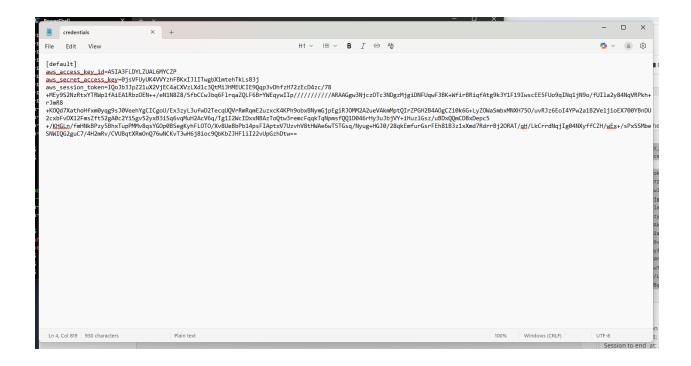
Report - How to use AWS-CLI to create an EC2 instance?

Author: Sergio Bejarano

First, locate the hidden aws folder and edit the respective files to define the correct credentials and configuration.





Step 1: Create a Key Pair for EC2

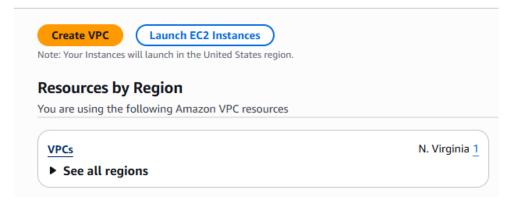
Make the private key readable only by myself:

```
MINGW64:/c/Users/sergio.bejarano-r.LABINFO/Documents/sergio
                                                                       Х
sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio
MyKeyPair.pem
sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio
$ chmod 400 MyKeyPair.pem
sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio
ls: cannot access '/la': No such file or directory
sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio
$ 1s -1a
total 8
drwxr-xr-x 1 sergio.bejarano-r 1049089
                                         0 Sep 17 09:12 ./
drwxr-xr-x 1 sergio.bejarano-r 1049089
                                         0 Sep 17 09:00 ../
-r--r-- 1 sergio.bejarano-r 1049089 1706 Sep 17 09:12 MyKeyPair.pem
sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio
                             MuKeuPair nem
```

Check the fingerprint:

Step 2: Create a Security Group

First, check for VPCs configured in the account.



```
sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio

$ aws ec2 create-security-group --group-name my-sg-cli --description "My security group" --vpc-id vpc-050895a691e406167

{
    "GroupId": "sg-0af0eb3614538d6f6"
}

sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio
$
```

List security groups:

Add Ingress Rules

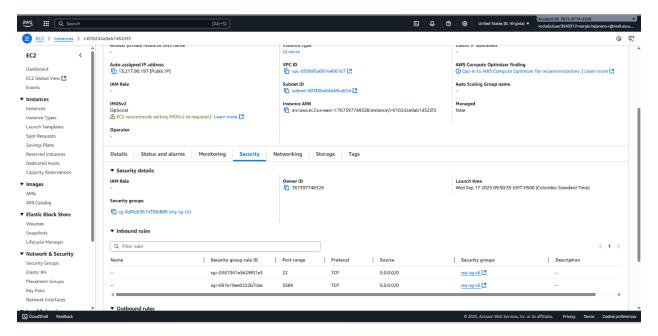
Check your public IP address (optional for restricted access):

```
sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio
$ curl https://checkip.amazonaws.com
45.239.88.82
```

Allow RDP (port 3389):

Allow SSH (port 22):

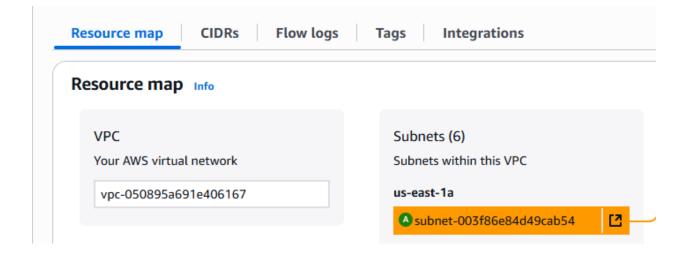
Verifying:



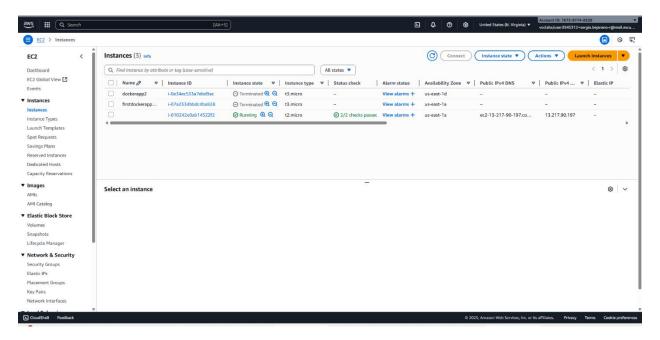
Step 3: Create the Instance

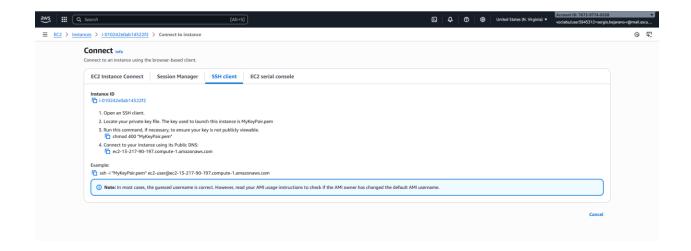
Before creating the instance, ensure you have a subnet configured.

Run the following command to launch a **t2.micro** instance:



Step 4: Connect to the Instance





Step 5: List Your Instances

Step 6: Clean Up

Delete the key pair:

```
sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio

$ aws ec2 delete-key-pair --key-name MyKeyPair

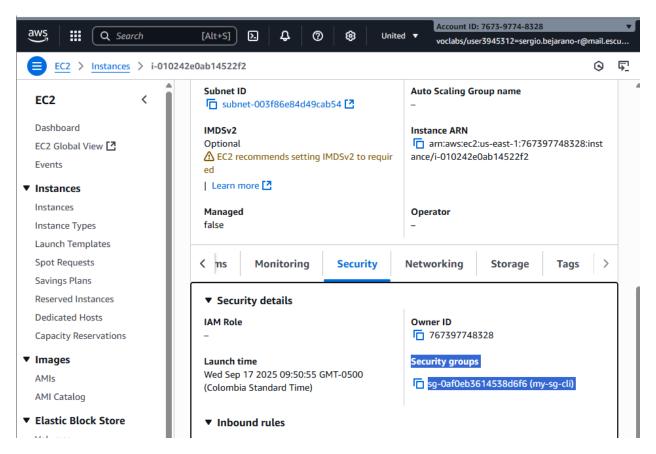
{

"Return": true,

"KeyPairId": "key-O1faad2c8e72eba38"

}
```

Delete the security group:



An error occurred:

```
sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio
$ aws ec2 delete-security-group --group-id sg-OafOeb3614538d6f6

An error occurred (DependencyViolation) when calling the DeleteSecurityGroup operation: resource sg-OafOeb3614538d6f6 has a dependent object

sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio
$ ^C
```

Delete the instance:

Now the security group is deleted:

```
sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio

$ aws ec2 delete-security-group --group-id sg-OafOeb3614538d6f6

sergio.bejarano-r@sistemas67 MINGW64 ~/Documents/sergio

$
```

Verifying:

