












Fábio Pereira de Lima – RM98803 / Giovanna Cardoso Satorres – RM99944 / Giullia Bianca Rocha Souza – RM552108 / Gustavo Semenuk – RM550472 / Rafael Luiz – RM98304

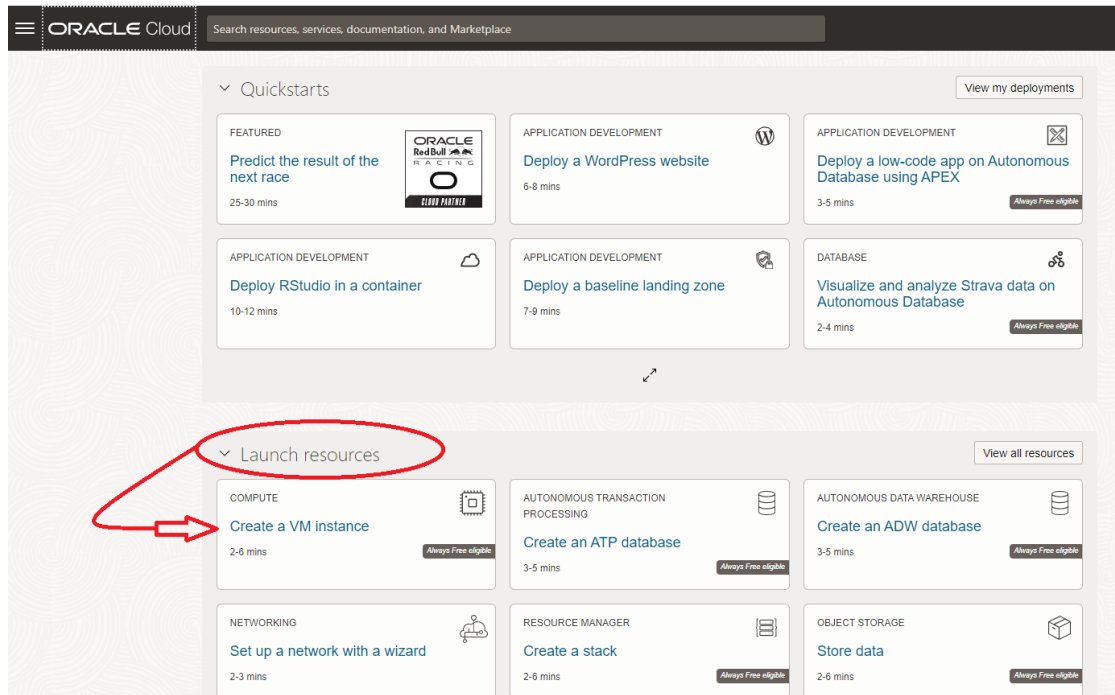
Passo – 1 => Para entrar no Oracle OCI é necessário fazer uma conta com e-mail válido e se for um residente no Brasil, selecione a opção mais próxima sendo Capital ou Vinhedo;



Tenancy Details
To see more information about your tenancy, go to the [details](#) page.

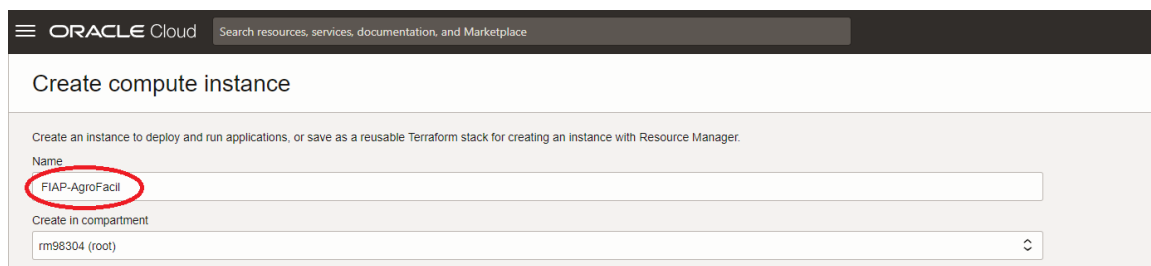
Region	
	UK South (London) - Home Region Region Identifier: uk-london-1
	Australia East (Sydney) Region Identifier: ap-sydney-1
	Australia Southeast (Melbourne) Region Identifier: ap-melbourne-1
	Brazil East (Sao Paulo) Region Identifier: sa-saopaulo-1
	Brazil South East (Vinhedo) Region Identifier: sa-vinhedo-1
	Canada Southeast (Montreal) Region Identifier: ca-montreal-1
	Canada Southeast (Toronto) Region Identifier: ca-toronto-1
	Chile Central (Santiago) Region Identifier: sa-santiago-1
	Germany Central (Frankfurt) Region Identifier: eu-frankfurt-1
	India South (Hyderabad) Region Identifier: ap-hyderabad-1

Passo 2 =>



Em *Launch resources* clique em **Create a VM instance**;

Passo 3 =>



Nessa primeira tela é possível alterar o nome, colocando o que mais fizer sentido;

Passo 4 =>

Oracle Cloud

Create compute instance

Placement

Availability domain: AD-1 Always free-eligible Capacity type: On-demand capacity

Fault domain: Let Oracle choose the best fault domain

Security

Shielded instance: Disabled

Image and shape

Image: Oracle Linux 8
Image build: 2023.08.16-0

Shape: VM.Standard.E2.1.Micro Always Free-eligible
OCPU count: 1
Memory (GB): 1
Network bandwidth (Gbps): 0.48

Networking

Virtual cloud network: -
Subnet: -
Launch options: -

Use network security groups to control traffic: No
Assign a public IPv4 address: Yes
DNS record: Yes

Vamos criar uma VM que seja sempre grátis e nunca nos dê custos, na opção *Always Free* é oferecido 1 core de CPU, 1 Gb de Memória e 480Mbps de velocidade na internet. É possível alterar a Imagem e o shape para melhor desempenho e velocidade, mas será necessário atenção no custo.

Passo 5 =>

Oracle Cloud

Create compute instance

Networking

Virtual cloud network: -
Subnet: -
Launch options: -

Use network security groups to control traffic: No
Assign a public IPv4 address: Yes
DNS record: Yes

Add SSH keys

Generate an [SSH key pair](#) to connect to the instance using a Secure Shell (SSH) connection, or upload a public key that you already have.

☒ Generate a key pair for me ☐ Upload public key files (.pub) ☐ Paste public keys ☐ No SSH keys

Download the private key so that you can connect to the instance using SSH. It will not be shown again.

[Save private key](#) [Save public key](#)

Boot volume

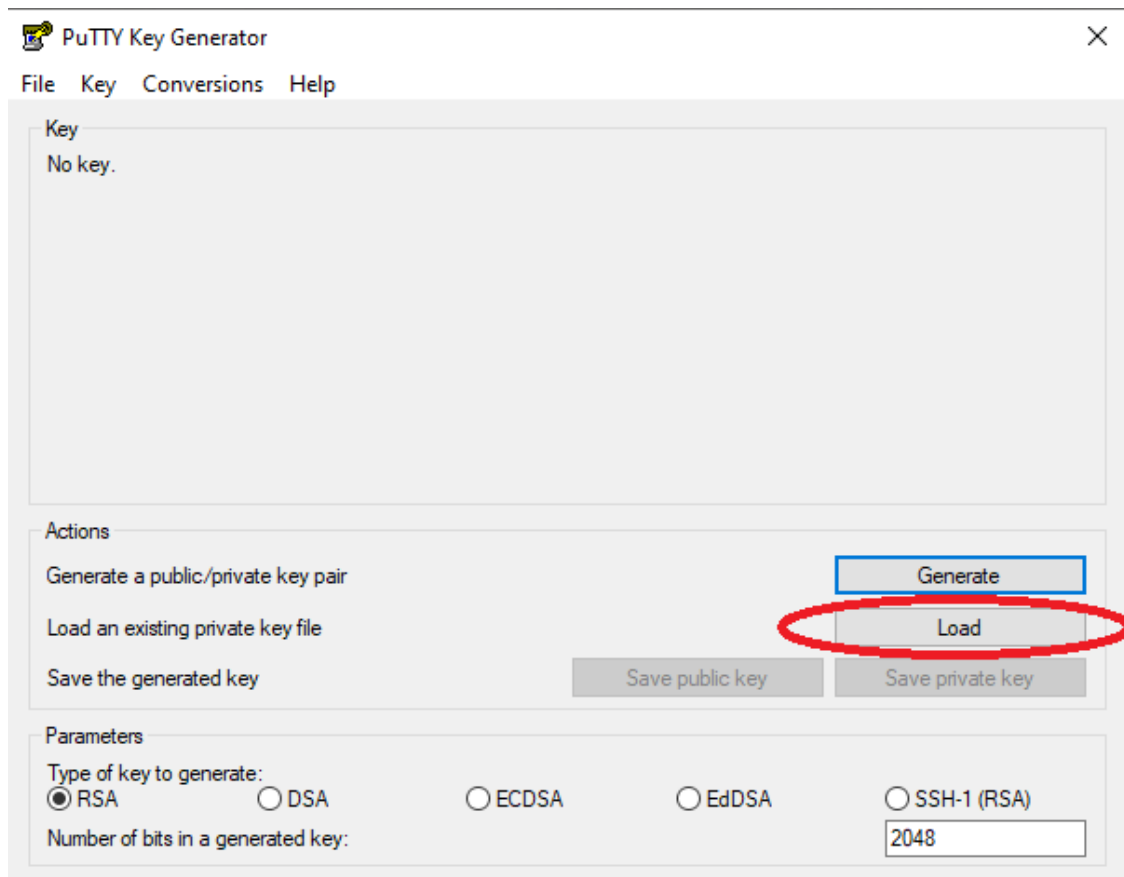
A [boot volume](#) is a detachable device that contains the image used to boot the compute instance.

☐ Specify a custom boot volume size
Volume performance varies with volume size. Default boot volume size: 46.6 GB. When you specify a custom boot volume size, service limits apply.

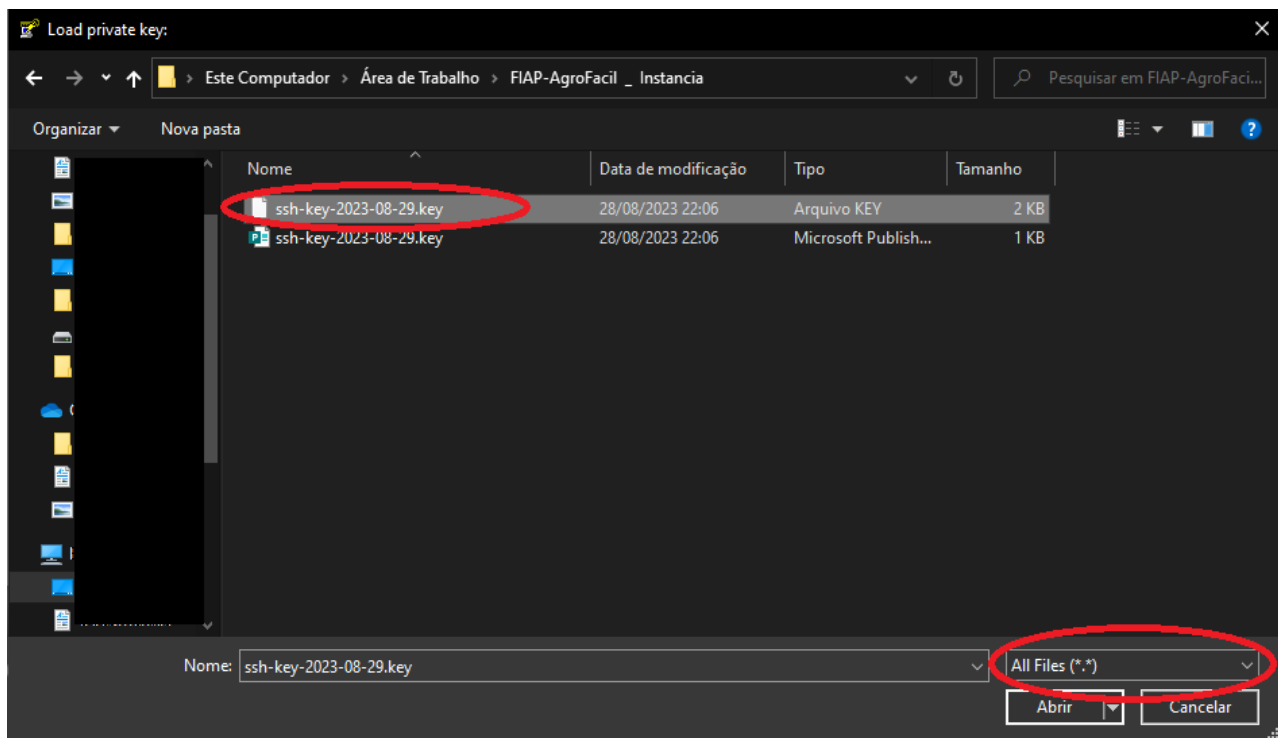
☒ Use in-transit encryption
Encrypts data in transit between the instance, the boot volume, and the block volumes.

Clicar em salvar as Keys (tanto privada como publica) e logo em seguida clicar em *create* no canto inferior esquerdo da tela;

Passo 6 =>

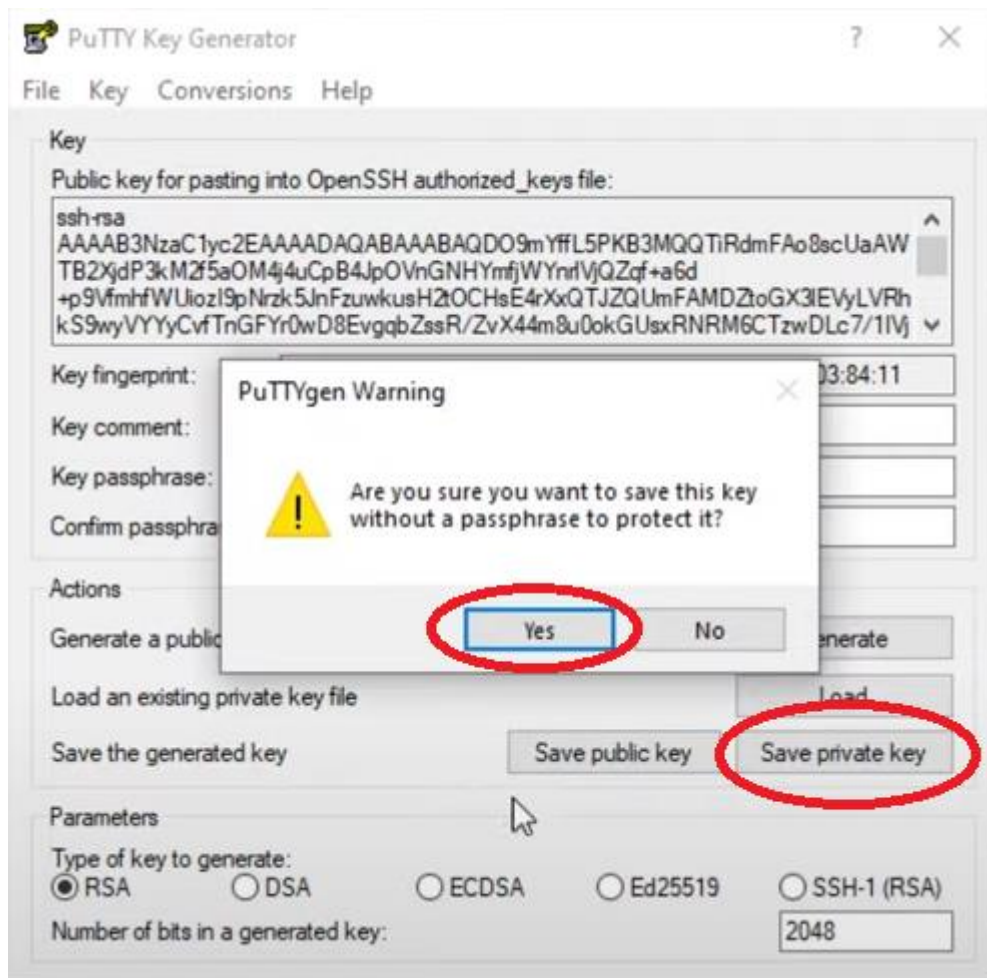


Vamos ter que gerar a chave no SSH e para isso vamos usar o PuTTY Key Generator, clicando em *Load*;



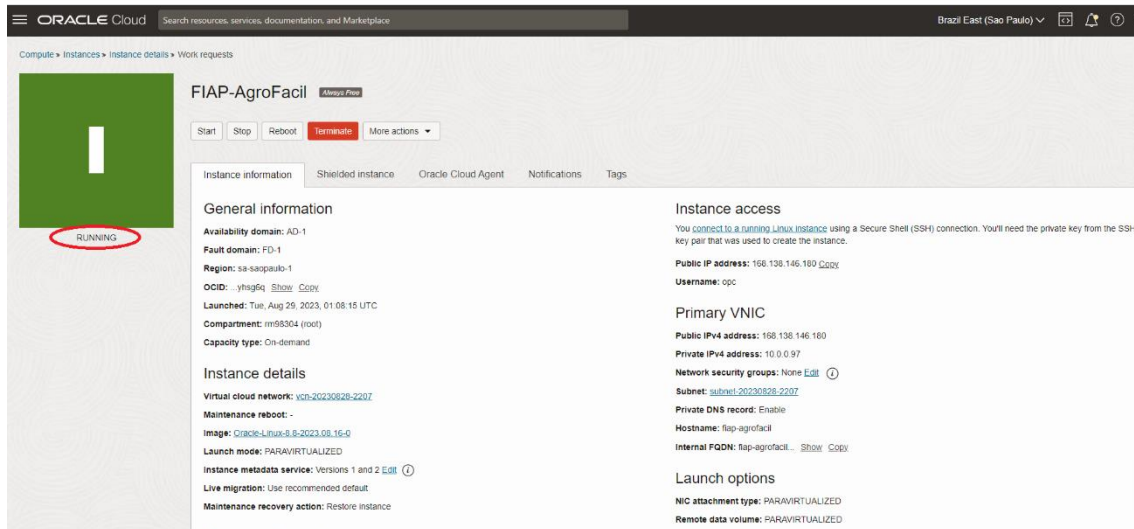
Em seguida selecionamos para *All Files (*,*)* e clicamos na primary key, ele ira gerar um campo com *successfully*;

Passo 7 =>

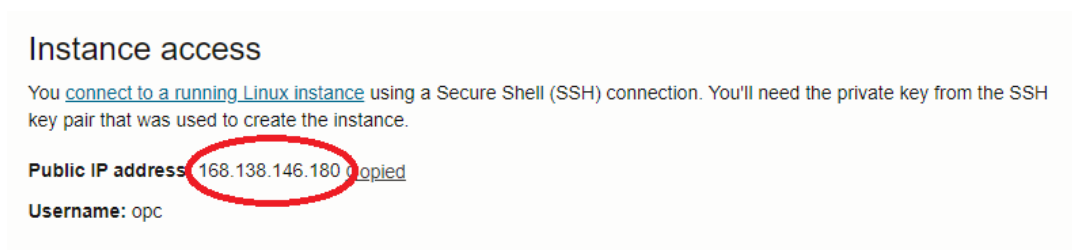


Após o passo 6, agora nós iremos salvar a nossa chave privada e após clicar irá surgir um campo dizendo que é necessária uma senha, isso vai ser o nome de usuário.ppk;

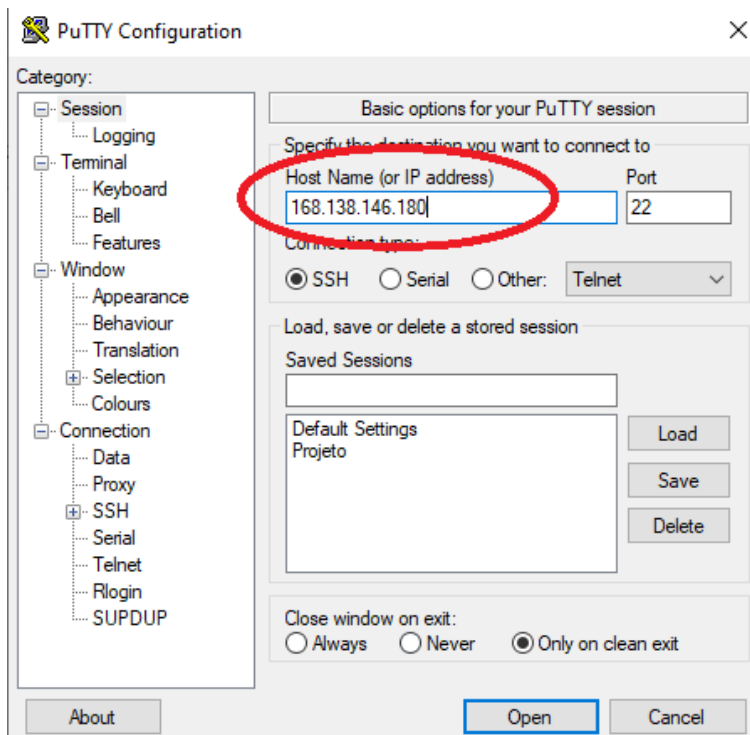
Passo 8 =>



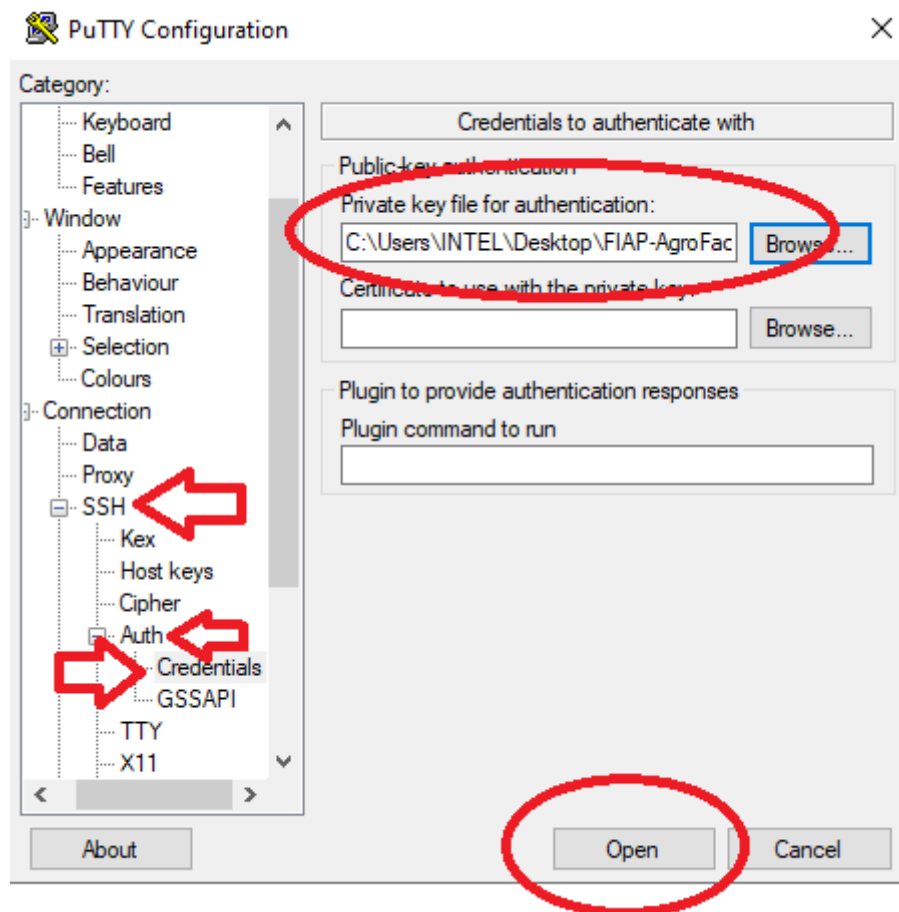
Quando estiver em *RUNNING* é possível acessar a página, e nós vamos usar o PuTTY para isso,



Copiando o *IP address* colamos ele no PuTTY

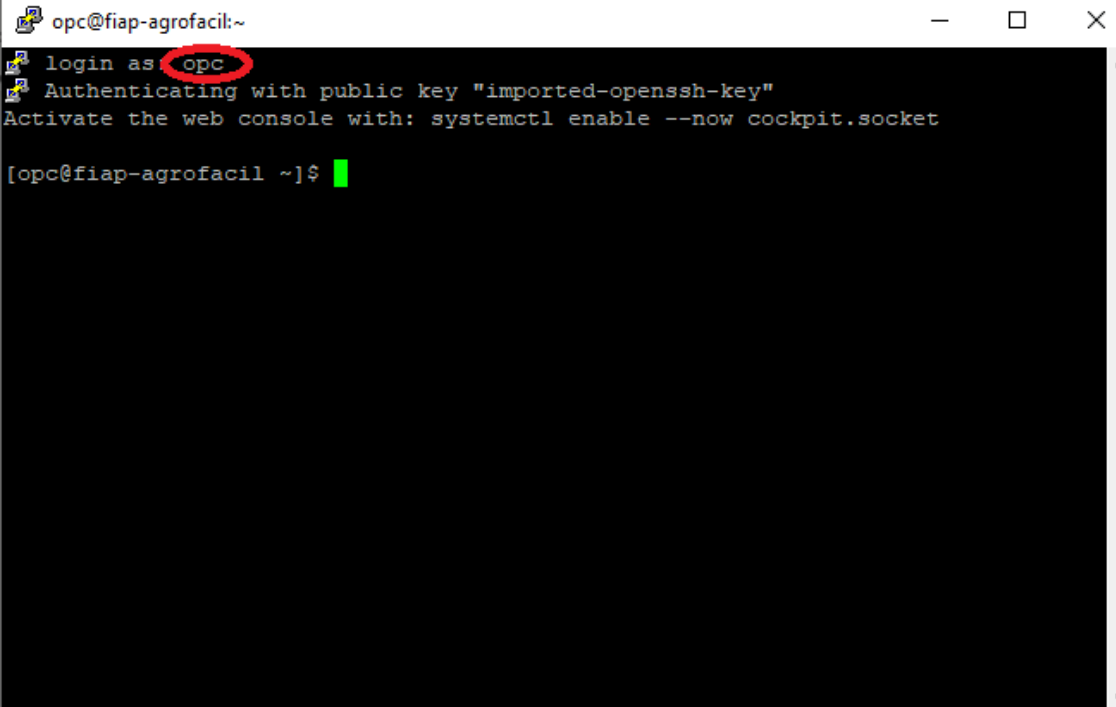


Colando o IP na área correta do PuTTY , vamos até SSH > Auth > Credentials e colocar aquele ppk que selecionamos o nome anteriormente, e clicando em *open* pra iniciar o acesso, sendo assim:



Passo 9 =>

Após clicar em *Open* dentro do PuTTY vamos para a tela que vamos trabalhar de agora em diante, mas primeiro será necessário apresentar o usuário, que deve ser respondido com 'opc', sendo assim:



```
opc@fiap-agrofacil:~  
login as opc  
Authenticating with public key "imported-openssh-key"  
Activate the web console with: systemctl enable --now cockpit.socket  
  
[opc@fiap-agrofacil ~]$
```

Passo 10 =>

Para baixar o arquivo nós vamos usar *wget* + o link de instalação do banco de dados Oracle;



```
opc@fiap-agrofacil:~$ wget https://www.dropbox.com/s/d8u0aksep7fms/oracle-se-11.2.0-1.0.x86_64.rpm.zip?dl=0  
Resolving www.dropbox.com (www.dropbox.com)... 162.125.9.18, 162.125.100.60:443... connected.  
Connecting to www.dropbox.com (www.dropbox.com)[162.125.100.60]:443... connected.  
HTTP request sent, awaiting response... 302 Found  
Location: /s/raw/d8u0aksep7fms/oracle-se-11.2.0-1.0.x86_64.rpm.zip [following]  
--2021-08-25 02:15:38-- https://www.dropbox.com/s/raw/d8u0aksep7fms/oracle-se-11.2.0-1.0.x86_64.rpm.zip  
Resolving existing connection to www.dropbox.com:443.  
HTTP request sent, awaiting response... 302 Found  
Location: https://uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com/cd/0/inize/CCq4UD0jvY6SCCv7vL2wJ0_IPt4D5TeMFF1GQAQT0ab8ha9Y8HCuWAF8FVFP1Bd5ShAg80720VcA0lUGD48y5g4D23fK3gQ4WQCTKD-rp4n51vIKY24eou2J2nE4cY810j49gPxc0B/file# [following]  
--2021-08-25 02:15:38-- https://uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com/cd/0/inize/CCq4UD0jvY6SCCv7vL2wJ0_IPt4D5TeMFF1GQAQT0ab8ha9Y8HCuWAF8FVFP1Bd5ShAg80720VcA0lUGD48y5g4D23fK3gQ4WQCTKD-rp4n51vIKY24eou2J2nE4cY810j49gPxc0B/file  
Resolving uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com (uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com)... 162.125.9.18, 162.125.100.60:443... connected.  
Connecting to uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com (uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com)[162.125.100.60]:443... connected.  
HTTP request sent, awaiting response... 302 Found  
Location: /s/raw/uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com/cd/0/inize/CCq4UD0jvY6SCCv7vL2wJ0_IPt4D5TeMFF1GQAQT0ab8ha9Y8HCuWAF8FVFP1Bd5ShAg80720VcA0lUGD48y5g4D23fK3gQ4WQCTKD-rp4n51vIKY24eou2J2nE4cY810j49gPxc0B/file# [following]  
--2021-08-25 02:15:39-- https://uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com/cd/0/inize/CCq4UD0jvY6SCCv7vL2wJ0_IPt4D5TeMFF1GQAQT0ab8ha9Y8HCuWAF8FVFP1Bd5ShAg80720VcA0lUGD48y5g4D23fK3gQ4WQCTKD-rp4n51vIKY24eou2J2nE4cY810j49gPxc0B/file# [following]  
Resolving uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com (uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com)... 162.125.9.18, 162.125.100.60:443... connected.  
Connecting to uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com (uc3baef1e76dcf038feaf36341.d1.dropboxusercontent.com)[162.125.100.60]:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 115681493 (308M) [application/x-zip-compressed]  
Saving to: 'oracle-se-11.2.0-1.0.x86_64.rpm.zip?dl=0'  
  
oracle-se-11.2.0-1.0.x86_64.rpm.zip?dl=0 32%[=====] 90.20K 24.0MB/s eta 15s
```

wget https://www.dropbox.com/s/d8uc0ak5epfyfm5/oracle-xe-11.2.0-1.0.x86_64.rpm.zip?dl=0

Passo 11 =>

O arquivo está zipado, então vamos precisar usar o comando unzip;

```
[opc@fiap-agrofacil ~]$ unzip -q oracle-xe-11.2.0-1.0.x86_64.rpm.zip?dl=0
D[opc@fiap-agrofacil ~]$ ls
Disk1 'oracle-xe-11.2.0-1.0.x86_64.rpm.zip?dl=0'
[opc@fiap-agrofacil ~]$
```

`unzip -q oracle-xe-11.2.0-1.0.x86_64.rpm.zip?dl=0`

Passo 12 =>

Agora vamos até Disk1 usando o comando `cd Disk1` e vamos instalar o programa com:

`sudo rpm -ivh oracle-xe-11.2.0-1.0.x86_64.rpm`

```
[opc@instance20230829230512 ~]$ unzip -q oracle-xe-11.2.0-1.0.x86_64.rpm.zip?dl=0
[opc@instance20230829230512 ~]$ ls
Disk1 'oracle-xe-11.2.0-1.0.x86_64.rpm.zip?dl=0'
[opc@instance20230829230512 ~]$ cd Disk1
[opc@instance20230829230512 Disk1]$ ls
oracle-xe-11.2.0-1.0.x86_64.rpm response_file
[opc@instance20230829230512 Disk1]$ sudo rpm -ivh oracle-xe-11.2.0-1.0.x86_64.rpm
Verifying...
Preparing...
/var/tmp/rpm-tmp.Kz4545: line 257: [: 18446744073692774399: integer expression expected
/var/tmp/rpm-tmp.Kz4545: line 271: [: 18446744073692774399: integer expression expected
Updating / installing...
 1:oracle-xe-11.2.0-1.0
Executing post-install steps...
You must run '/etc/init.d/oracle-xe configure' as the root user to configure the database.
[opc@instance20230829230512 Disk1]$
```

Passo 13 =>

Então agora é necessária uma configuração para o ambiente, e para isso vamos usar:

`sudo /etc/init.d/oracle-xe configure`

```
[opc@instance20230829230512 Disk1] $ sudo /etc/init.d/oracle-xe configure
Oracle Database 11g Express Edition Configuration
-----
This will configure on-boot properties of Oracle Database 11g Express
Edition. The following questions will determine whether the database should
be starting upon system boot, the ports it will use, and the passwords that
will be used for database accounts. Press <Enter> to accept the defaults.
Ctrl-C will abort.
```

E em seguida:

```
Specify the HTTP port that will be used for Oracle Application Express [8080]:
Specify a port that will be used for the database listener [1521]:
Specify a password to be used for database accounts. Note that the same
password will be used for SYS and SYSTEM. Oracle recommends the use of
different passwords for each database account. This can be done after
initial configuration:
Confirm the password:
Do you want Oracle Database 11g Express Edition to be started on boot (y/n) [y]:y

Starting Oracle Net Listener...Done
Configuring database...grep: /u01/app/oracle/product/11.2.0/xe/config/log/*.log: No such file or directory
grep: /u01/app/oracle/product/11.2.0/xe/config/log/*.log: No such file or directory
Done
/bin/chmod: cannot access '/u01/app/oracle/diag': No such file or directory
Starting Oracle Database 11g Express Edition instance...Done
Installation completed successfully.
[opc@instance20230829230512 Disk1]$
```

Tecla *ENTER* duas vezes e em seguida informe uma senha de sua preferência, e encerre a operação com Y, como apresentado na captura de tela;

Passo 14 =>

Continuando as configurações de ambiente:

```
[opc@instance20230829230512 Disk1]$ cd /u01/app/oracle/product/11.2.0/xe/bin  
[opc@instance20230829230512 bin]$ . ./oracle_env.sh  
[opc@instance20230829230512 bin]$ nano ~/.bashrc  
[opc@instance20230829230512 bin]$
```

Foram necessários os seguintes comandos:

`cd /u01/app/oracle/product/11.2.0/xe/bin`

`. ./oracle_env.sh`

`nano ~/.bashrc`

`. /u01/app/oracle/product/11.2.0/xe/bin/oracle_env.sh`

Passo 15 =>

CTRL + X > Y > ENTER

PASSO 16 =>

Carregando a configuração com:

`nano ~/.bashrc`

```
[opc@instance20230829230512 bin]$ source ~/.bashrc  
[opc@instance20230829230512 bin]$ nano ~/.bashrc  
[opc@instance20230829230512 bin]$
```

Teste usando:

`sqlplus /nolog`

e em seguida, use:

`exit`

