

# Adicionando o Billing da AWS ao IBM Turbonomic

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**SESSÃO 1:**

# Overview

## Overview

Este documento cobre o processo de adicionar o Billing gerado pela AWS ao IBM Turbonomic. Adicionar informações financeiras da AWS ao IBM Turbonomic permite que seu rate card da AWS juntamente com suas instâncias reservadas (RI's) e Saving Plans sejam importados automaticamente para o IBM Turbonomic, refletindo assim os preços reais e uma gerência correta de mudanças envolvendo instâncias com RI's.

**SESSÃO 2:**

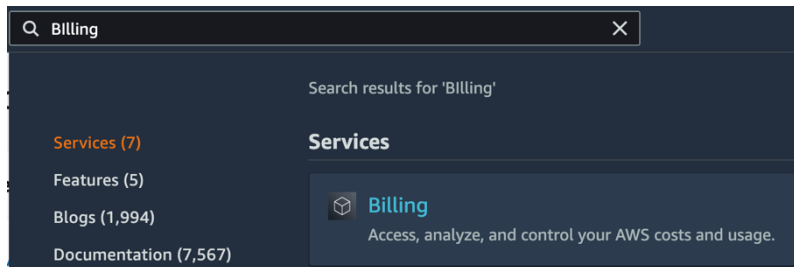
# Procedimento

## Procedimento

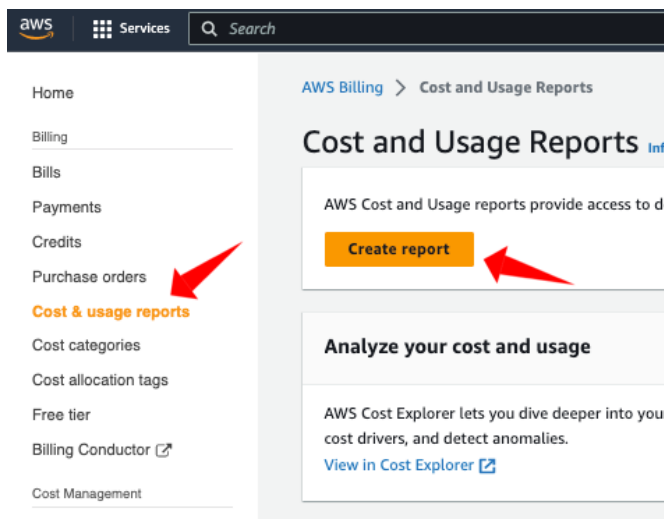
### Criando o export em um bucket S3

A AWS exterioriza suas informações de faturamento e descontos através de um arquivo texto em um bucket S3. Os passos abaixo mostram como criar corretamente para que o IBM Turbonomic faça a leitura correta das informações.

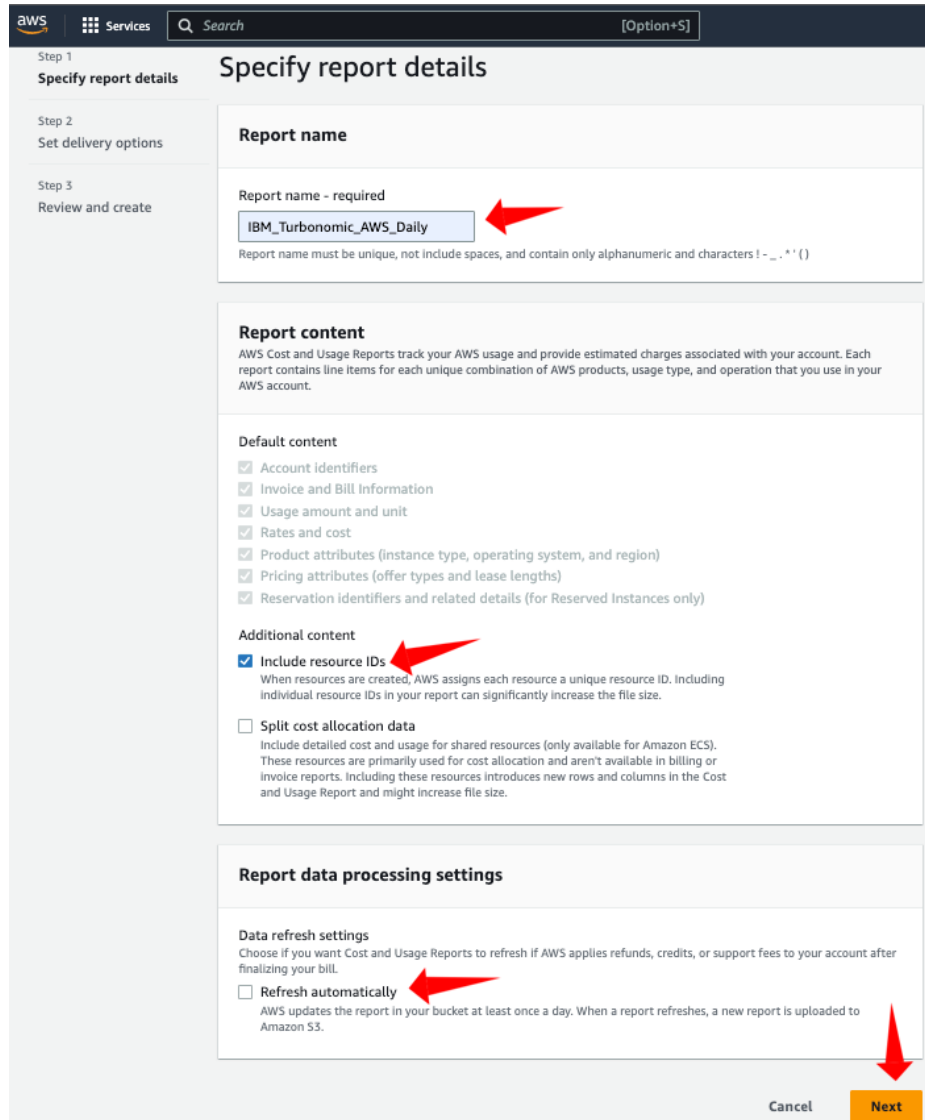
- 1- Em sua console da AWS, procure por Billing e acesse-o.



- 2- Depois acesse Cost & Usage Reports -> Create Report.



- 3- O nome do relatório, coloque **IBM\_Turbonomic\_AWS\_Daily** e marque a opção **Include resource Ids**, desmarcando a opção **Refresh automatically**. Clique em Next.



aws Services Search [Option+S]

Step 1  
Specify report details

Step 2  
Set delivery options

Step 3  
Review and create

### Specify report details

#### Report name

Report name - required

IBM\_Turbonomic\_AWS\_Daily

Report name must be unique, not include spaces, and contain only alphanumeric and characters ! - \_ . \* { }

#### Report content

AWS Cost and Usage Reports track your AWS usage and provide estimated charges associated with your account. Each report contains line items for each unique combination of AWS products, usage type, and operation that you use in your AWS account.

##### Default content

- ☒ Account identifiers
- ☒ Invoice and Bill information
- ☒ Usage amount and unit
- ☒ Rates and cost
- ☒ Product attributes (instance type, operating system, and region)
- ☒ Pricing attributes (offer types and lease lengths)
- ☒ Reservation identifiers and related details (for Reserved Instances only)

##### Additional content

- ☒ Include resource IDs  
When resources are created, AWS assigns each resource a unique resource ID. Including individual resource IDs in your report can significantly increase the file size.
- ☐ Split cost allocation data  
Include detailed cost and usage for shared resources (only available for Amazon ECS). These resources are primarily used for cost allocation and aren't available in billing or invoice reports. Including these resources introduces new rows and columns in the Cost and Usage Report and might increase file size.

#### Report data processing settings

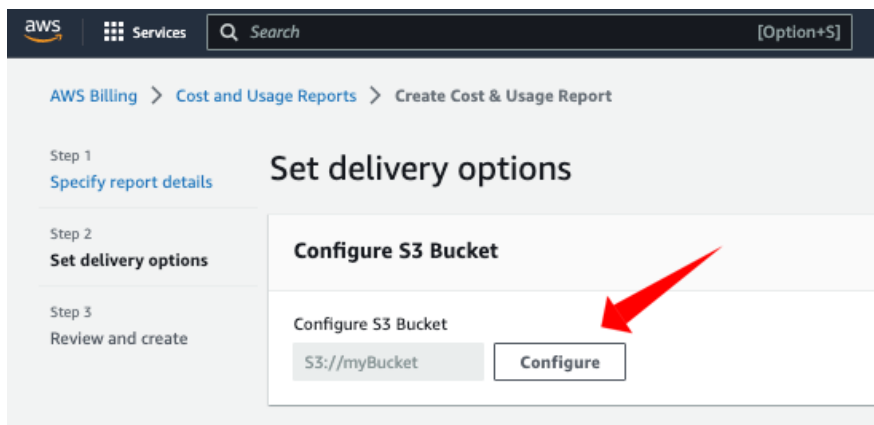
##### Data refresh settings

Choose if you want Cost and Usage Reports to refresh if AWS applies refunds, credits, or support fees to your account after finalizing your bill.

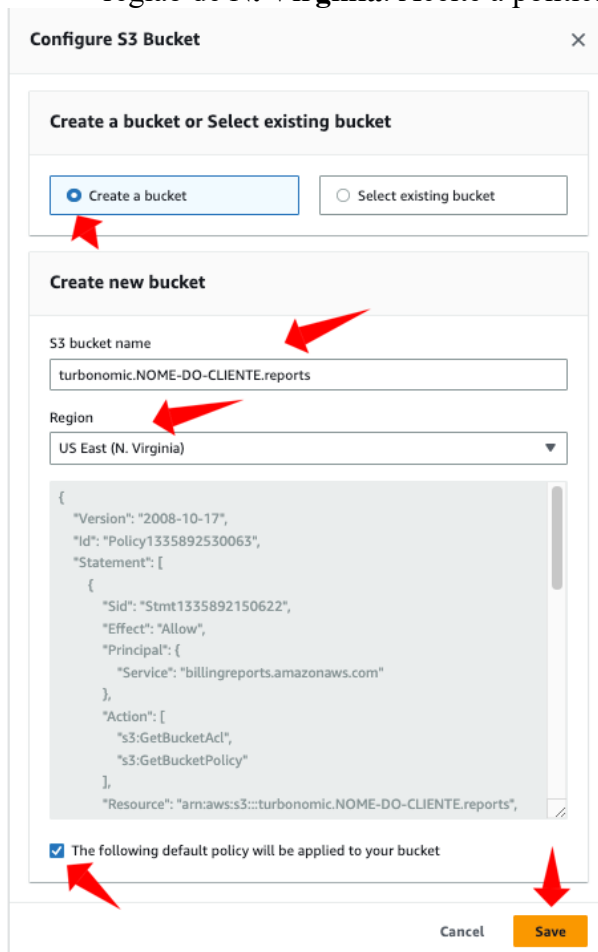
- ☐ Refresh automatically  
AWS updates the report in your bucket at least once a day. When a report refreshes, a new report is uploaded to Amazon S3.
- ☒ Refresh manually

Cancel Next

- 4- Nesta próxima tela, precisamos primeiro configurar um bucket. Clique em **Configure** na sessão S3 bucket.



- 5- Na sessão Create S3 bucket, digite **turbonomic.NOME-DO-CLIENTE.reports**. O **NOME-DO-CLIENTE** deve ser o mesmo que aparecerá na custom policy de permissão de leitura (arn:aws:s3:::turbonomic.NOME-DO-CLIENTE.reports). Deixe na região de **N. Virginia**. Aceite a política e clique em **Save**.



- 6- O bucket será validado. No Report path prefix, coloque **daily**. A granularidade e versionamento, são diários e sempre criar uma nova versão, igual a tela abaixo. Confirme após.



**Report delivery options**

S3 path prefix - required  
daily ⓘ

Report data time granularity  
Choose the time granularity for how you want the line items in the report to be aggregated.

☒ Hourly  
☐ Daily  
☐ Monthly

Report versioning  
Choose whether you want each version of the report to overwrite the previous version of the report or to be delivered in addition to the previous versions.

☒ Create new report version  
Delivering new report versions can improve audibility of billing data over time.

☐ Overwrite existing report  
Overwriting reports can save on Amazon S3 storage costs.

Report data integration  
☐ Amazon Athena  
☐ Amazon Redshift  
☐ Amazon QuickSight

Compression type  
GZIP ▼

File format: text/csv

Cancel Previous **Next**

- 7- Após as confirmações, precisaremos do S3 bucket, report path e a região que o bucket foi criado (no passo 5).

**Report delivery options** Edit

S3 bucket  
turbonomic.ricardolima.reports

S3 path prefix  
daily/IBM\_Turbonomic\_AWS\_Daily/date-range/

Time granularity  
Hourly

Report versioning  
Create new report version

Compression type  
GZIP

File format  
text/csv

Cancel Previous **Create report**

- 8- Dentro do IBM Turbonomic, preencha o target AWS Billing com as informações gerada nos passos acima:

## ◀ ADD AWS Billing Target

CUSTOM TARGET NAME \*

AWS Billing

☐ IAM Role

ACCESS KEY \*

AWS Key

SECRET ACCESS KEY \*

.....

COST AND USAGE REPORT BUCKET \*

turbonomic.nomedocliente.reports

COST AND USAGE REPORT PATH \*

daily/IBM\_Turbonomic\_AWS\_Daily

COST AND USAGE REPORT REGION \*

us-east-1

Lembrando que o Cost and Usage Report Region é na notação AWS. Segue uma tabela se o bucket foi criado em outra região sem ser a us-east-1:

Region Name	Region
US East (Ohio)	us-east-2
US East (N. Virginia)	us-east-1
US West (N. California)	us-west-1
US West (Oregon)	us-west-2
Asia Pacific (Hong Kong)	ap-east-1
Asia Pacific (Mumbai)	ap-south-1
Asia Pacific (Seoul)	ap-northeast-2
Asia Pacific (Singapore)	ap-southeast-1
Asia Pacific (Sydney)	ap-southeast-2
Asia Pacific (Tokyo)	ap-northeast-1
Canada (Central)	ca-central-1
China (Beijing)	cn-north-1
China (Ningxia)	cn-northwest-1
EU (Frankfurt)	eu-central-1
EU (Ireland)	eu-west-1
EU (London)	eu-west-2
EU (Paris)	eu-west-3
EU (Stockholm)	eu-north-1
Middle East (Bahrain)	me-south-1
South America (Sao Paulo)	sa-east-1
AWS GovCloud (US-East)	us-gov-east-1
AWS GovCloud (US-West)	us-gov-west-1