# Step 3. Create Auto pool (Working Solution)

- task: AzureCLI@2

displayName: 'Create Azure Batch Job with Auto Pool'

inputs:

azureSubscription: 'CCDC-DEV-UAT-SPN'

scriptType: 'pscore' # Use PowerShell Core

scriptLocation: 'inlineScript'

powerShellErrorActionPreference: 'stop'

addSpnToEnvironment: true

inlineScript: |

# Login to the batch account

Write-Host "Logging into Batch account..."

az batch account login --name $(BatchAccount) --resource-group $(batchResourceGroup)

if ($LASTEXITCODE -ne 0) {

throw "Failed to login to batch account"

}

Write-Host "Successfully logged in to batch account"

# Job configuration with auto-pool - using simpler job ID for testing

$timestamp = Get-Date -Format "yyyyMMddHHmmss"

$jobId = "$(appId)-$timestamp"

Write-Host "Creating job with ID: $jobId"

# Create job with auto-pool specification

$jobDefinition = @{

id = $jobId

poolInfo = @{

autoPoolSpecification = @{

autoPoolIdPrefix = "autopool"

poolLifetimeOption = "job"

keepAlive = $false

pool = @{

vmSize = "$(vmSize)"

virtualMachineConfiguration = @{

imageReference = @{

publisher = "canonical"

offer = "0001-com-ubuntu-server-focal"

sku = "20\_04-lts"

version = "latest"

}

nodeAgentSkuId = "batch.node.ubuntu 20.04"

}

targetDedicatedNodes = 1

}

}

}

}

# Convert to JSON

$jobJson = $jobDefinition | ConvertTo-Json -Depth 10

# Save JSON to file

$jobJson | Out-File -FilePath "job.json" -Encoding UTF8

Write-Host "Job JSON content:"

Get-Content "job.json"

# Create job with auto-pool

Write-Host "Creating batch job..."

az batch job create --json-file job.json

if ($LASTEXITCODE -ne 0) {

Get-Content "job.json" # Show JSON for debugging

throw "Job creation failed"

}

# Clean up

Remove-Item "job.json" -Force -ErrorAction SilentlyContinue

Write-Host "Job $jobId created successfully with auto-pool"

2nd merhod :

# Step 3. Create Auto pool (Simple PowerShell)

- task: AzurePowerShell@5

displayName: 'Create Azure Batch Job with Auto Pool'

inputs:

azureSubscription: 'CCDC-DEV-UAT-SPN'

ScriptType: 'InlineScript'

Inline: |

# Login to batch account

az batch account login --name $(BatchAccount) --resource-group $(batchResourceGroup)

# Create job

$jobId = "$(appId)-$(Build.BuildId)-$(Get-Random)"

# Create job JSON file

@"

{

"id": "$jobId",

"poolInfo": {

"autoPoolSpecification": {

"autoPoolIdPrefix": "autopool",

"poolLifetimeOption": "job",

"keepAlive": false,

"pool": {

"vmSize": "$(vmSize)",

"virtualMachineConfiguration": {

"imageReference": {

"publisher": "canonical",

"offer": "0001-com-ubuntu-server-focal",

"sku": "20\_04-lts",

"version": "latest"

},

"nodeAgentSkuId": "batch.node.ubuntu 20.04"

},

"targetDedicatedNodes": 1

}

}

}

}

"@ | Out-File -FilePath job.json

# Create the job

az batch job create --json-file job.json

# Cleanup

Remove-Item job.json

Write-Host "Job created successfully"

azurePowerShellVersion: 'LatestVersion'