START (*-start.yml) Template extends ---- CI (*-ci.yml) Template ----- includes ---- CD (*-cd.yml) Template

Validation Gate

'Development

'SecurityScans'

'Security Scans'

'SecurityScans'

'refs/heads/release'),

'refs/heads/release/')) }}:

'SecurityReview

'Production'

'refs/heads/release'),

'refs/heads/release/')) }}:

\$ (productionStageVmImage

name: Create PR Universal Package

'Production'

- task: UniversalPackages@0

command: 'publish'

publishDirectory:

vstsFeedPublish:

versionOption:

versionPublish:

feedsToUsePublish:

vstsFeedPackagePublish:

inputs:

\$ (securityScansStageVmImage)

startsWith(lower(variables['Build.SourceBranch']),

...<snip>...

startsWith(lower(variables['Build.SourceBranch']),

- script: echo Toolkit Version = \$(currentVersion)

.outputs['setVersion.semVersion']

'internal'

\$(semVersion)

\$(Agent.BuildDirectory)/drop

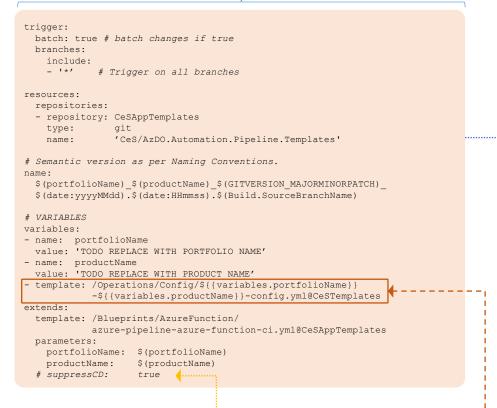
\$ (productionStageFeedPublish)

\$ (productionStagePackagePublish)

owned by development engineering team

Environment Service Connection

owned by cloud engineering and pipeline working group



Optional parameters

PARAIVIETER	VALUES	DESCRIPTION
forceCheck	'false', 'true'	Enforce validations, irrespective of source branch.
previews	'false', 'true'	Evaluate new preview features and provide feedback`.
verbose	'false', 'true'	Verbose logging.
forceToolbox	'false', 'true'	Force a reload of the toolbox config and scripts.
loadDVTBox	'no', 'yes'	If 'yes' load the DV toolbox, else load PROD toolbox.
customCDTemplate	'blueprint'	Default to app-type CD blueprint if 'blueprint', else override.
customQATemplate	'blueprint'	Default to app-type CD blueprint if 'blueprint', else override.
suppressCD	true, false	Suppress CD
suppressQA	true, false	Suppress QA Scans

DESCRIPTION

Your Application Repo

All changes should be made through and protected by the pull request workflow



App-type CI/CD Blueprint-based Pipeline Quick Reference

- name: portfolioName - stage: CI string displayName: Continuous Integration - stage: type: productName dependsOn: name: string # Configure the default agent pool and image to use for the pipeline - CI type: # Bootstrap optionals name: 'Azure Pipelines' vmImage: 'Windows-latest' type: boolean - stage: default: false displayName: name: forceToolbox dependsOn: boolean - job: ContinuClousIntegration - CI type: default: - Development name: previews - template: /Templates/Utility/git-tools-git-version.yml pool: tvpe: boolean parameters: vmImage: versionSpec: '5.x' default: false jobs: # CI Blueprint optionals - job: task: PowerShell@2 customCDTemplate steps: string name: setVersion - template: /Templates/DevSecOps/security-scans-cd.yml type: default: 'blueprint displayName: "Set Version" - \${{ if or(eq(lower(variables['Build.SourceBranch']), suppressCD name: inputs: targetType: 'inline' boolean script: Write-Host "##vso[task.setvariable variable name: customOATemplate variable=semVersion;isOutput=true] \$(GitVersion.MajorMinorPatch)" string - stage: type: 'blueprint failOnStderr: true - stage: default: name: suppressQA pwsh: true displayName: 'Security Review' boolean continueOnError: false dependsOn: false - Development loadDVTBox name: - template: /Templates/boot-strap.yml string parameters: type: default: 'no' bootstrapMode: - \${{ if or(eq(lower(variables['Build.SourceBranch']), applicationType: 'universal artifacts' applicationBlueprint: 'universal-artifact' \${{parameters.portfolioName}} productName: \${{parameters.productName}} - stage: sourcesDirectory: \$ (Build.SourcesDirectory) verbose: \${{parameters.verbose}} forceToolbox: \${{parameters.forceToolbox}} - SecurityScans \${{parameters.previews}} loadDVTBox: \${{parameters.loadDVTBox}} currentVersion: \$[stageDependencies.CI.CI - task: PublishBuildArtifacts@1 displayName: 'Publish Artifact' vmImage: PathtoPublish: '\$(Build.SourcesDirectory)/\$(publishFolder)' ArtifactName: 'drop' deployment: 'Production' environment: \$ (productionStageEnvName) - template: /Templates/boot-strap.yml strategy: parameters: bootstrapMode deploy: 'dotnet' applicationType: applicationBlueprint: 'universal-artifact' portfolioName: \${{parameters.portfolioName}} productName: \${{parameters.productName}} sourcesDirectory: \$ (Build.SourcesDirectory) verbose: \${{parameters.verbose}} forceToolbox: \${{parameters.forceToolbox}} previews: \${{parameters.previews}} loadDVTBox: \${{parameters.loadDVTBox}} - \${{ if and(ne(parameters.suppressCD, true), ne(lower(parameters.customCDTemplate), 'blueprint')) }}: - template: /Operations/Custom/\${{parameters.customCDTemplate}}.yml - \${{ if and(ne(parameters.suppressCD, true), eq(lower(parameters.customCDTemplate), 'blueprint')) }}: - template: /Blueprints/ArtifactsUniversal/ azure-pipeline-universal-artifact-cd.yml

CeS.Automation.Pipelines.Templates Repo ____ All changes made through and protected by the pull request wortkflow

Variable Template (config)

name: productionStageEnvName value: 'SHARED PR Universal Artifacts' - name: productionStageVmImage value: 'windows-latest' productionStageFeedPublish value: '9e070486-893d-44c7-8840-2e82011555b6/60506877-90cb-47b3-aa4c-cdd1b05db462' - name: productionStagePackagePublish value: 'toolbox'

includes