

En esta guía veremos cómo **agregar una alerta de billing** para que no nos sorprenda la facturación

Aunque usemos una cuenta de AWS con la modalidad “Free Tier” vigente, lo mismo **se nos puede facturar** lo que exceda la capa free o si por error usamos un recurso que no esté en esa capa también, por eso necesitamos saber si eso ocurre.

Un “Billing Alarm” es un límite que definimos para que cuando se alcance, nos avise por email

Antes de crear una alarma para los cargos estimados, debe habilitar las alertas de facturación, a fin de que pueda supervisar los cargos estimados de AWS y crear una alarma a través de los datos de las métricas de facturación.

Después de habilitar las alertas de facturación por primera vez, se tardan unos 15 minutos antes de poder ver los datos de facturación y definir alertas de facturación.

Habilitar alertas de facturación

Ingresar a la consola de AWS con la credencial de usuario root o permisos sobre el billing

Buscar el Dashboard de Billing en la barra de servicios

En el menú izquierdo en la sección de “Preferences” click en “Billing preferences”

Marcar “Receive Billing Alerts” y “Receive Free Tier Usage Alerts” y click en “Save Preferences”

The screenshot shows the AWS Billing Preferences page. The left sidebar contains a navigation menu with the following items: Home, Cost Management, Cost Explorer, Budgets, Budgets Reports, Savings Plans, Cost & Usage Reports, Cost Categories, Cost allocation tags, Billing, Bills, Orders and invoices, Credits, Purchase orders, Preferences (highlighted), Billing preferences (highlighted), Payment methods, Consolidated billing, and Tax settings. The main content area is titled 'Preferences' and includes the following sections:

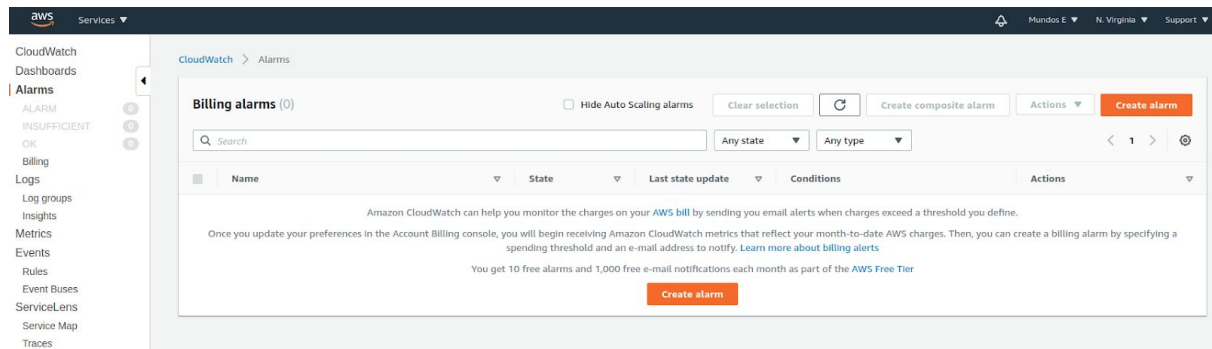
- Billing Preferences**
 - ☐ **Receive PDF Invoice By Email**
Turn on this feature to receive a PDF version of your invoice by email. Invoices are generally available within the first three days of the month.
- Cost Management Preferences**
 - ☒ **Receive Free Tier Usage Alerts**
Turn on this feature to receive email alerts when your AWS service usage is approaching, or has exceeded, the AWS Free Tier usage limits. If you wish to receive these alerts at an email address that is not the primary email address associated with this account, please specify the email address below.
Email Address:
- Receive Billing Alerts**
 - ☒ **Receive Billing Alerts**
Turn on this feature to monitor your AWS usage charges and recurring fees automatically, making it easier to track and manage your spending on AWS. You can set up billing alerts to receive email notifications when your charges reach a specified threshold. Once enabled, this preference cannot be disabled. [Manage Billing Alerts](#) or [try the new budgets feature!](#)
- Detailed Billing Reports [Legacy]**
 - ☐ Turn on the legacy Detailed Billing Reports feature to receive ongoing reports of your AWS charges.

At the bottom of the page, there is a 'Save to S3 Bucket' button with a 'Configure' link, and a 'Save preferences' button.

Creación de una alarma de facturación

En este procedimiento, creamos una alarma que envía un mensaje de correo electrónico cuando los cargos estimados de AWS superan un umbral especificado

En la barra de servicios buscamos Cloudwatch y en el menú de la izquierda click en “Billing” y luego en “Create alarm”



Completamos los items según la siguiente pantalla:

The screenshot shows the 'Specify metric and conditions' step of the AWS CloudWatch 'Create alarm' wizard. The left sidebar shows the progress: Step 1 (Specify metric and conditions), Step 2 (Configure actions), Step 3 (Add name and description), and Step 4 (Preview and create). The main content area is divided into two sections: 'Metric' and 'Conditions'. In the 'Metric' section, a graph shows a red line at a threshold of 5. The 'EstimatedCharges' metric is selected. The 'Namespace' is 'AWS/Billing', the 'Metric name' is 'EstimatedCharges', the 'Currency' is 'USD', the 'Statistic' is 'Maximum', and the 'Period' is '6 hours'. In the 'Conditions' section, the 'Threshold type' is 'Static'. The condition is 'Whenever EstimatedCharges is... Greater > threshold'. The threshold value is '5' and the unit is 'USD'. There are 'Cancel' and 'Next' buttons at the bottom right.

DIPLOMATURA DEVOPS - GUIA PRACTICA

En la pantalla siguiente elija “Create a new topic” en “Select an SNS topic”

Configure actions

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.

Select an 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

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

Default_CloudWatch_Alarms_Topicc

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.

marceamx@gmail.com

user1@example.com, user2@example.com

Create topic

Add notification

Click en “next” y creamos la alarma

Add name and description

Name and description

Alarm name

ME_billing_alarm

Alarm description - optional

Billing Alarm for services

Up to 1024 characters (26/1024)

Cancel **Previous** **Next**

Revisamos la preview y damos click en “creaste alarm”

Preview and create

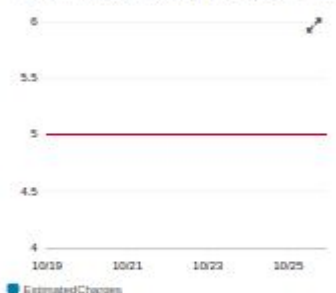
Step 1: Specify metric and conditions

Edit

Metric

Graph

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



EstimatedCharges

Namespace

AWS/Billing

Metric name

EstimatedCharges

Currency

USD

Statistic

Maximum

Period

6 hours

Conditions

Threshold type

Static

Whenever EstimatedCharges is

Greater (>)

than...

5

► Additional configuration

Step 2: Configure actions

Edit

Actions

Notification

When in alarm, send a notification to "Default_CloudWatch_Alarms_Topic"

Step 3: Add name and description

Edit

Name and description

Name

ME_billing_alarm

Description

Billing Alarm for services

Cancel

Previous

Create alarm

Finalmente se nos enviará un email para confirmar la validación de la alarma creada, de esta forma cuando se superen los 5 dólares de consumo se nos avisará, tener en cuenta que NO se detendrán automáticamente los servicios, solo se nos avisará para que entremos y los paremos nosotros.