

# Day\_1

Carlos costa #53

Etapas 1:

Criação Ec2

Instance summary for i-0402a4a946747121a (ServerDay\_1) [info](#)

Updated 5 minutes ago

Instance ID

[i-0402a4a946747121a](#)

IPv6 address

-

Hostname type

IP name: ip-172-31-27-177.ec2.internal

Answer private resource DNS name

IPv4 (A)

Auto-assigned IP address

[18.206.199.10](#) [Public IP]

IAM Role

-

IMDSv2

Required

Operator

-

Public IPv4 address

[18.206.199.10](#) | [open address](#)

Instance state

[Running](#)

Private IP DNS name (IPv4 only)

[ip-172-31-27-177.ec2.internal](#)

Instance type

t2.micro

VPC ID

[vpc-0eb480e8df9e152ae](#)

Subnet ID

[subnet-0625c72d8290ca060](#)

Instance ARN

[arn:aws:ec2:us-east-1:571267839083:instance/i-0402a4a946747121a](#)

Private IPv4 addresses

[172.31.27.177](#)

Public IPv4 DNS

[ec2-18-206-199-10.compute-1.amazonaws.com](#) | [open address](#)

Elastic IP addresses

-

AWS Compute Optimizer finding

[Opt-in to AWS Compute Optimizer for recommendations.](#) | [Learn more](#)

Auto Scaling Group name

-

Managed

false

Instância criada com os requisitos necessários

CloudWatch:

Conditions

Threshold type

Anomaly detection

Whenever CPUUtilization is Greater (>)

Anomaly detection threshold

80

Details

Name

AlarmeCpu2701

Type

Metric alarm

Description

No description

Step 2: Configure actions

Actions

Notification

When In alarm, send a notification to "InstanceAlert"

Step 3: Add name and description

Name and description

Name

AlarmeCpu2701

State

[OK](#)

Threshold

CPUUtilization > 80 for 1 datapoints within 5 minutes

Last state update

2025-01-27 12:47:34 (UTC)

Actions

[Actions enabled](#)

Namespace

AWS/EC2

Metric name

CPUUtilization

Instanced

i-0402a4a946747121a

Instance name

ServerDay\_1

Statistic

Average

Period

5 minutes

Datapoints to alarm

1 out of 1

Missing data treatment

Treat missing data as missing

Percentiles with low samples

evaluate

ARN

arn:aws:cloudwatch:us-east-1:571267839083:alarm:AlarmeCpu2701

Alarme criado e devidamente associado a instância Ec2

Tópico SNS

## InstanceAlert

### Details

**Name**

InstanceAlert

**Display name**

-

**ARN**

arn:aws:sns:us-east-1:571267839083:InstanceAlert

**Topic owner**

571267839083

**Type**

Standard

Tópico SNS criado e designado para o e-mail "[carlos.f.costa10@aluno.senai.br](mailto:carlos.f.costa10@aluno.senai.br)"

Todos os serviços criados nessa etapa estão com suas devidas tags, assim prontos para receber a implementação dos outros serviços das próximas etapas.

Etapa 2:

**cloudwatch-s3-storage-carlos** Info

Objects

Metadata - Preview


Properties

Permissions

**Objects (1)**

Objects are the fundamental entities stored in Amazon S3. You can use [A](#)

Find objects by prefix

<input type="checkbox"/>	Name	Type
<input type="checkbox"/>	 <a href="#">system-logs.txt</a>	txt

Bucket S3 criado com as especificações necessárias e objeto adicionado com a tag requerida.

Etapa 3:

Cloudwatch

### Step 2: Configure actions

#### Conditions

Threshold type  
Anomaly detection

Whenever **NetworkIn** is  
Greater (>)

Anomaly detection threshold  
1

#### Actions

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

### Step 3: Add name and description

#### Name and description

Name  
NetAlarm

Métrica NetworkIn adicionada e integrada com o ec2


```
top - 13:40:57 up 1:18, 1 user, load average: 0.09, 1.14, 0.75
Tasks: 93 total, 1 running, 50 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni, 86.0 id, 0.0 wa, 0.0 hi, 0.0 si, 14.0 st
KiB Mem : 975524 total, 476404 free, 81084 used, 418036 buff/cache
KiB Swap: 0 total, 0 free, 0 used, 750804 avail Mem

1172 root      20   0   7584    100    0 R 12.3   0.0   0:14.83 stress
   1 root      20   0 123496  5392  3908 S 0.0   0.6   0:00.74 systemd
   2 root      20   0     0     0     0 S 0.0   0.0   0:00.00 kthreadd
   3 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 rcu_gp
   4 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 rcu_par_gp
   6 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 kworker/0:0H-ev
   8 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 mm_percpu_wq
   9 root      20   0     0     0     0 S 0.0   0.0   0:00.00 rcu_tasks_rude_
  10 root      20   0     0     0     0 S 0.0   0.0   0:00.00 rcu_tasks_trace
  11 root      20   0     0     0     0 S 0.0   0.0   0:00.38 ksoftirqd/0
  12 root      20   0     0     0     0 I 0.0   0.0   0:00.08 rcu_sched
  13 root      rt   0     0     0     0 S 0.0   0.0   0:00.02 migration/0
  15 root      20   0     0     0     0 S 0.0   0.0   0:00.00 cpuhp/0
  17 root      20   0     0     0     0 S 0.0   0.0   0:00.00 kdevtmpfs
  18 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 netns
  20 root      20   0     0     0     0 S 0.0   0.0   0:00.02 kauditd
 299 root      20   0     0     0     0 S 0.0   0.0   0:00.00 khungtaskd
300 root      20   0     0     0     0 S 0.0   0.0   0:00.00 oom_reaper
301 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 writeback
303 root      20   0     0     0     0 S 0.0   0.0   0:00.11 kcompactd0
304 root      25   5     0     0     0 S 0.0   0.0   0:00.00 ksmd
305 root      39  19     0     0     0 S 0.0   0.0   0:00.00 khugepaged
361 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 kintegrityd
363 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 kblockd
364 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 blkcg_punt_bio
628 root      20   0 148520  8856  7548 S 0.0   0.9   0:00.01 sshd
717 root      20   0     0     0     0 S 0.0   0.0   0:00.00 xen-balloon
723 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 tpm_dev_wq
729 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 md
732 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 edac-poller
737 root     -51   0     0     0     0 S 0.0   0.0   0:00.00 watchdogd
833 root      0 -20   0     0     0 I 0.0   0.0   0:00.14 kworker/0:1H-kb
886 root      20   0     0     0     0 S 0.0   0.0   0:00.06 kswapd0
888 root      0 -20   0     0     0 I 0.0   0.0   0:00.00 xfsalloc
```

Teste de carga cpuutilization

ALARM: "NetAlarm" in US East (N. Virginia) 

Caixa de entrada x



AWS Notifications <no-reply@sns.amazonaws.com>

para mim ▾

You are receiving this email because your Amazon CloudWatch Alarm "NetAlarm" in the US East (N. Virginia) region has entered (1.0)." at "Monday 27 January, 2025 13:26:31 UTC".

View this alarm in the AWS Management Console:  
<https://us-east-1.console.aws.amazon.com/cloudwatch/deeplink.js?region=us-east-1#alarmsV2:alarm/NetAlarm>

Alarm Details:

- Name: NetAlarm
- Description:
- State Change: INSUFFICIENT\_DATA -> ALARM
- Reason for State Change: Threshold Crossed: 1 datapoint [90.0 (27/01/25 13:21:00)] was greater than the threshold (1.0).
- Timestamp: Monday 27 January, 2025 13:26:31 UTC
- AWS Account: 571267839083
- Alarm Arn: arn:aws:cloudwatch:us-east-1:571267839083:alarm:NetAlarm

Alarme de 1 GB de internet ativado.

Details					
<b>Name</b> BillAlarm	<b>State</b> ☹ Insufficient data	<b>Namespace</b> AWS/Billing	<b>Datapoints to alarm</b> 1 out of 1	<b>Missing data treatment</b> Treat missing data as missing	
<b>Type</b> Metric alarm	<b>Threshold</b> EstimatedCharges > 20 for 1 datapoints within 1 minute	<b>Metric name</b> EstimatedCharges	<b>Percentiles with low samples</b> evaluate		
<b>Description</b> No description	<b>Last state update</b> 2025-01-27 13:40:00 (UTC)	<b>Currency</b> USD	<b>ARN</b> arn:aws:cloudwatch:us-east-1:571267839083:alarm:BillAlarm		
	<b>Actions</b> ✔ Actions enabled	<b>Statistic</b> Maximum			
		<b>Period</b> 1 minute			

Alarme para controle de custos ativado