

# AWS CloudWatch







## Table of Contents

- What is CloudWatch?
- CloudWatch Basic Components
- How Does CloudWatch Work?
- CloudWatch Pricing



# What is CloudWatch?





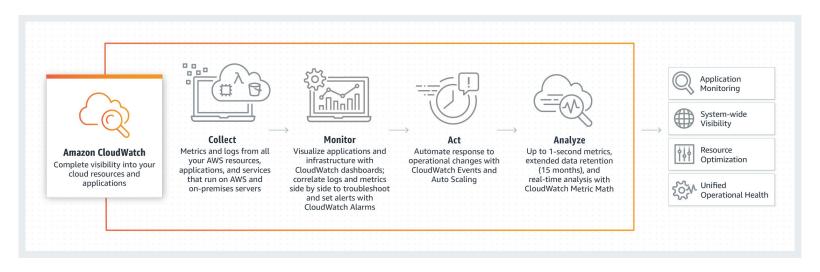
What is CloudWatch?



- CloudWatch is the monitoring service of AWS.
- It enables you to monitor metrics of resources and applications that run on AWS as well as on-premise servers.



### What is CloudWatch?



 You can get logs, set alarms, trigger events and analyze utilization by CloudWatch.



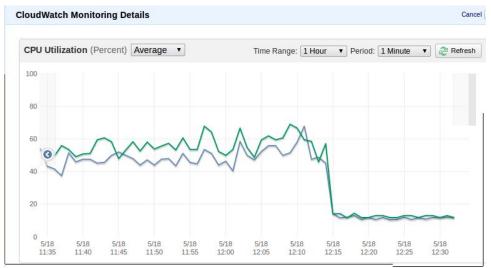


# CloudWatch Basic Components





**Basic Components** 



• Metrics: Metrics are the **measurable data** about your resources, apps or services like EC2 instance CPU utilization or the number of objects in an S3 bucket.



### **Basic Components**



 Dashboards: Dashboards enable you to create graphs and visualize your cloud resources and applications according to your needs.



**Basic Components** 



 Widgets: You can leverage dashboards as customizable home pages in the CloudWatch console to view metrics, logs and alarms.

(#)

Number

Instantly see the latest

value for a metric.

Text

Free text with

markdown formatting

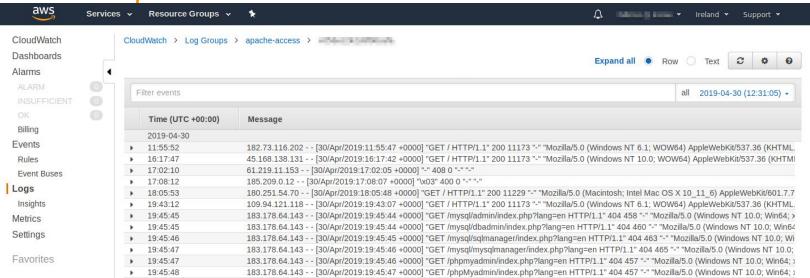


### **Basic Components**



- Alarms: Alarms enables you to monitor CloudWatch metrics and to receive notifications if the metrics fall outside of the thresholds (higher or lower) that you set.
- You can make Alarms trigger a Resource Actions

**Basic Components** 

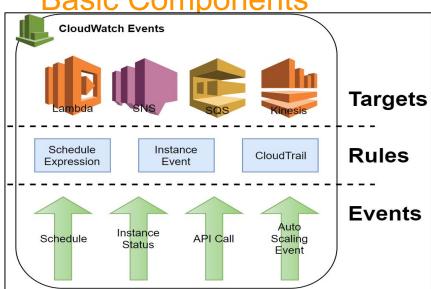


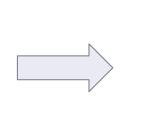
 Logs: Logs let you monitor, store, and access your log files from AWS or other resources. It also allows you to centralize these logs for querying and analyzing.





Basic Components







Amazon EventBridge

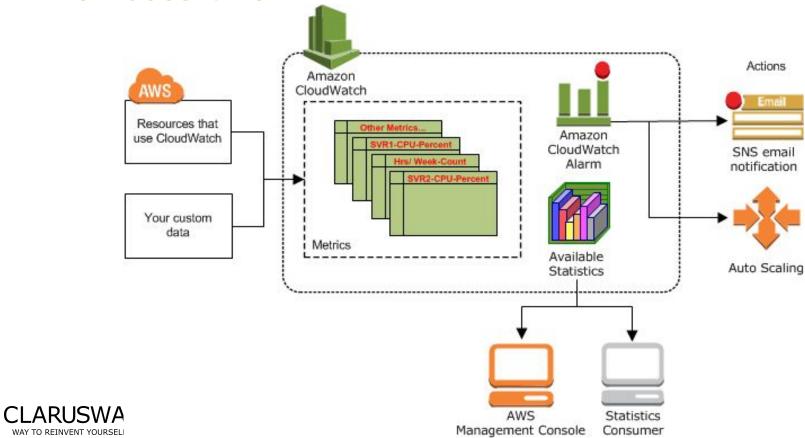
- Events: An event indicates changes in your AWS environment. You can create rules that self-trigger on an automated schedule.
- Now it can be used in new service named "Amazon EventBridge" also.



# How does CloudWatch work?



How does it work?





# CloudWatch Pricing



### **Pricing**

- No up-front commitment or minimum fee
- Pay for what you use
- Pricing varies by region
- Enables limited Free Tier usage



### **Pricing**

### Free Tier:

Metrics	Basic Monitoring Metrics (at 5-minute frequency)  10 Detailed Monitoring Metrics (at 1-minute frequency)  1 Million API requests (not applicable to GetMetricData and GetMetricWidgetImage)
Dashboard	3 Dashboards for up to 50 metrics per month
Alarms	10 Alarm metrics (not applicable to high-resolution alarms)
Logs	5GB Data (ingestion, archive storage, and data scanned by Logs Insights queries)
Events	All events except custom events are included
Contributor Insights	1 Contributor Insights rule per month  The first one million log events that match the rule per month
Synthetics	100 canary runs per month



17



# THANKS! >

## **Any questions?**

You can find me at:

- @Paul-Instructor
- paul@clarusway.com





18