DATE : 28.02.2025

DT/NT: DT

LESSON: AWS

SUBJECT: CLOUDWATCH

BATCH : B 303

AWS-DEVOPS











+1 (585) 304 29 59

Table of Contents

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





What is CloudWatch?



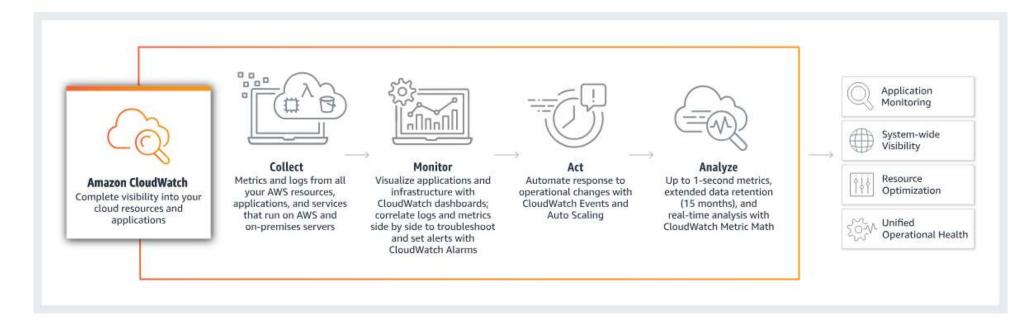
What is CloudWatch?



- 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?



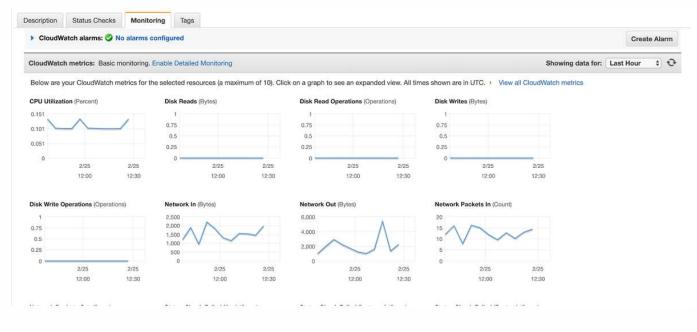
 You can get logs, set alarms, trigger events and analyze utilization by CloudWatch.







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.



Dashboards



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



Widgets



Line Compare metrics over



Logs table Explore results from Logs Insights



Stacked area Compare the total over time



Alarm status Instantly see the status of your alarms in a grid view



Number Instantly see the latest value for a metric



Text Free text with markdown formatting

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



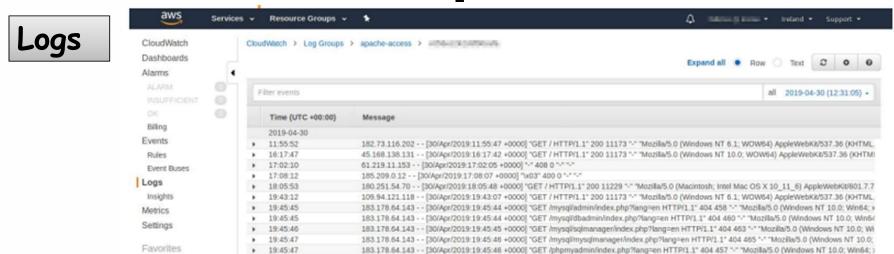
Alarms



- 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



19:45:48

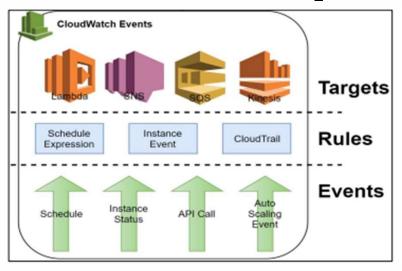


183.178.64.143 - - [30/Apr/2019:19:45:47 +0000] "GET /phpMyadmin/index.php?lang=en HTTP/1.1" 404 457 "-" "Mozilla/5.0 (Windows NT 10.0; Win64;)

 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.



Events





Amazon EventBridge

- 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.

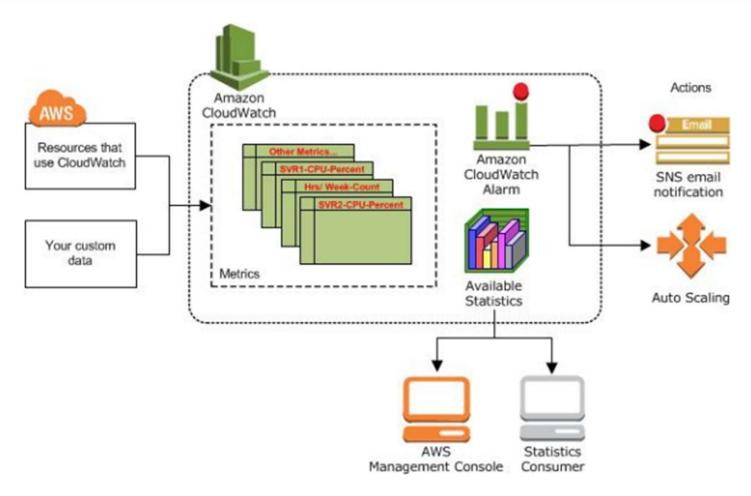




How does CloudWatch work?



How does CloudWatch work?







CloudWatch Pricing



CloudWatch Pricing

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



CloudWatch Pricing

Free tier

	Basic Monitoring Metrics (at 5-minute frequency)
Metrics	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	1 Contributor Insights rule per month
Insights	The first one million log events that match the rule per month
Synthetics	100 canary runs per month





Do you have any questions?

Send it to us! We hope you learned something new.

