Amazon CloudWatch

A Message Queuing Service

Case Study



**Introduction**

Amazon CloudWatch monitors your Amazon Web Services (AWS) resources and the applications you run on AWS in real time. You can use CloudWatch to collect and track metrics, which are variables you can measure for your resources and applications.

The CloudWatch home page automatically displays metrics about every AWS service you use. You can additionally create custom dashboards to display metrics about your custom applications, and display custom collections of metrics that you choose.

You can create alarms that watch metrics and send notifications or automatically make changes to the resources you are monitoring when a threshold is breached. For example, you can monitor the CPU usage and disk reads and writes of your Amazon EC2 instances and then use that data to determine whether you should launch additional instances to handle increased load. You can also use this data to stop under-used instances to save money.

With CloudWatch, you gain system-wide visibility into resource utilization, application performance, and operational health.

Steps

Step 1 : **Launch an EC2 instance**

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1. Make sure you are in the **N.Virginia Region**.
2. Navigate to EC2 by clicking on the  menu in the top, then click on**EC2** in the **Compute** section.
3. Navigate to **Instances**from the left side menu and click on **Launch Instances**button.
4. **Choose an Amazon Machine Image (AMI):** Search for **Amazon Linux 2 AMI** in the search box and click on the **select** button.

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**Launch Status:** Your instance is now launching. Click on the instance ID and wait for complete initialization of instance (until the status changes to Running)

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Note the **Public IPv4 Address** and **Instance ID** of the EC2 instance. A sample is shown in the screenshot below.

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**Step-2: Creating a CloudWatch Dashboard**

1. **Wait for 5-10 minutes for CloudWatch to gather matrics from EC2 Instance.**
2. Navigate to **CloudWatch**by clicking on the  menu at the top of the page, then click on CloudWatch in the Management and Governance section.
3. Click on **Dashboards**on the left panel.
4. Click on **Try out the new interface** to use the AWS new interface of CloudWatch.

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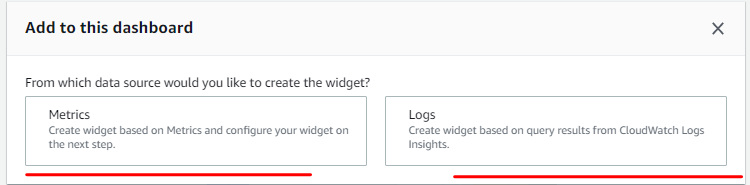
Give name to dashboard that you are creating.

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