

Amazon CloudWatch

Complete Visibility of Your Cloud Resources and Applications

Get started with CloudWatch

Amazon CloudWatch is a monitoring and management service built for developers, system operators, site reliability engineers (SRE), and IT managers. CloudWatch provides you with data and actionable insights to monitor your applications, understand and respond to system-wide performance changes, optimize resource utilization, and get a unified view of operational health. CloudWatch collects monitoring and operational data in the form of logs, metrics, and events, providing you with a unified view of AWS resources, applications and services that run on AWS, and on-premises servers. You can use CloudWatch to set high resolution alarms, visualize logs and metrics side by side, take automated actions, troubleshoot issues, and discover insights to optimize your applications, and ensure they are running smoothly.

With Amazon CloudWatch, it is easy to get started. There is no up-front commitment or minimum fee; you simply pay for what you use. You will be charged at the end of the month for what you use.

Gaining Gaining Better Observability of Your VMs with Amazon CloudWatch

ACCESS ALL YOUR DATA FROM A SINGLE PLATFORM

Monitoring your AWS resources is easy with Amazon CloudWatch. CloudWatch is natively integrated with more than 70 AWS services such as Amazon EC2, Amazon DynamoDB, Amazon S3, Amazon ECS, AWS Lambda, Amazon API Gateway, etc. that automatically publish detailed 1-minute metrics and custom metrics with up to 1-second granularity. You can use AWS Systems Manager to install a CloudWatch Agent, or you can use the CloudWatch API to easily collect, publish, and store this data in CloudWatch.

RICHEST AND DEEPEST INSIGHTS FOR AWS RESOURCES

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VISIBILITY ACROSS YOUR APPLICATIONS, INFRASTRUCTURE, AND SERVICES

Gaining visibility across your distributed stack means correlating and visualizing metrics and logs to quickly pinpoint and resolve issues. With Amazon CloudWatch, you can visualize key metrics like CPU utilization and memory. You can also correlate a log pattern, e.g. error to a specific metric to quickly get the context and go from diagnosing the problem to understanding the root cause.

REDUCE MEAN TIME TO RESOLUTION (MTTR) AND IMPROVE TOTAL COST OF OWNERSHIP (TCO)

Amazon CloudWatch enables you to set high resolution alarms and take automated actions. This means freeing up important resources to focus on adding business value. For example, you can get alerted on Amazon EC2 instances and set up Auto Scaling to add or remove instances. You can also execute automated responses to detect and shut down unused EC2 resources, reducing billing overages and improving resource optimization.

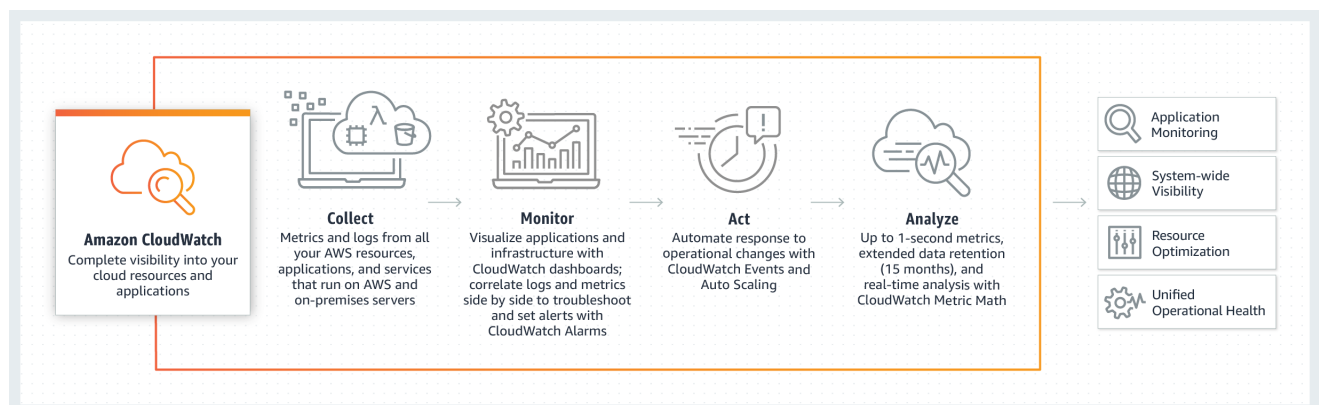
DRIVE INSIGHTS TO OPTIMIZE APPLICATIONS AND OPERATIONAL RESOURCES

You need a unified operational view, real-time granular data, and historical reference to optimize performance and resource utilization. With Amazon CloudWatch, you get enhanced monitoring with 1-second granularity and up to 15 months of metrics storage and retention. You can also leverage native CloudWatch features, such as Metric Math, to perform calculations on your metric data. For example, you can aggregate usage across an entire fleet of EC2 instances to derive operational and utilization insights.

PAY AS YOU GO

With Amazon CloudWatch, there is no up-front commitment or minimum fee; you simply pay for what you use. You will be charged at the end of the month for your usage. To see more details, visit the [CloudWatch Pricing page](#). Estimate your monthly bill using the [AWS Simple Monthly Calculator](#).

How it works



Blog posts & articles



New – Amazon CloudWatch Agent with AWS Systems Manager Integration – Unified Metrics & Log Collection for Linux & Windows

Jeff Barr

Dec 14, 2017



Amazon CloudWatch Metric Math simplifies near real-time monitoring of your Amazon EFS file systems and more

Helen Lin, Darryl S. Osborne

April 04, 2018

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