

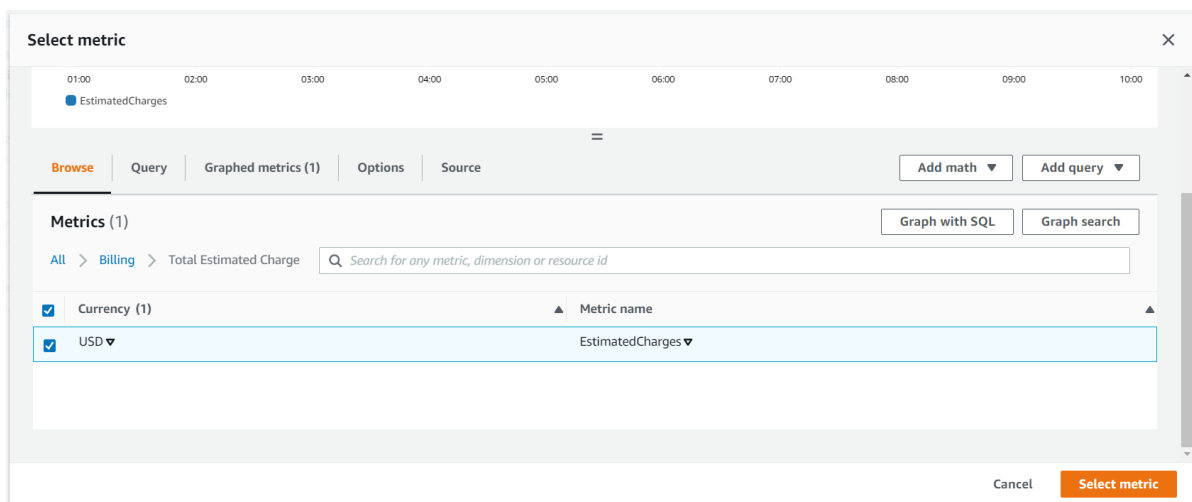
Core Assignment 2: Create a Billing Alarm in AWS CloudWatch

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Create a Billing Alarm in AWS CloudWatch to send an email notification when the estimated charges go above \$10USD.

Step1:

Go to [CloudWatch](#) in AWS Console and navigate to **Alarms > Billing > Create Alarm > Select metric > Billing > Total Estimated Charge**



In **Conditions** let's add the maximum amount of money to trigger the notification `[$10USD]` .

Conditions

Threshold type

☒ **Static**
Use a value as a threshold

☐ **Anomaly detection**
Use a band as a threshold

Whenever EstimatedCharges is...
Define the alarm condition.

☒ **Greater**
> threshold

☐ **Greater/Equal**
≥ threshold

☐ **Lower/Equal**
≤ threshold

☐ **Lower**
< threshold

than...
Define the threshold value.

USD

Must be a number

► **Additional configuration**

Cancel
Next

After that let's create a new SNS topic and let's call it for example `Billing_CloudWatch_Alarms_Topic` and then specify the email address that will be able to receive the notifications.

Notification

Alarm state trigger
Define the alarm state that will trigger this action.

☒ **In alarm**
The metric or expression is outside of the defined threshold.

☐ **OK**
The metric or expression is within the defined threshold.

☐ **Insufficient data**
The alarm has just started or not enough data is available.

Remove

Send a notification to the following SNS topic
Define the SNS (Simple Notification Service) topic that will receive the notification.

☐ Select an existing SNS topic

☒ **Create new topic**

☐ Use topic ARN to notify other accounts

Create a new topic...
The topic name must be unique.

SNS topic names can contain only alphanumeric characters, hyphens (-) and underscores (_).

Email endpoints that will receive the notification...
Add a comma-separated list of email addresses. Each address will be added as a subscription to the topic above.

user1@example.com, user2@example.com

Create topic
Add notification

Preview and create

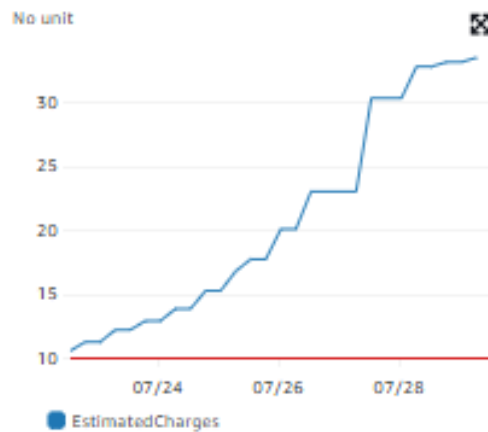
Step 1: Specify metric and conditions

[Edit](#)

Metric

Graph

This alarm will trigger when the blue line goes above the red line for 1 datapoints within 6 hours.



Namespace

AWS/Billing

Metric name

EstimatedCharges

Currency

USD

Statistic

Maximum

Period

6 hours

Conditions

Threshold type

Static

Whenever **EstimatedCharges** is

Greater (>)

than...

10

[► Additional configuration](#)

Step 2: Configure actions

Edit

Actions

Notification
When In alarm, send a notification to "Billing_CloudWatch_Alarms_Topic"

Step 3: Add name and description

Edit

Name and description

Name
BillingAlarm10USD

Description
-

Cancel

Previous

Create alarm

Alarm created successfully

☑ Successfully created alarm BillingAlarm10USD.

View alarm

×