# Step 3. Create Auto pool with AAD Authentication

- 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 "Setting up Azure Batch context with AAD authentication..."

# Get the batch account endpoint

BATCH\_ENDPOINT=$(az batch account show \

--name $(BatchAccount) \

--resource-group $(batchResourceGroup) \

--query accountEndpoint -o tsv)

echo "Batch endpoint: $BATCH\_ENDPOINT"

# Set batch account context using AAD

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 with AAD"

# Job configuration with auto-pool

JOB\_ID="$(appId)-$(Build.BuildId)-$RANDOM"

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

# Create job JSON with proper configuration

cat > job.json <<EOF

{

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

"poolInfo": {

"autoPoolSpecification": {

"autoPoolIdPrefix": "autopool",

"poolLifetimeOption": "job",

"keepAlive": false,

"pool": {

"vmSize": "$(vmSize)",

"targetDedicatedNodes": 1,

"virtualMachineConfiguration": {

"imageReference": {

"publisher": "canonical",

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

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

"version": "latest"

},

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

}

}

}

},

"onAllTasksComplete": "terminatejob"

}

EOF

echo "Job JSON content:"

cat job.json

# Create job using the batch endpoint with AAD auth

echo "Creating batch job..."

az batch job create \

--account-endpoint "$BATCH\_ENDPOINT" \

--account-name $(BatchAccount) \

--json-file job.json

JOB\_CREATE\_RESULT=$?

# Clean up

rm -f job.json

if [ $JOB\_CREATE\_RESULT -eq 0 ]; then

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

# Verify job was created

echo "Verifying job creation..."

az batch job show \

--account-endpoint "$BATCH\_ENDPOINT" \

--account-name $(BatchAccount) \

--job-id "${JOB\_ID}" \

--query "id" -o tsv || echo "Could not verify job"

else

echo "Failed to create batch job"

exit 1

fi