

USECASE-1: Setup Azure DevOps CI CD Pipeline for App service Application and deploy to Dev, QA and Production Server. Add Approver for every stage.

1. Create a folder in your local system and download the dotnet application in the folder.
Use the commands:
 - dotnet new sln
 - dir
 - dotnet new mvc -n HelloworldApp.web
 - dotnet sln HelloworldApp.sln add
HelloworldApp.web\HelloworldApp.web.csproj
2. Now the application is downloaded in to the folder.
3. In Azure Devops create a project (private).
4. The downloaded files in the folder need to be pushed into the Repo of the created project in Azure DevOps.
 - git init
 - git add .
 - git commit -m "msg"
 - git remote add origin url
 - git push -u origin --all
5. Now we need to create a CI CD Pipeline.
6. Azure DevOps -> pipeline -> create pipeline > use classic editor -> continue -> Asp.Net Core
7. You can see the Agent, who is responsible for running the job. At a time only one job can only run. Click on save and queued.
8. Save the commit after giving the commit message -> run.
9. Now you need to host to port.azure.com, In order to deploy the application into the Azure App services.
10. In Port.azure.com, create a resource group.
11. Create three app services for dev, QA and Production.
12. In order to deploy the application, use release pipeline.
13. Add stage -> Azure App service deployment
14. Stage name: Development
15. For setting up the connection -> manage -> create service connection -> Azure Resource manager -> service principle (Automatic) -> select Resource group -> fill connection name -> save
16. Now create the other two stages in same way for the QA and production.
17. Now Enable the post deployment approvals by clicking on the stages.
18. Add an artifact (consist of all the files and packages for the application) -> build -> web app asp .net core -> add -> save -> create release -> create.

dev.azure.com/keerthiazure/webapp/_releaseProgress?_a=release-pipeline-progress&releaseId=2

Azure DevOps

keerthiazure / webapp / Pipelines / Releases / New release pipeline / Release-2

webapp

Overview

Boards

Repos

Pipelines

Pipelines

Environments

Releases

Library

Task groups

Deployment groups

Test Plans

Artifacts

Project settings

New release pipeline > Release-2

Pipeline Variables History + Deploy Cancel Refresh Edit ...

Release

Manually triggered

by azure-account

4/22/2021, 5:44 PM

Artifacts

_webapp-ASP.NET Cor...

20210422.1

master

Stages

Development

Succeeded

on 4/22/2021, 5:47 PM

QA

Succeeded

on 4/22/2021, 5:49 PM

QA

Post-deployment conditions + Succeeded

Approvers View logs

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Artifacts

_webapp-ASP.NET Cor...

20210422.1

master

Stages

Development

Succeeded

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QA

Succeeded

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Production

Succeeded

on 4/22/2021, 5:50 PM

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