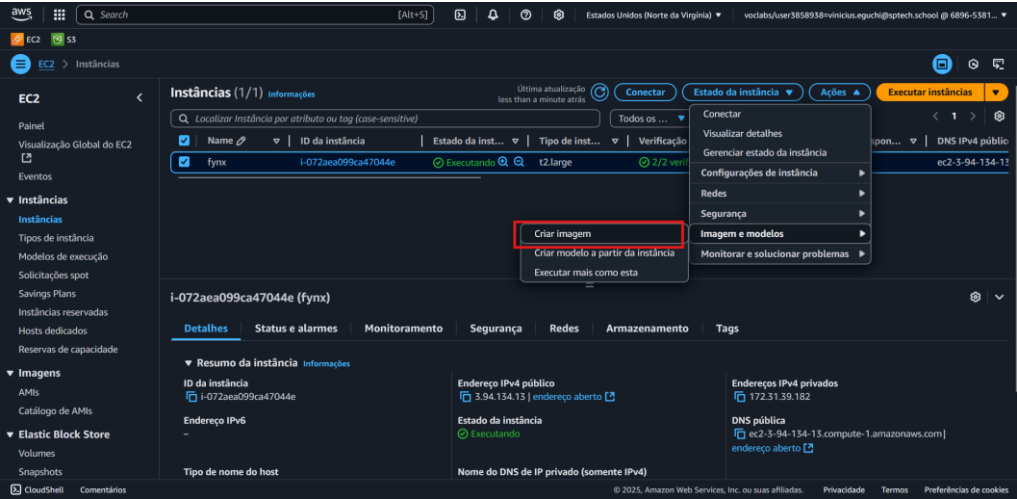


Lab AMI

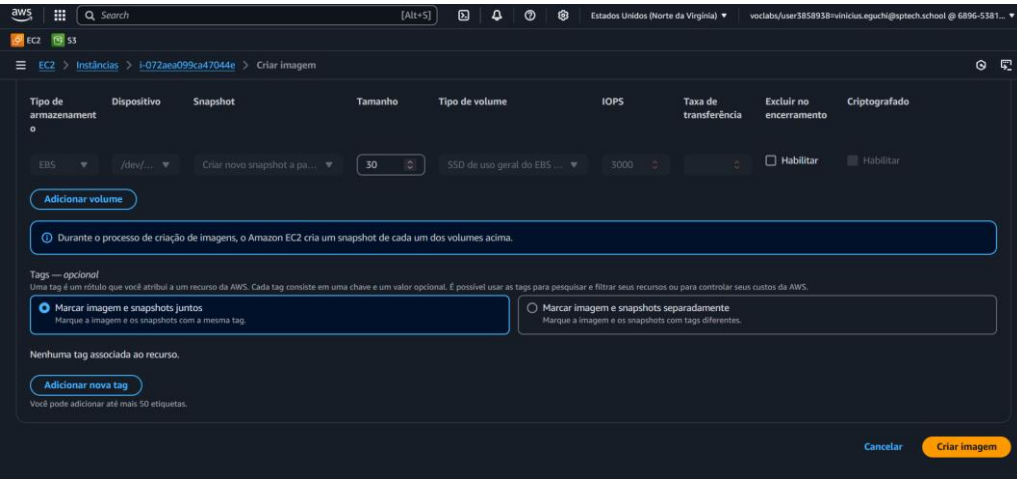
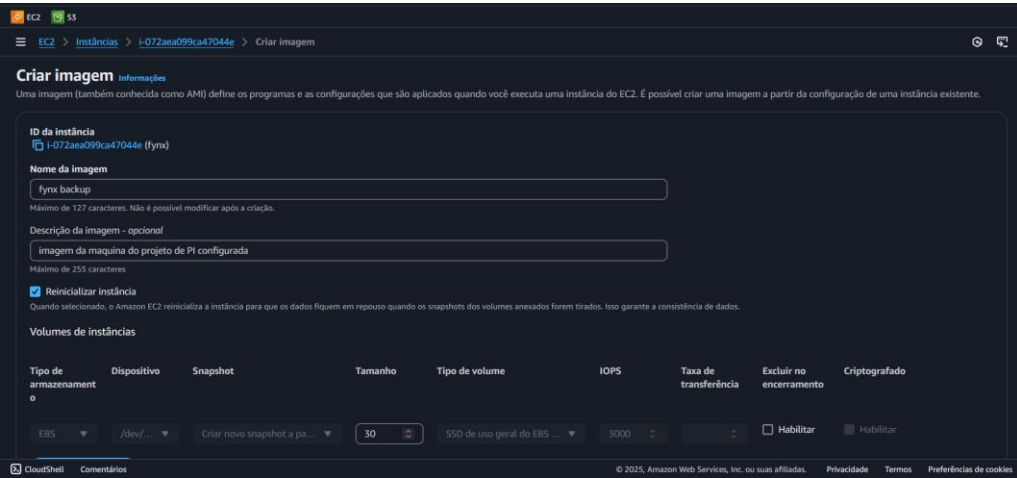
Vinicius Aoki Eguchi

RA: 01242095

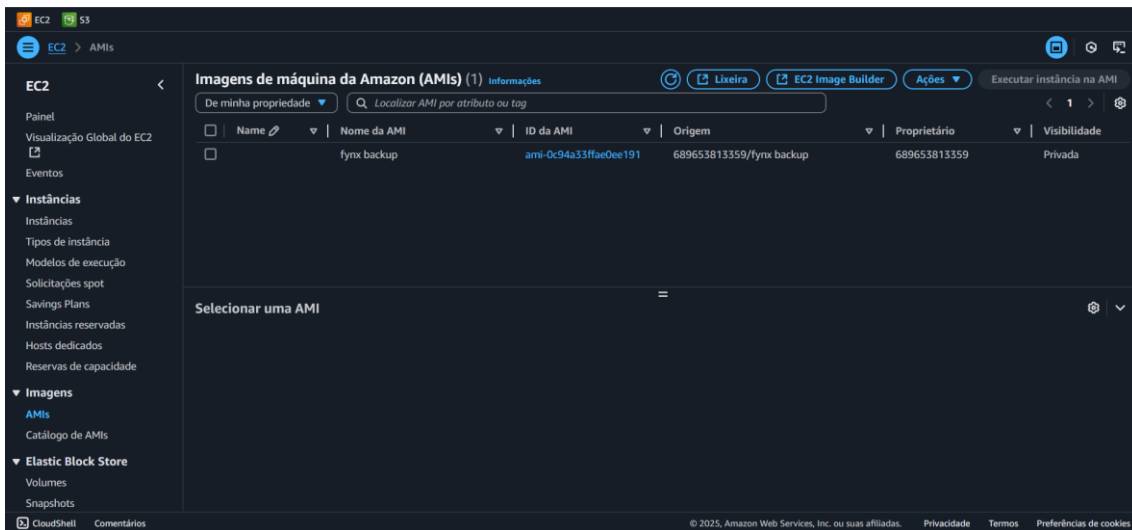
1. Criando a imagem da EC2



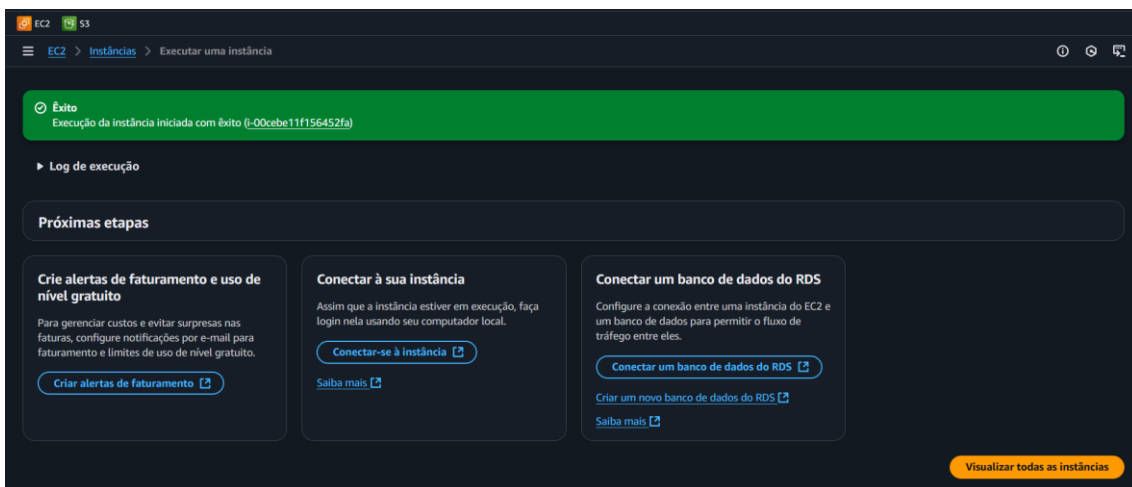
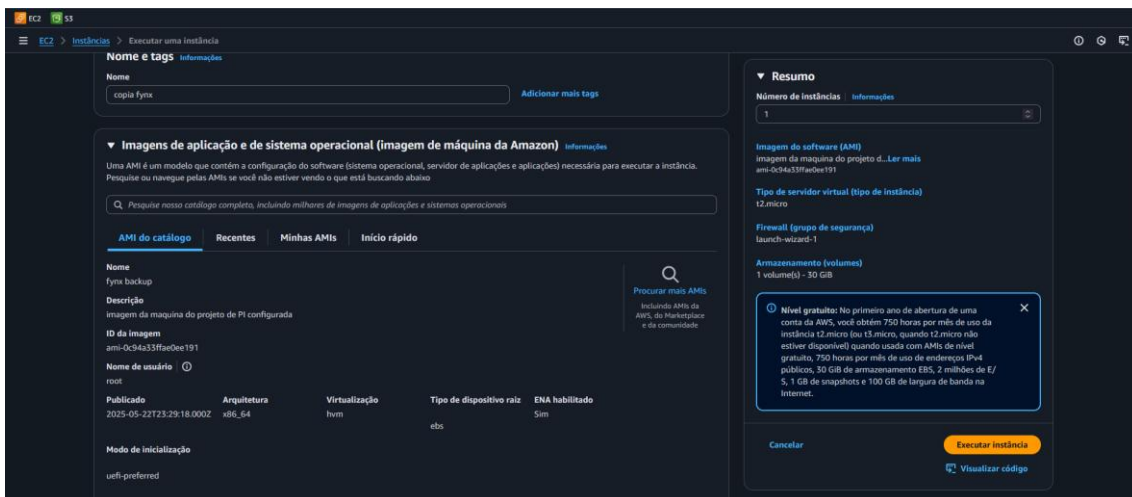
2. Fazendo a configuração da imagem



3. Verificando se a imagem foi criada



4. Criando uma EC2 baseada na imagem AMI



5. Prova da EC2 criada



6. Conectando na EC2

```
vinic@Vinicius_Aoki MINGW64 /c/SPTech/S0 nuvem/Chaves
$ ssh -i "primeira_chave.pem" ubuntu@ec2-3-87-65-171.compute-1.amazonaws.com
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1029-aws x86_64)

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

System information as of Thu May 22 23:41:02 UTC 2025

System load:  0.71          Processes:            123
Usage of /:   18.9% of 28.02GB Users logged in:        0
Memory usage: 49%          IPv4 address for enx0: 172.31.83.2
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

1 additional security update can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

Last login: Mon May 19 23:09:50 2025 from 177.92.67.154
ubuntu@ip-172-31-83-2:~$
```

7. Verificando arquivos

```
ubuntu@ip-172-31-83-2:~$ ls
db-init  docker-compose.yml  node-app  shell.sh
ubuntu@ip-172-31-83-2:~$
```

8. Rodando o shell.sh

```
ubuntu@ip-172-31-83-2:~$ sudo ./shell.sh
Iniciando configuração do ambiente...
```

9. Baixando o Java

```
java não está instalado. Deseja instalar? [s/n]: /usr/bin/java
s
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Hit:4 https://deb.nodesource.com/node_18.x nodistro InRelease
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1103 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [234 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [161 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1067 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [270 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [376 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [1164 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [242 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 components [7092 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [16.4 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 components [216 B]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 components [212 B]
Get:20 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [859 kB]
Get:21 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [157 kB]
Get:22 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.6 kB]
Get:23 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [842 kB]
Get:24 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [184 kB]
Get:25 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:26 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1131 kB]
Get:27 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [235 kB]
Get:28 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:29 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 components [212 B]
Fetched 8503 kB in 10s (878 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
1 package can be upgraded. Run 'apt list --upgradable' to see it.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openjdk-17-jre is already the newest version (17.0.15+6~us1-0ubuntu1~24.04).
0 upgraded, 0 newly installed, 0 to remove and 1 not upgraded.
Docker não está instalado. Deseja instalar? [s/n]: /usr/bin/docker
```

10. Baixando o Docker

```
Docker não está instalado. Deseja instalar? [s/n]: /usr/bin/docker
s
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 https://deb.nodesource.com/node_18.x nodistro InRelease
Hit:5 http://security.ubuntu.com/ubuntu noble-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
1 package can be upgraded. Run 'apt list --upgradable' to see it.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
docker.io is already the newest version (26.1.3-0ubuntu1~24.04.1).
0 upgraded, 0 newly installed, 0 to remove and 1 not upgraded.
Docker-compose não está instalado. Deseja instalar? [s/n]: /usr/bin/docker-compose
```

11. Baixando o Docker Compose

```
Docker-compose não está instalado. Deseja instalar? [s/n]: /usr/bin/docker-compose
s
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 https://deb.nodesource.com/node_18.x nodistro InRelease
Hit:5 http://security.ubuntu.com/ubuntu noble-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
1 package can be upgraded. Run 'apt list --upgradable' to see it.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
docker-compose is already the newest version (1.29.2-6ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 1 not upgraded.
Node.js não está instalado. Deseja instalar? [s/n]: /usr/bin/node
```

12. Baixando o Node.js

```
Node.js não está instalado. Deseja instalar? [s/n]: /usr/bin/node
s
2025-05-23 02:05:08 - Installing pre-requisites
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:5 https://deb.nodesource.com/node_18.x nodistro InRelease
Reading package lists... Done
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apt-transport-https is already the newest version (2.7.14build2).
ca-certificates is already the newest version (20240203).
curl is already the newest version (8.5.0-2ubuntu10.6).
gnupg is already the newest version (2.4.4-2ubuntu17.2).
0 upgraded, 0 newly installed, 0 to remove and 1 not upgraded.
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:5 https://deb.nodesource.com/node_18.x nodistro InRelease
Reading package lists... Done
2025-05-23 02:05:13 - Repository configured successfully.
2025-05-23 02:05:13 - To install Node.js, run: apt-get install nodejs -y
2025-05-23 02:05:13 - You can use N|solid Runtime as a node.js alternative
2025-05-23 02:05:13 - To install N|solid Runtime, run: apt-get install nsolid -y
```

13. Subindo Containers

```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nodejs is already the newest version (18.20.8-1nodesource1).
0 upgraded, 0 newly installed, 0 to remove and 1 not upgraded.
Subindo containers com docker-compose...
mysql_container is up-to-date
node_container is up-to-date
Ambiente configurado com sucesso!
ubuntu@ip-172-31-83-2:~$
```

14. Conferindo os Containers

```
ubuntu@ip-172-31-83-2:~$ sudo docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
5de6558c662b   ubuntu_node-site "docker-entrypoint.s..." 3 days ago    Up 4 minutes   0.0.0.0:3333->3333/tcp, :::3333->3333/tcp
node_container
64b453726cb3   mysql:5.7      "docker-entrypoint.s..." 3 days ago    Up 4 minutes   0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/
tcp_mysql_container
ubuntu@ip-172-31-83-2:~$
```

15. Acessando o Site do Projeto

EC2 > Instâncias

Instâncias (1/2) Informações

Name	ID da instância	Estado da inst...	Tipo de inst...	Verificação de stat	Status do alarm	Zona de dispon...	DNS IPv4 públic
<input checked="" type="checkbox"/> copia fynx	i-00cebe11f156452fa	Executando	t2.micro	2/2 verificações a	Exibir alarmes +	us-east-1a	ec2-3-84-9-36.c
<input type="checkbox"/> fynx	i-072aea099ca47044e	Interrompido	t2.large	-	Exibir alarmes +	us-east-1c	-

i-00cebe11f156452fa (copia fynx)

Detalhes Status e alarmes Monitoramento Segurança Redes Armazenamento Tags

Resumo da instância Informações

ID da instância i-00cebe11f156452fa

Endereço IPv6 -

Endereço IPv4 público copiado 3.84.9.36 | endereço aberto

Estado da instância Executando

Endereços IPv4 privados 172.31.83.2

DNS pública ec2-3-84-9-36.compute-1.amazonaws.com | endereço aberto

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