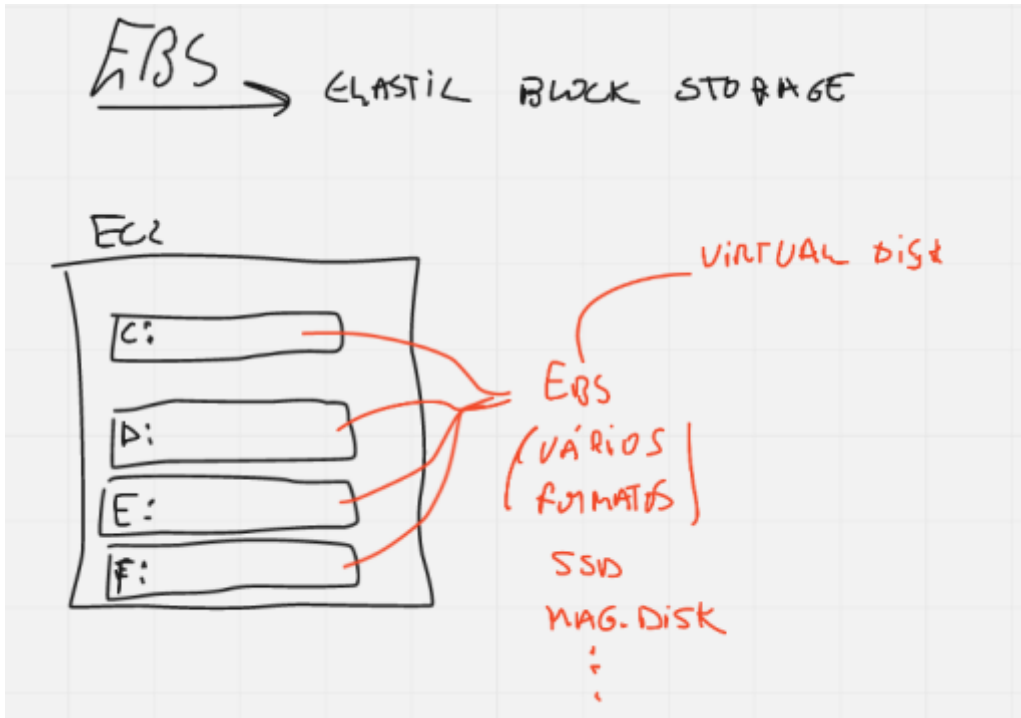


## 9 - CONFIGURANDO VOLUMES EBS EM SERVIDORES EC2



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- Como conseguimos depois de criado alterar os EBS
- Como tirar os snapshots da maquina.

### HANDS ON

#### 1 - Criar uma instancia EC2 com 3 discos

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance. [Learn more about storage options in Amazon EC2.](#)

Volume Type	Device	Snapshot	Size (GB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/sda	snap-85d9c2074a2be482	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted
EBS	/dev/sdb	Search (case-insensitive)	105	Cold HDD (sc1)	N/A	2-118	<input type="checkbox"/>	Not Encrypted
EBS	/dev/sdc	Search (case-insensitive)	105	Throughput Optimized HDD (st1)	N/A	5-104	<input type="checkbox"/>	Not Encrypted
EBS	/dev/sdd	Search (case-insensitive)	8	Magnetic (standard)	N/A	N/A	<input type="checkbox"/>	Not Encrypted

[Add New Volume](#)

Â -Peceba o seguinte, por default, o disco principal (root - C:) ele vem habilitado o delete on termination, dessa maneira, se deletarmos o SO não deletaremos o conteúdo.

#### 2 - Vamos escolher um security group existente.

#### Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**⚠ Improve your instances' security. Your security group, WindowsRDP1, is open to the world.**  
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

**⚠ Your instance configuration is not eligible for the free usage tier**  
To launch an instance that's eligible for the free usage tier, check your AMI selection, instance type, configuration options, or storage devices. [Learn more about free usage tier eligibility and usage restrictions.](#)

Â - Não estamos mais no free tier pois adicionamos mais storages!

para não ser cobrado paramos o laboratorio nesse momento.

### 3 - launch instances

### Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. [Learn more about removing existing key pairs from a public AMI.](#)

Create a new key pair

Key pair name

win2019

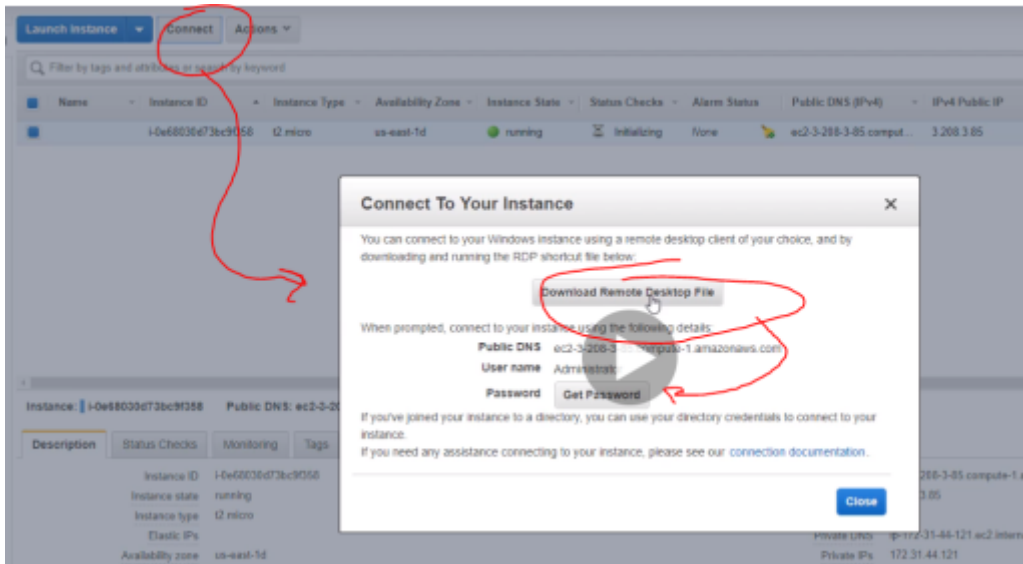
Download Key Pair

You have to download the **private key file** (\*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

Cancel Launch Instances

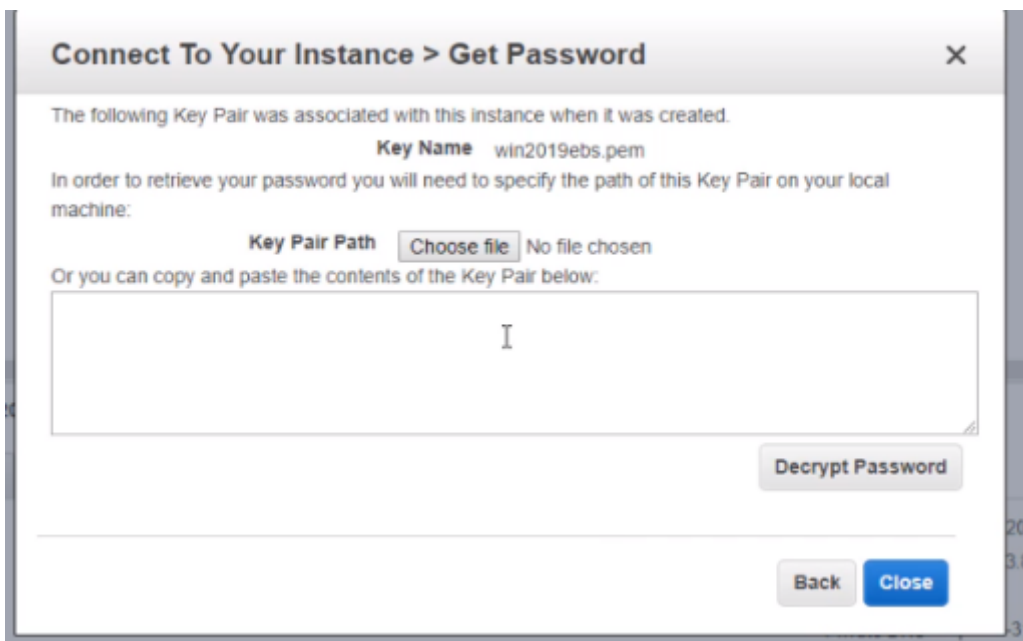
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4 - connect>download remote desktop para abrir a maquina.



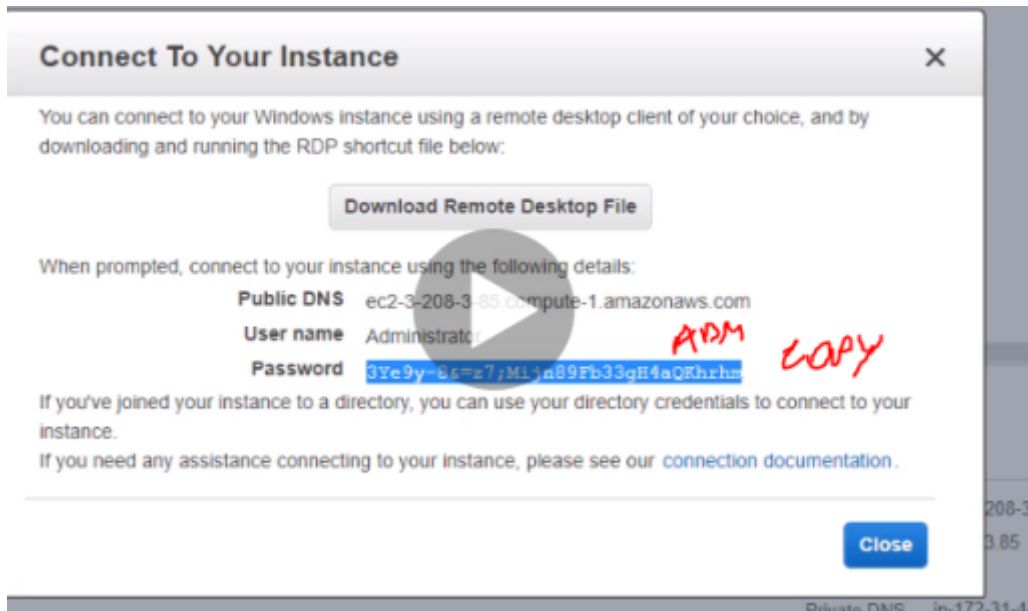
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5 - Carregamos a chave



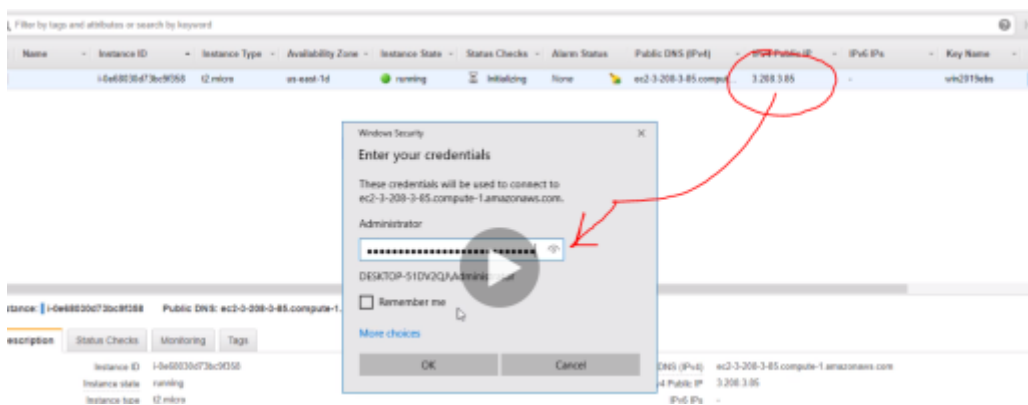
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6 - pegamos a senha de admÂ



^

7 - pega o ip e liga a maquina baixada



^

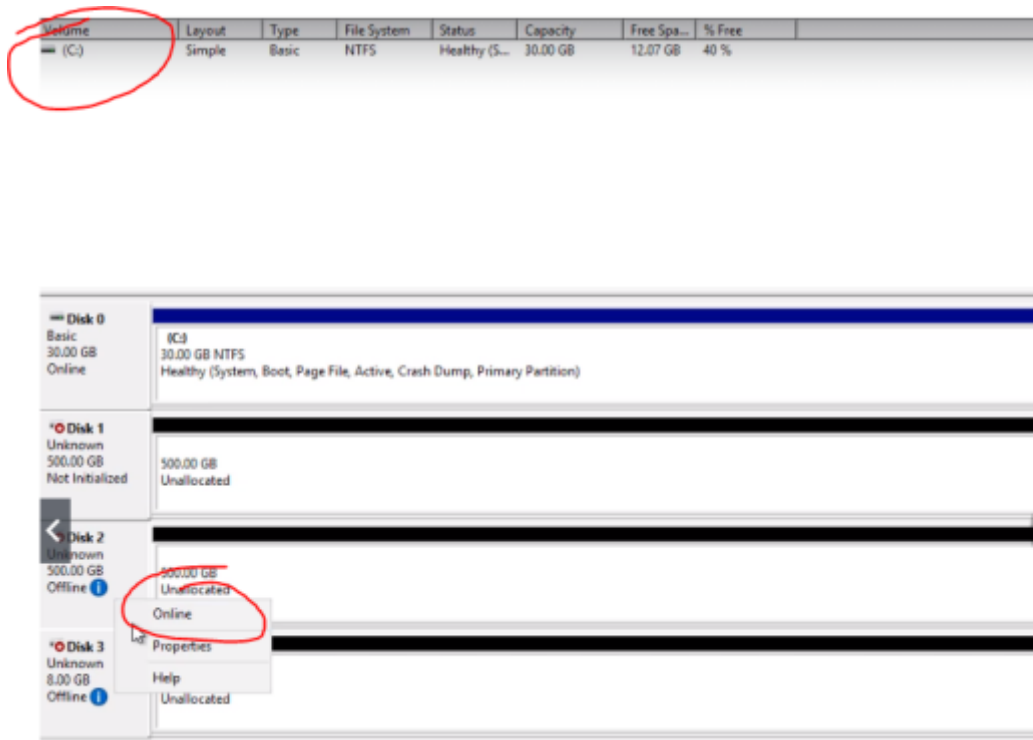
8 - agora temos a maquina conectada e carregando

9 - visualizamos as unidades da maquina no explorador de arquivo, mas so vemos a unidade (C:)

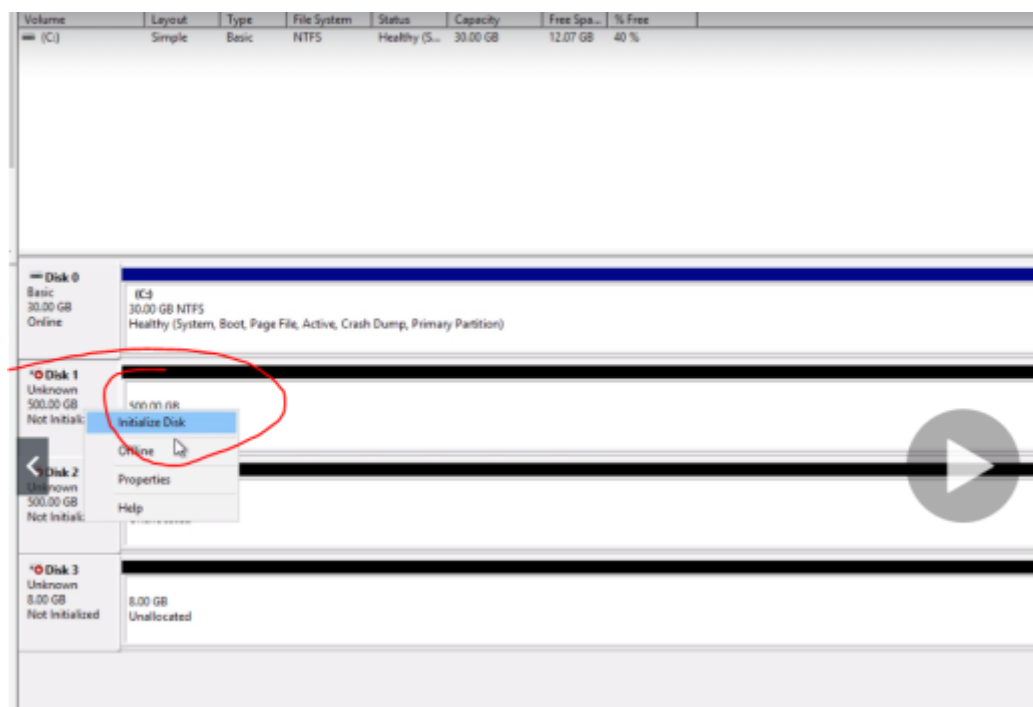
^ ^ ^ - Isso acontece pq os outros discos não foram ainda iniciados no windows, temos que ativá-los. ^ ^ ^ ^ ^ ^

^ ^ ^ - Ctrl-x (disk management - ou botão direito no start)

^ ^ ^ - Coloca os discos online

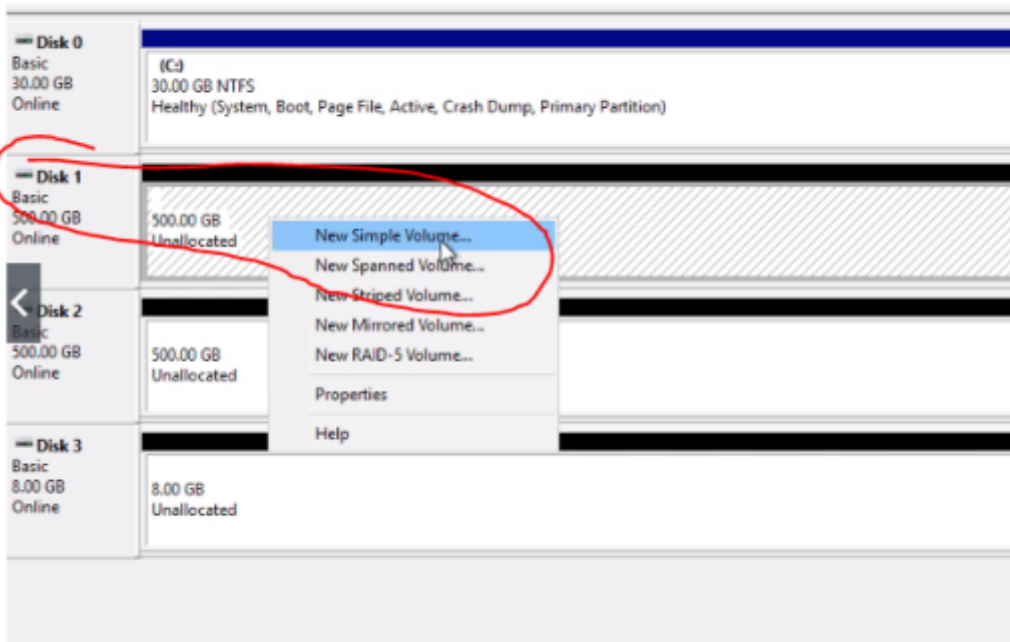


Â Â Â Â - Depois os inicializa

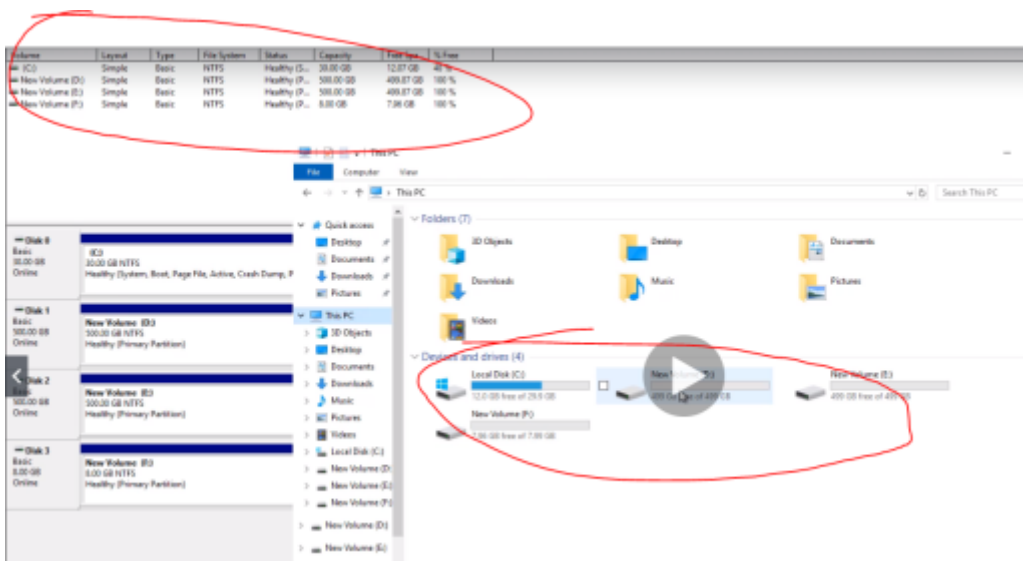


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- Observe que não estão alocados ainda, podemos colocar um volume simples por exemplo

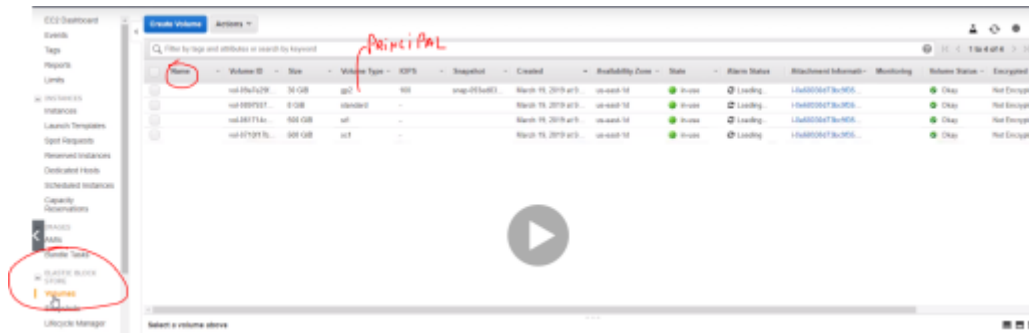


Â - Agora vemos que os discos estÃ£o aparecendo.



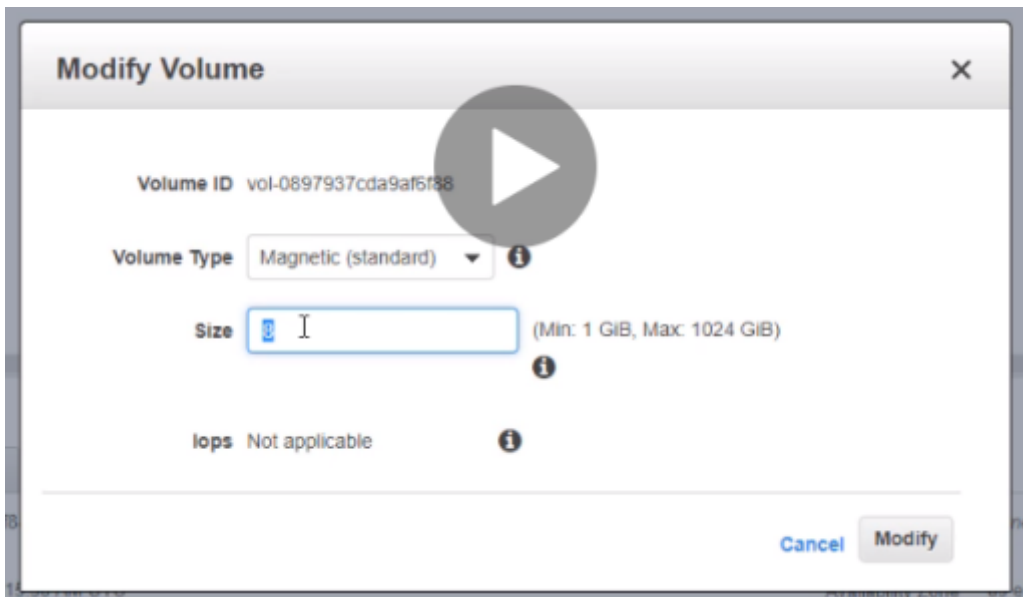
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O QUE PODEMOS FAZER COM OS VOLUMES



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- Podemos selecionar um volume, clicar em actions > modifie volume



Â - Se mudarmos o tamanho do disco temos que descer a maquina e depois subi-la novamente? NAO. a AMAZON CONSEGUE TROCAR O TAMANHO DO DISCO SEM QUE TENHAMOS QUE REINICIAR A MAQUINA.

- Podemos tbm criar um snapshot(imagem) do disco para mover ele para outro local

Create Volume

Actions ^

Filter by tags

	Name	Volume Type	IOPS	Snapshot
<input type="checkbox"/>		gp2	100	snap-093ed83...
<input checked="" type="checkbox"/>		standard	-	
<input type="checkbox"/>		st1	-	
<input type="checkbox"/>		sc1	-	

Modify Volume

Create Snapshot

Delete Volume

Attach Volume

Detach Volume

Force Detach Volume

Change Auto-Enable IO Setting

Add/Edit Tags

^