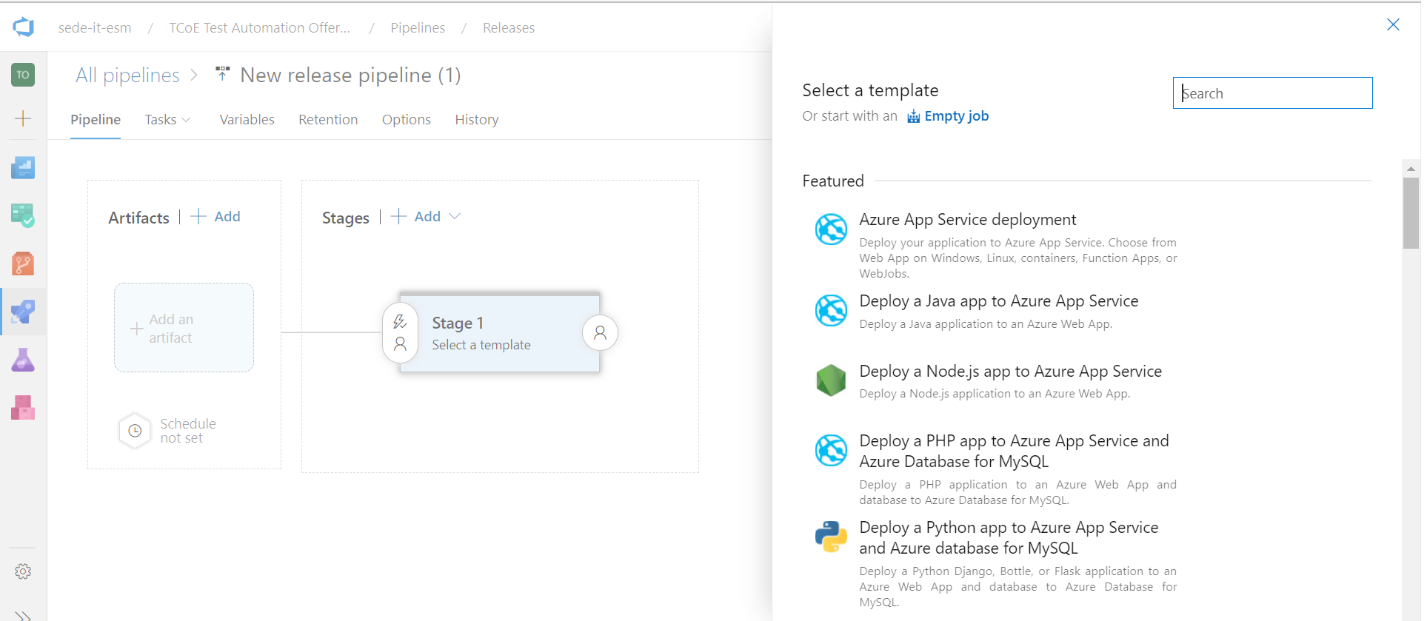
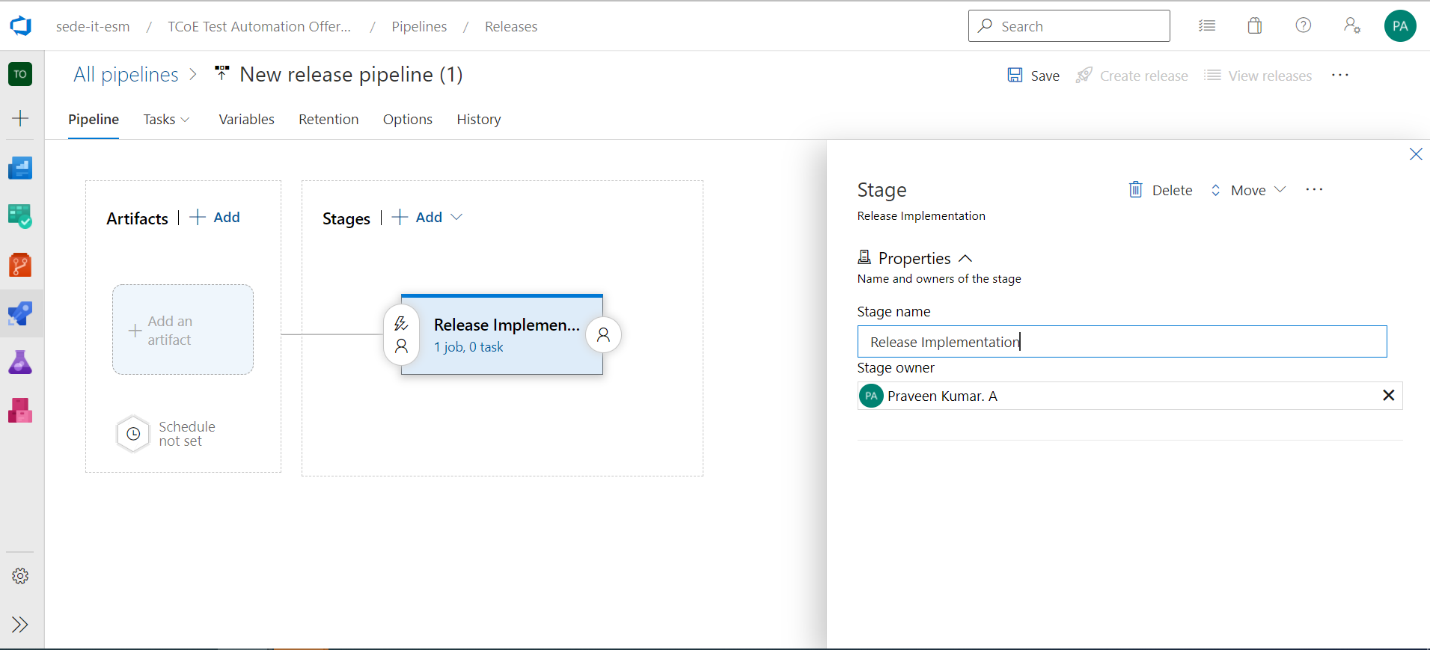
# **RELEASE PIPELINE IMPLEMENTATION**

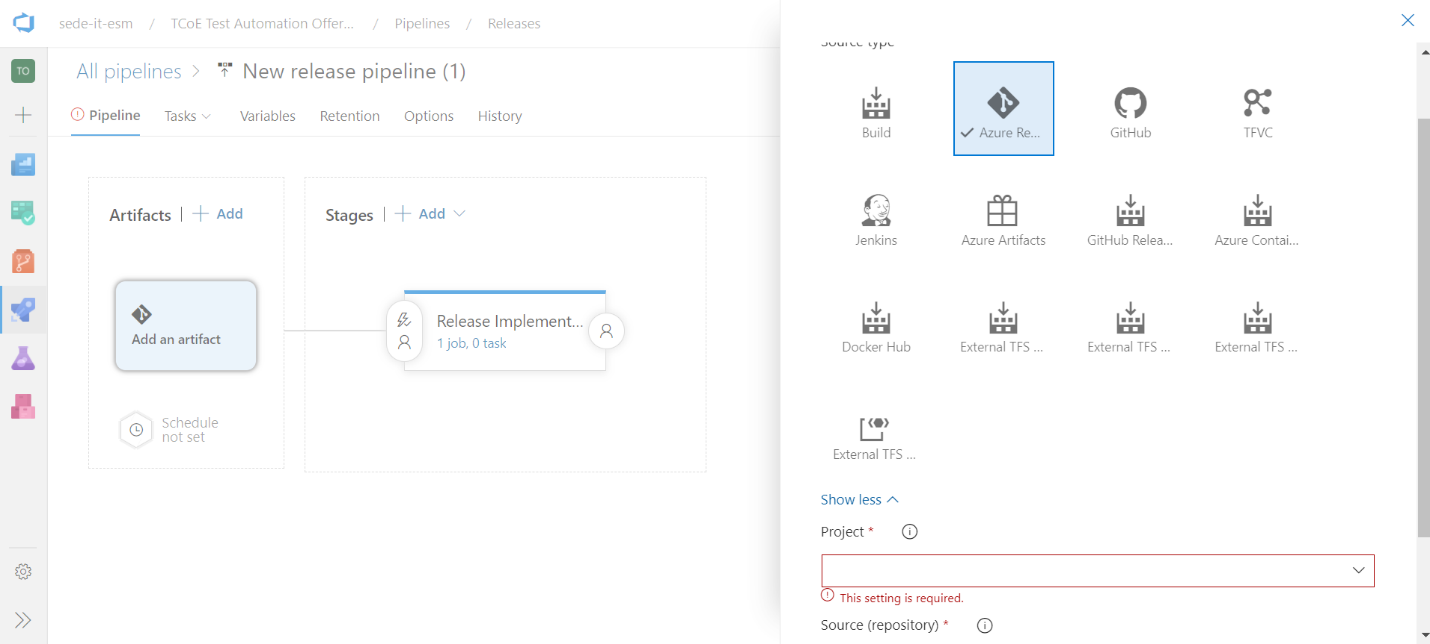
## AZURE DEVOPS

1. Select Pipelines -> Releases
2. Click on New button and select New Release Pipeline
3. Select ‘start with an Empty Job’ and provide a name for the Stage

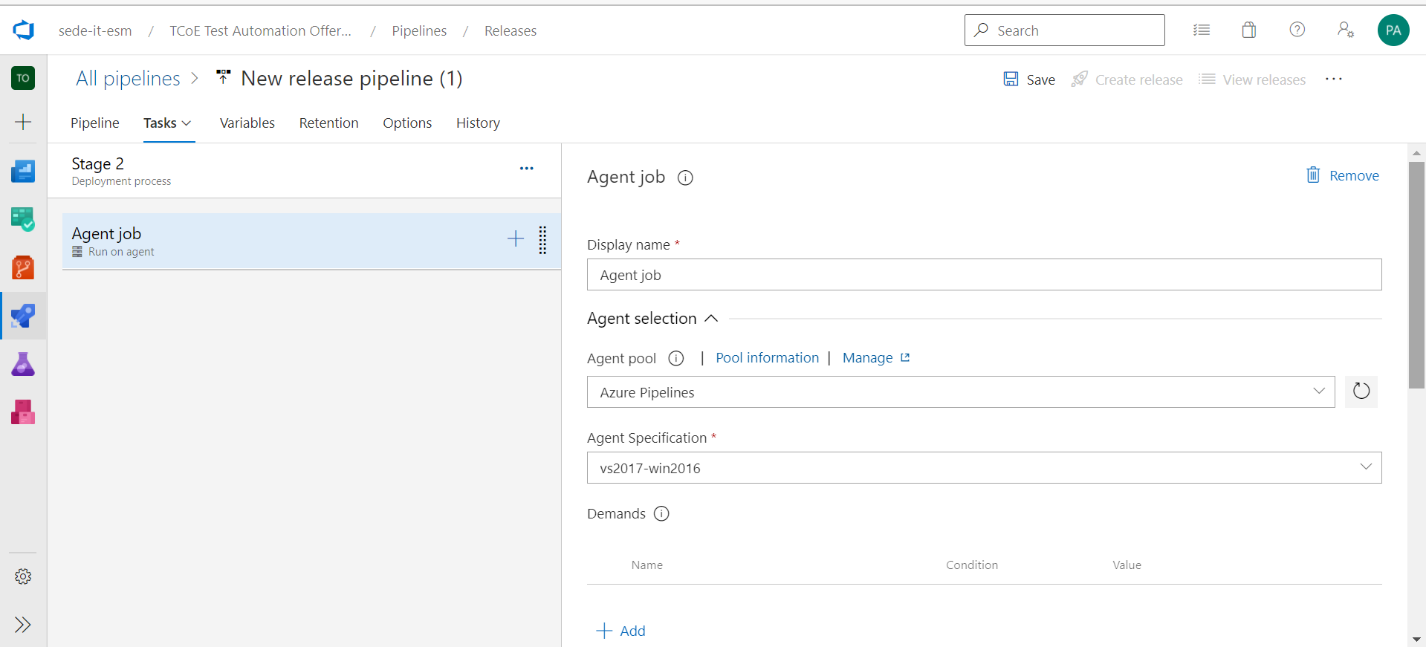




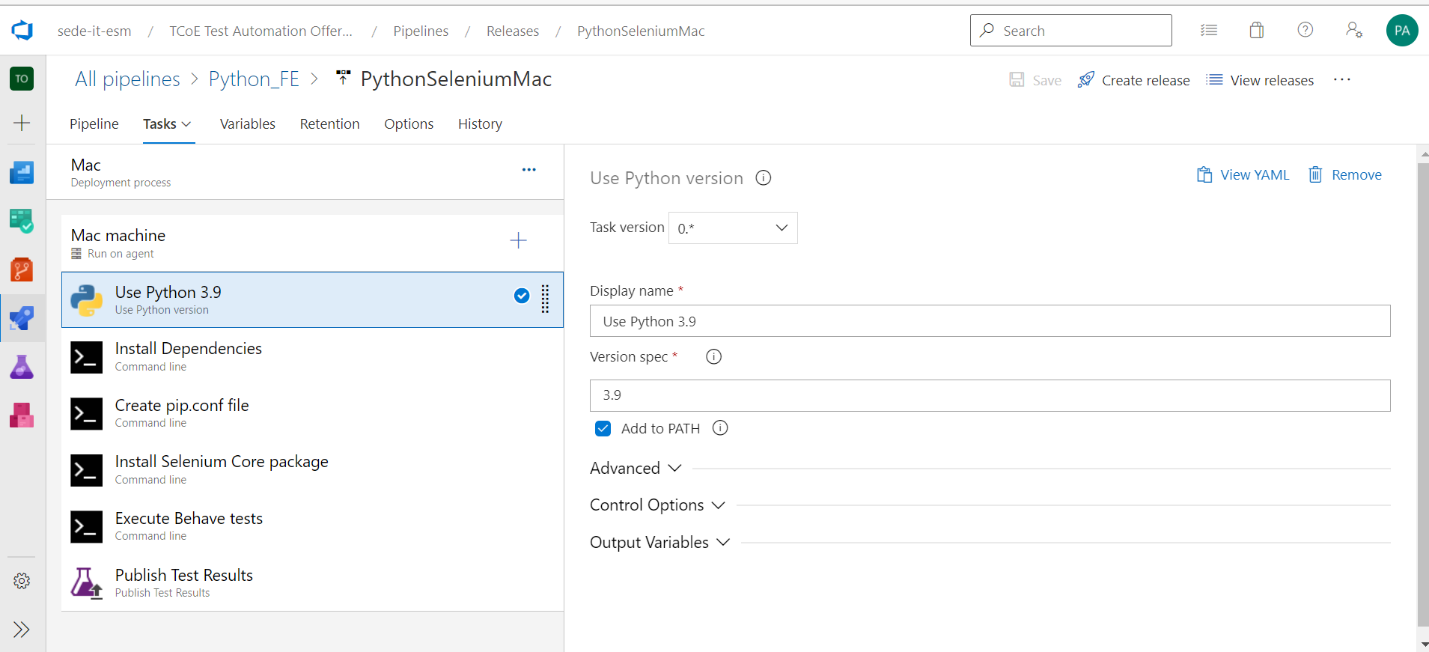
1. Click on ‘Add an Artifact’ and select the corresponding Source Type. Provide the Project, Source (Repository) and Default Branch details and click on Add button



1. Click on the Stage job task hyperlink
2. Select the required Agent type and provide Agent name



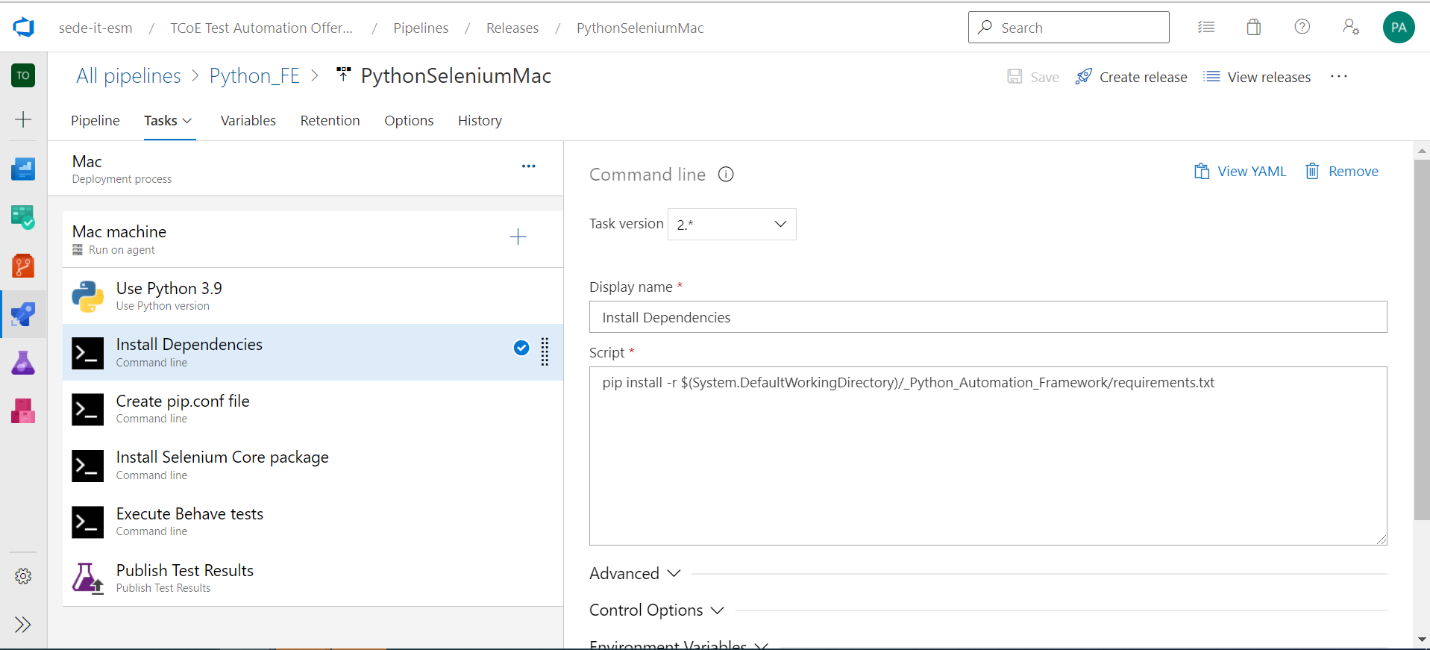
1. Click on ‘+’ icon in Agent and add the below tasks
2. Add the Use Python task and mention the Python version



1. Search for Command Line task and add it renaming it to Install Dependencies. This is the step where the dependencies for the framework needs to be installed in the VM. Enter the below command in ‘Script’ section:

pip install -r $(System.DefaultWorkingDirectory)/\_Python\_Automation\_Framework/requirements.txt

Replace the string “\_Python\_utomation\_Framework” with the Source alias name you have provided when adding the Artifact



1. Add a new Command Line task for creating the pip.ini file(for Windows) or the pip.conf file(Mac/Ubuntu). This is a pre-requisite for installing the Core packages. The configuration changes based on OS. Enter the below commands in the Script section.

**MAC:**

cd

cd ~/Library/Application\ Support

mkdir pip

cd pip

(

echo [global]

echo index-url=https://praveenkumar:yh3fiu3t3e47ry4hopytdejzjt6vsn22keowe3e777ec43oxdg5q@sede-it-esm.pkgs.visualstudio.com/9c266cd3-dfb9-4151-9186-30803982f7c1/\_packaging/ShellFESeleniumPythonCore\_Beta/pypi/simple/

) >pip.conf

**WINDOWS:**

C:

cd C:/ProgramData

mkdir pip

cd pip

(

echo [global]

echo index-url=https://praveenkumar:yh3fiu3t3e47ry4hopytdejzjt6vsn22keowe3e777ec43oxdg5q@sede-it-esm.pkgs.visualstudio.com/9c266cd3-dfb9-4151-9186-30803982f7c1/\_packaging/ShellFESeleniumPythonCore\_Beta/pypi/simple/

) >pip.ini

**UBUNTU:**

cd $HOME/.config

mkdir pip

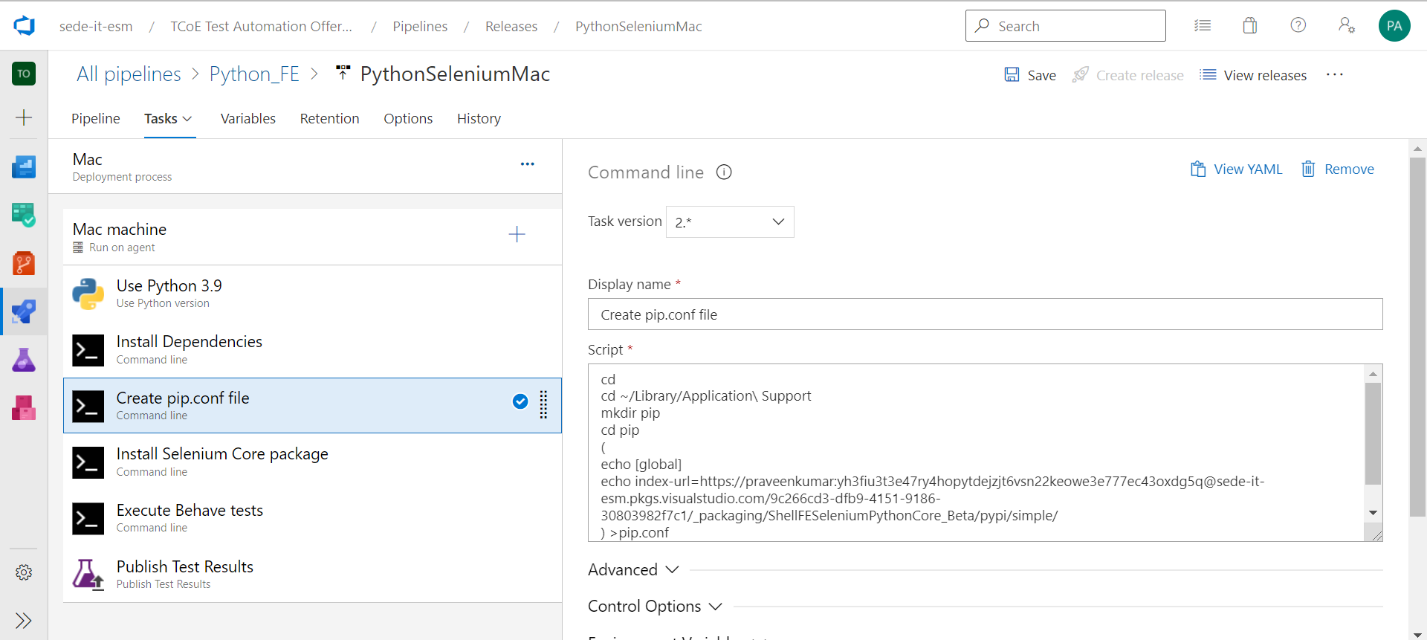
cd pip

(

echo [global]

echo index-url=https://praveenkumar:yh3fiu3t3e47ry4hopytdejzjt6vsn22keowe3e777ec43oxdg5q@sede-it-esm.pkgs.visualstudio.com/9c266cd3-dfb9-4151-9186-30803982f7c1/\_packaging/ShellFESeleniumPythonCore\_Beta/pypi/simple/

) >pip.conf



1. Add a new Command Line Task for installing the Core package. Execute the below command in the scripts section. Change the package name accordingly based on requirements.

pip install Shell-FE-Selenium-Core

1. Add a new Command Line Task for executing the Behave tests (after navigating to the folder containing the features folder). Add the below command in Scripts section:

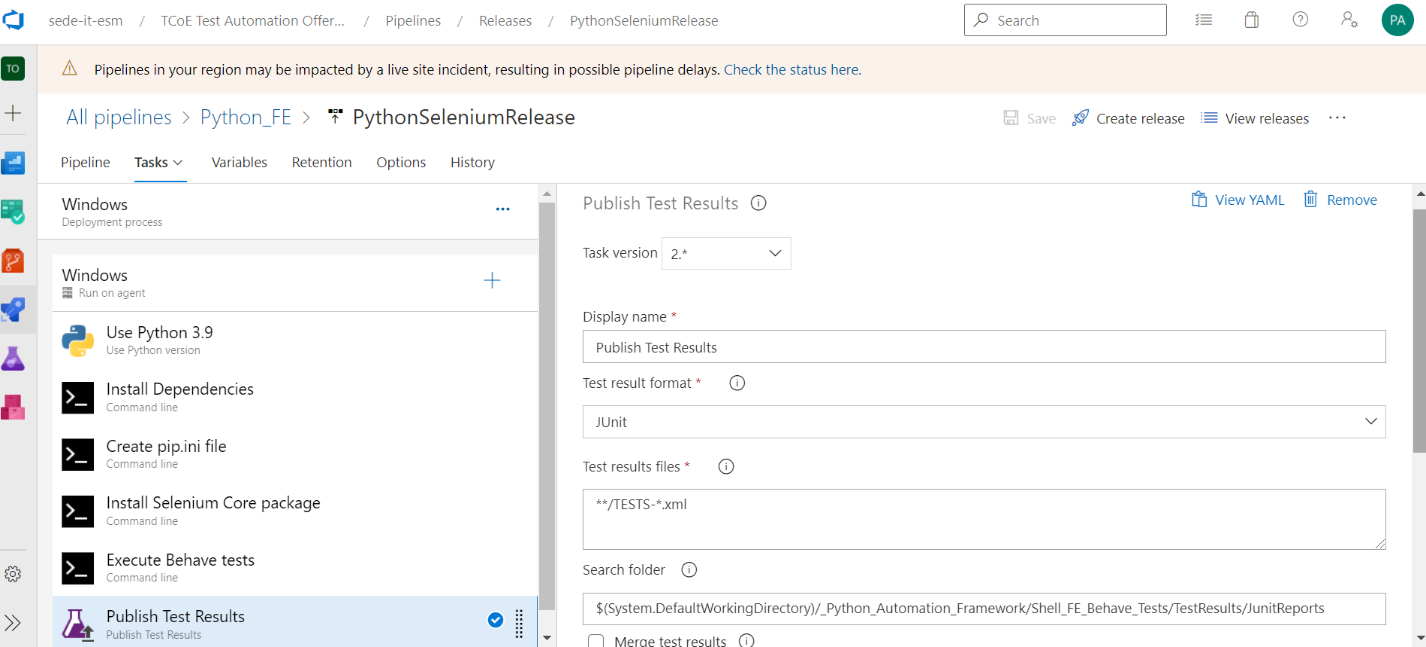
cd $(System.DefaultWorkingDirectory)/\_Python\_Automation\_Framework/Shell\_FE\_Behave\_Tests

behave

1. Add a new task ‘Publish Test Results’ to view the test results of the execution. Provide the Test Results format as ‘Junit’ and the Test Results files as ‘\*\*/TESTS-\*.xml’ (based on the naming format of the xml files in Junit folder under Test Results) and provide the below value in Search Folder:

cd $(System.DefaultWorkingDirectory)/\_Python\_Automation\_Framework/Shell\_FE\_Behave\_Tests/TestResults/JunitReports

In the Control Options, select the value for ‘Run this Task’ as ‘Even if a previous task has failed, unless the deployment was canceled’.



1. Save the details and click on ‘Create Release’ and initiate a new release pipeline. Once the pipeline has completed then view the results via the Tests tab.