New Build Pipeline Steps

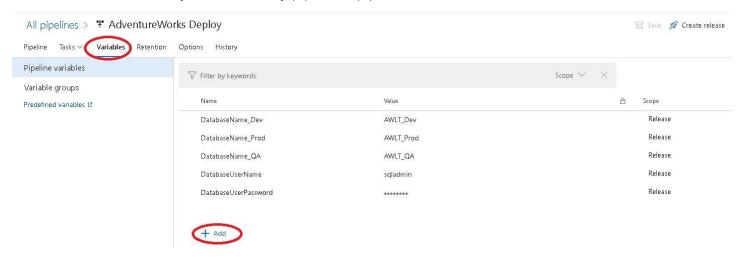
- 1) Source = TFCV/Git
- 2) Start with an Empty Job
- 3) Add Agent Tasks
 - i) Add VSBuild Task
 - (1) Select SLN/Solution File from your Repo
 - (2) Set MSBuild Arguments for SQLPackage
 - (3) Platform Any cpu
 - (4) Config release
 - ii) Add Copy Files Task
 - (1) DisplayName Copy Files to: \$(build.artifactstagingdirectory)
 - (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



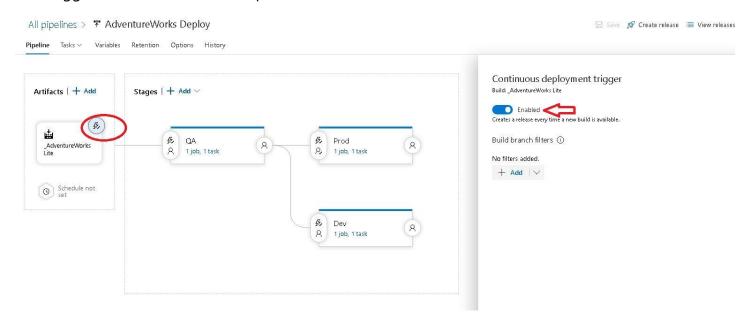
The list of pre-defined pipeline variables is here:

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

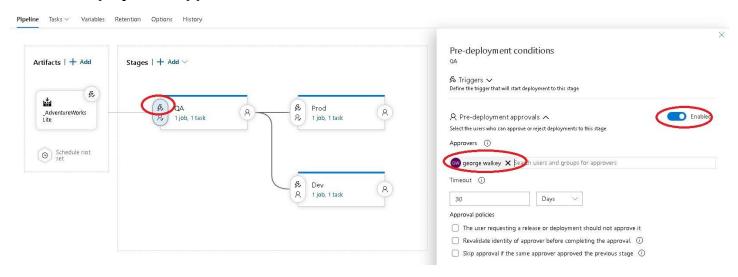
The most common variable is \$(build.artifactstagingdirectory)

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)