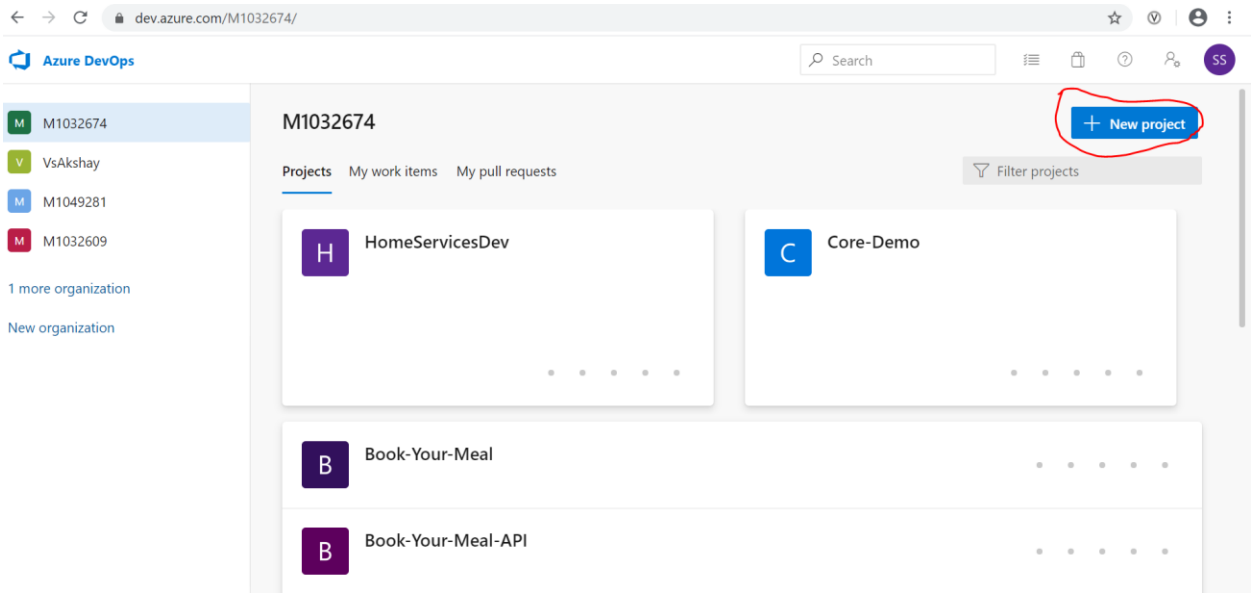
Shreeya Soni
M1032674

Dotnet Core CI-CD using Azure Repo

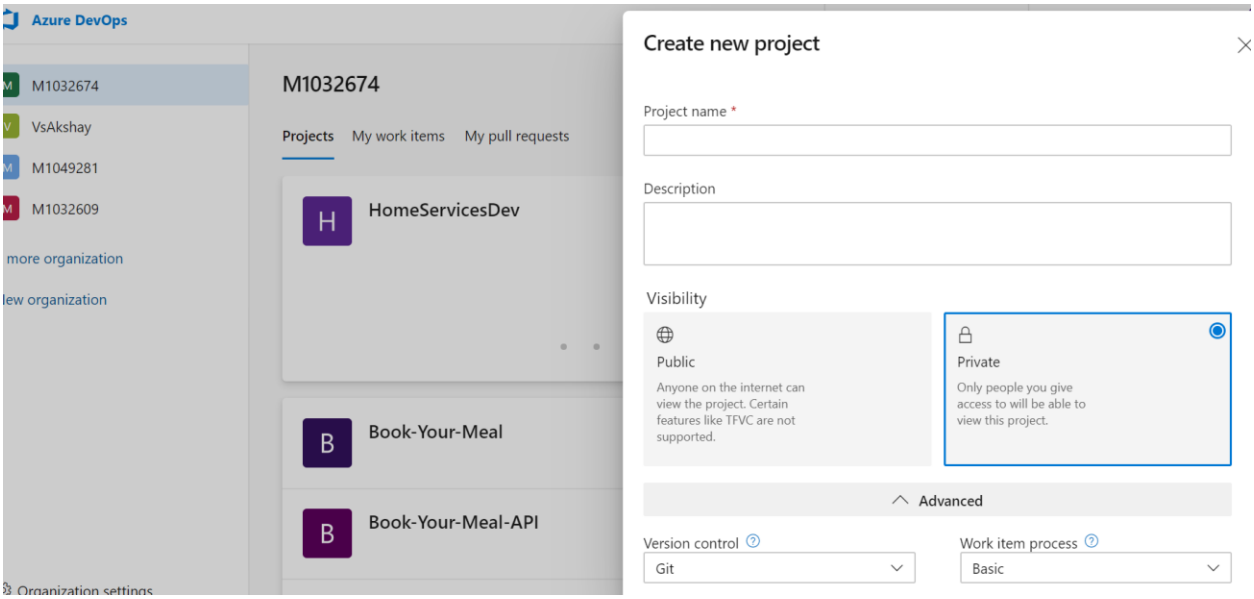
.net Core CI Steps

Go to https://dev.azure.com/

First create new project as shown below.



After you click on create project, you get below page, write project name, select private. In advance select Git and basic.



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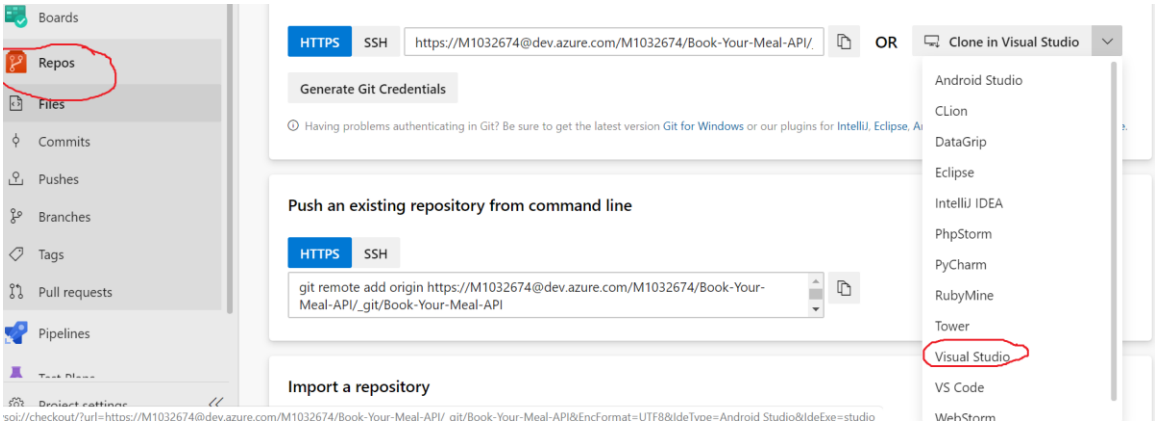
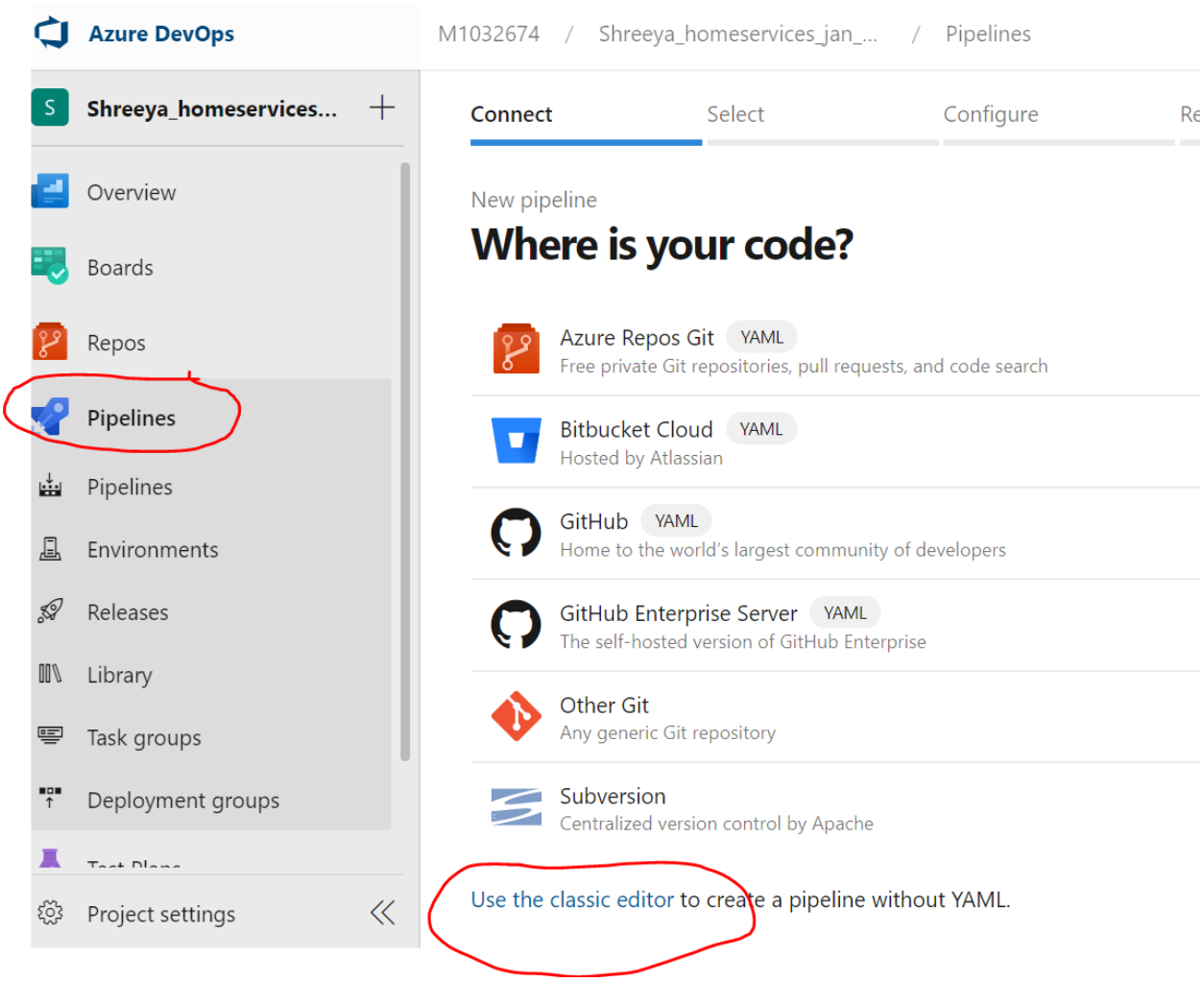
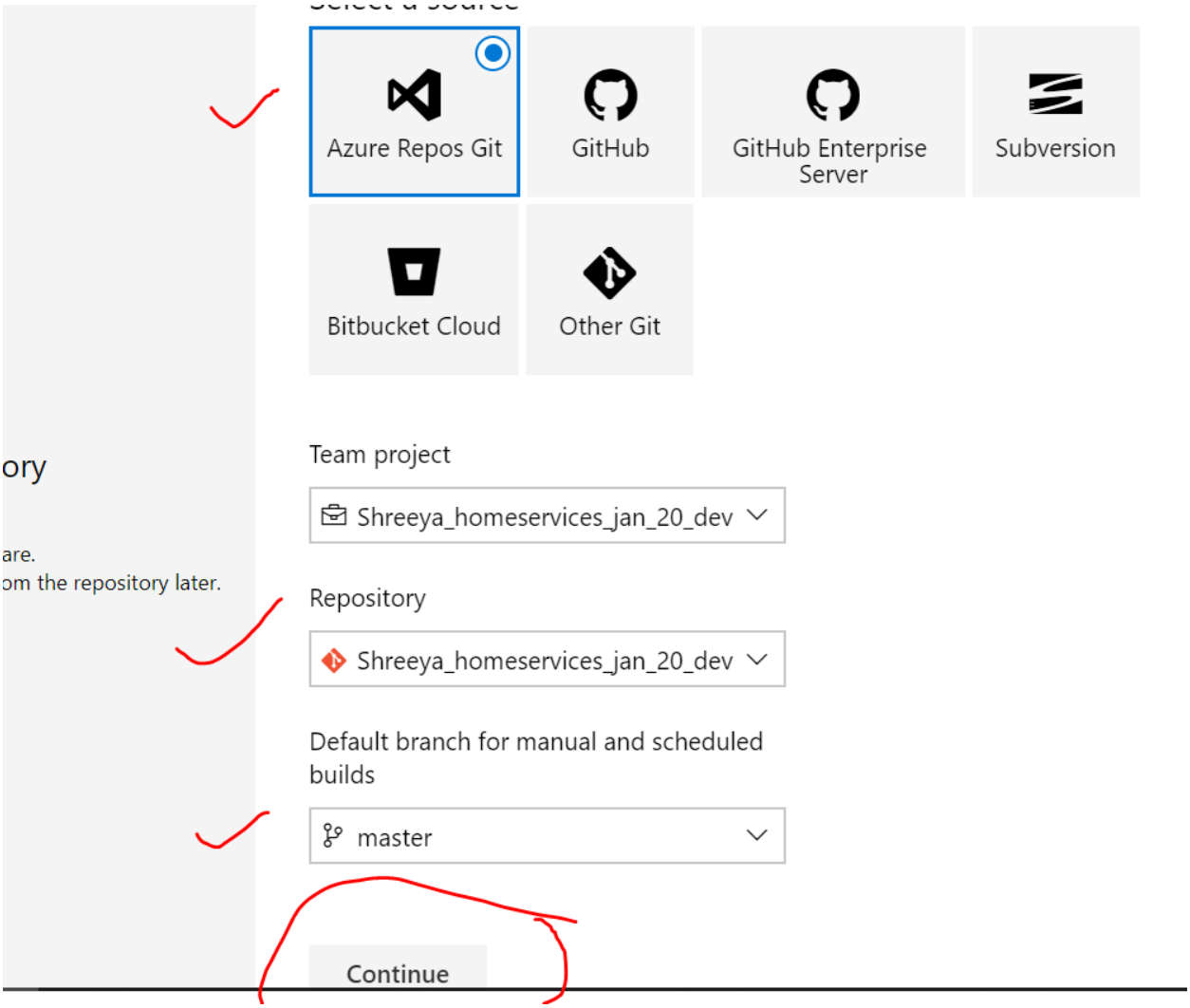
After successfully creation of project,Click on Repo from the left menu as shown below.Clone the Repository in VS by selecting clone in VS .So this is your repository where you will be pushing your code from VS.



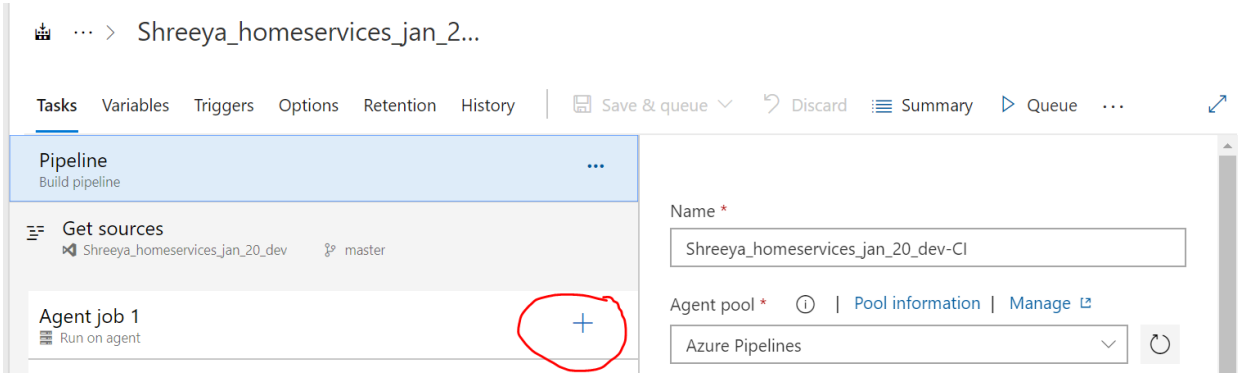
Now click on pipeline from left menu. You will the below page. Click on ’use classing editor’.



You will get below page,Select Azure Repo Git as your repo is n Azure.Select the repo which you want to connect from this pipeline from the dropdown. [Note] It will the repo you have created inside the project.Click on continue.



After continue, you will get below page to create steps of Agent job. Click on plus sign as shown below.



Once you click on plus sign, you will get below pop-up to seach.Search .net core here ,select it and click on Add.[Note:Do not worry about the names,here project name is different as I changed it later]

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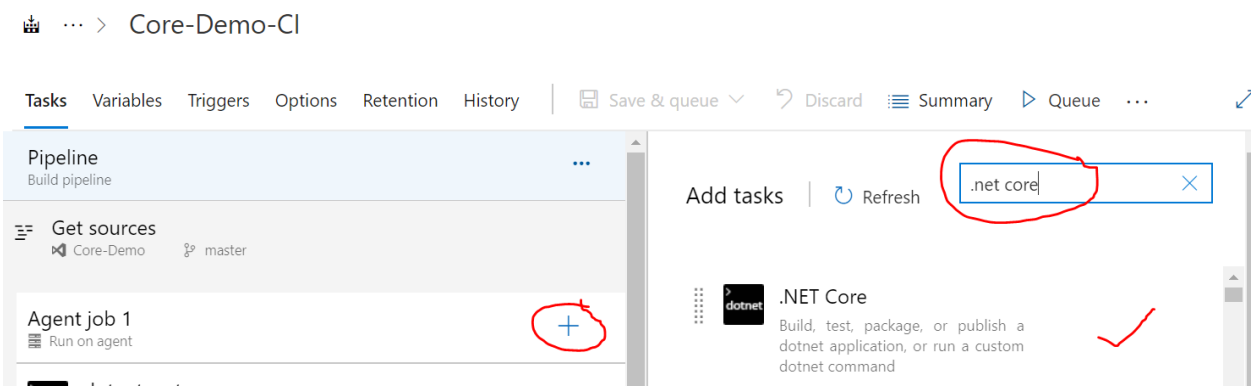
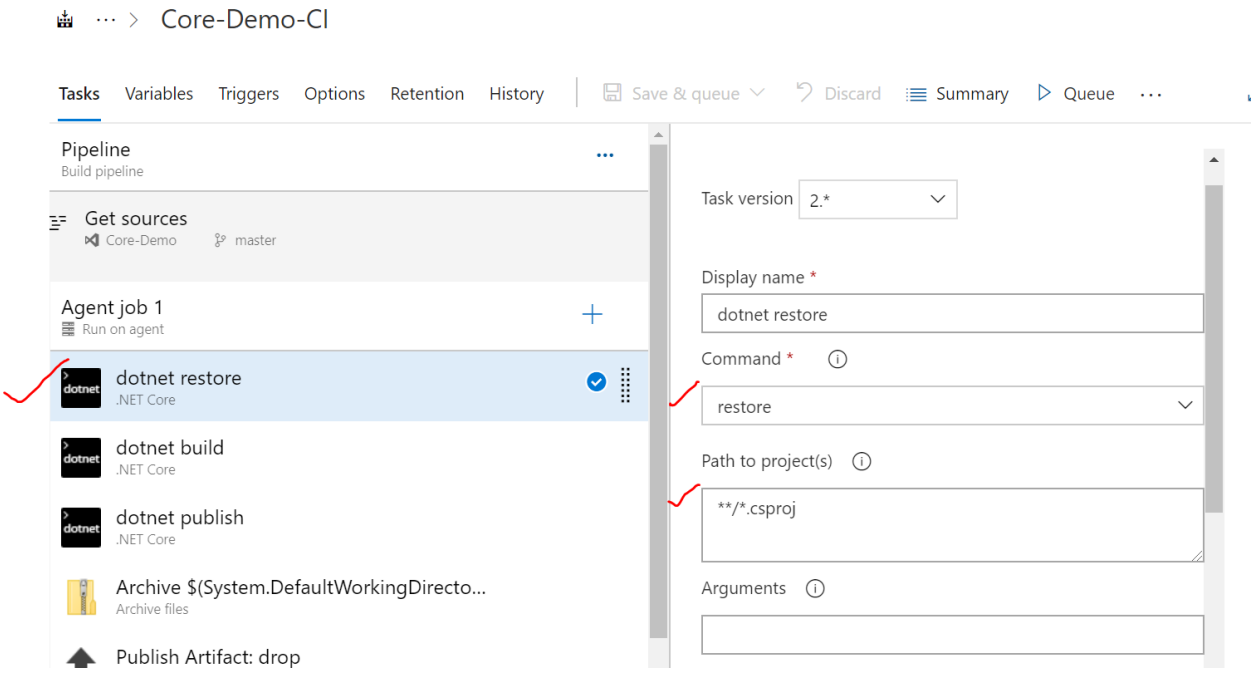


Select the added task and write the following commands as shown below.



Once again you click on plus sign, you will get below pop-up to seach.Search .net core here ,select it and click on Add.

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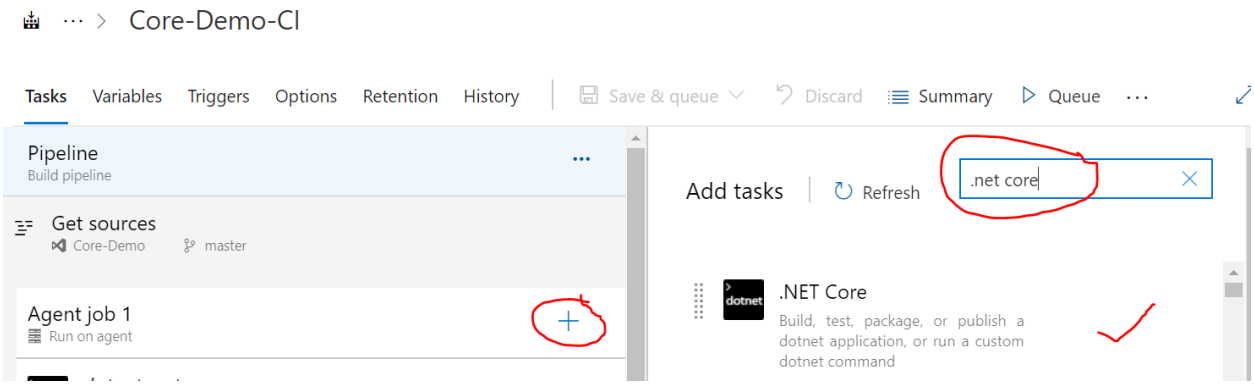
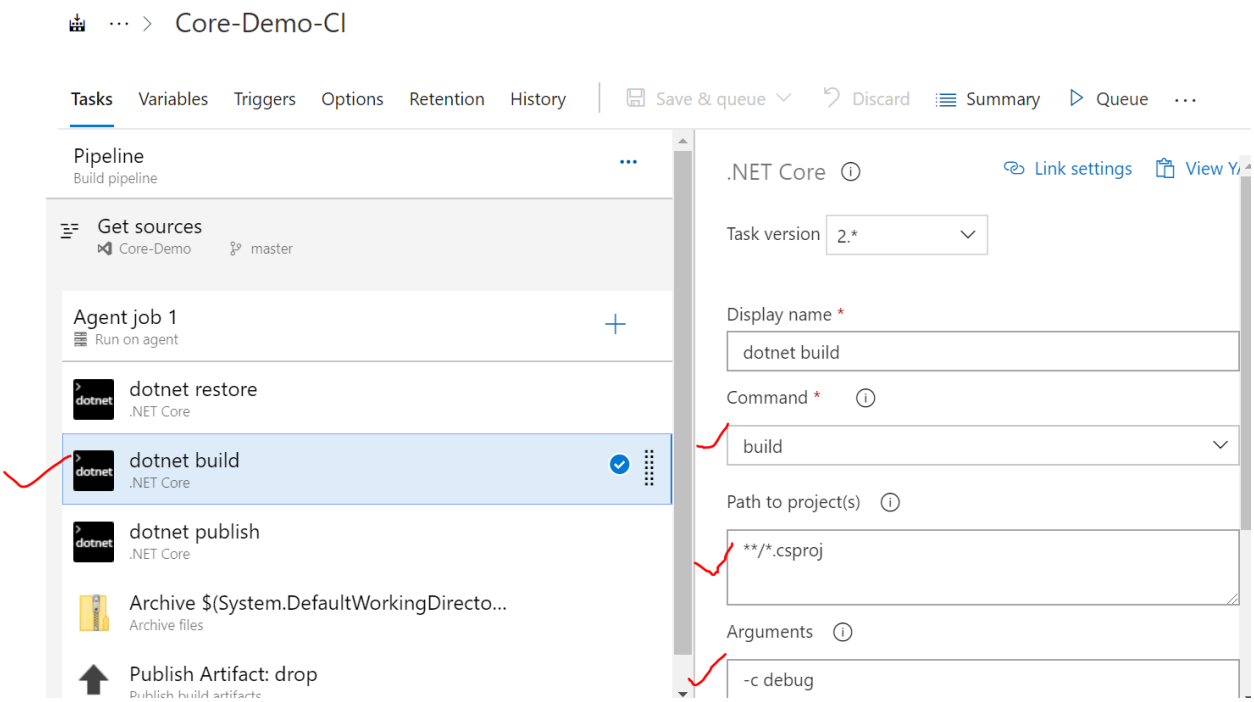


Select the new task added, and write the below commands as shown.



Once again you click on plus sign, you will get below pop-up to seach.Search .net core here ,select it and click on Add.

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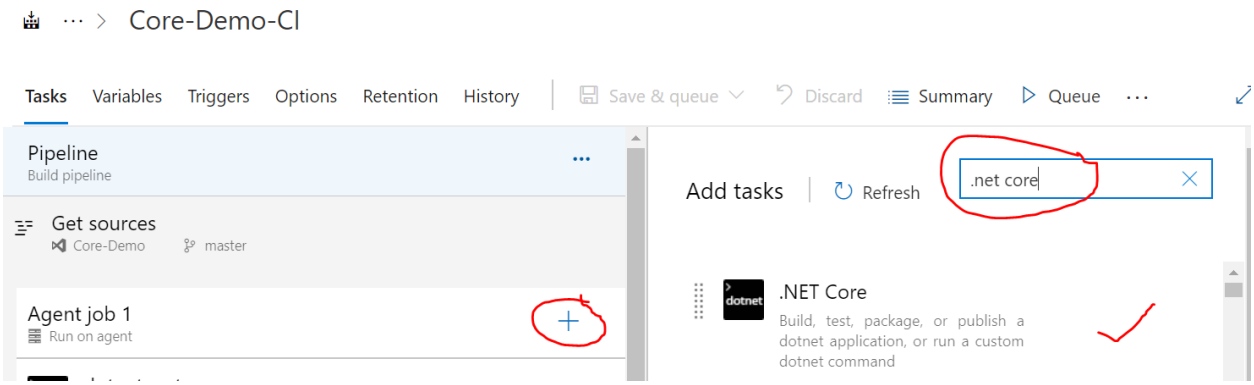
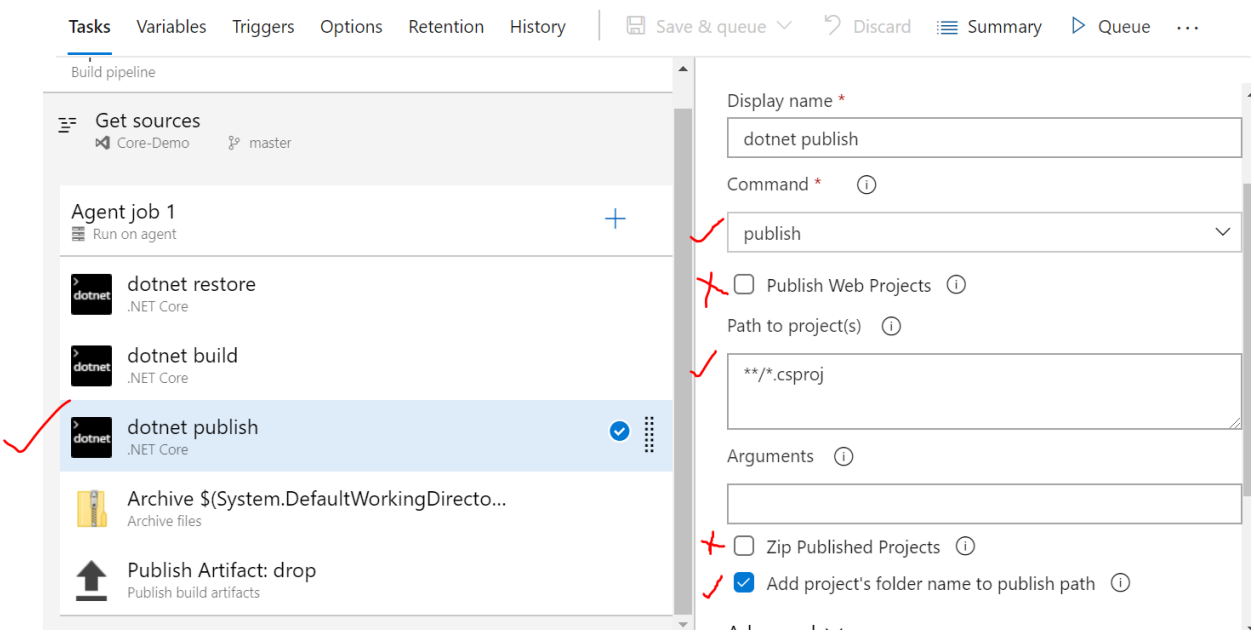
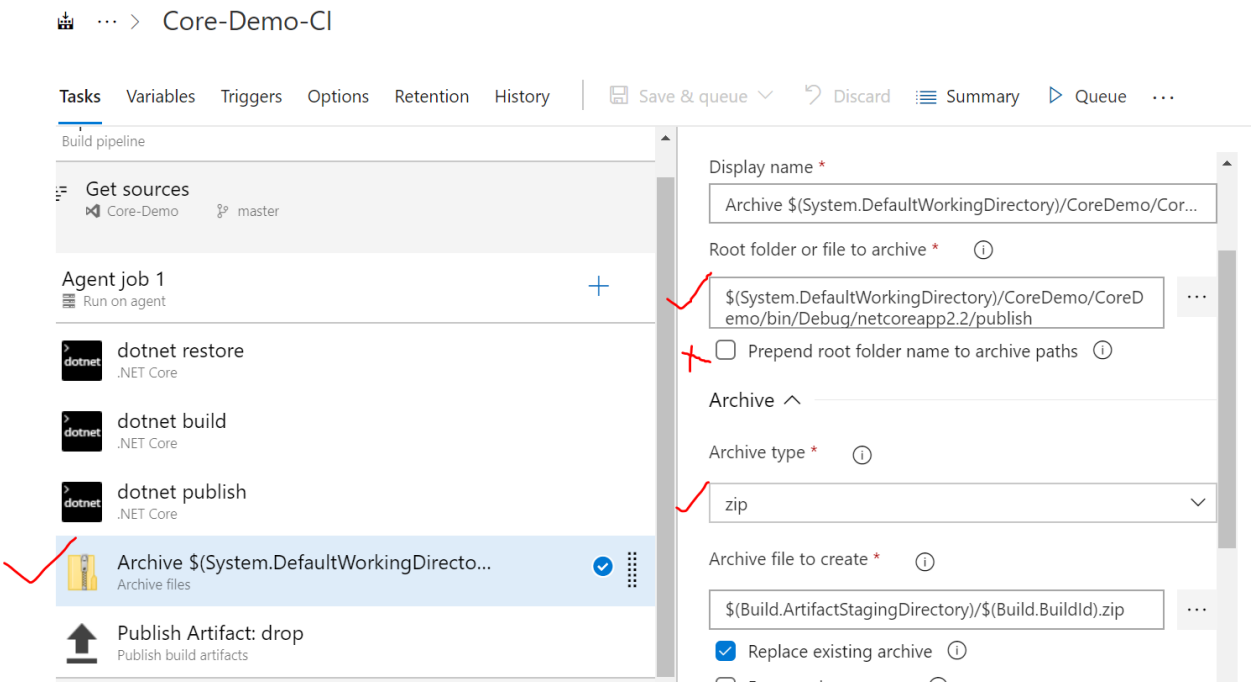


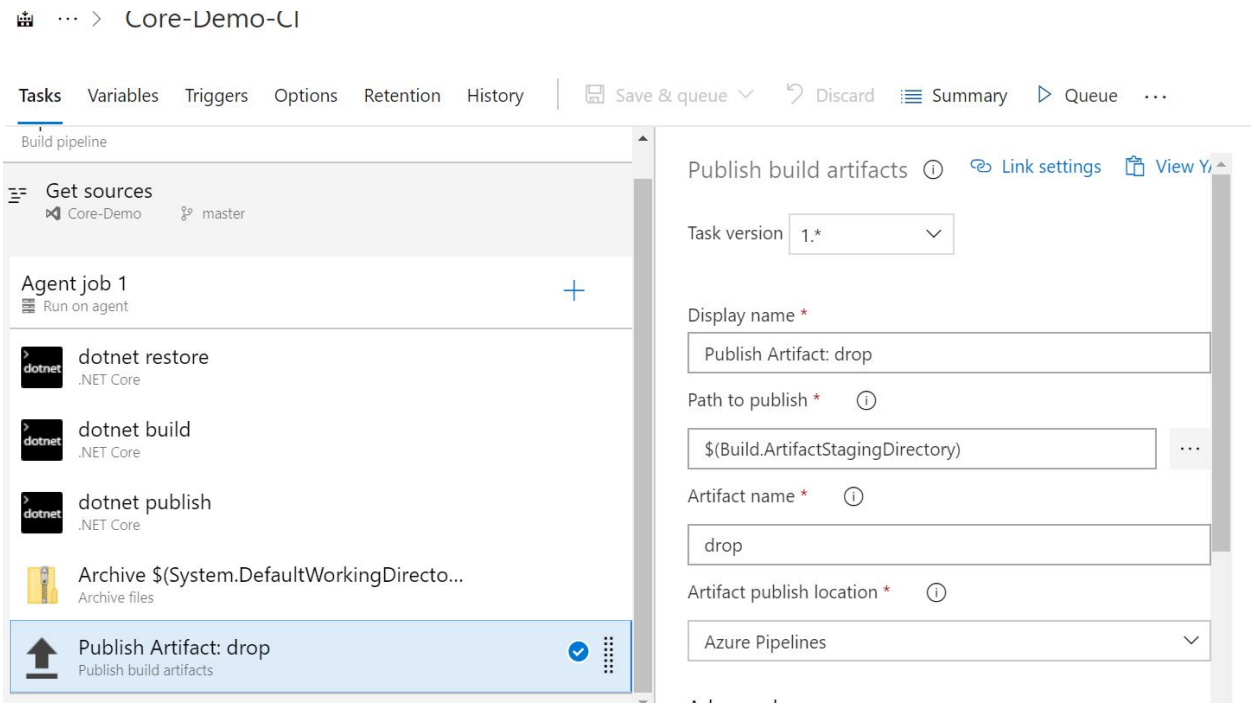
Select the newly added task and write the below command as shown.



Similary ,add one more task.Search ‘Archive files’ ,select it and add it.After adding add the below commands as shown.Build files will be generated in project folder/bin/Debug/netcoreapp2.2/publish,so it will be root folder here which we need to archive.



Similarly add one more task .Search 'Publish build artifact', select it and add it. Do not need to change anything here, let the default command as it is.



Now click on Triggers and enable continuous integration as shown below.

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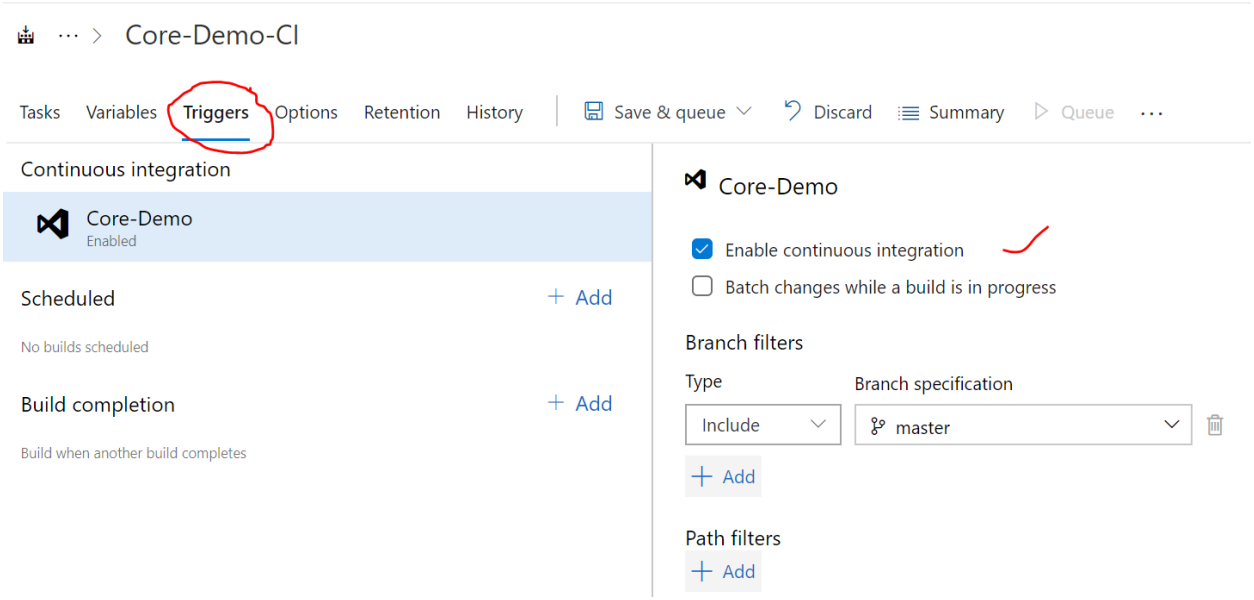

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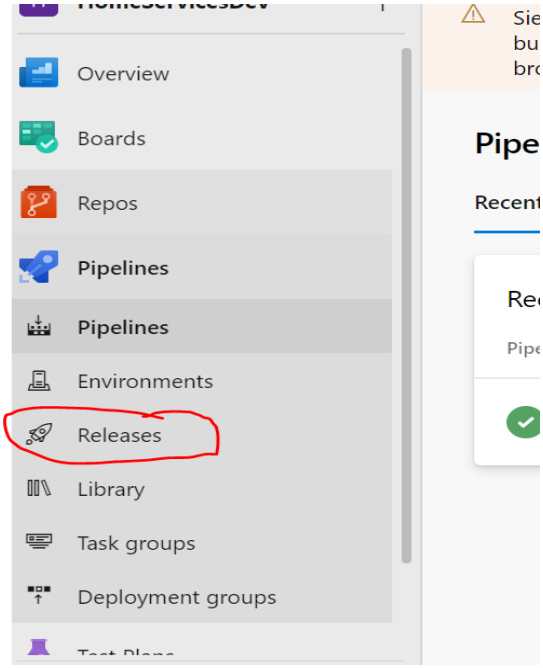
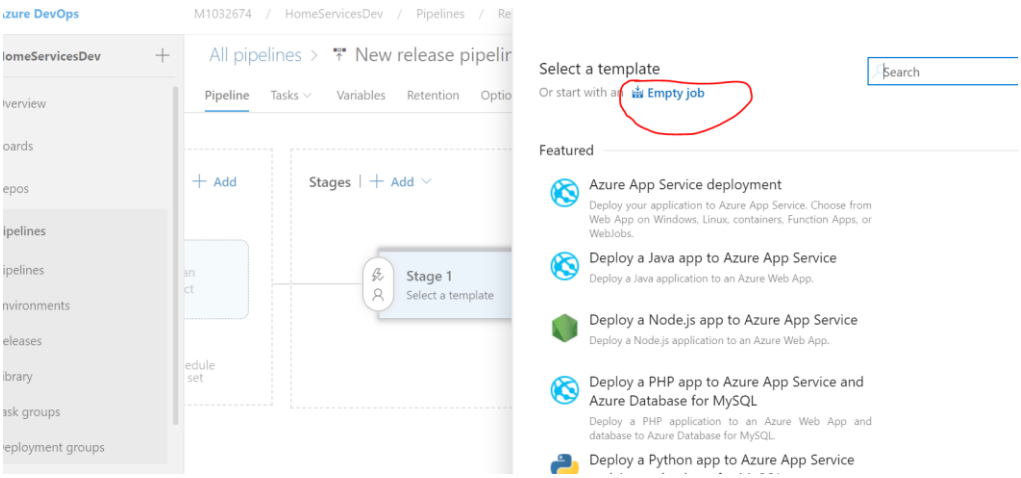
.net Core CD Steps

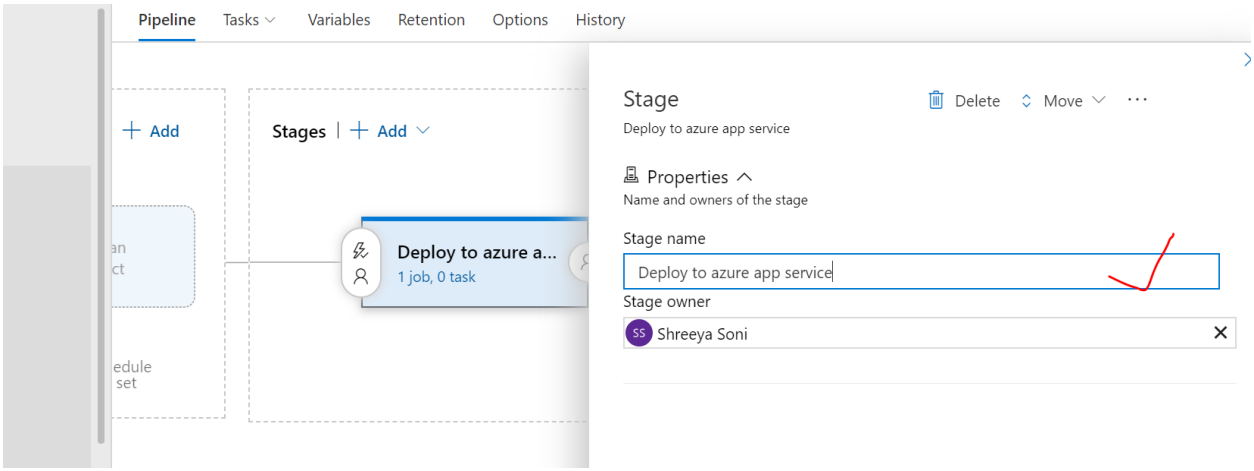
Now click on Releases from the left menu as shown below.



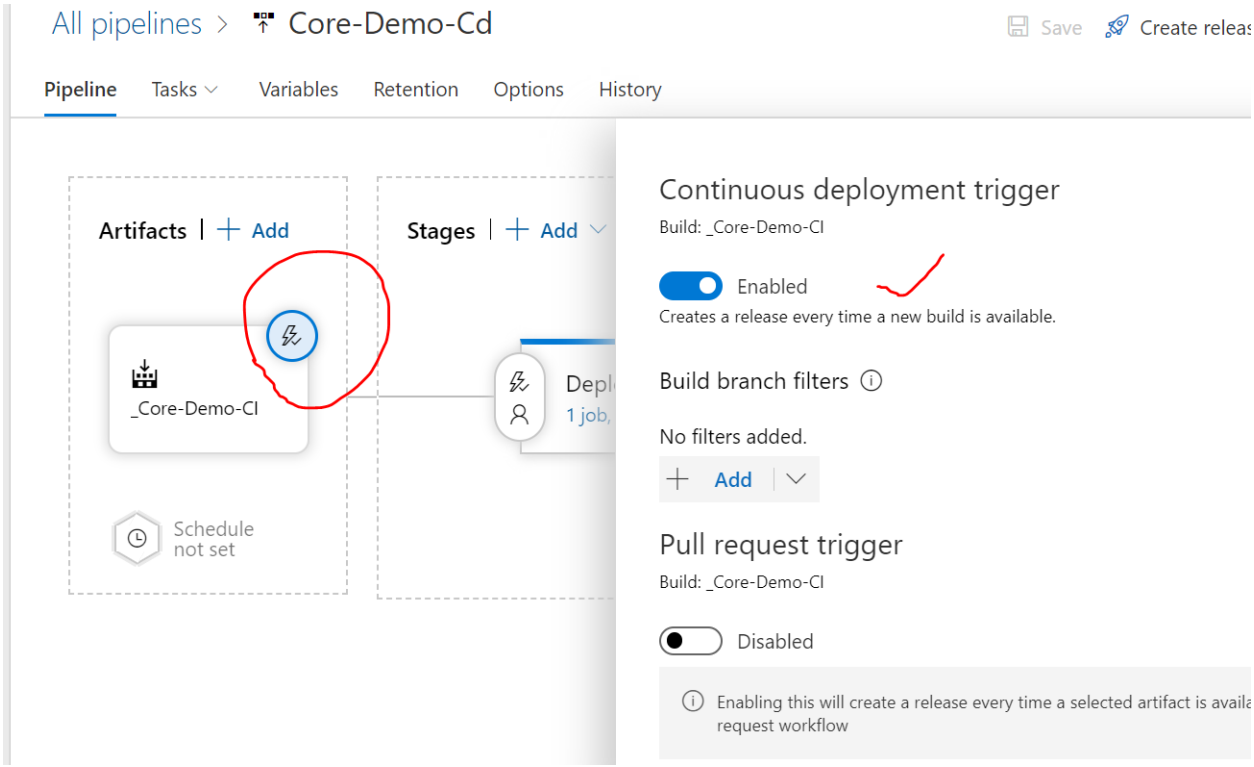
Once you selected release, then click on create new pipeline. You will get below page. Click on empty job.



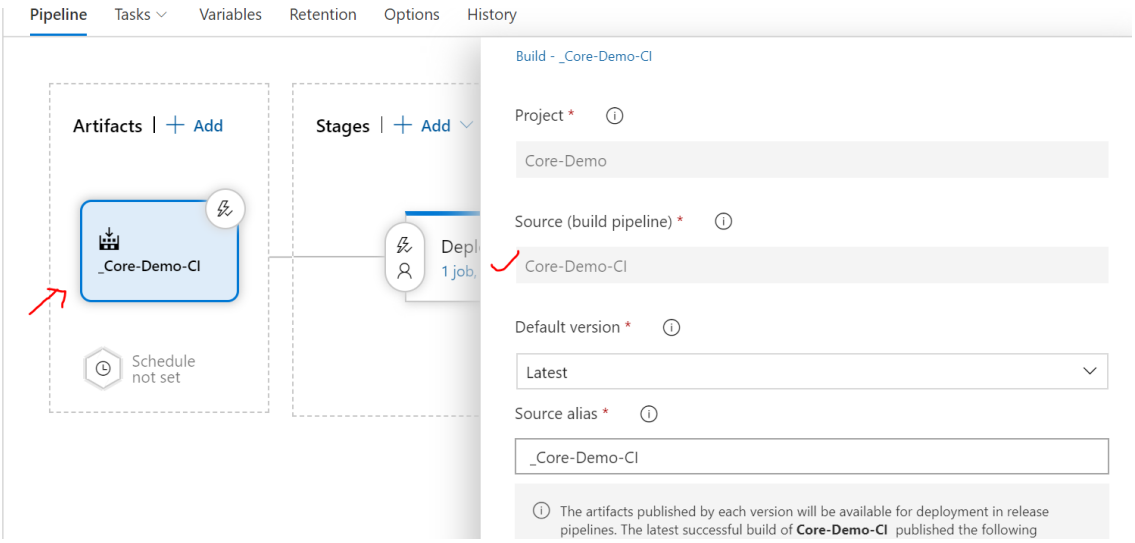
After it ,you will get below page ,change the stage name to Deploy to Azure app service and save it.



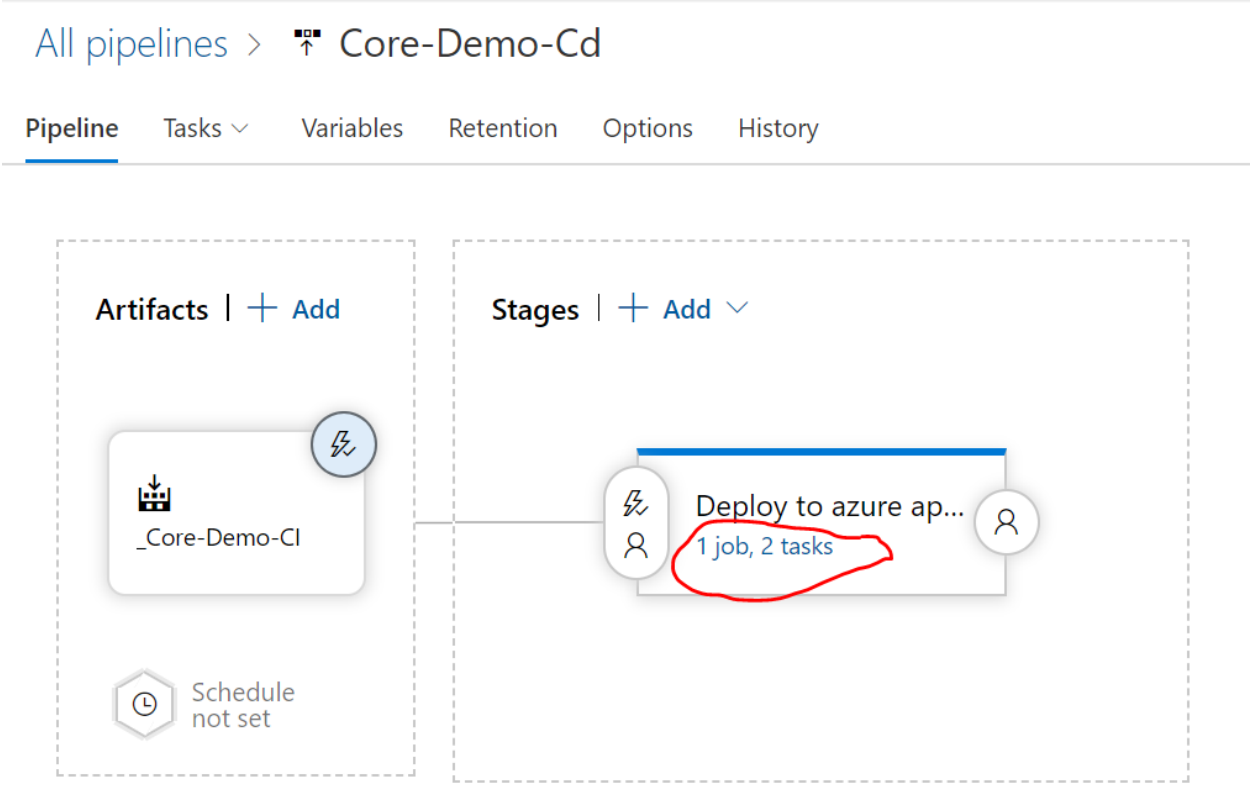
Now you will get below page, click on trigger as shown below and enable CD.



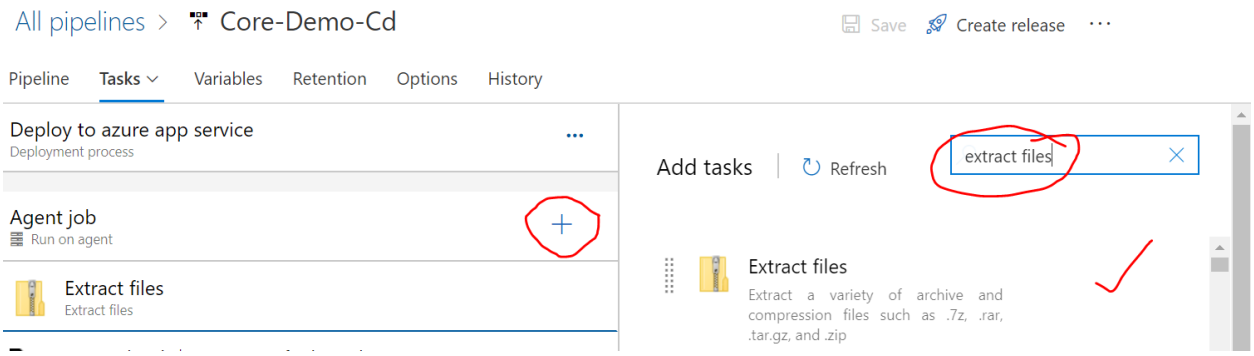
Now click on artifacts,and select the source which will be your CI name.



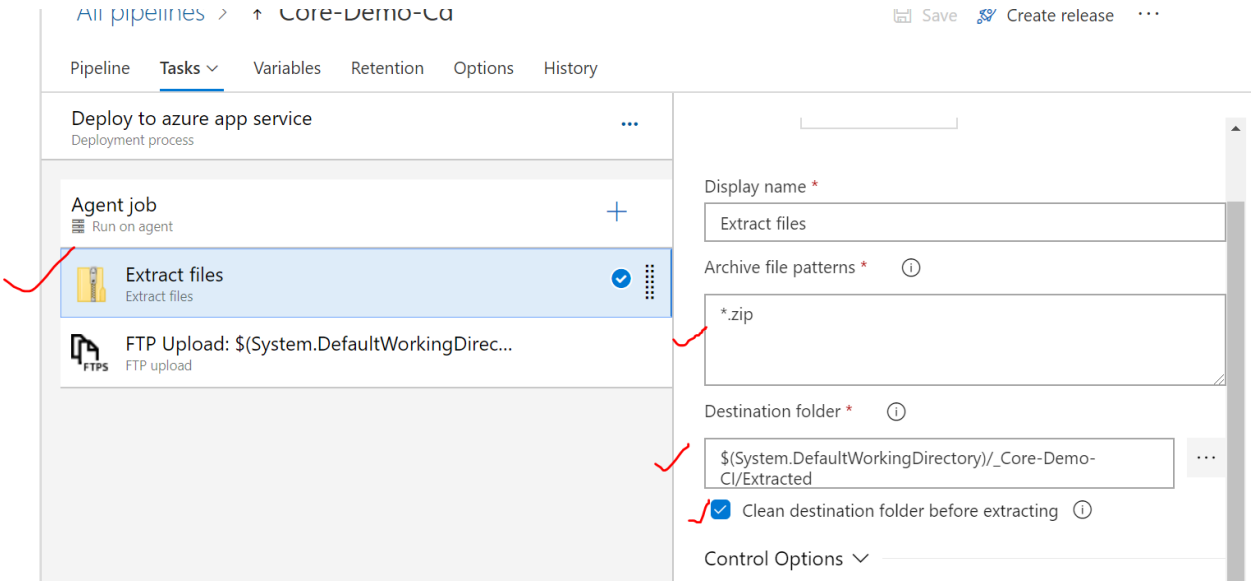
Now click on 1 job,2 tasks link as show below. For you it will show 0 tasks as there will not be any tasks



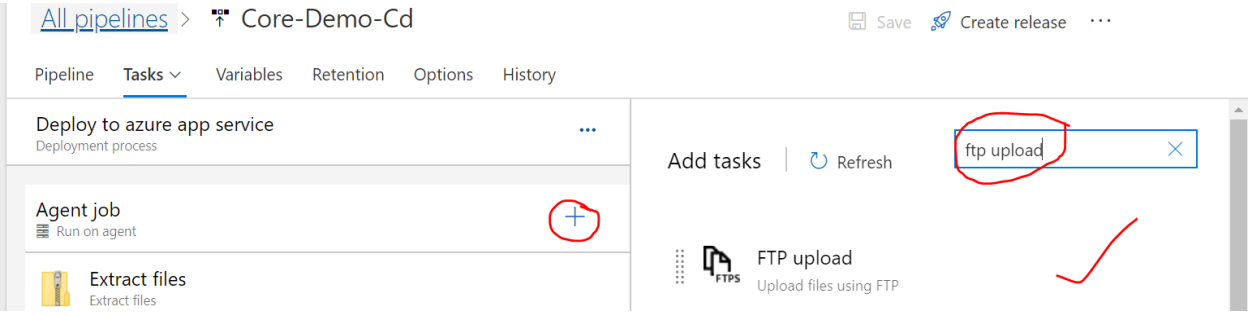
Once again you click on plus sign, you will get below pop-up to seach.Search for extract files,select and add it.



Now select extract files from the tasks and write the following commands as shown below. Go to three dots select the CI alias name given to ci pipeline. Then add the folder name extracted where you want to extract the files



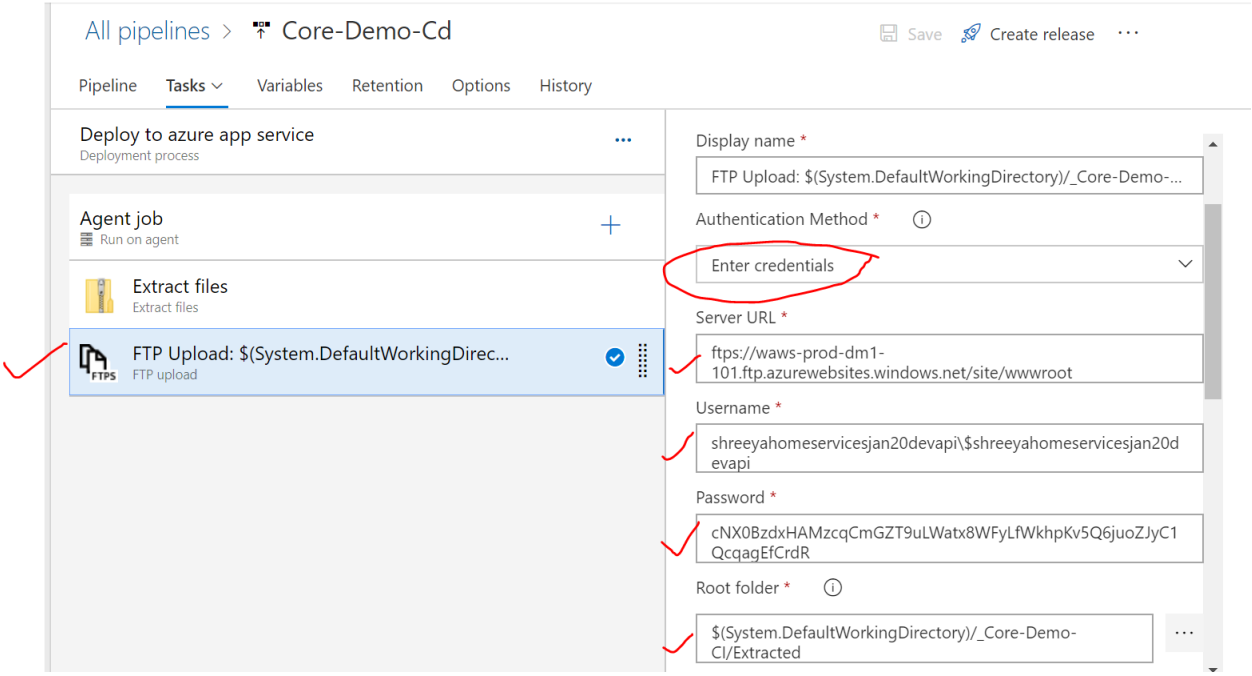
Once again you click on plus sign, you will get below pop-up to seach.Search for FTP Upload, select and add it to your task.



Select FTP upload and write the below command as shown.

Here your root folder and will be same as destination folder given in extract files task above.

[Note]For FTP you first need to create app service in azure portal ,get the url, username and password from app service→deployment center→FTP.



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