This python app runs on the private instance and listens for orders from amazonSQS queue :

import boto3

import json

import logging

def poll\_sqs\_queue():

sqs = boto3.client('sqs')

queue\_url = 'https://sqs.us-east-1.amazonaws.com/183631315457/labq'

while True:

response = sqs.receive\_message(

QueueUrl=queue\_url,

MaxNumberOfMessages=10,

WaitTimeSeconds=20

)

if 'Messages' in response:

for message in response['Messages']:

logging.info(f"Received message body: {message['Body']}")

if 'Body' not in message or not message['Body']:

logging.warning("Received an empty message body. Skipping...")

continue

order = json.loads(message['Body'])

logging.info(f"Received order: {order}")

sqs.delete\_message(

QueueUrl=queue\_url,

ReceiptHandle=message['ReceiptHandle']

)

logging.info("Message processed and deleted successfully.")

except json.JSONDecodeError as e:

logging.error(f"JSON decode error for message: {message['Body']}. Error: {str(e)}. Skipping...")

continue

except Exception as e:

logging.error(f"Error processing message: {message['Body']}. Error: {str(e)}. Skipping...")

continue

logging.basicConfig(level=logging.INFO)

poll\_sqs\_queue()

this script is run by this command and logs the orders in an output file output.log:

nohup poll\_sqs.py > output.log 2>&1 &