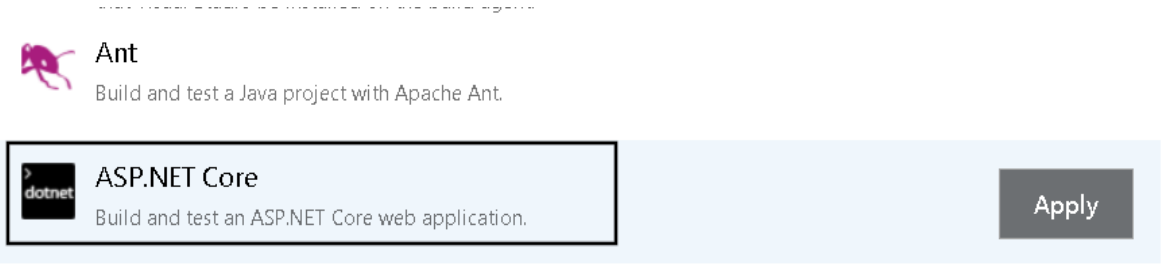
#Deploy .Net app using Pipelines

What is .Net?

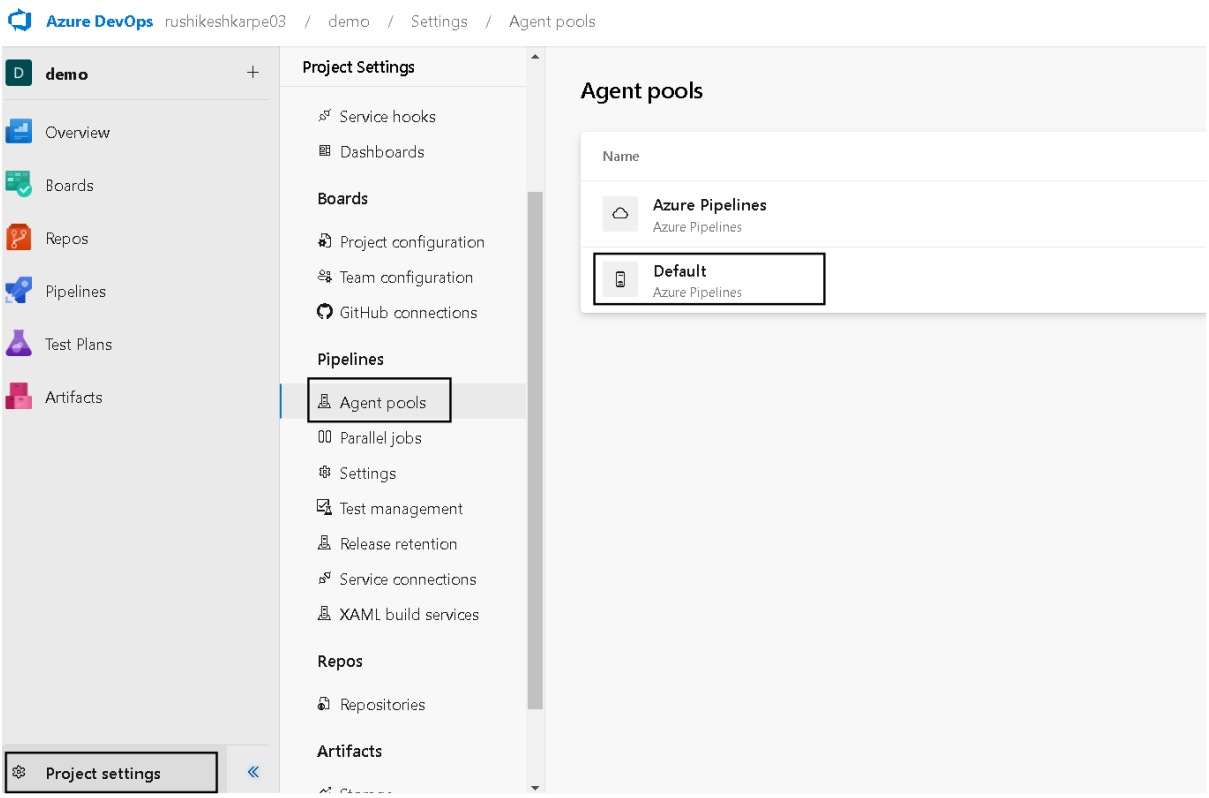
.NET is a free, cross-platform, open-source developer platform for building many kinds of applications. It can run programs written in multiple languages, with C# being the most popular. It relies on a high-performance runtime that is used in production by many high-scale apps.

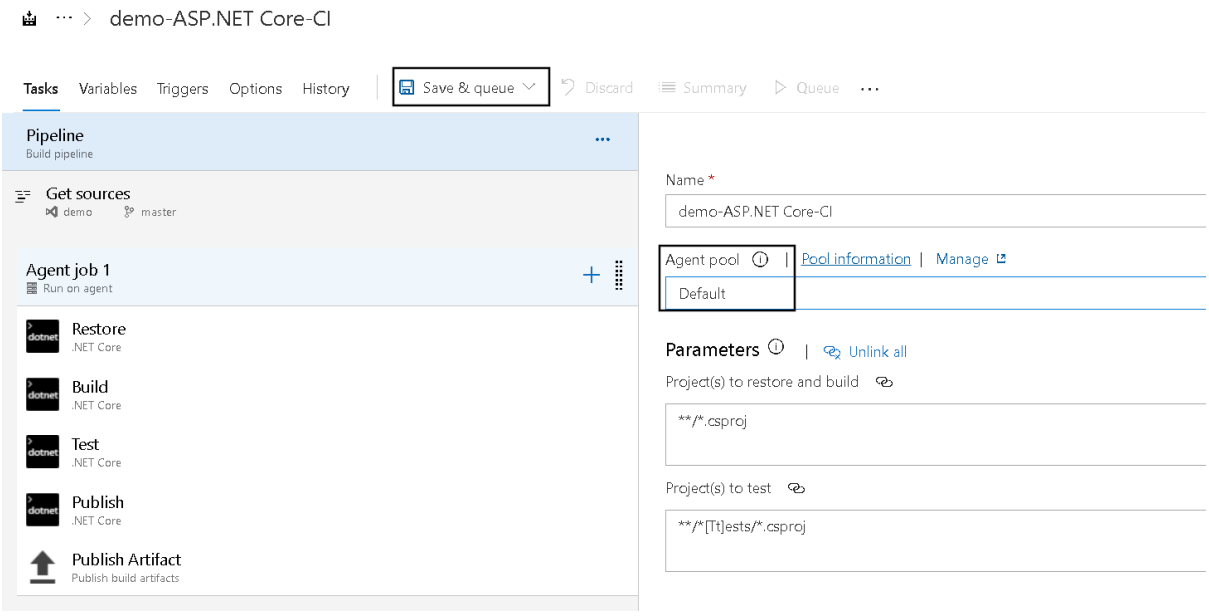
Steps—

1)Create a .net mvc using visual studio→ push that on repo→ active agent →go to pipeline → now enable classic editor option → go to pipeline settings →disable creation pipeline → enable that both options → got to Organization settings →disable creation of classic build pipeline → disable below also → go to project → create pipeline → click on use the classic editor button → select azure git → provide repo name and all → continue → search ASP .Net → click on that → Apply → click inside agent pool → default → Click on Save and queue button → provide comments(its optional) → save → click on agent job1 → there should executing pipelines →its building → so we have to deploy project so we have to create a web app → duplicate the web app in Azure.

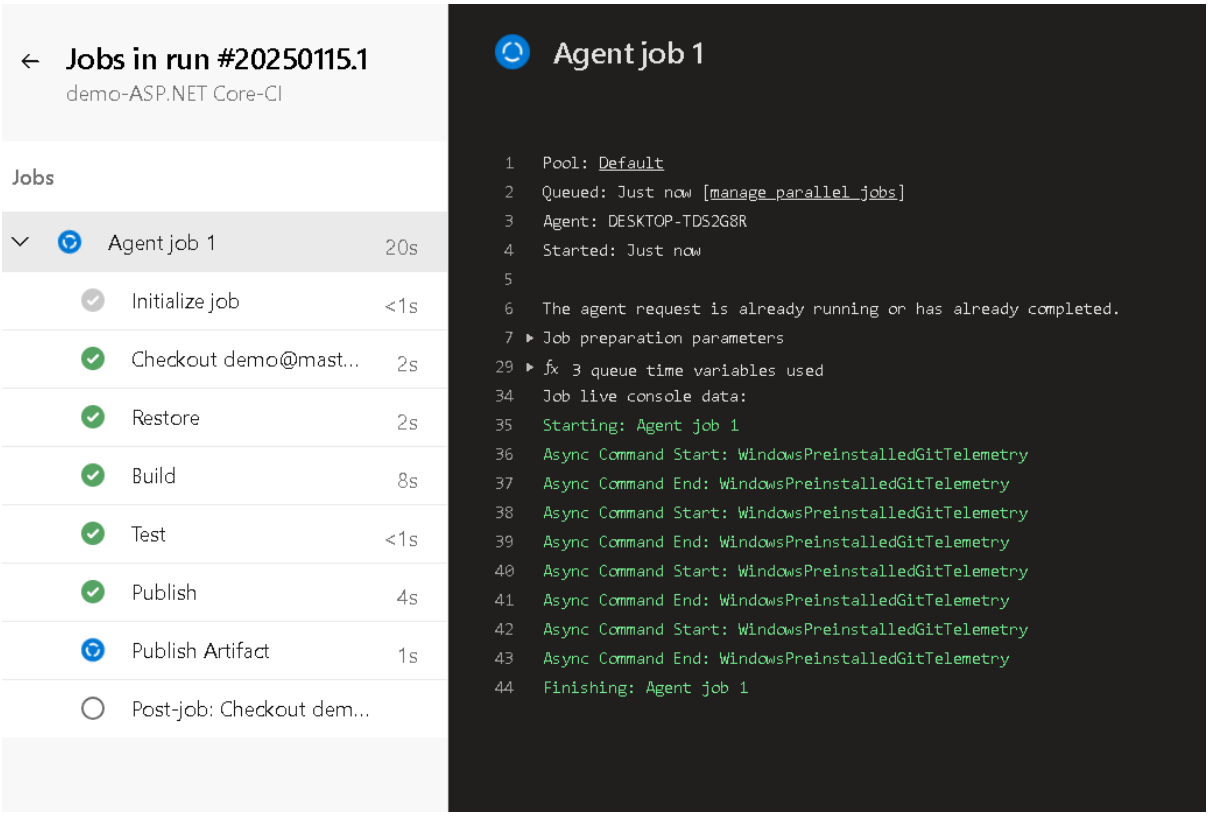


Click on Apply button to add the .Net core.



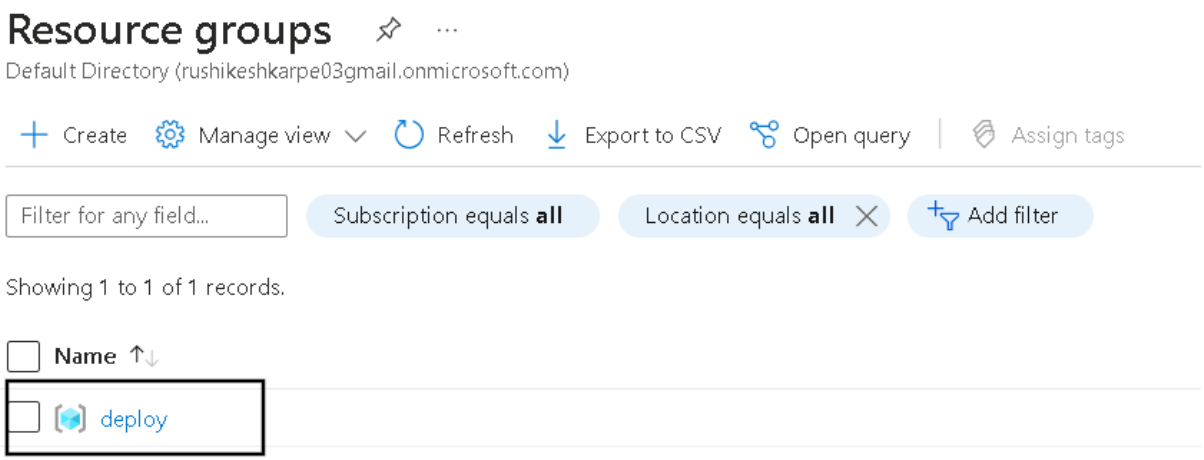


Wait for some time till all the process performed completely. Then onwards it will show you, your executing pipelines.

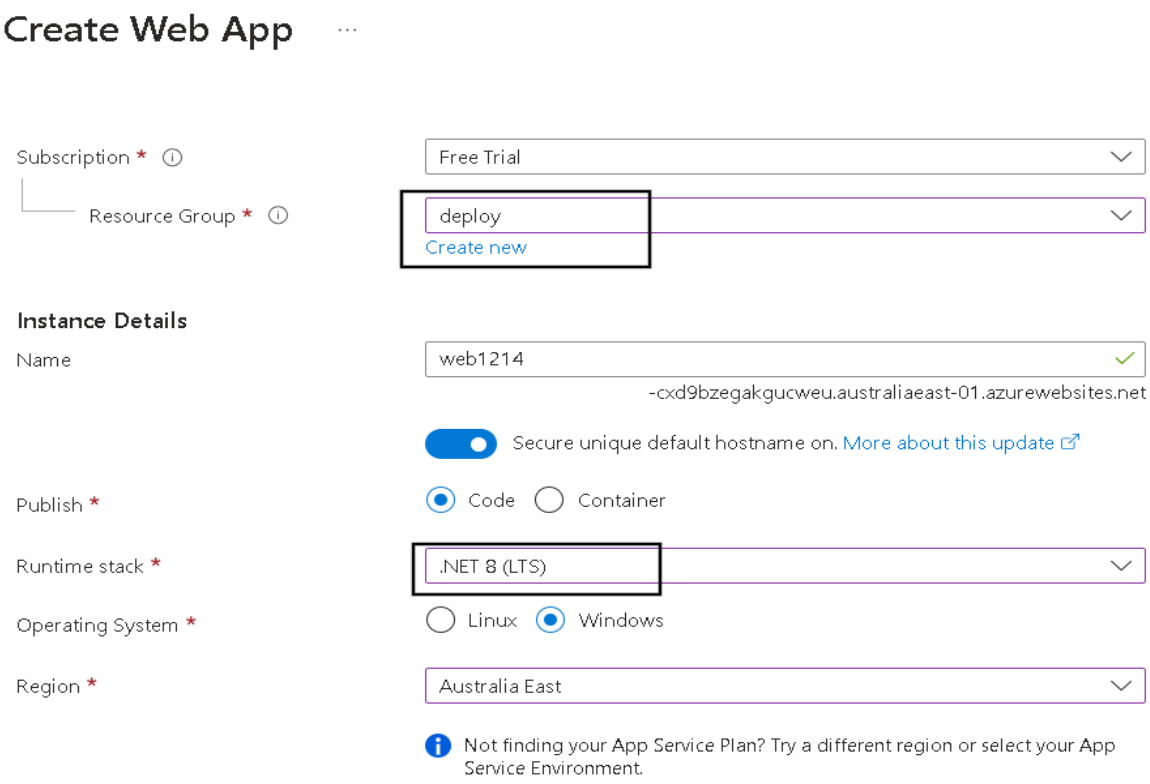


Steps—

Create a RG → Search webapp → click on app services → create → webapp → select RG → provide domain name → select .Net 8 → select region → select OS as windows → review+create → create → if error then delete a automatically created resource group → change region and try again

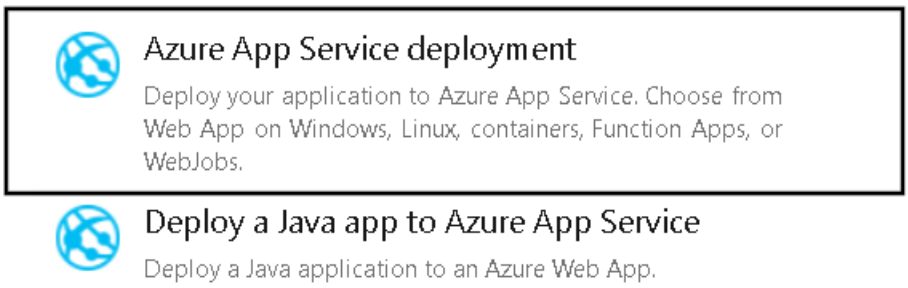


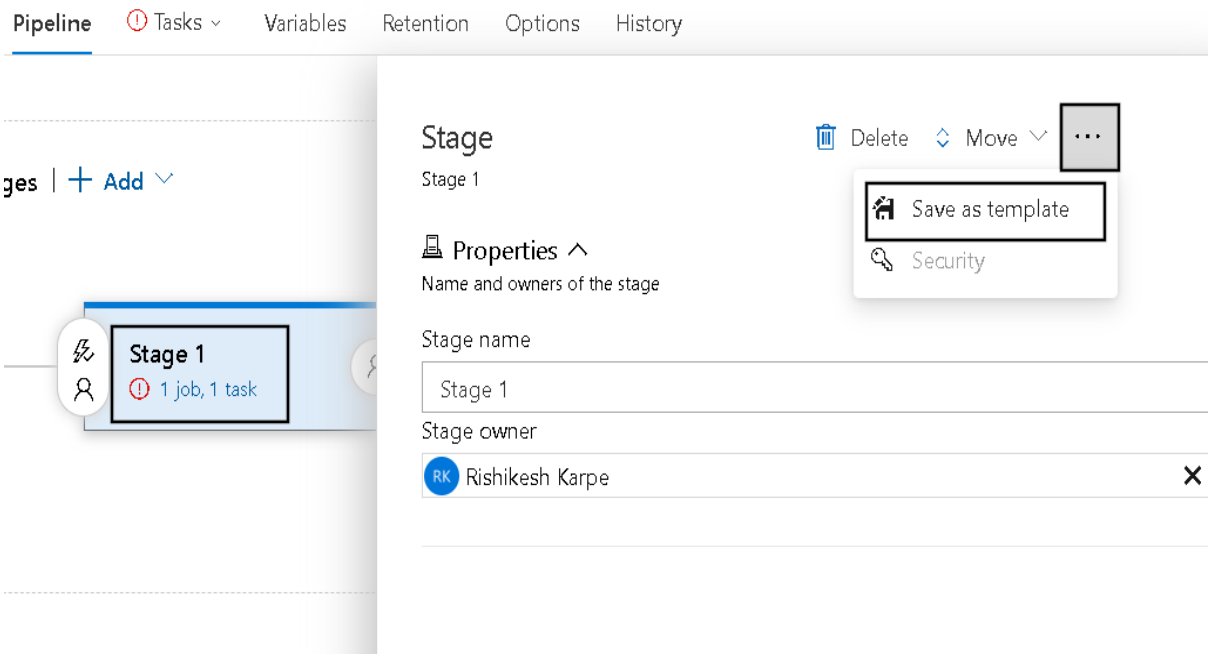
If it shows error after creating the Webapp change the region of resource group and create RG again. Delete the previous one.

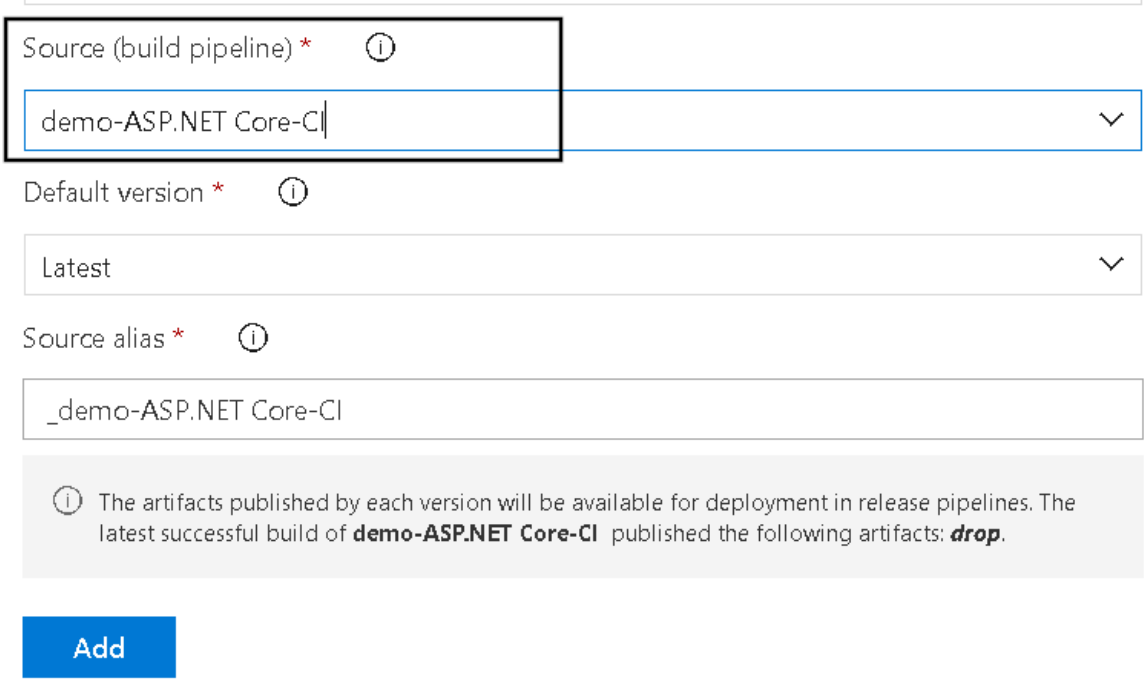


Steps—

After creating web app → go to pipelines tab → click on release under pipeline → new pipeline → select Azure app service deployment on right side → click → click on three dots → save as template → provide name → there should be name New release pipeline → we have to do mapping of pipelines → click on → Add button infront of artifacts → select pipeline from dropdown → add → click on stages one job one task → click on azure subscription → click on free tier → authorized → login if required → click web app from azure service app.



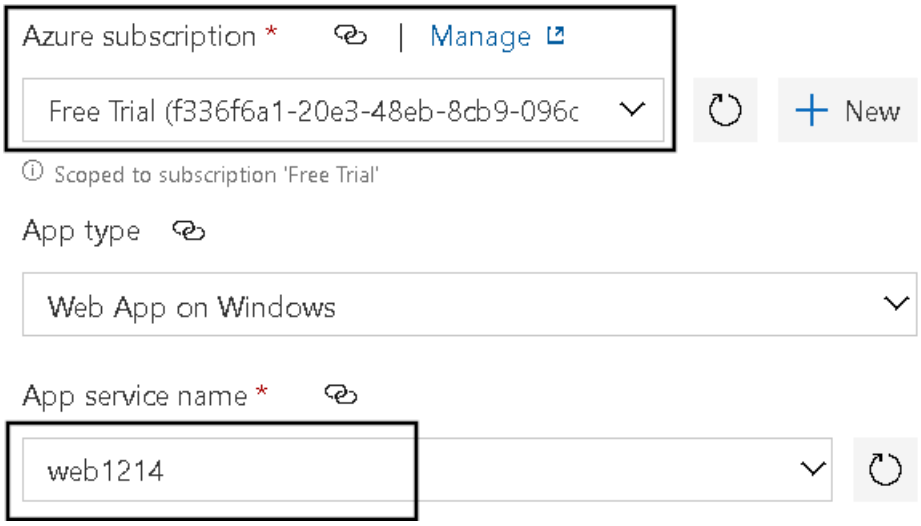


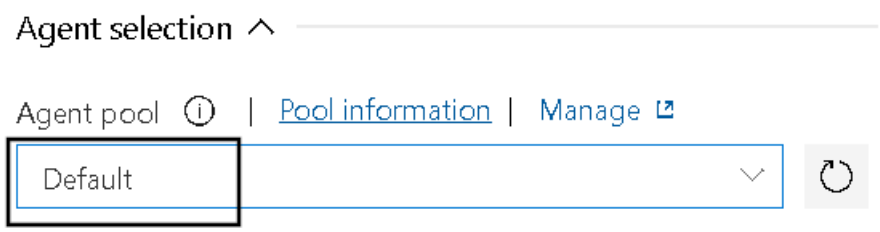


For selecting the Azure subscription, select the free tier subscription. You have to login if required. Here we have created a CI/CD pipeline.

Steps—

Click on run on agent → select default agent → click on create release

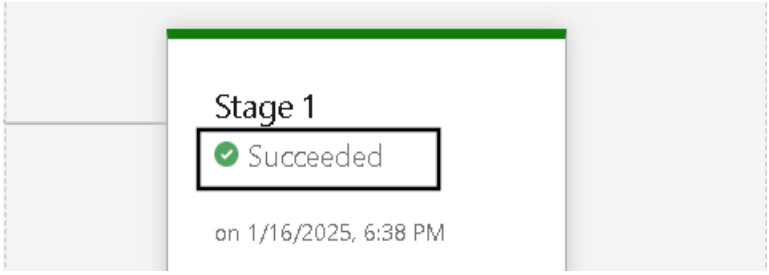


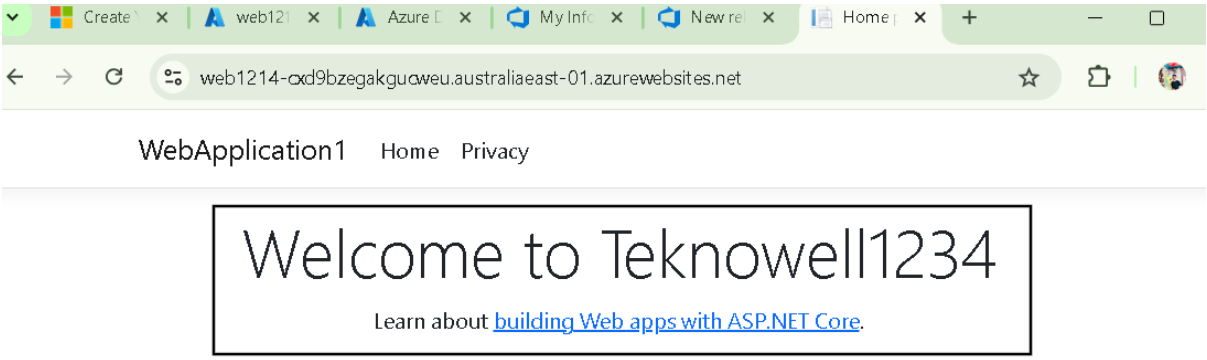


Click on release-1 from yellow bar. So the deployment has started after executing click on succeed.

It takes some time to succeed. For this it is mandatory to run the agent and the status of the pipeline should be Online.

Go to Webapp copy the domain name and paste it in new tab. There should be running project.





Go to repos, change something in view of index.html and run the pipeline again