**STEP Function Implementation:**

**Graphical user interface, text, application, email

Description automatically generated**

{

"Comment": "A description of my state machine",

"StartAt": "Choice",

"States": {

"Choice": {

"Type": "Choice",

"Choices": [

{

"Variable": "$.type",

"StringEquals": "CONNECT",

"Next": "Connect"

},

{

"Variable": "$.type",

"StringMatches": "SUBSCRIBE",

"Next": "Subscribe"

},

{

"Variable": "$.type",

"StringMatches": "PUBLISH",

"Next": "Publish"

}

],

"Default": "End"

},

"Connect": {

"Type": "Task",

"Resource": "arn:aws:states:::sqs:sendMessage",

"Parameters": {

"QueueUrl": "https://sqs.us-east-1.amazonaws.com/475580900086/Connect",

"MessageBody": {

"type": "CONNECT",

"username": "user1",

"password": "pass123"

}

},

"Next": "End"

},

"Subscribe": {

"Type": "Task",

"Resource": "arn:aws:states:::sqs:sendMessage",

"Parameters": {

"QueueUrl": "https://sqs.us-east-1.amazonaws.com/475580900086/Subscribe",

"MessageBody": {

"type": "SUBSCRIBE",

"qos": 0

}

},

"Next": "End"

},

"Publish": {

"Type": "Task",

"Resource": "arn:aws:states:::sqs:sendMessage",

"Parameters": {

"QueueUrl": "https://sqs.us-east-1.amazonaws.com/475580900086/Publish",

"MessageBody": {

"type": "PUBLISH",

"qos": 0,

"payload": {

"key": "location",

"value": "44.637437,-63.587206"

}

}

},

"Next": "End"

},

"End": {

"Type": "Pass",

"End": true

}

}

}

**Graphical user interface, application

Description automatically generated**

Graphical user interface, application, Word

Description automatically generated

References

|  |  |
| --- | --- |
| [1] | *Amazon.com*. [Online]. Available: https://docs.aws.amazon.com/step-functions/latest/dg/amazon-states-language-state-machine-structure.html. [Accessed: 31-Mar-2023]. |