#!/bin/bash

# Jenkins Job Trigger Script for Amazon Q Integration

# Usage: ./jenkins-trigger-script.sh <job-name> <parameters>

JENKINS\_URL="https://ci.sms.us.caas.oneadp.com"

JENKINS\_USER="kombaths"

JENKINS\_TOKEN="1133fbd358927c134f9d0f0d851c92a0ab"

JOB\_NAME="${1:-OLP-2}"

# Function to URL encode job names

url\_encode() {

local string="${1}"

local strlen=${#string}

local encoded=""

local pos c o

for (( pos=0 ; pos<strlen ; pos++ )); do

c=${string:$pos:1}

case "$c" in

[-\_.~a-zA-Z0-9] ) o="${c}" ;;

\* ) printf -v o '%%%02x' "'$c" ;;

esac

encoded+="${o}"

done

echo "${encoded}"

}

# Function to trigger Jenkins job

trigger\_jenkins\_job() {

local job\_name="$1"

local build\_params="$2"

local encoded\_job\_name=$(url\_encode "$job\_name")

echo "Debug: Original job name: '$job\_name'"

echo "Debug: Encoded job name: '$encoded\_job\_name'"

echo "Debug: Full URL: ${JENKINS\_URL}/job/${encoded\_job\_name}/build"

if [ -z "$build\_params" ]; then

# Trigger job without parameters

curl -v -X POST \

-u "${JENKINS\_USER}:${JENKINS\_TOKEN}" \

"${JENKINS\_URL}/job/${encoded\_job\_name}/build"

else

# Trigger job with parameters

curl -v -X POST \

-u "${JENKINS\_USER}:${JENKINS\_TOKEN}" \

-d "$build\_params" \

"${JENKINS\_URL}/job/${encoded\_job\_name}/buildWithParameters"

fi

}

# Validate inputs

if [ -z "$JOB\_NAME" ]; then

echo "Error: Job name is required"

echo "Usage: $0 <job-name> [parameters]"

exit 1

fi

# Trigger the job

echo "Triggering Jenkins job: $JOB\_NAME"

trigger\_jenkins\_job "$JOB\_NAME" "$2"

if [ $? -eq 0 ]; then

echo "✅ Jenkins job '$JOB\_NAME' triggered successfully"

else

echo "❌ Failed to trigger Jenkins job '$JOB\_NAME'"

exit 1

fi

chmod +x /Users/kombaths/jenkins-integration.sh

AmazonQ Prompt:

#!/bin/bash

# Amazon Q to Jenkins Integration Script

# This script can be called from Amazon Q prompts to trigger Jenkins jobs

# Configuration

JENKINS\_SCRIPT\_PATH="/Users/kombaths/jenkins-trigger-script.sh"

# Function to trigger Jenkins job based on prompt keywords

trigger\_job\_from\_prompt() {

local prompt\_text="$1"

# Parse the prompt to determine which job to trigger

case "$prompt\_text" in

\*"QA host"\* | \*"qa host"\* | \*"host file update"\*)

echo "🔄 Triggering QA Host File Update job..."

bash "$JENKINS\_SCRIPT\_PATH" "QA Host File Update"

;;

\*"deploy"\* | \*"deployment"\*)

echo "🚀 Triggering deployment job..."

bash "$JENKINS\_SCRIPT\_PATH" "Deploy"

;;

\*"build"\*)

echo "🔨 Triggering build job..."

bash "$JENKINS\_SCRIPT\_PATH" "Build"

;;

\*)

echo "❓ Available Jenkins jobs:"

echo " - QA Host File Update"

echo " - Deploy"

echo " - Build"

echo ""

echo "Please specify which job you'd like to trigger."

;;

esac

}

# Main execution

if [ $# -eq 0 ]; then

echo "Usage: $0 '<prompt-text>'"

echo "Example: $0 'Please trigger QA host file update'"

exit 1

fi

trigger\_job\_from\_prompt "$\*"

chmod +x /Users/kombaths/amazonq-jenkins-integration.sh

🛠️ Using tool: fs\_write (trusted)

⋮

● Path: /Users/kombaths/.amazonq\_aliases

+ 1: # Amazon Q Jenkins Integration Aliases

+ 2: # Add this to your ~/.bashrc or ~/.zshrc

+ 3:

+ 4: # Alias to trigger Jenkins jobs from Amazon Q prompts

+ 5: alias trigger-jenkins='/Users/kombaths/amazonq-jenkins-integration.sh'

+ 6: alias qa-update='/Users/kombaths/jenkins-trigger-script.sh "QA Host File Update"'

+ 7: alias jenkins-deploy='/Users/kombaths/jenkins-trigger-script.sh "Deploy"'

+ 8: alias jenkins-build='/Users/kombaths/jenkins-trigger-script.sh "Build"'

+ 9:

+ 10: # Function for natural language Jenkins triggering

+ 11: jenkins\_prompt() {

+ 12: /Users/kombaths/amazonq-jenkins-integration.sh "$\*"

+ 13: }

+ 14:

+ 15: # Export the function

+ 16: export -f jenkins\_prompt

⋮

↳ Purpose: Create shell alias configuration for Amazon Q Jenkins integration

Creating: /Users/kombaths/.amazonq\_aliases

> ## How to Use This with Amazon Q

Now you can use natural language prompts with Amazon Q that will trigger Jenkins

jobs:

**### Method 1: Direct Command Execution**

When you're in this Amazon Q chat, you can ask me to run commands like:

**You say:** "Please trigger the QA host file update job"

**I will run:**

**bash**

/Users/kombaths/amazonq-jenkins-integration.sh "Please trigger the QA host file update job"

**### Method 2: Set up Shell Integration**

Add the aliases to your shell profile:

🛠️ Using tool: execute\_bash (trusted)

⋮

● I will run the following shell command:

echo "source /Users/kombaths/.amazonq\_aliases" >> ~/.zshrc

⋮

↳ Purpose: Add aliases to shell profile for easy Jenkins triggering

***JOB: > Please trigger the OLP-2***

To make this available globally for your organization:

1. **Deploy the scripts** to a shared location accessible by all team members

2. **Create a central configuration** with all your Jenkins jobs

3. **Set up environment variables** for different team members' Jenkins credentials

4. **Document the prompt patterns** that team members can use