



**BATCH** : BATCH 85  
**LESSON** : AWS  
**DATE** : 13.09.2022  
**SUBJECT** : AWS Cloudwatch



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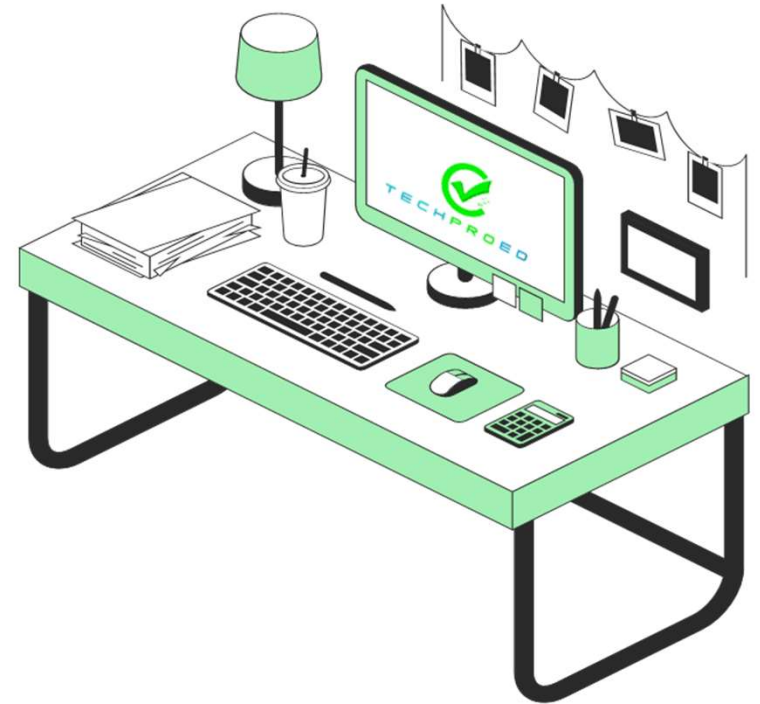
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# AWS Cloudwatch





## What is CloudWatch ?

- ▶ Amazon CloudWatch is a monitoring service to monitor your AWS resources, as well as the applications that you run on AWS.



Amazon CloudWatch



# What can CloudWatch do?

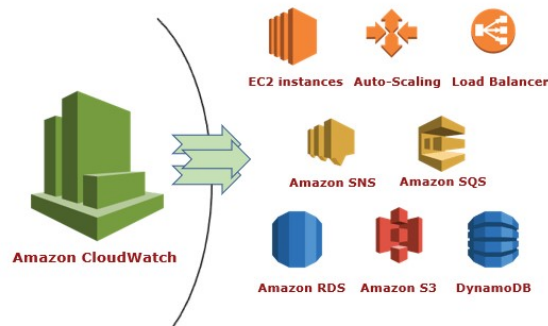
CloudWatch can monitor things like:

## Compute

- ✓ Autoscaling Groups
- ✓ Elastic Load Balancers
- ✓ Route53 Health Checks

## Storage & Content Delivery

- ✓ EBS Volumes
- ✓ Storage Gateways
- ✓ CloudFront



## Databases & Analytics

- ✓ DynamoDB
- ✓ ElastiCache Nodes
- ✓ RDS Instances
- ✓ Elastic MapReduce Job Flows
- ✓ Redshift

## Other

- ✓ SNS Topics
- ✓ SQS Queues
- ✓ Opsworks
- ✓ CloudWatch Logs
- ✓ Estimated Charges on your AWS Bill



# CloudWatch and EC2

Host Level Metrics Consist of:

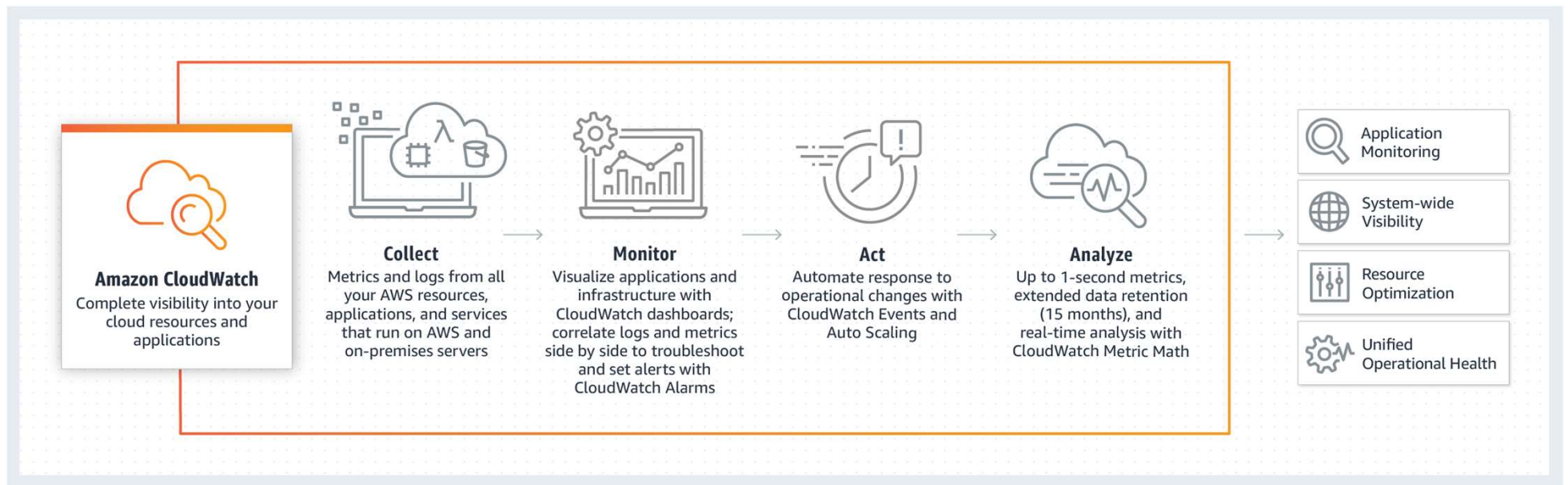
- ✓ CPU
- ✓ Network
- ✓ Disk
- ✓ Status Check



**Note:** RAM Utilization is a custom metric! By default EC2 monitoring is 5 minute intervals, unless you enable detailed monitoring which will then make it 1 minute intervals.



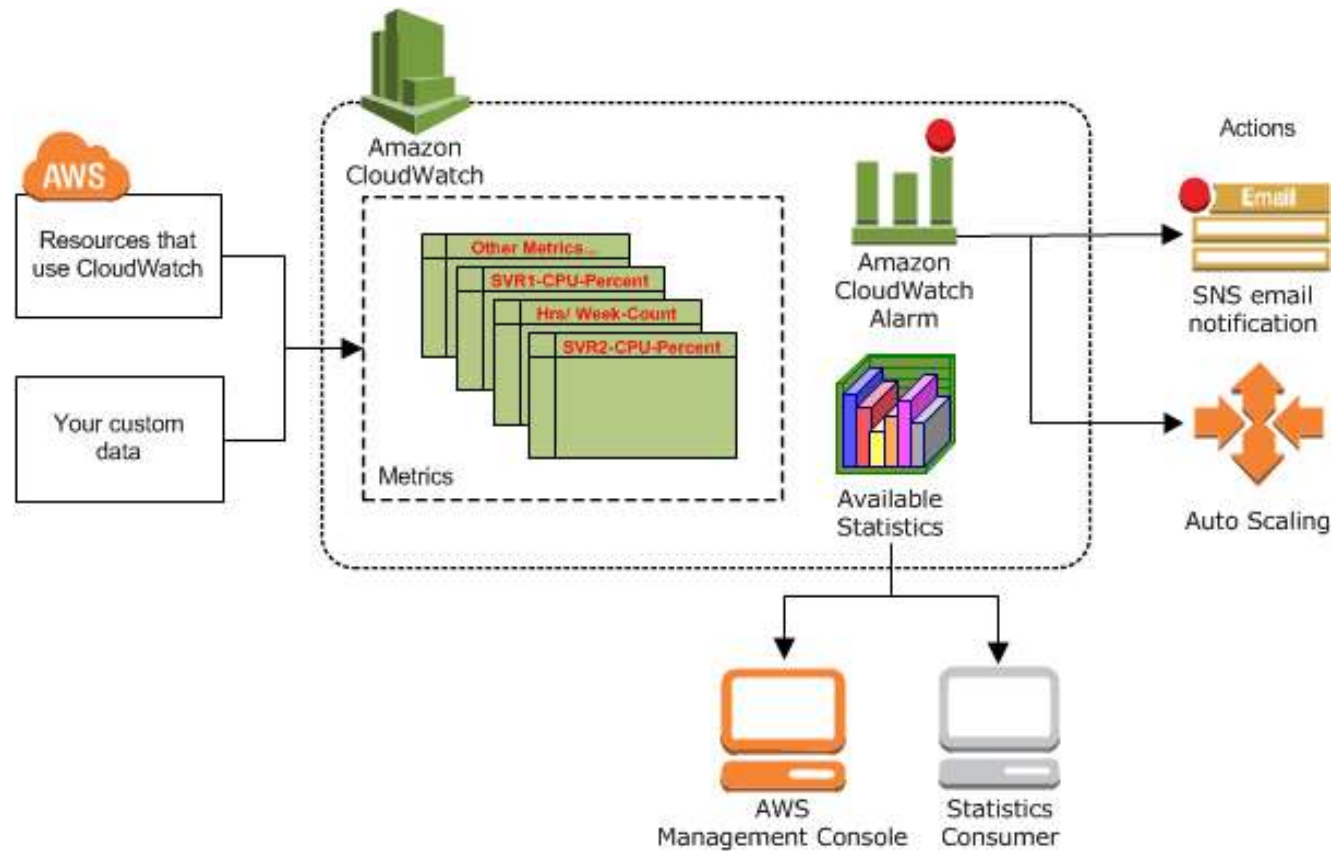
# How Amazon CloudWatch works







# How Amazon CloudWatch works





# CloudWatch Alarms

- You can create an alarm to monitor any Amazon CloudWatch metric in your account. This can include EC2 CPU Utilization, Elastic Load Balancer Latency or even the charges on your AWS bill. You can set the appropriate thresholds in which to trigger the alarms and also set What actions should be taken if an alarm state is reached.





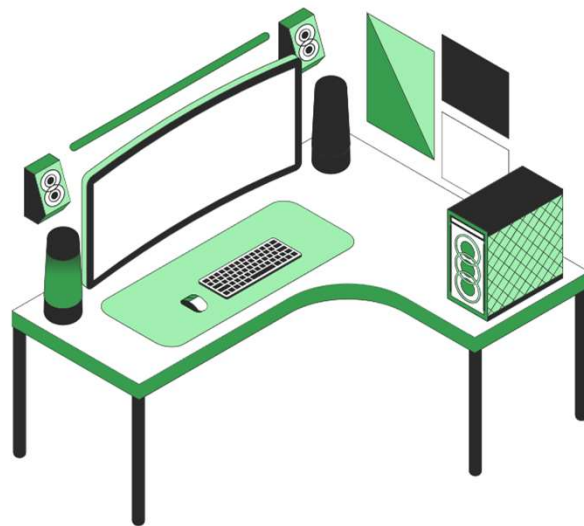


# Pricing

## Free tier

You can get started with Amazon CloudWatch for free. Most AWS Services (EC2, S3, Kinesis, etc.) send metrics automatically for free to CloudWatch. Many applications should be able to operate within these free tier limits. You can learn more about AWS Free Tier [here](#).

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



Do you  
have any  
questions?

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