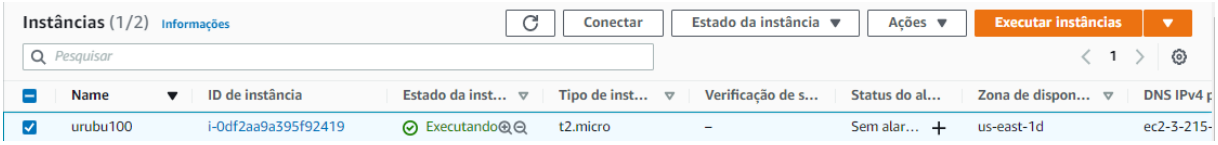
Lucas Ribeiro de Lacerda

01212151

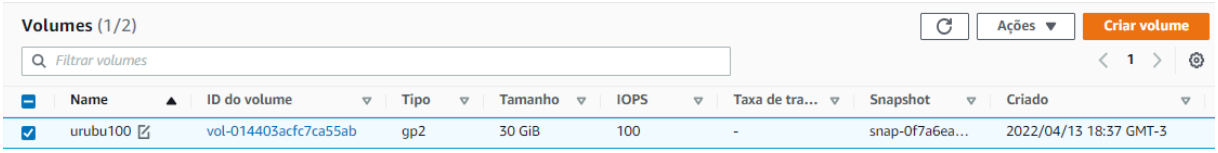
Criando EC2 na AWS

EC2



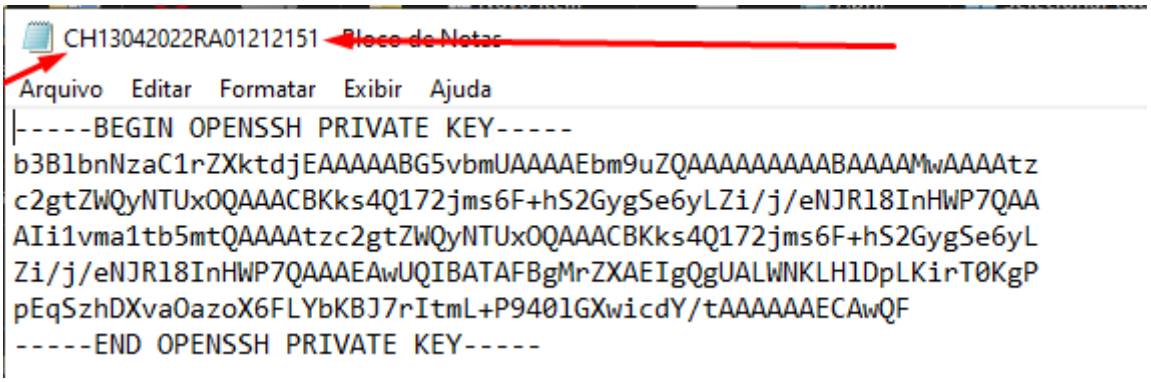
A instância está sendo executada

Volume



O volume está em uso, pois esse é o volume que está associado a instância

Chave SSH



SSH significa Secure Shell, é um protocolo de rede que permite os usuários acessar e gerenciar de forma remota o servidor pela internet.

Me conectando via SSH

```
Lucas@Lucas-Pc MINGW64 ~/Desktop/AC2-SO
$ chmod 400 CH13042022RA01212151.pem

Lucas@Lucas-Pc MINGW64 ~/Desktop/AC2-SO
$ ssh -i "CH13042022RA01212151.pem" ubuntu@ec2-3-215-174-81.compute-1.amazonaws.
com
The authenticity of host 'ec2-3-215-174-81.compute-1.amazonaws.com (3.215.174.81
)' can't be established.
ED25519 key fingerprint is SHA256:J9JAcrRtU6N6ODyIVRdNxiHGtoE/F4BjT1OmrDb3S08.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-3-215-174-81.compute-1.amazonaws.com' (ED25519)
to the list of known hosts.
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.11.0-1022-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Wed Apr 13 21:55:58 UTC 2022

  System load:  0.1               Processes:             100
  Usage of /:   4.9% of 29.02GB   Users logged in:       0
  Memory usage: 20%               IPv4 address for eth0: 172.31.1.119
  Swap usage:   0%

1 update can be applied immediately.
To see these additional updates run: apt list --upgradable


The list of available updates is more than a week old.
To check for new updates run: sudo apt update


The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-1-119:~$
```

Adicionando senha para user *root*

```
ubuntu@ip-172-31-1-119:~$ sudo passwd root
New password:
Retype new password:
passwd: password updated successfully
```

Adicionando senha para user ubuntu

```
ubuntu@ip-172-31-1-119:~$ sudo passwd ubuntu
New password:
Retype new password:
passwd: password updated successfully
```

O comando sudo passwd permite nos adicionar uma senha ao usuário da maquina

Adicionando user *ra01212151* + senha

```
root@ip-172-31-1-119:/home/ubuntu# sudo adduser ra01212151
Adding user `ra01212151' ...
Adding new group `ra01212151' (1001) ...
Adding new user `ra01212151' (1001) with group `ra01212151' .
Creating home directory `/home/ra01212151' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for ra01212151
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:

Is the information correct? [Y/n]
root@ip-172-31-1-119:/home/ubuntu#
```

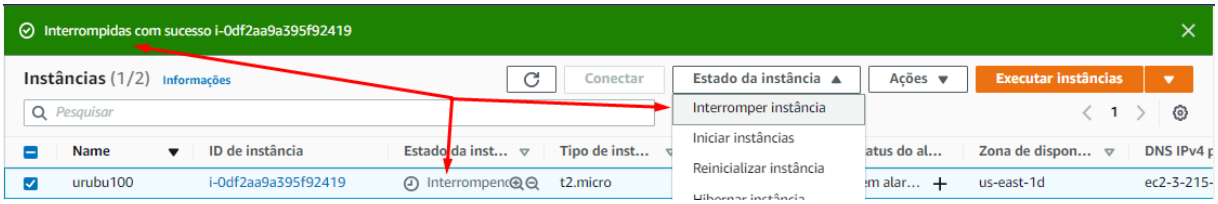
Fornecendo super poderes para o user *ra01212151*

```
root@ip-172-31-1-119:/home/ubuntu# sudo usermod -aG sudo ra01212151
```

Esse comando nos permite alterar o tipo de usuário para um super usuário.

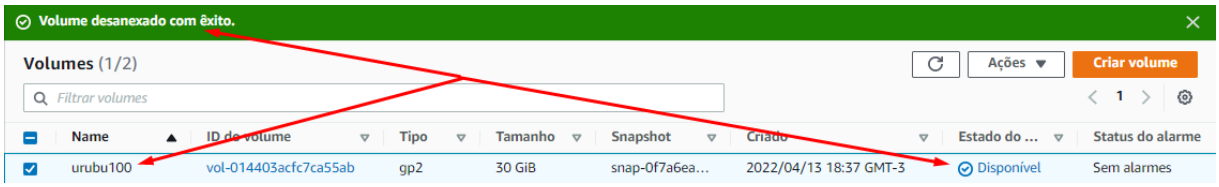
Desassociando volume

Interrompendo a instância EC2



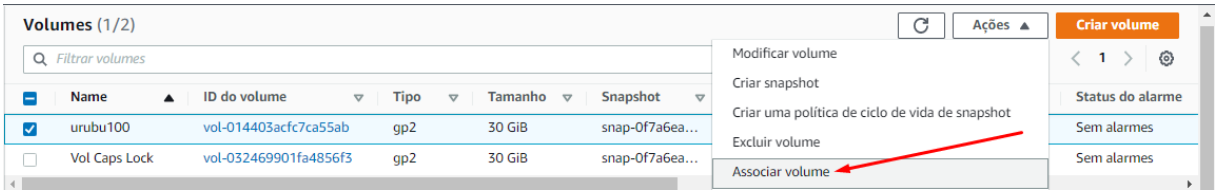
Devemos primeiro interromper a EC2

Desassociando o volume



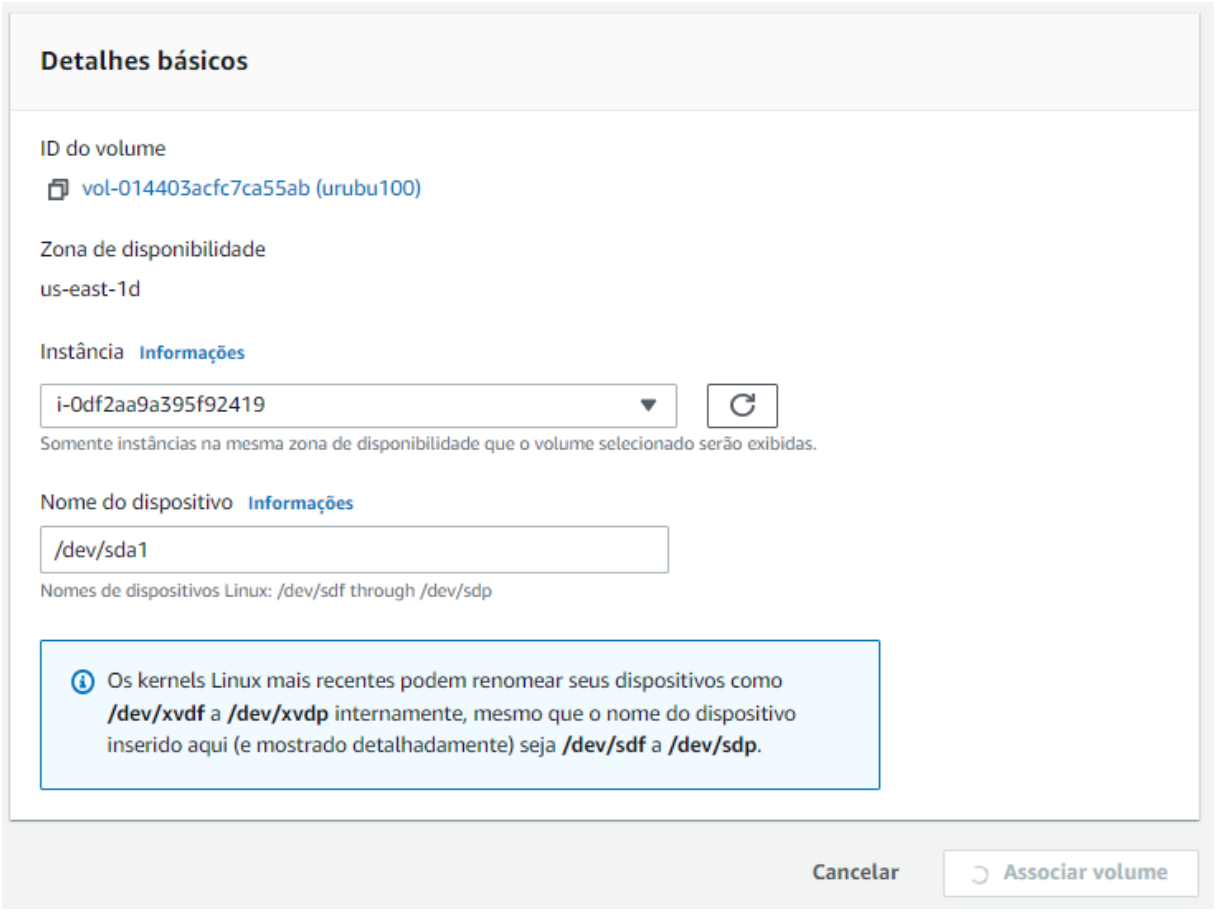
Em seguida, podemos desassociar o volume a EC2

Associando o volume



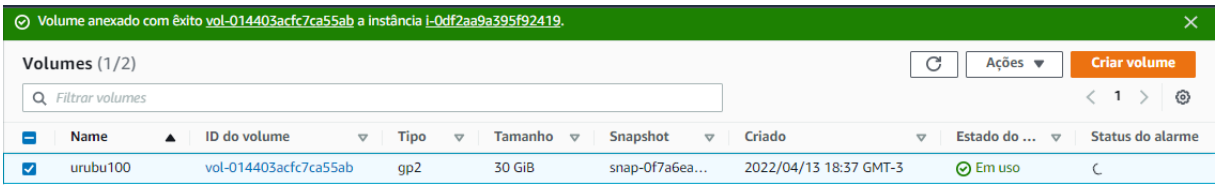
Nessa etapa, estamos revertendo o passo anterior, associando o volume a EC2

Configurando detalhes básicos



Nessa etapa, devemos dizer qual a instância, e qual a nomenclatura do dispositivo que estava associado a ela (nesse caso, nossa instância estava utilizando a /dev/sda1).

Confirmando...

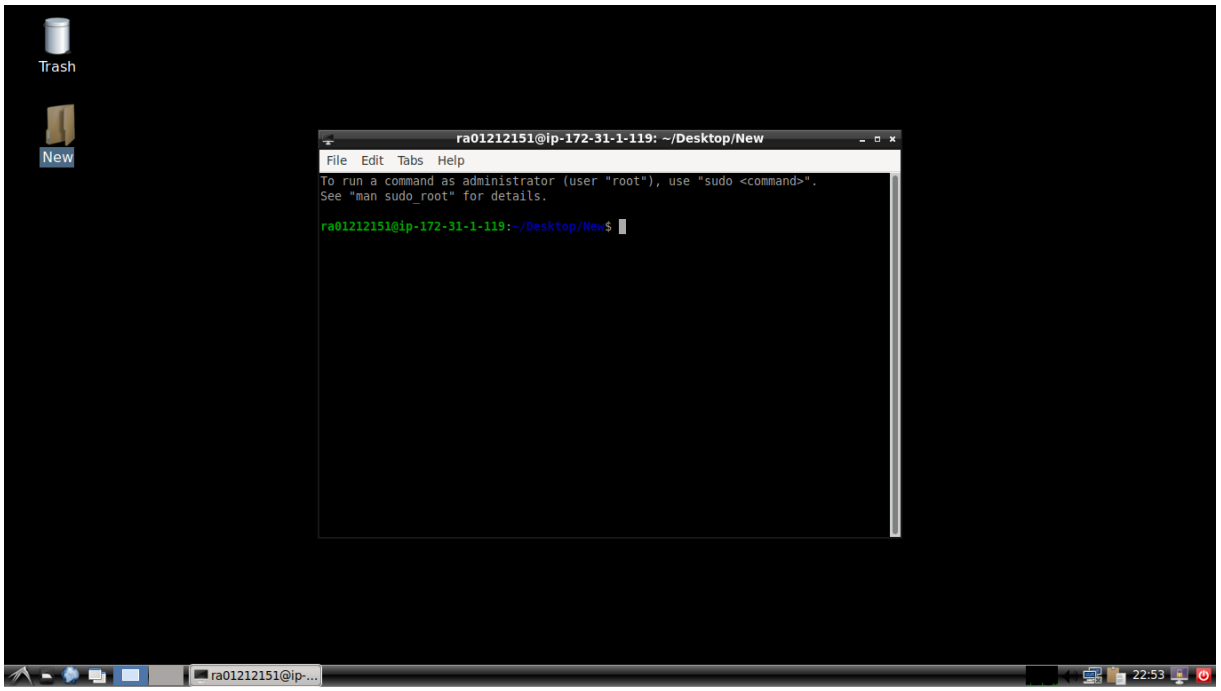


Instalando a GUI

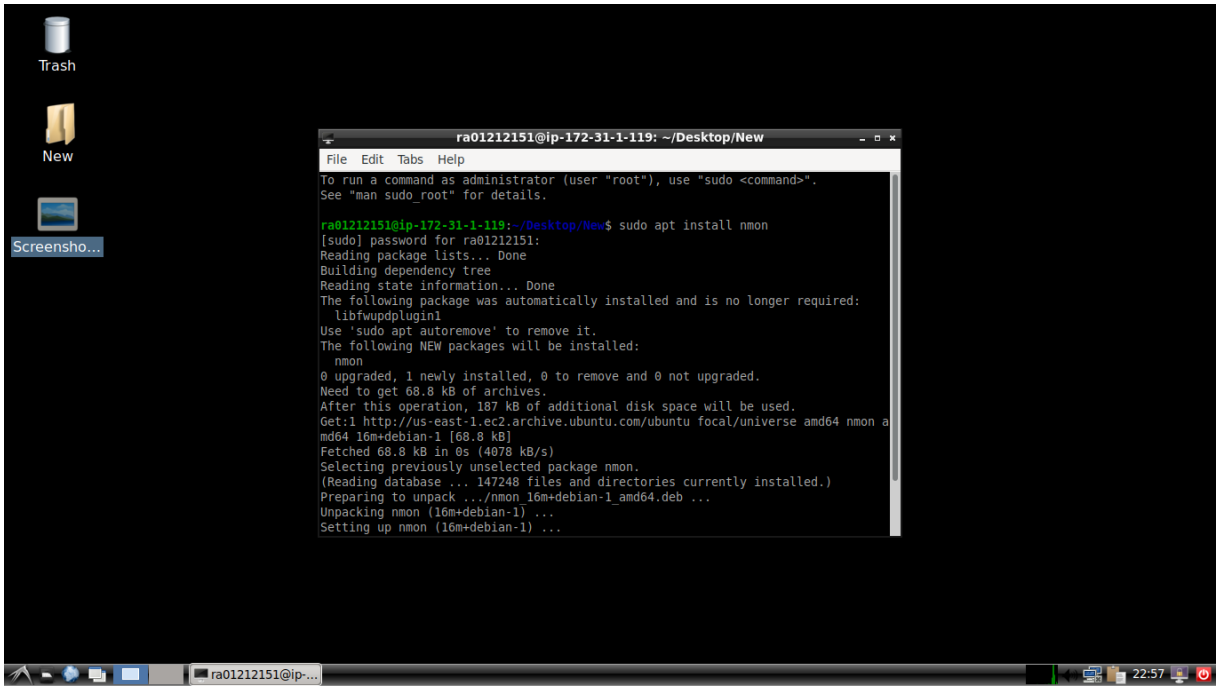
```
ubuntu@ip-172-31-1-119:~$  sudo apt update && sudo apt upgrade
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1385 kB]
Get:7 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [240 kB]
Get:8 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [10.0 kB]
Get:9 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [859 kB]
Get:10 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [122 kB]
Get:11 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 c-n-f Metadata [532 B
]
Get:12 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [698 kB]
Get:13 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [124 kB]
Get:14 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [14.3 kB
]
Get:15 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [20.7 kB]
Get:16 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5196 B]
Get:17 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [500 B
]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265
```

```
ubuntu@ip-172-31-1-119:~$ sudo apt-get install xrdp lxde-core lxde tigervnc-standalone-server -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
lxde is already the newest version (10).
lxde-core is already the newest version (10).
tigervnc-standalone-server is already the newest version (1.10.1+dfsg-3).
xrdp is already the newest version (0.9.12-1).
The following package was automatically installed and is no longer required:
  libfwupdplugin1
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

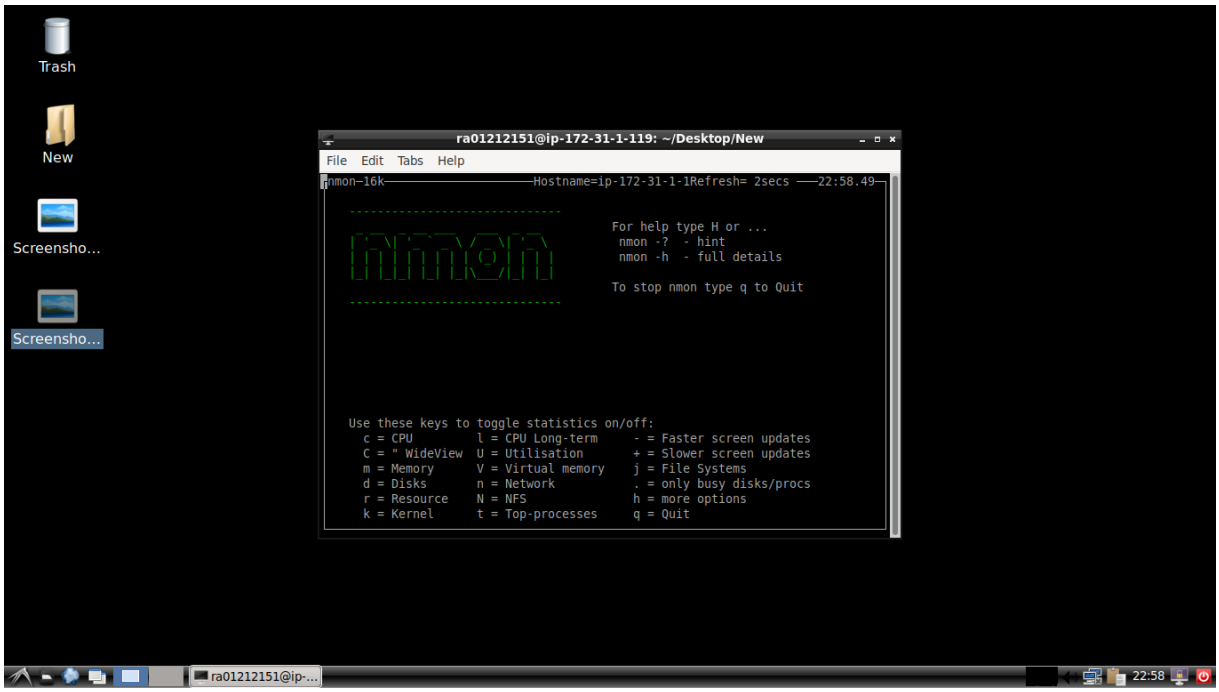
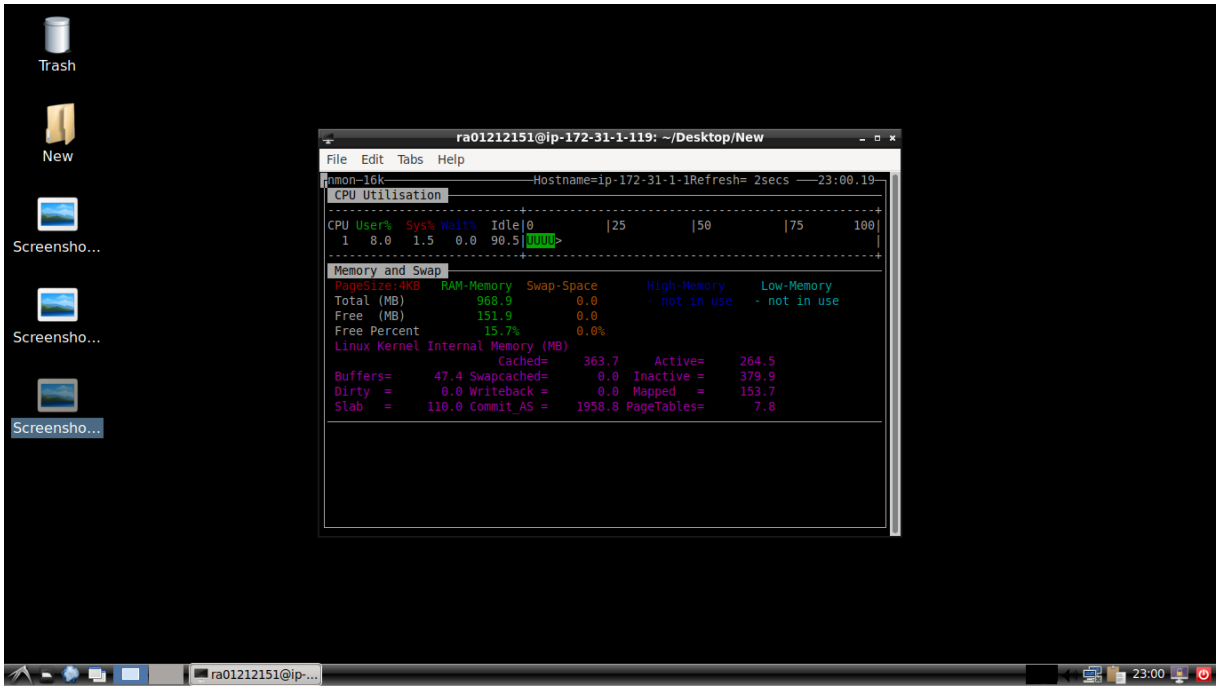
Interface Gráfica



Instalando o NMON



Rodando NMON



Capturando dados