# Step 3. Create Auto pool

- task: AzureCLI@2

displayName: 'Create Azure Batch Job with Auto Pool'

inputs:

azureSubscription: 'CCDC-DEV-UAT-SPN'

scriptType: 'bash'

scriptLocation: 'inlineScript'

addSpnToEnvironment: true

inlineScript: |

echo "Logging into Azure Batch account..."

# Login to the batch account

az batch account login \

--name $(BatchAccount) \

--resource-group $(batchResourceGroup)

if [ $? -ne 0 ]; then

echo "Failed to login to batch account"

exit 1

fi

echo "Successfully logged in to batch account"

# Create job JSON

cat > job.json <<EOF

{

"id": "$(appId)-$(Build.BuildId)-$RANDOM",

"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

}

}

}

}

EOF

# Create job with auto-pool

echo "Creating batch job..."

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

# Clean up

rm -f job.json

echo "Job created successfully with auto-pool"

2nd method :

# Step 3. Create Auto pool

- task: AzureCLI@2

displayName: 'Create Azure Batch Job with Auto Pool'

inputs:

azureSubscription: 'CCDC-DEV-UAT-SPN'

scriptType: 'bash'

scriptLocation: 'inlineScript'

addSpnToEnvironment: true

inlineScript: |

set -e

echo "Logging into Azure Batch account..."

# Login to the batch account

az batch account login \

--name $(BatchAccount) \

--resource-group $(batchResourceGroup)

echo "Successfully logged in to batch account"

# Job configuration with auto-pool

# Safely handle variables that might be empty

APP\_ID="$(appId)"

BUILD\_ID="$(Build.BuildId)"

# For Release variables, provide defaults if they're empty

RELEASE\_ID="${RELEASE\_RELEASEID:-$BUILD\_ID}"

ATTEMPT\_NUMBER="${RELEASE\_ATTEMPTNUMBER:-1}"

# Alternative: Use just Build variables if Release variables aren't available

JOB\_ID="${APP\_ID}-${BUILD\_ID}-${RELEASE\_ID}-${ATTEMPT\_NUMBER}"

echo "Creating job with ID: ${JOB\_ID}"

# Create temporary JSON file

TEMP\_JSON\_FILE="/tmp/batch\_job\_$$.json"

# Write JSON configuration

cat > "${TEMP\_JSON\_FILE}" <<'EOF'

{

"id": "'"${JOB\_ID}"'",

"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

}

}

}

}

EOF

# Create job with auto-pool

echo "Creating batch job..."

az batch job create --json-file "${TEMP\_JSON\_FILE}"

# Capture result

CREATE\_RESULT=$?

# Clean up temp file

rm -f "${TEMP\_JSON\_FILE}"

# Check result

if [ ${CREATE\_RESULT} -eq 0 ]; then

echo "Job ${JOB\_ID} created successfully with auto-pool"

else

echo "Failed to create job"

exit 1

fi