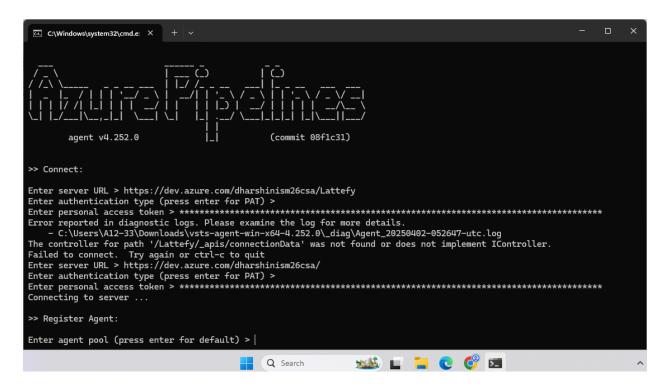
Step 13: To create new agent, 1.Click new agent



Step 14: Click the download option where a zip file will be downloaded,

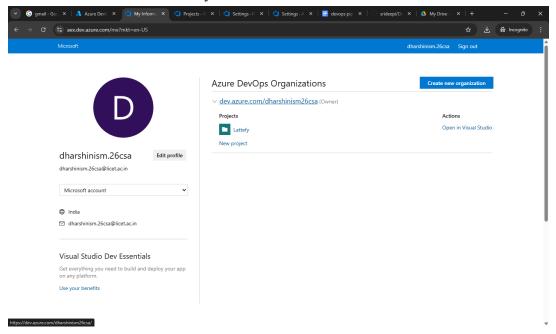
- 1. Extract the same
- 2. After extracting ,click the config file



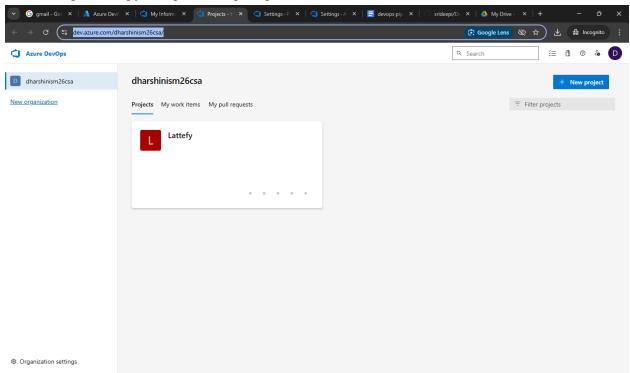


Step 15: For enter server url,

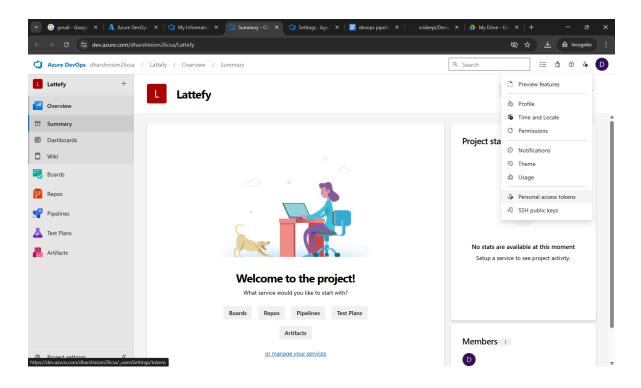
1. Go to My information->click on dev.azure.com/dharshinism.26csa



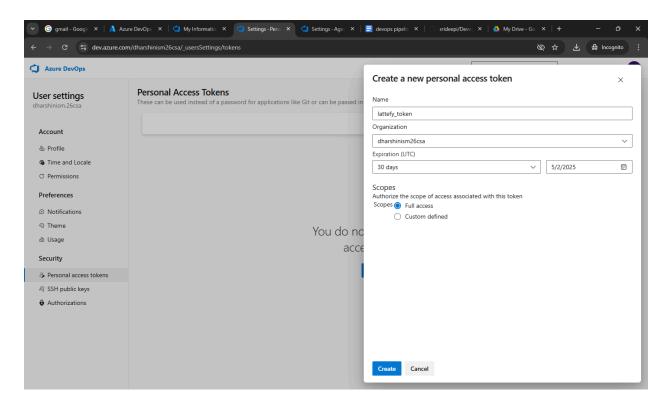
Step 16: Copy and paste the path present above



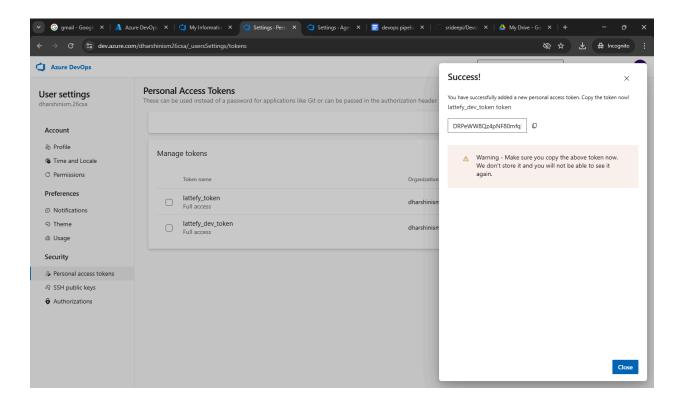
Step 17: For enter authentication type (first click enter) ,then follow the below steps 1. Go to user settings->personal access tokens



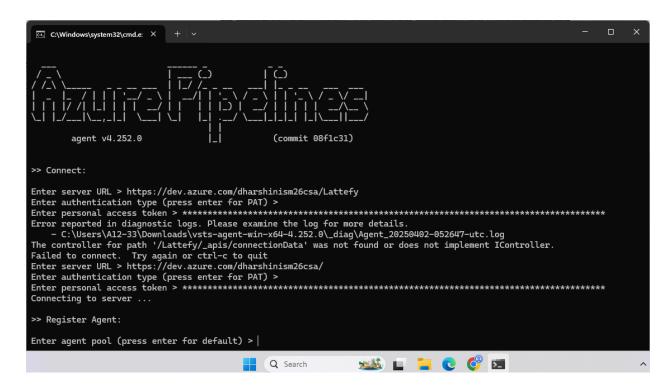
Step 18: Create new token



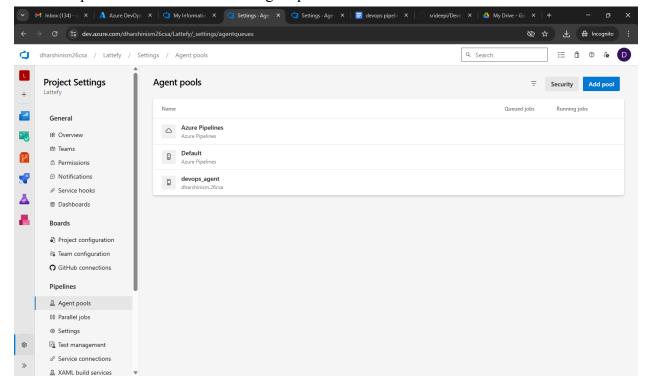
Step 19: Copy the token id (don't forget) - It shows only once , so copy it for future reference.



Step 20: Enter the copied token id

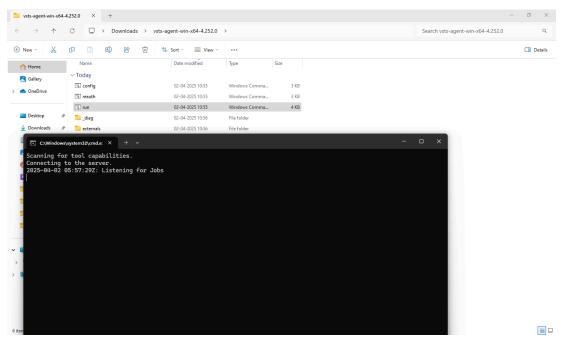


Step 21: Enter the name of the agent pool



a. enter agent name (your choice)

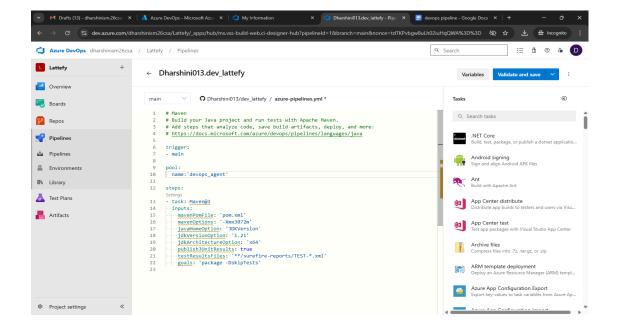
- b. press enter->y-> y
- c. now enter the extracted folder present in the local,
- d. Enter run file



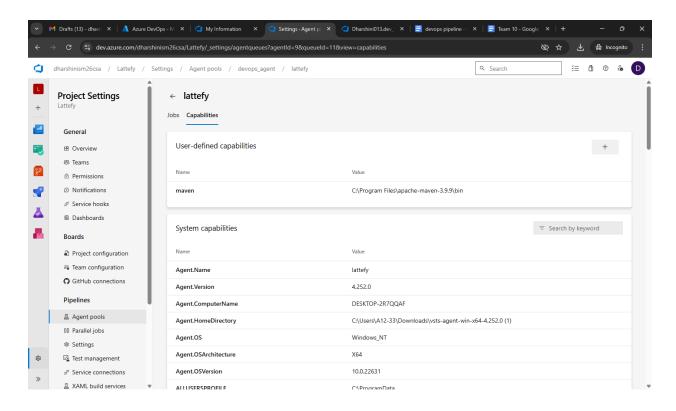
(Note: dont close the run command prompt -just minimise it)

Step 22: Go to azure ->enter into the created pipeline

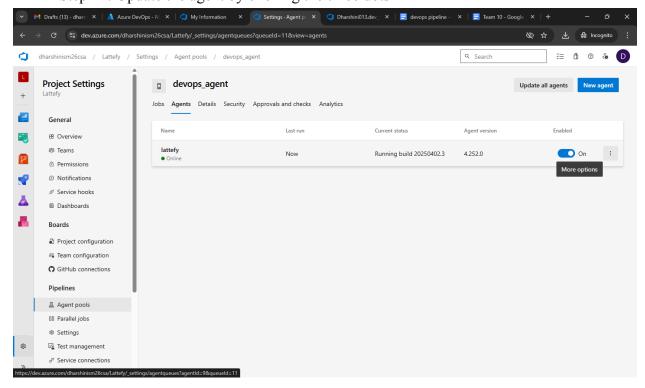
1. Click on to the three dots present in the top right corner->edit pipeline



Step 23: Add maven's bin in job -> capabilities

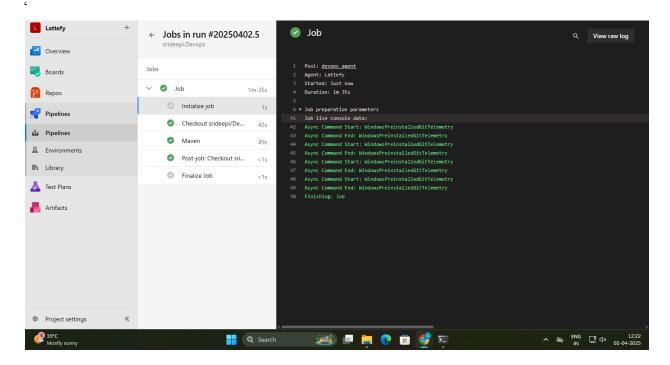


Step 24: Update the agent by clicking the three dots



Step 25: Again go to pipeline ->validate and run

1. Job runs with a success message



RESULT:

Thus the maven build pipeline is created in azure and the job is executed successfully.