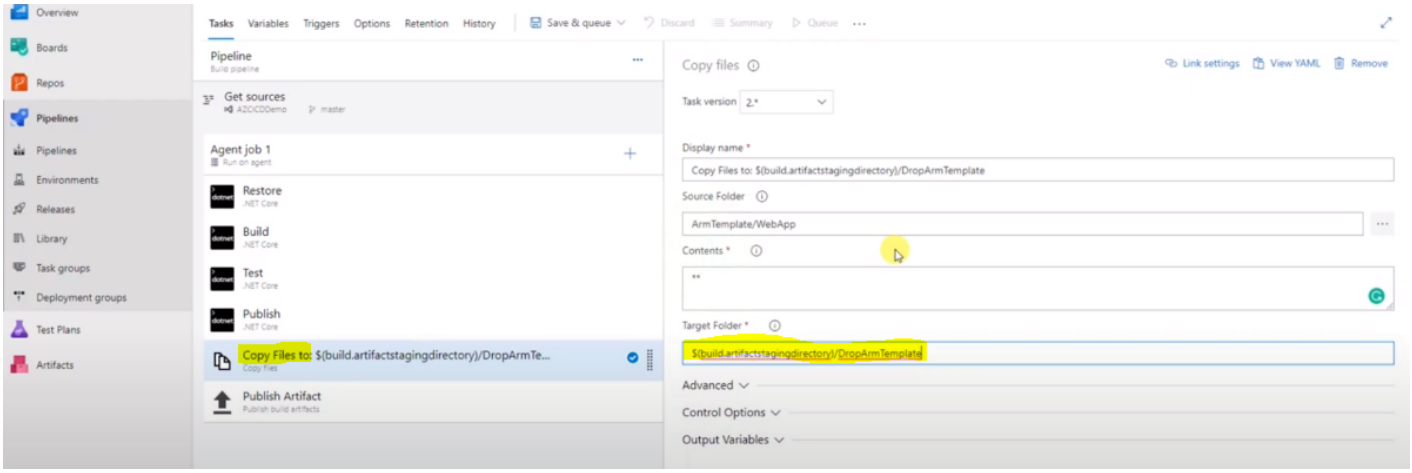
Deployment of ARM Templates via Azure Devops

Prerequisites:

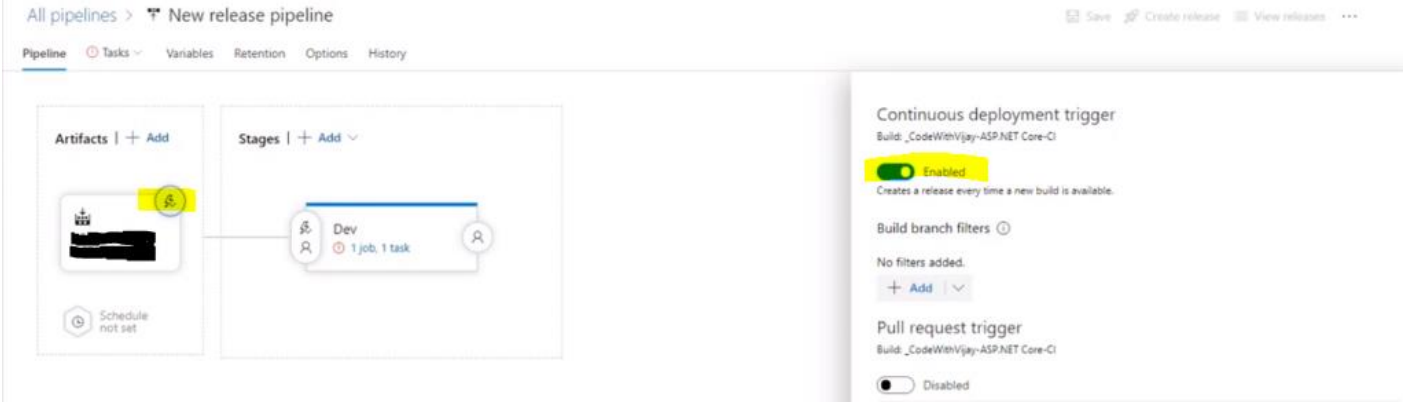
- An Azure infrastructure must be configured (Azure tenant) before starting a new Azure Devops project.
- In order to deploy ARM Templates in continuous manner, a CI\CD pipeline is required. The CI\CD pipeline can be created in an Azure Devops project (requires sign up to Azure Devops\Sign in to an existing Azure Devops environment).
- In Azure, configure the resource required for the ARM Template creation and before creating it choose "**Download a template for automation**"
- Import the Template to Visual Studio and Push it to a Git repository

Deployment of ARM Templates in Azure Devops:

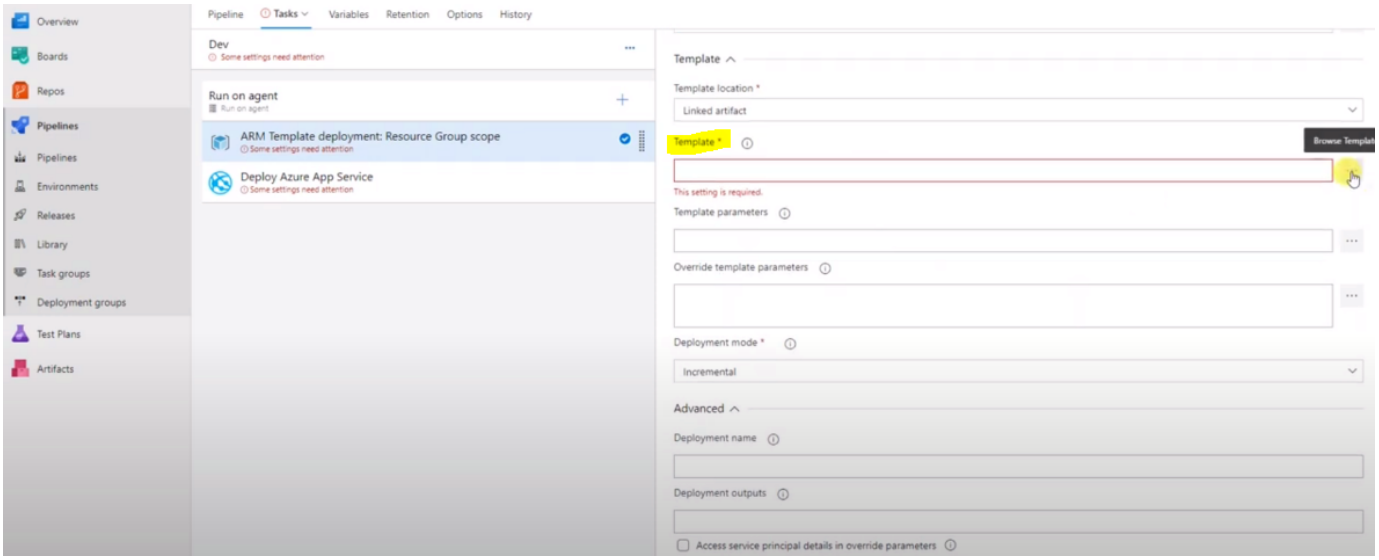
- Sign in and create a new project in Azure Devops (https://dev.azure.com)
- Add the required users to the Azure Devops project (restrict permissions if required)
- In Azure Devops, connect the **Azure Repos** to the Git repository containing the ARM Templates
- In Azure Devops, copy the ARM template files from **Azure Repos** to the **Azure Artifacts** for future use in the pipeline. It is done by adding an additional task in a new **Azure Pipeline** called **Copy files.**



- After the ARM Template is in place within the **Azure Artifacts**, we create a new **Release Pipeline** (in the Azure Pipeline section). To ensure the continuous deployment of a release, need to check the **Continuous Deployment Trigger** to **Enabled**



- In the first stage of the **Release Pipeline**, we need to add an **ARM Template deployment: Resource Group Scope** task. This task will point to the location of the **Azure Artifact** (ARM Template and the template parameters) that we configured in the previous steps



- If no variable changes needed (the pipeline will use the template parameters), click on the **Create a Release**, monitor the progress and upon success the ARM Templates are deployed in the destination Azure Tenant.