***Lambda commit to Azure Repos***

Reference /help –

<https://github.com/HarishKM7/aws-codecommit-sync>

<https://www.qloudx.com/a-serverless-solution-to-keeping-git-repositories-synchronized/>

Note – Please change whatever is written in Orange Color with your credentials and details

1. You should have one Azure Repo with your code
2. You should have one ECR repository created in AWS

Scenario ---

You will create 1 Lambda function and when that Lambda function will run then it will do one commit in Azure repos

ECR repo we created because the Lambda that we will create, it will use docker image which is present in ECR as its base.

Creation of docker image –

cat Dockerfile

FROM public.ecr.aws/lambda/provided

RUN yum update -y && yum install jq git -y && yum clean all

COPY bootstrap ${LAMBDA\_RUNTIME\_DIR}

COPY function.sh ${LAMBDA\_TASK\_ROOT}

CMD [ "function.handler" ]

cat bootstrap

#!/bin/bash

set -euo pipefail

cd /tmp/ && git clone https://saumyashukla04@dev.azure.com/saumyashukla04/aarna/\_git/aarna

# Initialization - load function handler

source "$LAMBDA\_TASK\_ROOT"/"$(echo $\_HANDLER | cut -d. -f1).sh"

# Processing

while true

do

HEADERS="$(mktemp)"

# Get an event. The HTTP request will block until one is received

EVENT\_DATA=$(curl -sS -LD "$HEADERS" -X GET "http://${AWS\_LAMBDA\_RUNTIME\_API}/2018-06-01/runtime/invocation/next")

# Extract request ID by scraping response headers received above

REQUEST\_ID=$(grep -Fi Lambda-Runtime-Aws-Request-Id "$HEADERS" | tr -d '[:space:]' | cut -d: -f2)

# Run the handler function from the script

RESPONSE=$($(echo "$\_HANDLER" | cut -d. -f2) "$EVENT\_DATA")

# Send the response

curl -X POST "http://${AWS\_LAMBDA\_RUNTIME\_API}/2018-06-01/runtime/invocation/$REQUEST\_ID/response" -d "$RESPONSE"

done

cat function.sh

#!/bin/bash

export HOME=/tmp # so Git can write .gitconfig here

CLONE\_DIR=/tmp/src-repo

function handler() {

cd /tmp/aarna

git config --global user.email "akashece143@gmail.com"

git config --global user.name "Akash Sharma"

echo 'new' >> test

git add --all

git commit -m "tt"

git push https://saumyashukla04:6qjzxjnrr2opmgrkenfgsq3r52tuz2vqzut57o52j7wrlsmhc4sq@dev.azure.com/saumyashukla04/aarna/\_git/aarna --all

}

**Commands to run**

chmod +x bootstrap

chmod +x function.sh

**Below commands you will abe to see in ECR already, it is pushing docker image to ECR**

aws ecr get-login-password --region us-east-1 | docker login --username AWS --password-stdin 982057683467.dkr.ecr.us-east-1.amazonaws.com

docker build -t bittu .

docker tag bittu:latest 982057683467.dkr.ecr.us-east-1.amazonaws.com/bittu:latest

docker push 982057683467.dkr.ecr.us-east-1.amazonaws.com/bittu:latest

**LAST STEP ---**

Go to AWS Lambda on GUI, create Lambda Function and use this created/pushed image from ECR

And then test …..

It will push changes in test file in your AZURE REPOS….DONE !!!