

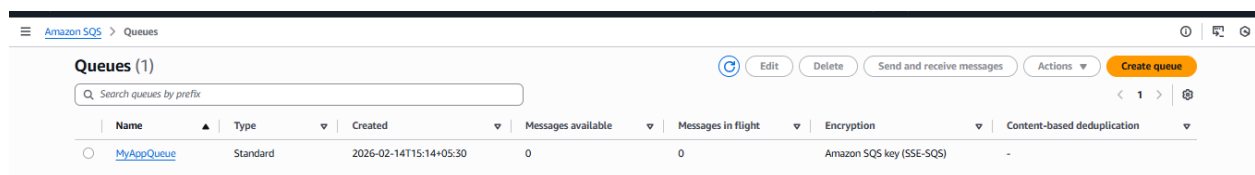
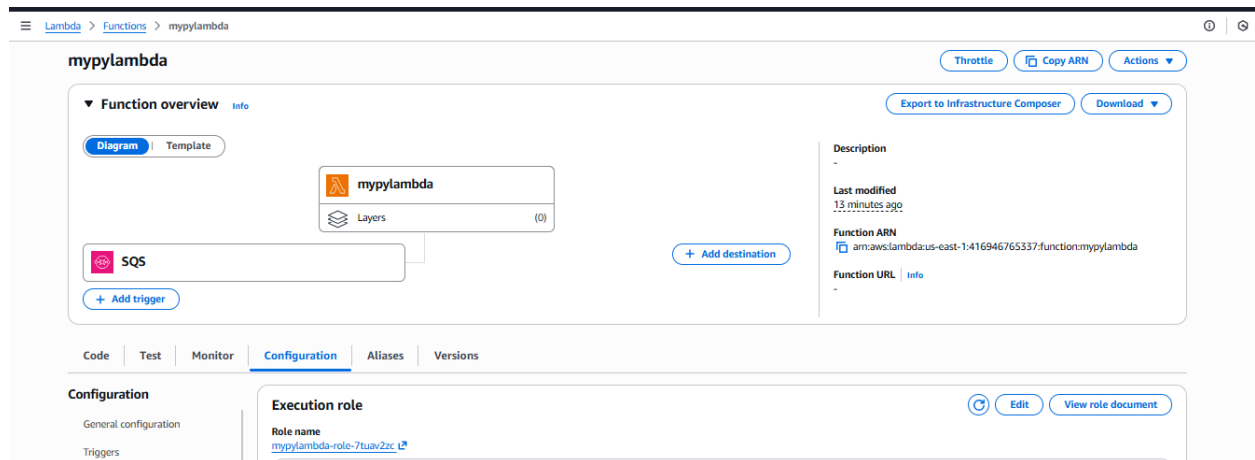
Assignment 1

Problem Statement:

You work for XYZ Corporation. Your corporation wants to launch a new web-based application, and they do not want their servers to be running all the time. It should also be managed by AWS. Implement suitable solutions.

Tasks To Be Performed:

1. Create a sample Python Lambda function.
2. Set the Lambda Trigger as SQS and send a message to test invocations



Send and receive messages

Use this page to send, retrieve and view messages, helping you experiment with various queue features.

Send message

Info

Your message has been sent and is ready to be received.

View sent message details

X

Message body

Enter the message to send to the queue.

Welcome Home

Message group ID - optional, new

Info

A group identifier for the message to allow fair processing across message groups in a standard queue.

Message group ID must be 1 to 128 characters. Valid characters are a-z, A-Z, 0-9, and punctuation (["#\$%&'()*+,-./:;<=>?@[]^_`{|}~]).

Delivery delay

Info

The duration (in seconds) that SQS will postpone the initial delivery of the message. During this delay period, the message is not visible to consumers, allowing you to create a wait time before the message becomes available for processing.

0

Seconds

Should be between 0 seconds and 15 minutes.

Message attributes - optional

Info

Clear content

Send message

ility tals (APM) onitoring New	▶	2026-02-14T15:29:57.938+05:30	[ERROR] KeyError: 'Records' Traceback (most recent call last): File "/var/task/lambda_function.py", line 5, in lambda_handler for record in event['Records']:
	▶	2026-02-14T15:29:57.941+05:30	END RequestId: 9f8013a9-8109-4369-9d89-91df14af1c82
	▶	2026-02-14T15:29:57.941+05:30	REPORT RequestId: 9f8013a9-8109-4369-9d89-91df14af1c82 Duration: 1.85 ms Billed Duration: 2 ms Memory Size: 128 MB Max Memory Used: 40 MB
	▶	2026-02-14T15:30:13.168+05:30	START RequestId: 570f736d-b355-51fe-af6d-1167fab7256b Version: \$LATEST
	▶	2026-02-14T15:30:13.168+05:30	Received SQS message: Welcome Home
	▶	2026-02-14T15:30:13.168+05:30	[ERROR] JSONDecodeError: Expecting value: line 1 column 1 (char 0) Traceback (most recent call last): File "/var/task/lambda_function.py", line 10, in lambda_handler me..

Assignment 2

Problem Statement:

You work for XYZ Corporation. Your corporation wants to launch a new web-based application, and they do not want their servers to be running all the time. It should also be managed by AWS. Implement suitable solutions.

Tasks To Be Performed:

1. Create an Elastic Beanstalk environment with the runtime as PHP.
2. Upload a simple PHP file to the environment once created.

The screenshot displays the AWS Elastic Beanstalk console for the environment 'XYZWebApp-env'. The interface includes a left-hand navigation menu with options like Applications, Environments, and Change history. The main content area shows the environment's status as 'Supported' and provides details such as the Domain, Application name, and Running version (PHP 8.5). A table of events is visible, showing a sequence of operations from deployment to successful instance deployment. The browser's address bar shows the URL 'xyzwebapp-env.eba-pbym5xf2.us-east-1.elasticbeanstalk.com'.

Time	Type	Details
February 15, 2026 16:21:57 (UTC+5:30)	INFO	Deploying new version to instance(s).
February 15, 2026 16:21:39 (UTC+5:30)	INFO	Updating environment XYZWebApp-env's configuration settings.
February 15, 2026 16:21:31 (UTC+5:30)	INFO	Environment update is starting.
February 15, 2026 16:13:12 (UTC+5:30)	INFO	Environment health has transitioned from Info to Ok. Application update completed 47 seconds ago and took 49 seconds.
February 15, 2026 16:12:24 (UTC+5:30)	INFO	Pulled logs for environment instances.
February 15, 2026 16:12:19 (UTC+5:30)	INFO	Instance deployment completed successfully.

Hello, Elastic Beanstalk is working!