

## Abisola Afolabi-Jombo :- Visual Proof of Work

The image consists of two screenshots from the AWS Management Console, demonstrating the configuration of IoT rules and log groups.

**Top Screenshot: CloudWatch Log groups**

The top screenshot shows the AWS Management Console interface for the CloudWatch service. The breadcrumb navigation indicates the path: **CloudWatch > Log groups > /aws/lambda/process\_iot\_data**. The left sidebar shows the navigation menu with sections like **CloudWatch**, **Log groups**, **Log streams**, **Log anomalies**, **Live Tail**, **Logs Insights**, **Contributor Insights**, and **Metrics**. The main content area displays the configuration for the log group **/aws/lambda/process\_iot\_data**. It includes sections for **Retention** (Never expire), **Stored bytes**, and **Anomaly detection** (Configure). Below these, there are tabs for **Log streams**, **Tags**, **Anomaly detection**, **Metric filters**, **Subscription filters**, and **Contributor Insights**. The **Log streams** tab is active, showing a list of log streams. The list has a search bar and filters for **Exact match**, **Show expired**, and **Info**. The table below shows the log streams:

Log stream	Last event time
<a href="#">2025/03/20/[\$LATEST]62d3ffab49049eead054e8fef94e3a3</a>	2025-03-20 16:03:39 (UTC)

**Bottom Screenshot: AWS IoT Rules**

The bottom screenshot shows the AWS Management Console interface for the AWS IoT service. The breadcrumb navigation indicates the path: **AWS IoT > Message routing > Rules**. The left sidebar shows the navigation menu with sections like **MQTT test client**, **Device Location**, **Query connectivity status**, **Manage**, **All devices**, **Greengrass devices**, **LPWAN devices**, **Software packages**, **Remote actions**, **Message routing**, **Rules**, **Destinations**, **Retained messages**, **Security**, and **Fleet Hub**. The main content area displays the configuration for the **Rules** section. It includes a search bar and buttons for **Find rules**, **Activate**, **Deactivate**, **Edit**, **Delete**, and **Create rule**. The table below shows the rules:

Name	Status	Rule topic	Created date
<a href="#">iot_to_lambda_rule</a>	Active	iot/energy	March 20, 2025
<a href="#">iot_to_s3_rule</a>	Active	iot/energy	March 20, 2025

aws

Services

Search

[Alt+S]

United States (N. Virginia)

Abisola Afolabi-Jombo

iot/topictest

Message payload

```
{
  "message": "Hello from AWS IoT console"
}
```

Additional configuration

Publish

iot/topictest

March 20, 2025, 14:46:52 (UTC+0100)

```
{
  "message": "Hello from AWS IoT console"
}
```

Properties

CloudShell

Feedback

© 2025, Amazon Web Services, Inc. or its affiliates.

Privacy

Terms

Cookie preferences

Amazon S3

Buckets

Account snapshot - updated every 24 hours

All AWS Regions

View Storage Lens dashboard

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

General purpose buckets

Directory buckets

General purpose buckets (3)

Info

All AWS Regions

Refresh

Copy ARN

Empty

Delete

Create bucket

Find buckets by name

< 1 >

	Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/>	<a href="#">iot-energy-monitoring-bucket-123</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	March 19, 2025, 01:45:19 (UTC+01:00)
<input type="radio"/>	<a href="#">iot-energy-monitoring-datas</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	March 20, 2025, 13:30:20 (UTC+01:00)
<input type="radio"/>	<a href="#">my-iot-data-bucket</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	March 19, 2025, 08:33:10 (UTC+01:00)

```

    }
    + s3 {
      + bucket_name = "iot-energy-monitoring-datas"
      + key          = (known after apply)
      + role_arn     = "arn:aws:iam::884574953212:role/IoTDataRole"
    }
  }
}

```

Plan: 0 to add, 1 to change, 0 to destroy.

aws\_iam\_policy.iot\_to\_s3: Modifying... [id=iot\_to\_s3\_rule]

aws\_iam\_policy.iot\_to\_s3: Modifications complete after 1s [id=iot\_to\_s3\_rule]

Apply complete! Resources: 0 added, 1 changed, 0 destroyed.

Outputs:

dynamodb\_table = "IoTMetrics"

s3\_bucket = "iot-energy-monitoring-datas"

```
aws_lambda_function.process_iot_data: Still creating... [1m20s elapsed]
aws_lambda_function.process_iot_data: Still creating... [1m30s elapsed]
aws_lambda_function.process_iot_data: Still creating... [1m40s elapsed]
aws_lambda_function.process_iot_data: Still creating... [1m50s elapsed]
aws_lambda_function.process_iot_data: Still creating... [2m0s elapsed]
aws_lambda_function.process_iot_data: Still creating... [2m10s elapsed]
aws_lambda_function.process_iot_data: Still creating... [2m20s elapsed]
aws_lambda_function.process_iot_data: Still creating... [2m30s elapsed]
aws_lambda_function.process_iot_data: Still creating... [2m40s elapsed]
aws_lambda_function.process_iot_data: Still creating... [2m50s elapsed]
aws_lambda_function.process_iot_data: Still creating... [3m0s elapsed]
aws_lambda_function.process_iot_data: Still creating... [3m10s elapsed]
aws_lambda_function.process_iot_data: Still creating... [3m20s elapsed]
aws_lambda_function.process_iot_data: Still creating... [3m30s elapsed]
```