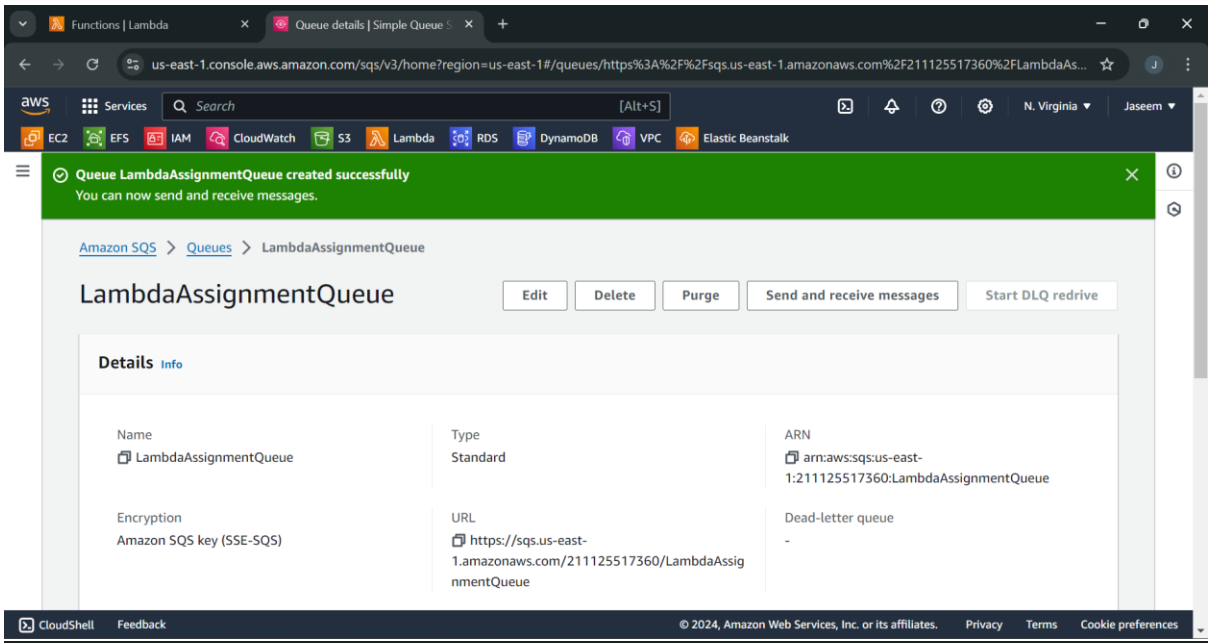
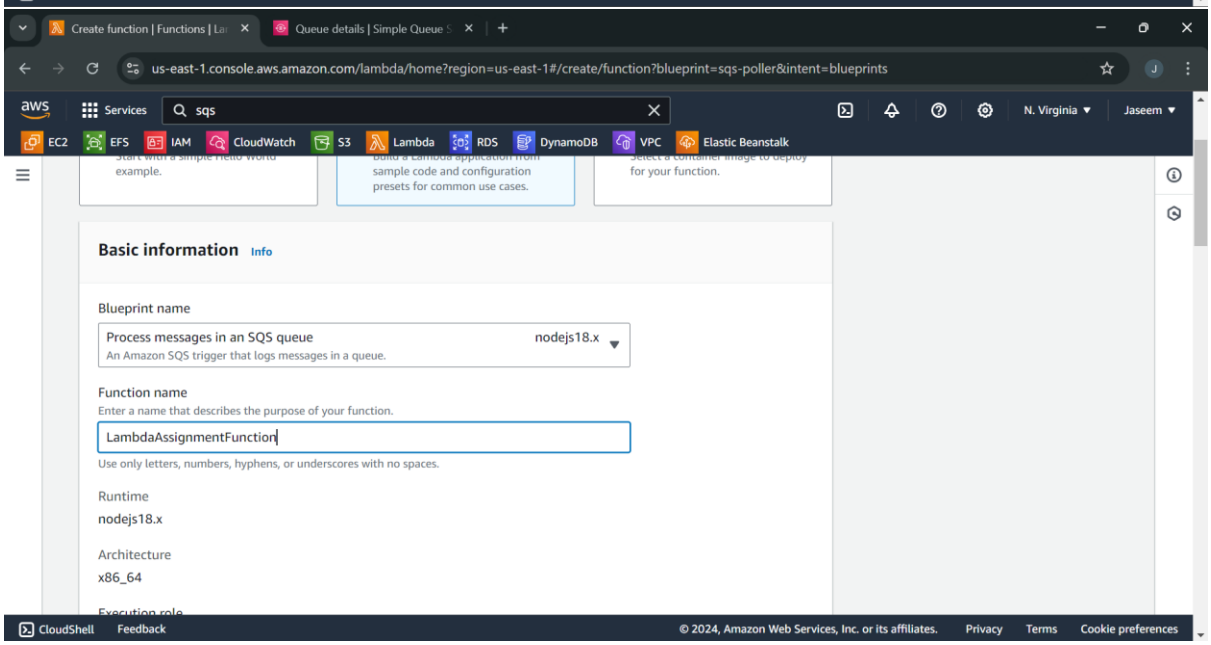
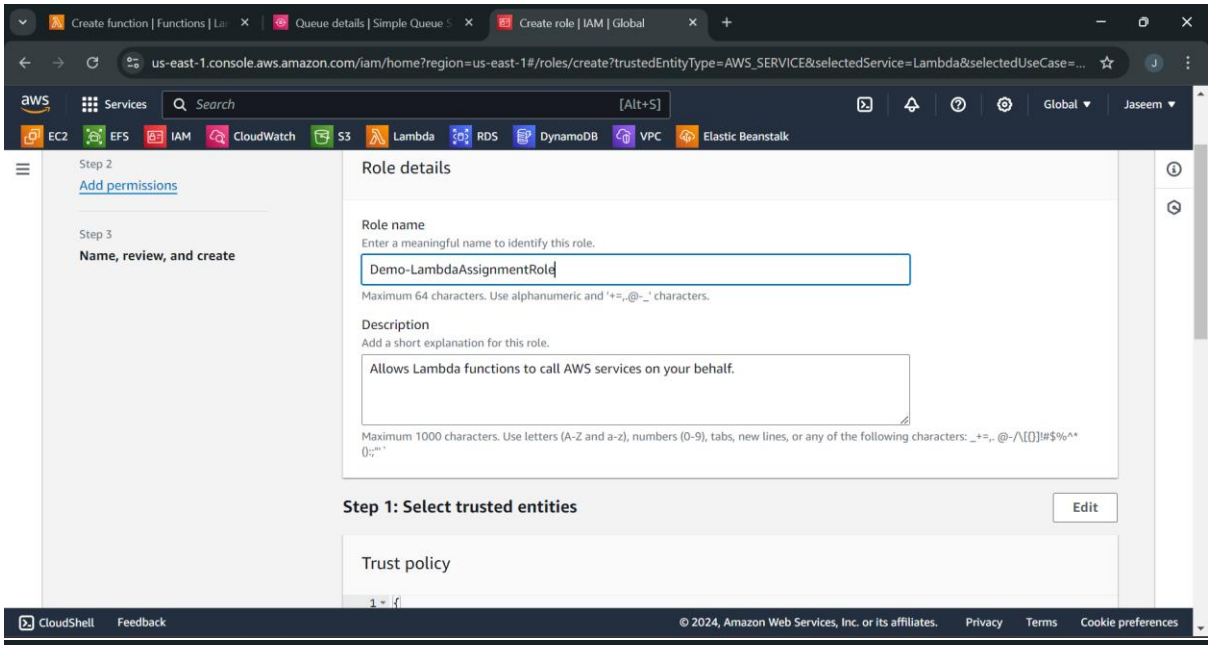
ASSIGNMENT-1

AWS LAMBDA






Create function | Functions | La
Queue details | Simple Queue
Create role | IAM | Global
us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/roles/create?trustedEntityType=AWS_SERVICE&selectedService=Lambda&selectedUseCase=...
Services
Search
[Alt+S]
Global
Jaseem
EC2
EFS
IAM
CloudWatch
S3
Lambda
RDS
DynamoDB
VPC
Elastic Beanstalk
Step 2
Add permissions
Step 3
Name, review, and create
Role details
Role name
Enter a meaningful name to identify this role.
Demo-LambdaAssignmentRole
Maximum 64 characters. Use alphanumeric and '+=,.@-_' characters.
Description
Add a short explanation for this role.
Allows Lambda functions to call AWS services on your behalf.
Maximum 1000 characters. Use letters (A-Z and a-z), numbers (0-9), tabs, new lines, or any of the following characters: _+=,. @-/\[{}]!#$%^*
();;"' `
Step 1: Select trusted entities
Edit
Trust policy
1 {
CloudShell
Feedback
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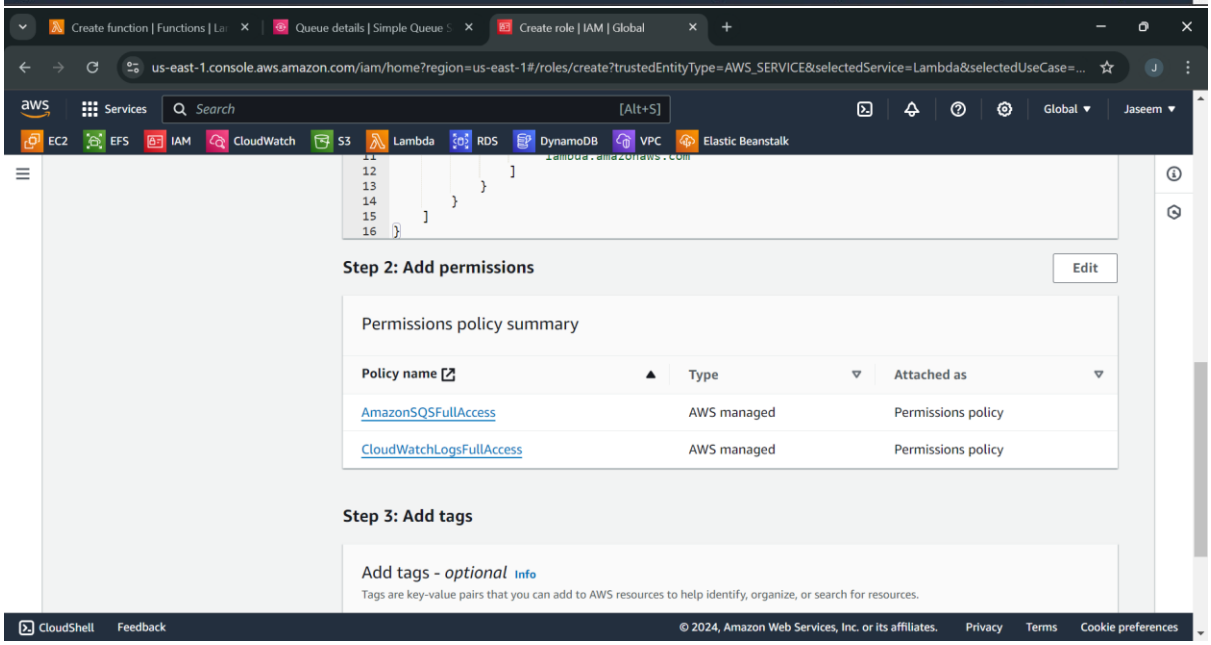
Create function | Functions | La
Queue details | Simple Queue
Create role | IAM | Global
us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/roles/create?trustedEntityType=AWS_SERVICE&selectedService=Lambda&selectedUseCase=...
Services
Search
[Alt+S]
Global
Jaseem
EC2
EFS
IAM
CloudWatch
S3
Lambda
RDS
DynamoDB
VPC
Elastic Beanstalk
12]
13 }
14 }
15]
16 }
Step 2: Add permissions
Edit
Permissions policy summary
Policy name
Type
Attached as
AmazonSQSFullAccess
AWS managed
Permissions policy
CloudWatchLogsFullAccess
AWS managed
Permissions policy
Step 3: Add tags
Add tags - optional
Info
Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.
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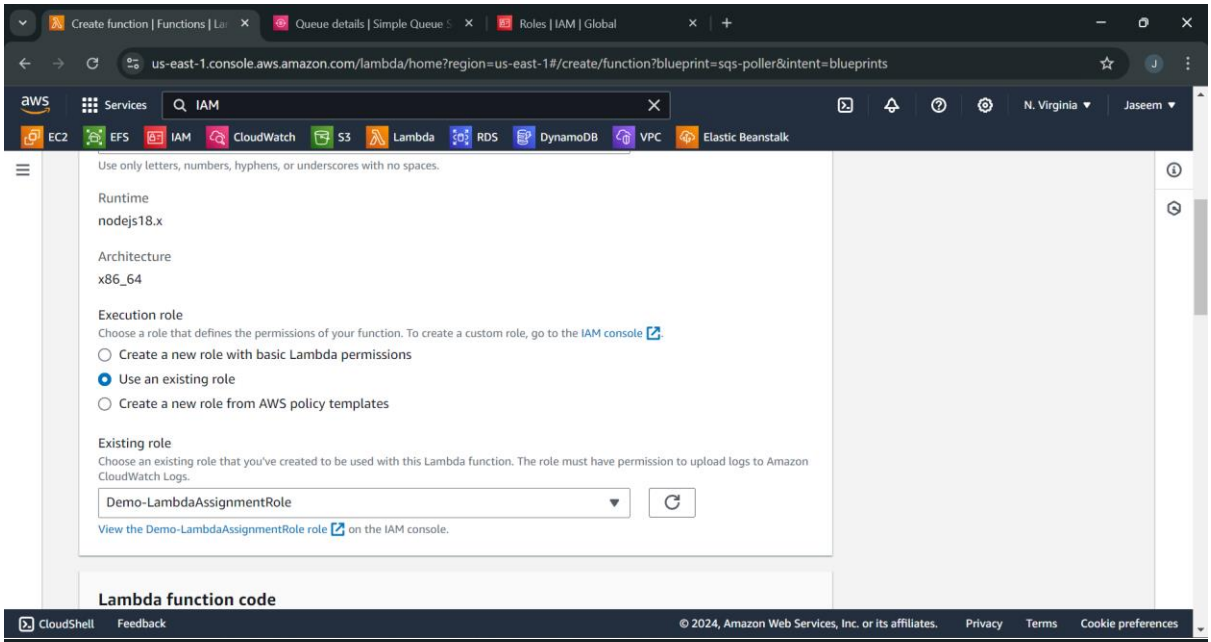
Create function | Functions | La
Queue details | Simple Queue S
Roles | IAM | Global
us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/create/function?blueprint=sqs-poller&intent=blueprints
Services
IAM
N. Virginia
Jaseem
EC2
EFS
IAM
CloudWatch
S3
Lambda
RDS
DynamoDB
VPC
Elastic Beanstalk
Use only letters, numbers, hyphens, or underscores with no spaces.
Runtime
nodejs18.x
Architecture
x86_64
Execution role
Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.
Create a new role with basic Lambda permissions
Use an existing role
Create a new role from AWS policy templates
Existing role
Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.
Demo-LambdaAssignmentRole
View the Demo-LambdaAssignmentRole role on the IAM console.
Lambda function code
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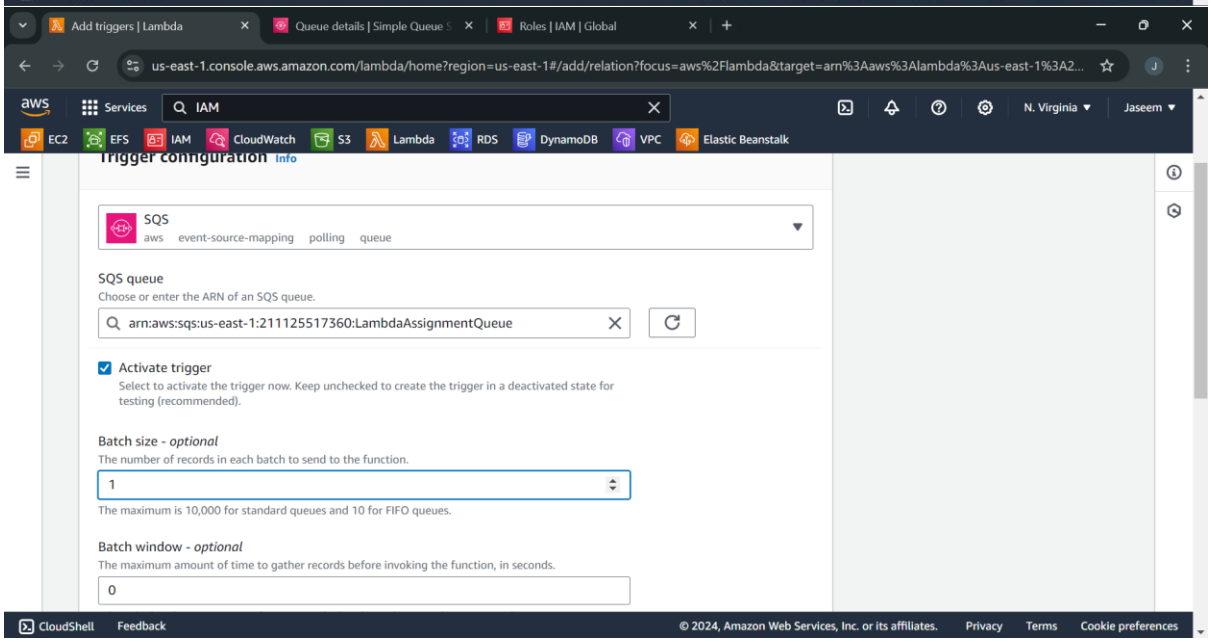
Add triggers | Lambda
Queue details | Simple Queue S
Roles | IAM | Global
us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/add/relation?focus=aws%2Flambda&target=arn%3Aaws%3Alambda%3Aus-east-1%3A2...
Services
IAM
N. Virginia
Jaseem
EC2
EFS
IAM
CloudWatch
S3
Lambda
RDS
DynamoDB
VPC
Elastic Beanstalk
Trigger configuration Info
SQS
aws event-source-mapping polling queue
SQS queue
Choose or enter the ARN of an SQS queue.
arn:aws:sqs:us-east-1:211125517360:LambdaAssignmentQueue
Activate trigger
Select to activate the trigger now. Keep unchecked to create the trigger in a deactivated state for testing (recommended).
Batch size - optional
The number of records in each batch to send to the function.
1
The maximum is 10,000 for standard queues and 10 for FIFO queues.
Batch window - optional
The maximum amount of time to gather records before invoking the function, in seconds.
0
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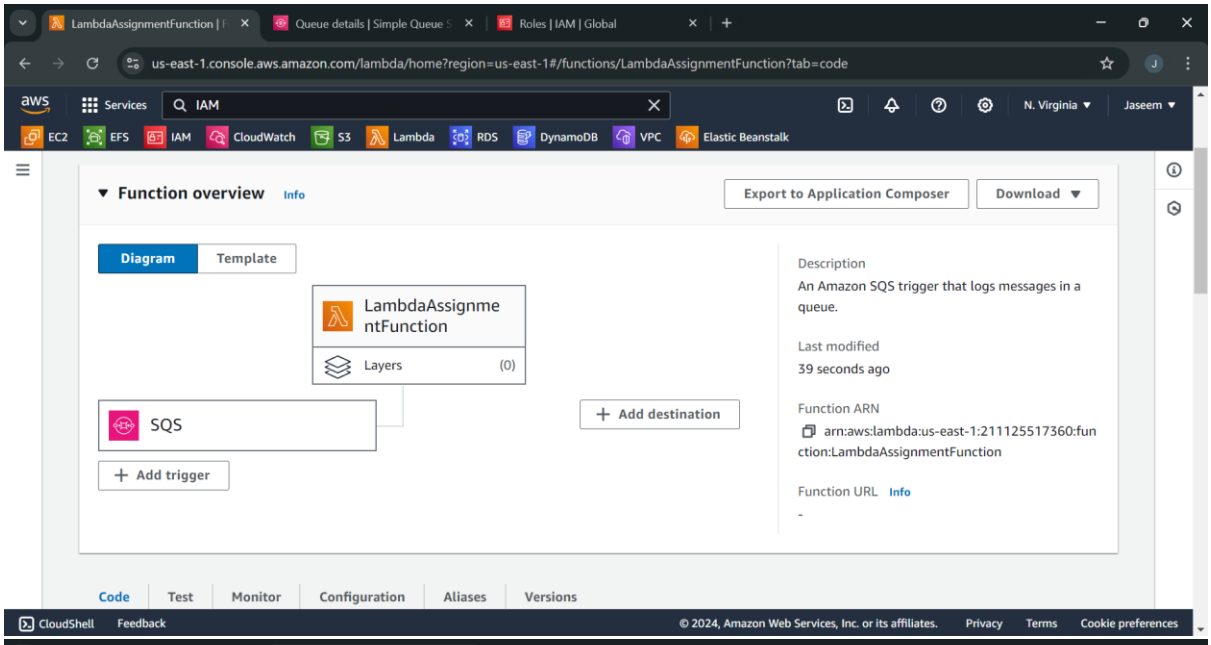
LambdaAssignmentFunction |
Queue details | Simple Queue
Roles | IAM | Global
us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/LambdaAssignmentFunction?tab=code
Services
IAM
N. Virginia
Jaseem
EC2
EFS
IAM
CloudWatch
S3
Lambda
RDS
DynamoDB
VPC
Elastic Beanstalk
Function overview
Info
Export to Application Composer
Download
Diagram
Template
LambdaAssignmentFunction
Layers
(0)
SQS
Add destination
Add trigger
Description
An Amazon SQS trigger that logs messages in a queue.
Last modified
39 seconds ago
Function ARN
arn:aws:lambda:us-east-1:211125517360:function:LambdaAssignmentFunction
Function URL
Info
-
Code
Test
Monitor
Configuration
Aliases
Versions
CloudShell
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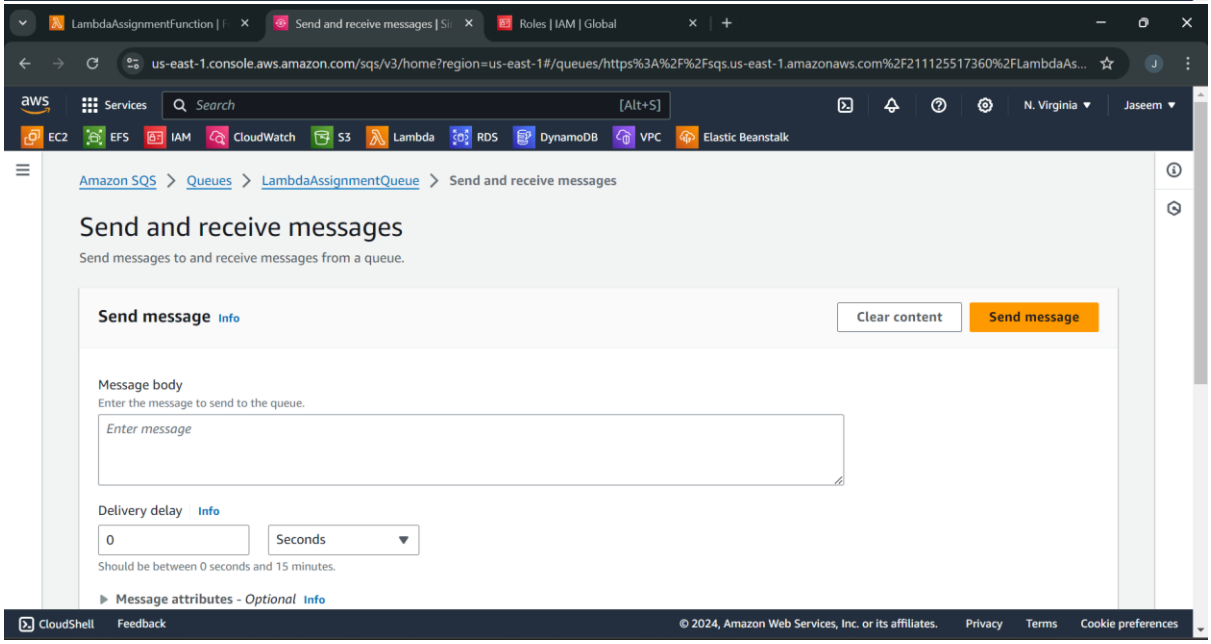
LambdaAssignmentFunction |
Send and receive messages | Si
Roles | IAM | Global
us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F211125517360%2FLambdaAs...
Services
Search
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N. Virginia
Jaseem
EC2
EFS
IAM
CloudWatch
S3
Lambda
RDS
DynamoDB
VPC
Elastic Beanstalk
Amazon SQS
Queues
LambdaAssignmentQueue
Send and receive messages
Send and receive messages
Send messages to and receive messages from a queue.
Send message
Info
Clear content
Send message
Message body
Enter the message to send to the queue.
Enter message
Delivery delay
Info
0
Seconds
Should be between 0 seconds and 15 minutes.
Message attributes - Optional
Info
CloudShell
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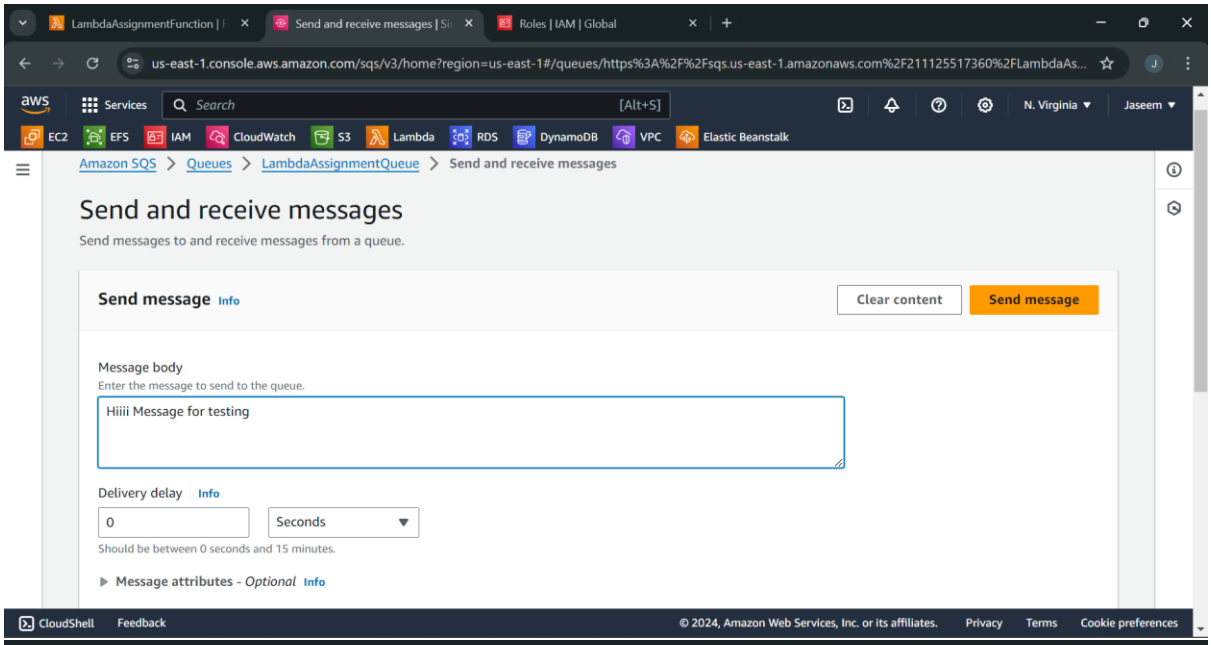
LambdaAssignmentFunction | F
Send and receive messages | Si
Roles | IAM | Global
us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F211125517360%2FLambdaAs...
Services
Search
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N. Virginia
Jaseem
EC2
EFS
IAM
CloudWatch
S3
Lambda
RDS
DynamoDB
VPC
Elastic Beanstalk
Amazon SQS > Queues > LambdaAssignmentQueue > Send and receive messages
Send and receive messages
Send messages to and receive messages from a queue.
Send message Info
Clear content
Send message
Message body
Enter the message to send to the queue.
Hiiii Message for testing
Delivery delay Info
0
Seconds
Should be between 0 seconds and 15 minutes.
Message attributes - Optional Info
CloudShell
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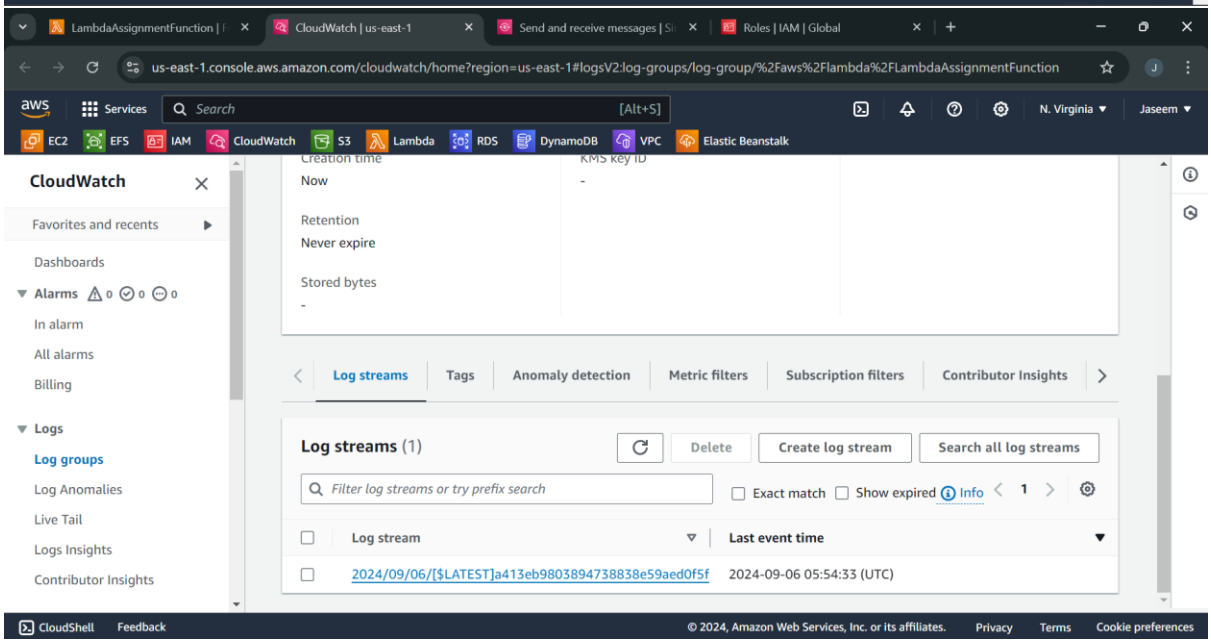
LambdaAssignmentFunction | F
CloudWatch | us-east-1
Send and receive messages | Si
Roles | IAM | Global
us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#logsV2:log-groups/log-group/%2Faws%2Flambda%2FLambdaAssignmentFunction
Services
Search
[Alt+S]
N. Virginia
Jaseem
EC2
EFS
IAM
CloudWatch
S3
Lambda
RDS
DynamoDB
VPC
Elastic Beanstalk
CloudWatch
Favorites and recents
Dashboards
Alarms 0 0 0
In alarm
All alarms
Billing
Logs
Log groups
Log Anomalies
Live Tail
Logs Insights
Contributor Insights
Creation time
Now
KMS key ID
-
Retention
Never expire
Stored bytes
-
Log streams
Tags
Anomaly detection
Metric filters
Subscription filters
Contributor Insights
Log streams (1)
Delete
Create log stream
Search all log streams
Filter log streams or try prefix search
Exact match
Show expired Info
1
Log stream
Last event time
2024/09/06/[$LATEST]a413eb9803894738838e59aed0f5f
2024-09-06 05:54:33 (UTC)
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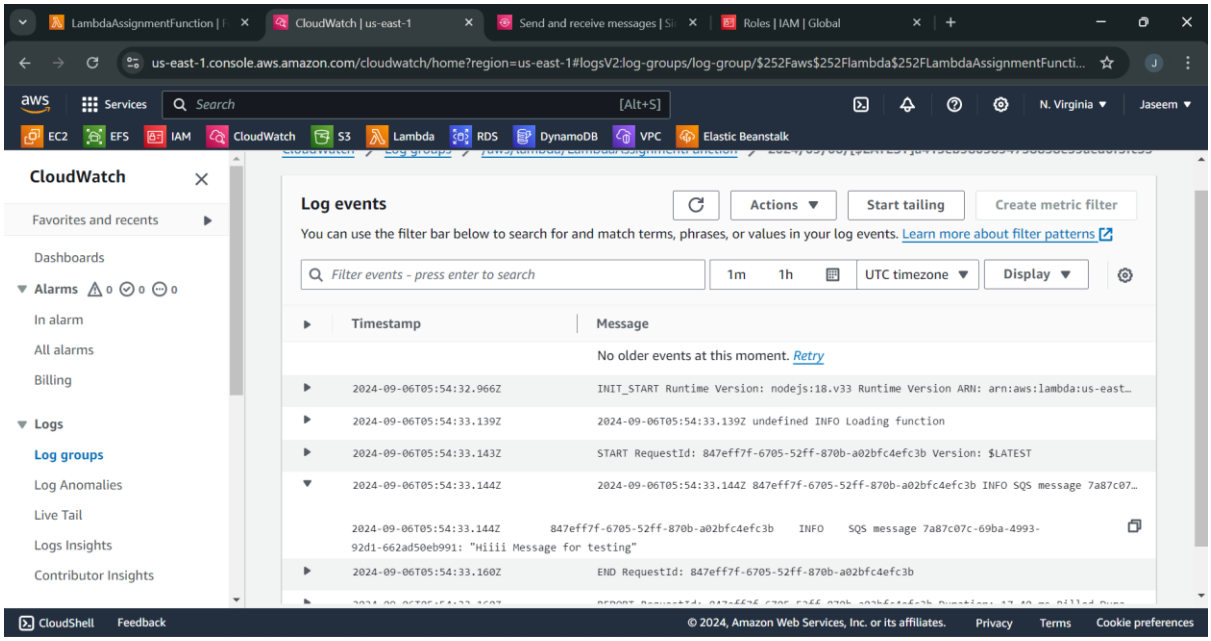
LambdaAssignmentFunction |
CloudWatch | us-east-1
Send and receive messages |
Roles | IAM | Global
us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#logsV2:log-groups/log-group/$252Faws$252Flambda$252FLambdaAssignmentFuncti...
Services
Search
[Alt+S]
N. Virginia
Jaseem
EC2
EFS
IAM
CloudWatch
S3
Lambda
RDS
DynamoDB
VPC
Elastic Beanstalk
CloudWatch
Favorites and recents
Dashboards
Alarms 0 0 0
In alarm
All alarms
Billing
Logs
Log groups
Log Anomalies
Live Tail
Logs Insights
Contributor Insights
Log events
Actions
Start tailing
Create metric filter
You can use the filter bar below to search for and match terms, phrases, or values in your log events. Learn more about filter patterns
Filter events - press enter to search
1m
1h
UTC timezone
Display
Timestamp
Message
No older events at this moment. Retry
2024-09-06T05:54:32.966Z INIT_START Runtime Version: nodejs:18.v33 Runtime Version ARN: arn:aws:lambda:us-east…
2024-09-06T05:54:33.139Z 2024-09-06T05:54:33.139Z undefined INFO Loading function
2024-09-06T05:54:33.143Z START RequestId: 847eff7f-6705-52ff-870b-a02bfc4efc3b Version: $LATEST
2024-09-06T05:54:33.144Z 2024-09-06T05:54:33.144Z 847eff7f-6705-52ff-870b-a02bfc4efc3b INFO SQS message 7a87c07…
2024-09-06T05:54:33.144Z 847eff7f-6705-52ff-870b-a02bfc4efc3b INFO SQS message 7a87c07c-69ba-4993-92d1-662ad50eb991: "Hiiii Message for testing"
2024-09-06T05:54:33.160Z END RequestId: 847eff7f-6705-52ff-870b-a02bfc4efc3b
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