

Lesson 09 Demo 02

Evaluating CloudWatch Log Reports

Objective: To demonstrate the process of evaluating CloudWatch Log reports by creating and graphing metrics from log data using CloudWatch Log Groups and Metric Filters

Tools required: AWS Management Console

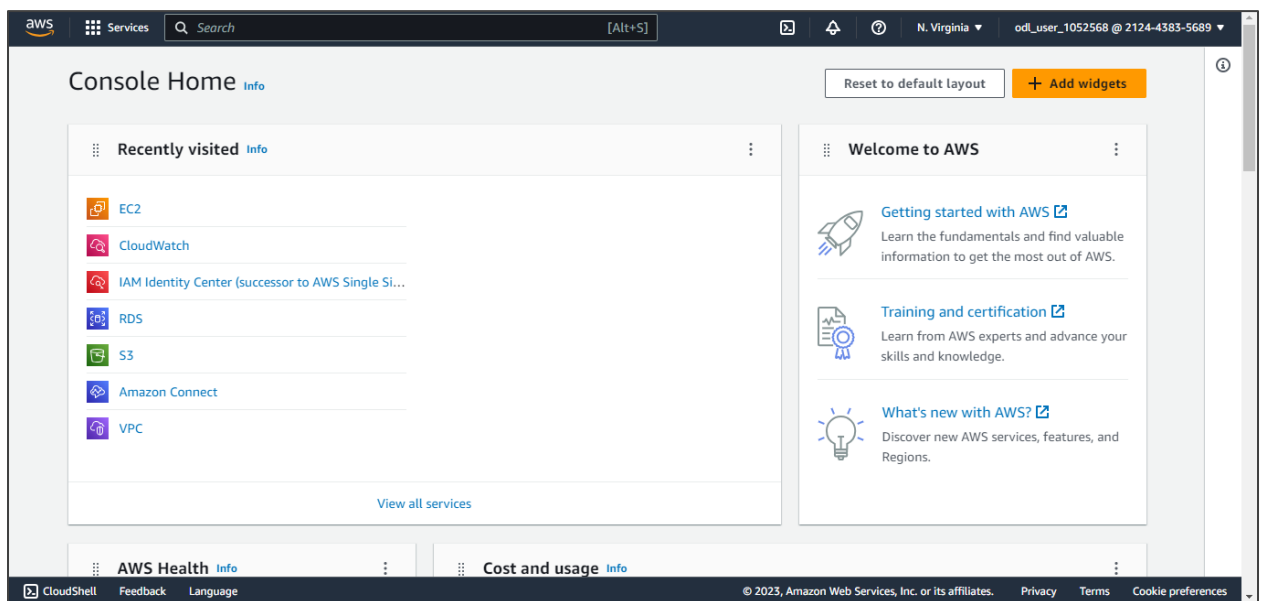
Prerequisites: None

Steps to be followed:

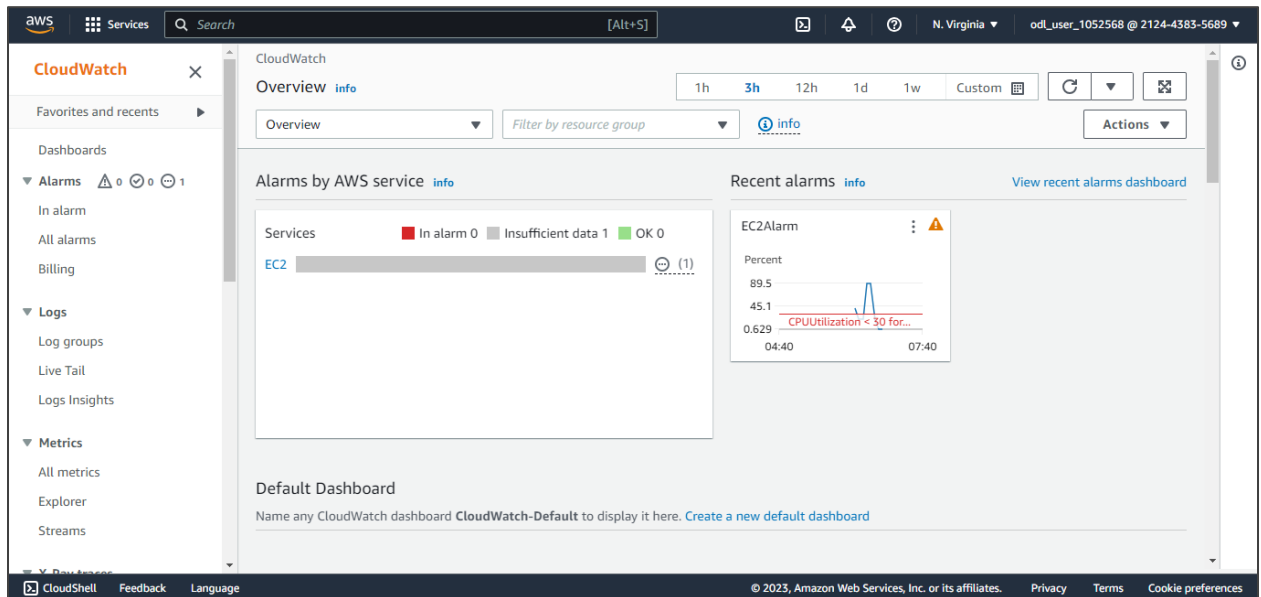
1. Evaluate CloudWatch Log reports

Step 1: Evaluate CloudWatch Log reports

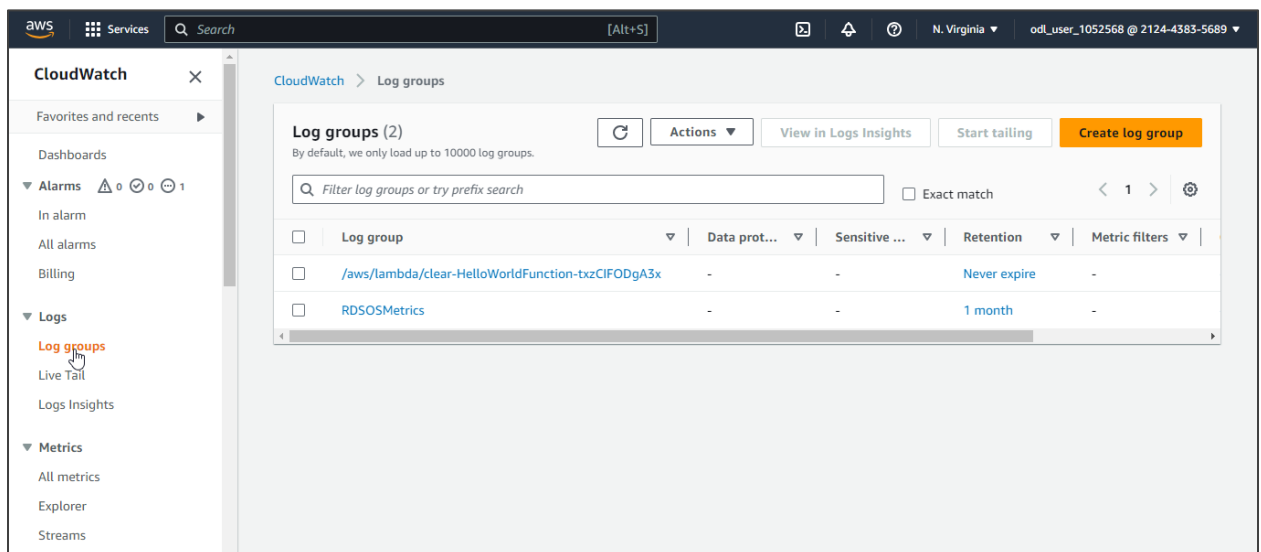
1.1 Log in to your **AWS lab**



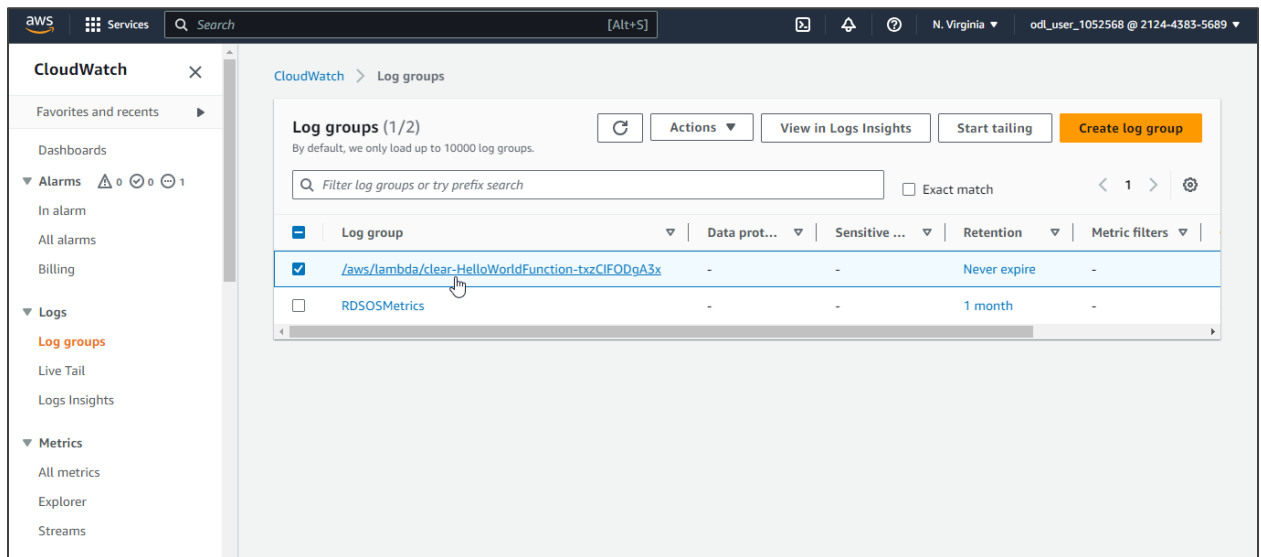
1.2 Open CloudWatch



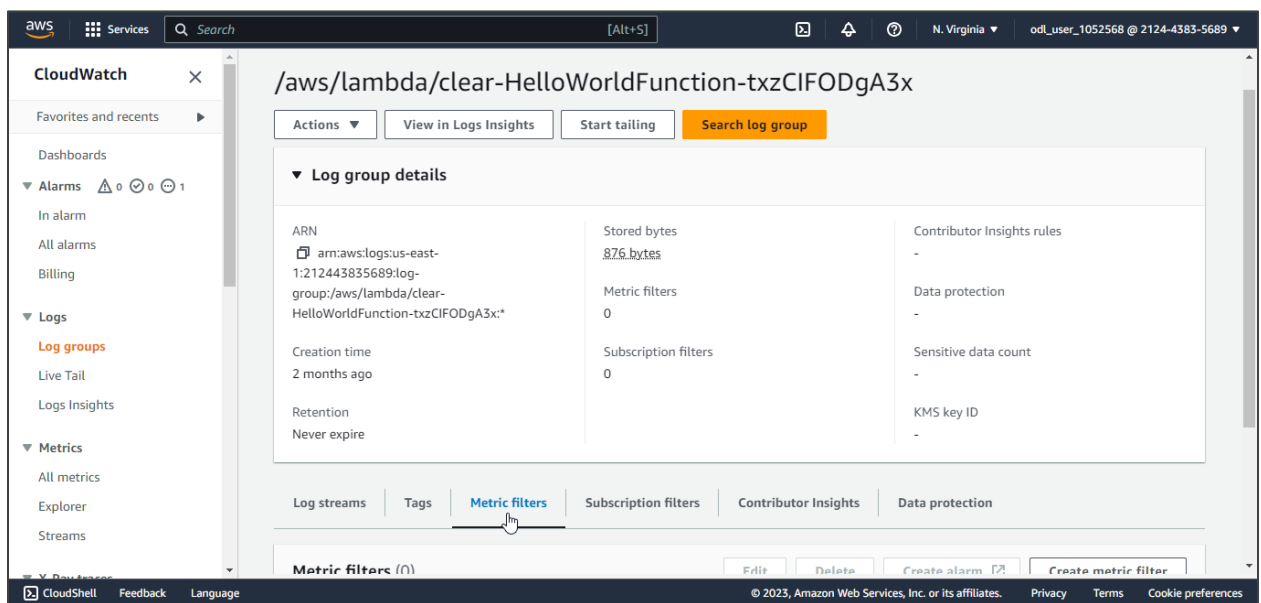
1.3 In the navigation pane, choose Log groups



1.4 Select a log group. If no existing log groups are present, create one.



1.5 Select Metric filters



1.6 Create a metric by assigning names and values to the metrics

CloudWatch

Step 1
Define pattern

Step 2
Assign metric

Step 3
Review and create

Define pattern

Create filter pattern
You can use metric filters to monitor events in a log group as they are sent to CloudWatch Logs. You can monitor and count specific terms or extract values from log events and associate the results with a metric. [Learn more about pattern syntax.](#)

Filter pattern
Specify the terms or pattern to match in your log events to create metrics.

ERROR

Test pattern

Select log data to test
Custom log data

Log event messages
Type log data to test with your Filter Pattern. Please use line breaks to separate log events.

```
[83078518-fcc1-4d30-9573-8b9737671438] BENCHMARK: Running Start Crawl
[83078518-fcc1-4d30-9573-8b9737671438] BENCHMARK: Classification compl
[83078518-fcc1-4d30-9573-8b9737671438] INFO: Crawler configured with Sch
[83078518-fcc1-4d30-9573-8b9737671438] INFO: Created table qluetest in da
```

CloudWatch

Metric details

Metric namespace
Namespaces let you group similar metrics. [Learn more](#)

myawsdemometric ☐ Create new

Namespaces can be up to 255 characters long; all characters are valid except for colon(:) at the start of the name.

Metric name
Metric name identifies this metric, and must be unique within the namespace. [Learn more](#)

demometrics

Metric name can be up to 255 characters long; all characters are valid except for colon(:), asterisk(*), dollar(\$), and space().

Metric value
Metric value is the value published to the metric name when a Filter Pattern match occurs.

99.9

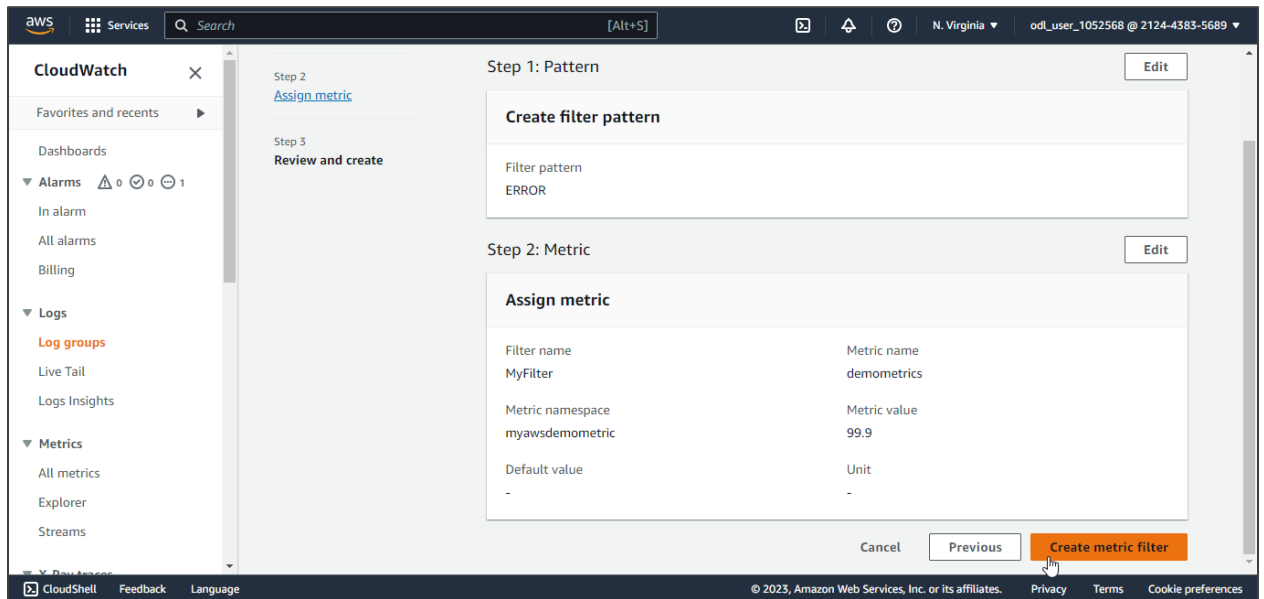
Valid metric values are: floating point number (1, 99.9, etc.), numeric field identifiers (\$1, \$2, etc.), or named field identifiers (e.g. \$requestSize for delimited filter pattern or \$.status for JSON-based filter pattern - dollar (\$) or dollar dot (\$) followed by alphanumeric and/or underscore (_) characters).

Default value - optional
The default value is published to the metric when the pattern does not match. If you leave this blank, no value is published when there is no match. [Learn more](#)

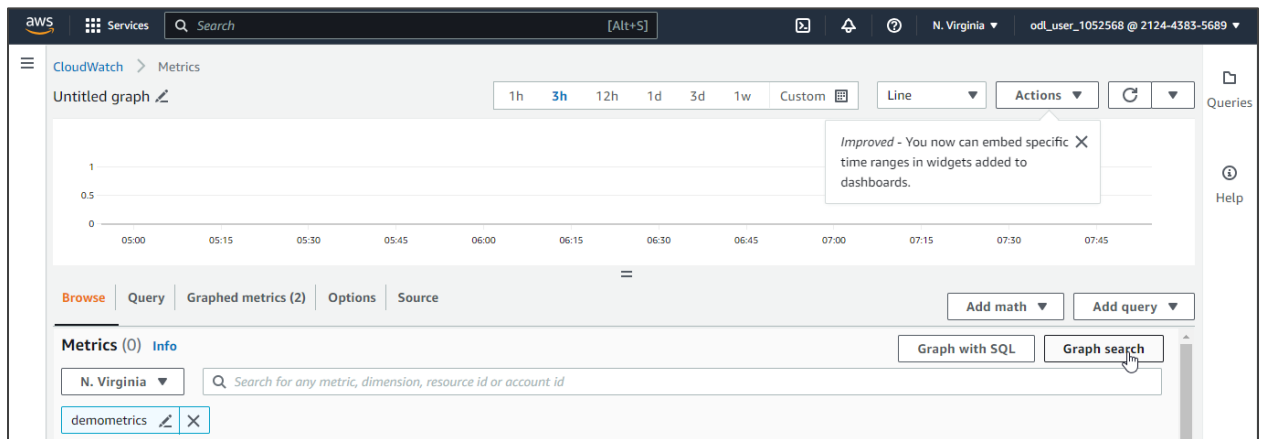
Enter default value

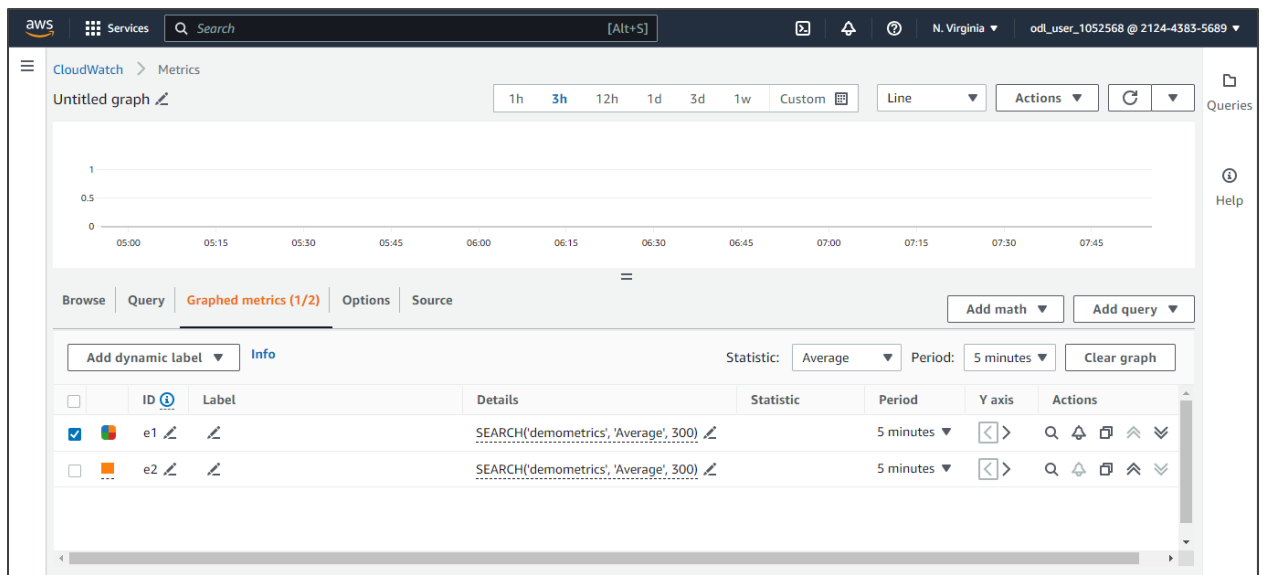
Unit - optional

1.7 Click Create metric filter



1.8 Graph the metric to visualize patterns and trends in the log data





By following these steps, you can effectively evaluate CloudWatch Log reports using Metric Filters and graphical visualization.