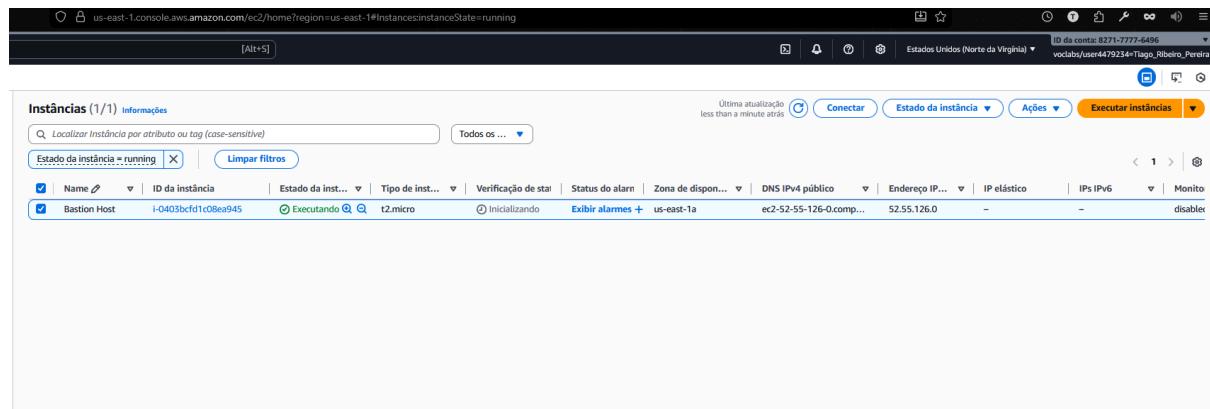


Nome: Tiago Ribeiro Pereira

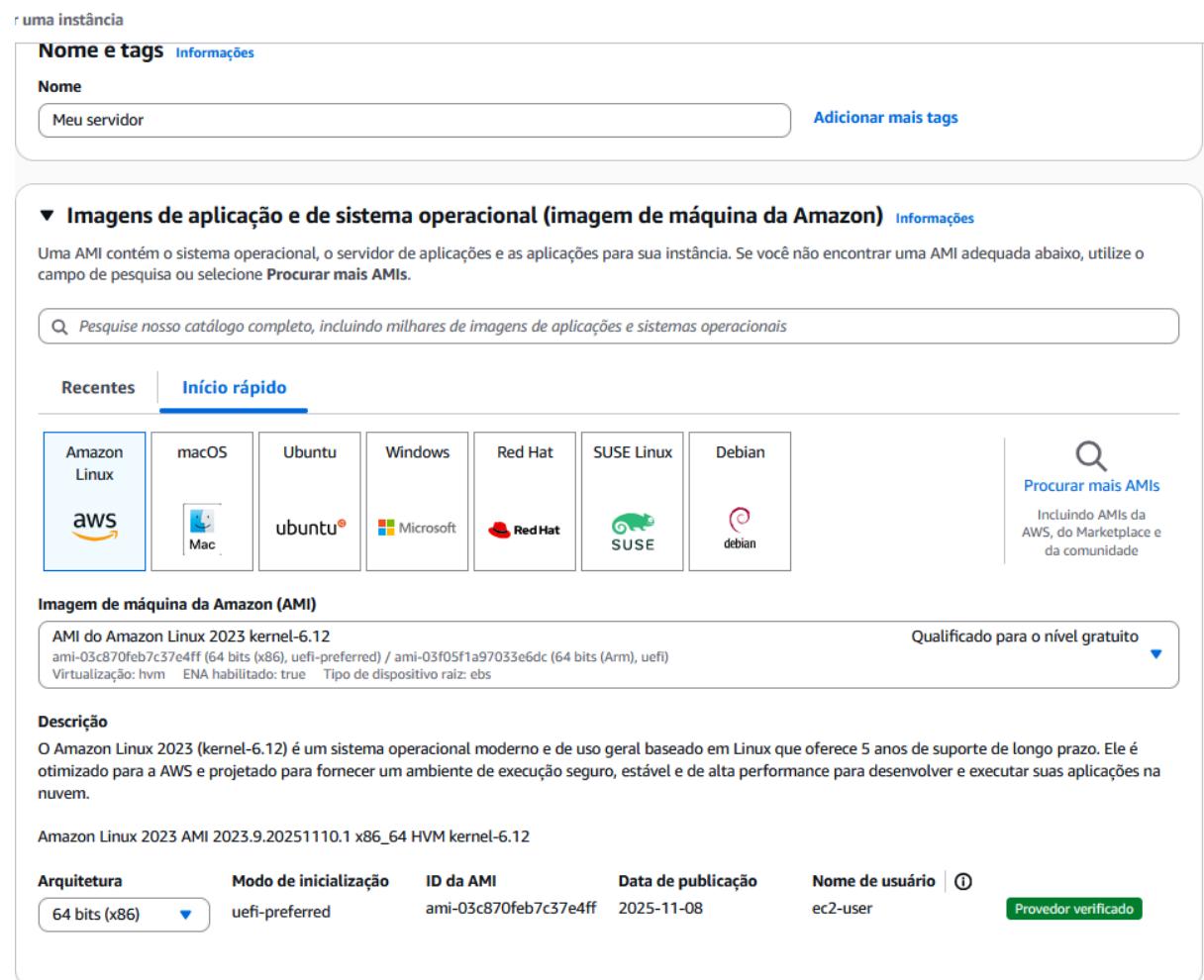
RA: 324155609

1) Executando instâncias:



The screenshot shows the AWS CloudWatch Metrics interface. A single metric named 'CPU Utilization' is displayed across three days. The utilization starts at ~5%, peaks at ~100% on Nov 1st, and then gradually declines to ~10% by Nov 3rd.

2) Criando instância:

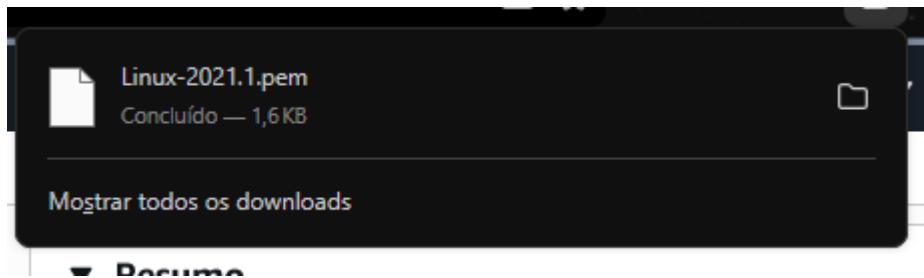


The screenshot shows the AWS Lambda console for creating a new function. The 'Code' tab is active, displaying a simple Python function:

```
def lambda_handler(event, context):
    return event
```

The 'Environment' tab is also visible below the code editor.

3) Criando um novo par de chaves:



4) Instância criada:

A screenshot of a web browser window showing the AWS EC2 Instances launch wizard. The URL is 'us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:'. The page shows a green success message box with a smiley face icon and the text 'Execução da instância iniciada com êxito (i-04b3ff384ced9daa3)'. Below it is a section titled 'Log de execução'. Further down are sections for 'Próximas etapas' with three cards: 'Crie alertas de faturamento e uso de nível gratuito', 'Conectar à sua instância', and 'Conectar um banco de dados do RDS'.

5) Conectando na instância:

A screenshot of a web browser window showing the AWS Connect instance page. The URL is 'us-east-1.console.aws.amazon.com/ec2/instances/i-04b3ff384ced9daa3/Connectar-se-a-instancia'. The page has tabs for 'Conectar' (selected), 'Informações' (disabled), and 'Conectar-se a uma instância usando o cliente baseado em navegador'. It shows the instance ID 'i-04b3ff384ced9daa3 (Meu servidor)' and connection type 'Conectar-se usando um IP público' (selected). Other options include 'Endereço IPv4 público' (selected) with address '54.164.181.181' and 'Endereço IPv6'. There's also a 'Nome de usuário' field with 'ec2-user' entered. A note at the bottom says 'Observação: na maioria dos casos, o nome de usuário padrão, ec2-user, está correto. No entanto, leia as instruções de uso da AMI para verificar se o proprietário da AMI alterou o nome de usuário da AMI padrão.' At the bottom right are 'Cancelar' and 'Conectar' buttons.

6) Usando o CMD:

```
ec2-user@ip-172-31-19-125:~ + | Microsoft Windows [versão 10.0.26100.7171]
(c) Microsoft Corporation. Todos os direitos reservados.

C:\Users\tiago>cd Downloads

C:\Users\tiago\Downloads>ssh -i "Linux-2021.1.pem" ec2-user@ec2-54-164-181-181.compute-1.amazonaws.com
The authenticity of host 'ec2-54-164-181-181.compute-1.amazonaws.com (54.164.181.181)' can't be established.
ED25519 key fingerprint is SHA256:mQRnJuz0jpk2SPXkbMoNvTi93RYRmHtRipKlc6sbiXM.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-164-181-181.compute-1.amazonaws.com' (ED25519) to the list of known hosts.

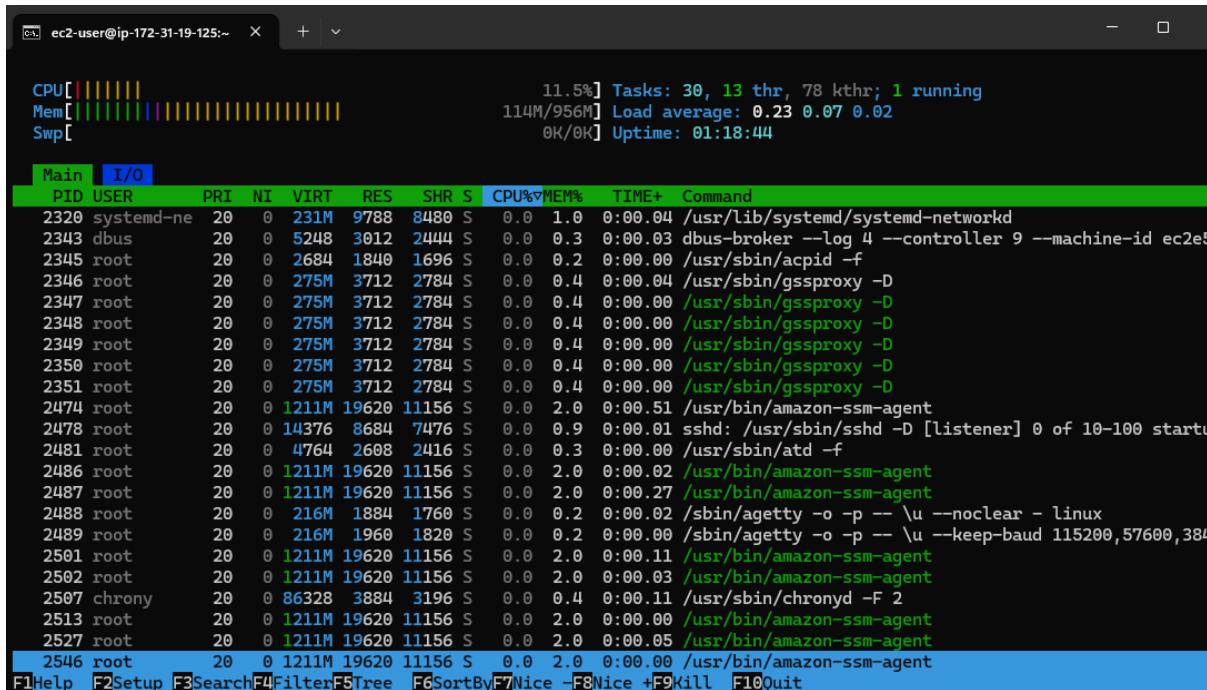
          #_
  ~\_\_ #####_      Amazon Linux 2023
  ~\_\_ \####\_
  ~\_\_ \|##|      https://aws.amazon.com/linux/amazon-linux-2023
  ~\_\_ \|/| _-->
  ~\_\_ \|/| />
  ~\_\_ \|/| />
  ~\_\_ \|/| />
  ~\_\_ \|/| />
[ec2-user@ip-172-31-19-125 ~]$
```

7) Instalando htop:

```
[ec2-user@ip-172-31-19-125 ~]$ sudo yum install htop
Amazon Linux 2023 Kernel Livepatch repository                                         208 kB/s | 29 kB     00:00
Dependencies resolved.
=====
Package           Architecture   Version       Repository      Size
=====
Installing:
  htop            x86_64        3.2.1-87.amzn2023.0.3           amazonlinux    183 k
Transaction Summary
=====
Install 1 Package

Total download size: 183 k
Installed size: 432 k
Is this ok [y/N]: y
Downloading Packages:
htop-3.2.1-87.amzn2023.0.3.x86_64.rpm                                         3.6 MB/s | 183 kB     00:00
Total                                         2.3 MB/s | 183 kB     00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing          :                                1/1
  Installing         : htop-3.2.1-87.amzn2023.0.3.x86_64 1/1
  Running scriptlet: htop-3.2.1-87.amzn2023.0.3.x86_64 1/1
  Verifying          : htop-3.2.1-87.amzn2023.0.3.x86_64 1/1
```

8)HTOP:



9) Instalando compilador C:

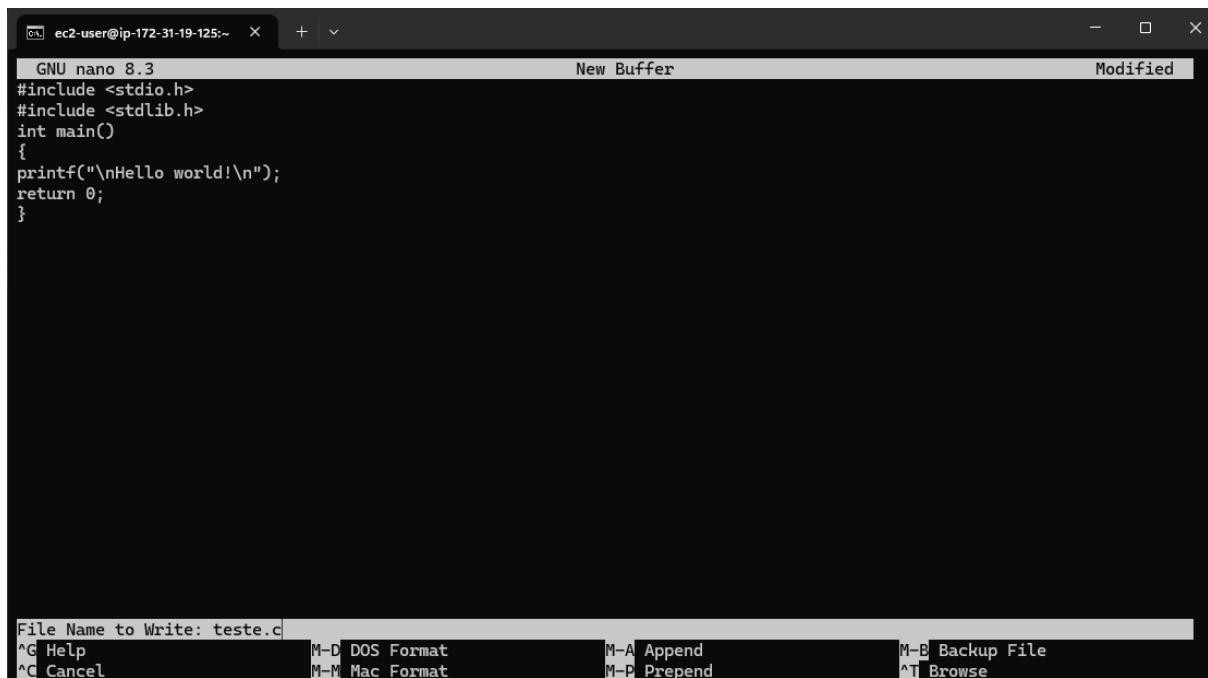
```
Transaction Summary
=====
Install 14 Packages

Total download size: 57 M
Installed size: 182 M
Is this ok [y/N]: y
Downloading Packages:
(1/14): annobin-docs-12.69-1.amzn2023.0.1.noarch.rpm           2.0 MB/s |  93 kB   00:00
(2/14): annobin-plugin-gcc-12.69-1.amzn2023.0.1.x86_64.rpm      17 MB/s | 974 kB   00:00
(3/14): gc-8.0.4-5.amzn2023.0.2.x86_64.rpm                     2.3 MB/s | 105 kB   00:00
(4/14): gcc-plugin-annobin-11.5.0-5.amzn2023.0.5.x86_64.rpm     1.2 MB/s | 38 kB   00:00
(5/14): glibc-devel-2.34-231.amzn2023.0.1.x86_64.rpm          1.4 MB/s | 38 kB   00:00
(6/14): cpp-11.5.0-5.amzn2023.0.5.x86_64.rpm                  48 MB/s | 11 MB   00:00
(7/14): glibc-headers-x86-2.34-231.amzn2023.0.1.noarch.rpm    4.0 MB/s | 444 kB   00:00
(8/14): guile22-2.2.7-2.amzn2023.0.3.x86_64.rpm              57 MB/s | 6.4 MB   00:00
(9/14): libmpc-1.2.1-2.amzn2023.0.2.x86_64.rpm                2.8 MB/s | 62 kB   00:00
(10/14): libtool-ltdl-2.4.7-1.amzn2023.0.3.x86_64.rpm         1.7 MB/s | 38 kB   00:00
(11/14): kernel6.12-headers-6.12.55-74.119.amzn2023.x86_64.rpm 12 MB/s | 1.5 MB   00:00
(12/14): libxcrypt-devel-4.4.33-7.amzn2023.x86_64.rpm        1.5 MB/s | 32 kB   00:00
(13/14): make-4.3-5.amzn2023.0.2.x86_64.rpm                  13 MB/s | 534 kB   00:00
(14/14): gcc-11.5.0-5.amzn2023.0.5.x86_64.rpm                44 MB/s | 36 MB   00:00
=====
Total                                         63 MB/s | 57 MB   00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
```

10) Acessando nano:



11) Criando arquivo white out:



12) Testando e executando a compilação:

```
[ec2-user@ip-172-31-19-125 ~]$ ls  
teste.c  
[ec2-user@ip-172-31-19-125 ~]$ gcc teste.c -o teste  
[ec2-user@ip-172-31-19-125 ~]$ chmod ./teste  
chmod: missing operand after './teste'  
Try 'chmod --help' for more information.  
[ec2-user@ip-172-31-19-125 ~]$ chmod 777 ./teste  
[ec2-user@ip-172-31-19-125 ~]$ ./teste  
  
Hello world!  
[ec2-user@ip-172-31-19-125 ~]$ |
```

13) Desligando a máquina:

```
[ec2-user@ip-172-31-19-125 ~]$ sudo shutdown -h now  
  
Broadcast message from root@localhost on pts/1 (Tue 2025-11-18 00:49:37 UTC):  
  
The system will power off now!  
  
Connection to ec2-54-164-181-181.compute-1.amazonaws.com closed by remote host.  
Connection to ec2-54-164-181-181.compute-1.amazonaws.com closed.  
  
C:\Users\tiago\Downloads>|
```

14) Terminando o Lab:

```
End Lab  
  
Region: us-east-1  
Lab ID: arn:aws:cloudformation:us-east-1:827177776496:stack/c183209a4717025112032108t1w827177776496/e5a099b0-c40a-11f0-b509-0afff216bc71  
Creation Time: 2025-11-17T15:12:33-0800  
You may close this message box now. Lab resources are terminating ...
```