#### **New Build Pipeline Steps**

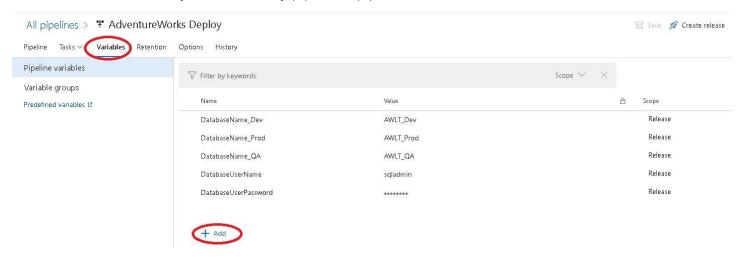
- 1) Source = TFVC/Git
- 2) Start with an Empty Job
- 3) Add Agent Tasks
  - i) Add VSBuild Task
    - (1) Select SLN/Solution File from your Repo
    - (2) Set MSBuild Arguments for SQLPackage
    - (3) Platform Any cpu
    - (4) Config release
  - ii) Add Copy Files Task
    - (1) DisplayName Copy Files to: \$(build.artifactstagingdirectory)
    - (2) Source Folder \$/SQL Server/DatabaseProjects/DevOpsDemo/AWLT
    - (3) Contents \*\*\bin\\*\*
    - (4) Target Folder \$(build.artifactstagingdirectory)
  - iii) Add Publish Build Artifact
    - (1) Display Name Publish Artifact: AW\_LT
    - (2) Path to Publish: \$(Build.ArtifactStagingDirectory)
    - (3) Artifact Name: AW\_LT
    - (4) Artifact publish location: Azure Pipelines

#### **New Release Pipeline Steps**

- 1) Add Artifact (input)
  - a) Select Project
  - b) Select Source
  - c) Default version Latest
  - d) Source Alias leave
- 2) Add Stage
  - a) Rename Stage to Prod
  - b) Add Empty Job
  - c) Click 1 Job, 0 Tasks
  - d) Edit Job Properties, under Demands, add sqlpackage/exists
  - e) Add Tasks to Agent Job
    - i) Select Azure SQL DacPac Task blue cloud
    - ii) Set Task properties
      - (1) Azure subscription
      - (2) Auth Type SQL
      - (3) SQL Server insyncva.database.windows.net
      - (4) Database use variable
      - (5) Login use variable
      - (6) Password use variable
      - (7) Deploy Type- SQL DacPac file
      - (8) Action Publish
      - (9) DacPac File browse to dacpac
      - (10) Publish Profile empty
      - (11) Additional SqlPackage.exe Arguments
        - (a) /p:DatabaseEdition=Basic is the Product SKU

#### **Variables**

Variables are useful when you create many pipelines, pipelines via automation or via YAML



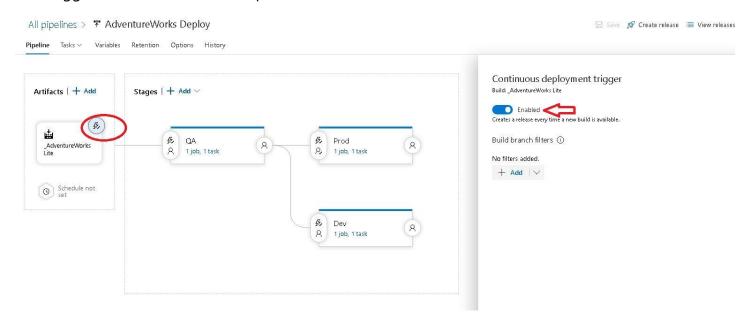
The list of pre-defined pipeline variables is here:

https://docs.microsoft.com/en-us/azure/devops/pipelines/build/variables?view=azure-devops&tabs=yaml

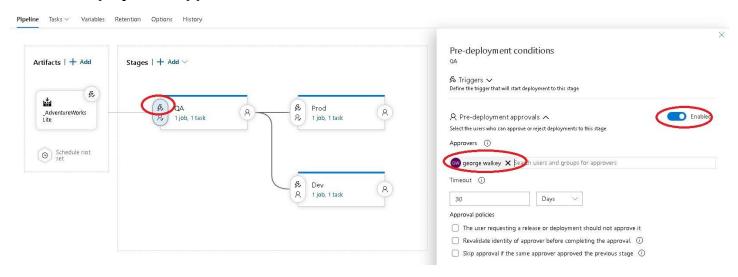
The most common variable is \$(build.artifactstagingdirectory)

## **CI/CD Trigger**

The Trigger lives on the Release Pipeline Artifact



## **Pre-Post Deployment Approvals – Sends an Email**



#### **Build Pipeline - Arguments**

## **MSBuild arguments**

/p:DeployOnBuild=true
/p:WebPublishMethod=Package
/p:PackageAsSingleFile=true
/p:SkipInvalidConfigurations=true
/p:PackageLocation="\$(build.artifactstagingdirectory)\\"
/p:DropObjectsNotInSource=false

#### **Copy File Task Args**

Display Name: Copy Files to: \$(build.artifactstagingdirectory)

Contents: \*\*\bin\\*\*

Target Folder: \$(build.artifactstagingdirectory)

#### **Publish Build Artifact Args**

Display Name: Publish Artifact: AW\_LT

Path To Publish: \$(Build.ArtifactStagingDirectory)

Artifact Name: AW\_LT

Artifact publish location: Azure Pipelines

# **Release Pipeline – DacPac Task Args**

Azure Sub - pick your subscription

Azure SQL Server: sqlservername.database.windows.net

Database: \$(DatabaseName\_Prod)

Login: \$(DatabaseUserName)

Password: \$(DatabaseUserPassword)