**The build should trigger as soon as anyone in the dev team checks in code to master branch**.

We will enable the continuous trigger option and set the branch filter to master. Refer the below screenshot.

A screenshot of a cell phone screen with text

Description automatically generated

**There will be test projects which will create and maintained in the solution along the Web and API. The trigger should build all the 3 projects - Web, API and test.**

**The build should not be successful if any test fails.**

We will build the solution file (Build Argument “/p:DeployOnBuild=true /p:WebPublishMethod=Package /p:PackageAsSingleFile=true /p:SkipInvalidConfigurations=true /p:PackageLocation="$(build.artifactstagingdirectory)\\"”) and we have used Visual Studio Test to run the Test.dll of the project. Also enabled “Fail if there are test failures” in Publish Test Results Task.

Published the WebApp and Web API Pkgs to drop which can be used in the Release Pipeline

Refer the below screenshots for the same

Graphical user interface, application

Description automatically generated

A screenshot of a flat screen television

Description automatically generated

**The deployment of code and artifacts should be automated to Dev environment.**

**Upon successful deployment to the Dev environment, deployment should be easily promoted to QA and Prod through automated process.**

**The deployments to QA and Prod should be enabled with Approvals from approvers only.**

Enabled Trigger in the Release Pipeline so that once build completes it will trigger the Release Pipeline. Added Pre-Approvers for QA and PROD. WebApp Pkgs will be deployed to Web App for Windows and API are deployed to API App.

Refer the below screenshot

Chart

Description automatically generated

A picture containing graphical user interface

Description automatically generated