trigger: none # Only runs on manual or scheduled

resources:

pipelines:

- pipeline: build

source: ccdc-batch-jobs # name of your CI pipeline

trigger: true

variables:

- group: Batch-CD-Config # your variable group

stages:

- stage: Deploy

displayName: 'Deploy to Azure Batch'

jobs:

- job: BatchDeploy

displayName: 'Upload, register, set default, recycle pool, run job/task'

pool:

vmImage: 'ubuntu-latest'

steps:

# 1. Download the artifact

- download: build

artifact: pythonApp

# 2. Upload ZIP to Azure Storage

- task: AzureCLI@2

displayName: 'Upload ZIP to Azure Storage'

inputs:

azureSubscription: 'CCDC-DEV-UAT-SPN'

scriptType: bash

scriptLocation: inlineScript

inlineScript: |

az storage blob upload \

--account-name $(storageAccount) \

--container-name $(container) \

--name app.zip \

--file $(Pipeline.Workspace)/pythonApp/app.zip \

--overwrite \

--auth-mode login

# 3. Register app package & set as default version in Batch

- task: AzureCLI@2

displayName: 'Register application package and set as default'

inputs:

azureSubscription: 'CCDC-DEV-UAT-SPN'

scriptType: bash

scriptLocation: inlineScript

inlineScript: |

# Register app package with $LATEST version

az batch application package create \

--account-name $(BatchAccount) \

--resource-group $(System.DefaultWorkingDirectory) \

--application-id $(appId) \

--version "latest" \

--storage-url "https://$(storageAccount).blob.core.windows.net/$(container)/app.zip"

# Set 'latest' as the default version

az batch application set \

--account-name $(BatchAccount) \

--resource-group $(System.DefaultWorkingDirectory) \

--application-id $(appId) \

--default-version "latest"

# 4. Recycle the pool (delete & recreate for all nodes to use the latest version)

- task: AzureCLI@2

displayName: 'Recycle pool (delete & recreate)'

inputs:

azureSubscription: 'CCDC-DEV-UAT-SPN'

scriptType: bash

scriptLocation: inlineScript

inlineScript: |

POOL\_ID="pool-$(date +%s)"

JOB\_ID="job-$(date +%s)"

# Delete existing pool if exists (ignore errors)

az batch pool delete \

--account-name $(BatchAccount) \

--pool-id $POOL\_ID \

--yes || true

# Create new pool

az batch pool create \

--account-name $(BatchAccount) \

--id $POOL\_ID \

--vm-size $(vmSize) \

--target-dedicated-nodes 1 \

--image $(nodeImage) \

--node-agent-sku-id "$(nodeSku)"

# 5. Create job and task using the new pool and the LATEST app package

- task: AzureCLI@2

displayName: 'Create job and submit task'

inputs:

azureSubscription: 'CCDC-DEV-UAT-SPN'

scriptType: bash

scriptLocation: inlineScript

inlineScript: |

POOL\_ID="pool-$(date +%s)"

JOB\_ID="job-$(date +%s)"

# Create job

az batch job create \

--account-name $(BatchAccount) \

--id $JOB\_ID \

--pool-id $POOL\_ID

# Submit task

az batch task create \

--account-name $(BatchAccount) \

--job-id $JOB\_ID \

--task-id "run-task" \

--application-package-references $(appId)#latest \

--command-line "/bin/bash -c 'python3 main.py'"