

# EJERCICIO EN CLASE: AWS

Andrea Camila Torres González

```
andrea.torres-g@sistemas65 MINGW64 ~
$ cd .aws

andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ ls
config  credentials

andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ nano credentials

andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ nano config

andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ nano config

andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ nano config

andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ aws ec2 create-key-pair --key-name MyKeyPair --query 'KeyMaterial' --output te
xt > MyKeyPair.pem

andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ ls -al
total 17
drwxr-xr-x 1 andrea.torres-g 1049089    0 Sep 17 09:08 ./
drwxr-xr-x 1 andrea.torres-g 1049089    0 Sep 17 09:03 ../
-rw-r--r-- 1 andrea.torres-g 1049089 1706 Sep 17 09:08 MyKeyPair.pem
-rw-r--r-- 1 andrea.torres-g 1049089   46 Sep 17 09:07 config
-rw-r--r-- 1 andrea.torres-g 1049089   899 Sep 17 09:05 credentials

andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ cat MyKeyPair.pem
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEA1GPbbLWsP3HOjPC8XpXf8KcIVYm/zW+2k79iN5ZmUCV93URg
1iS6e1j13FF+pFqEcch5IwNORuqz65bWtSDC12aoZ4JTQdM1o45tsBFYNT6SFQKW
jqa8bg49ofLUq3JAXJx02rE825OI80JmDEmc3GsVJAMwNdD08Y8wETOiXmWVY6wY
```

```
total 17
drwxr-xr-x 1 andrea.torres-g 1049089 0 Sep 17 09:08 ./
drwxr-xr-x 1 andrea.torres-g 1049089 0 Sep 17 09:03 ../
-rw-r--r-- 1 andrea.torres-g 1049089 1706 Sep 17 09:08 MyKeyPair.pem
-rw-r--r-- 1 andrea.torres-g 1049089 46 Sep 17 09:07 config
-rw-r--r-- 1 andrea.torres-g 1049089 899 Sep 17 09:05 credentials
```

andrea.torres-g@sistemas65 MINGW64 ~/.aws

\$ cat MyKeyPair.pem

-----BEGIN RSA PRIVATE KEY-----

```
MIIEpAIBAAKCAQEA1GPbbLWsP3HOjPC8XpXf8KcIVYm/zW+2k79iN5ZmUCV93URg
1iS6e1j13FF+pFqEcch5IwNORuqz65bwtSDC12aoZ4JTQdM1o45tsBFYNT6SFQKW
jqa8bg49ofLUg3JAXJx02rE8250I80JmDEmc3GsVJAMWNdD08Y8wETOixmWVY6wY
4iexMyPN2UamFZHdUz+Pj5bWomqGrGmMy9hwOF3YmKNrULuzAFj3Br1c2DAUURrp
VJGaIHXXaszUnaw3sw325fevmdOEK3JIFs4E21aF42S3v+ww10KB/PimmRco79pr
g+zjiW85E08z+2J99vvtap/qdBUD9wh0x0zhaQIDAQABaoIBAF6qf5QNyc+hj1n8
t01FbkJagP13Y31S8MMcC9ARB1t0yowEPVFN5T5CuT/of3pppz8qRm1EH/Ffxpj
6iFjj7hh9m/kg+2UEZVsF3Hh2ToqQHyc4c6FFP1k+Y2kqZpJI2zkA6WyWBje/q1G
jCuv5+3LA0pDQfQMxhChLOCN7jI6LkUEAtmzvi08Jy6u7TTQMs0hPHh7GZJJwP9I
TFRN9wJwJQM3ISyGmVIndx6Xq3XIqhesUr49V/uttt9Sb2ayekMfVndrY/jdz6h
9bZeZQ01DKWtsTCRjri50JdA1Km6ox7/kWEH6yQKZ81nGcBX2XnKVFTTskRVpyqd
EGKkeHECgYEA/5bTX5g8DjIyu1X2TYZ367EAXmmwp4bY/L9W+FDR0UQH20u3yj0z
WTEmrE19QCOos54jd8o913So1xGG+S6piFQqu6S1AiU1g8dKSjt49Dupd1WN8Yz/
9kNgh4S+PDEgheSmyhML1uHVgQ6Zf3oQjcbNm2MrNaFJ4LsqV5JzoVUCgYEA1LtB
T/n2gViuuN6G2V82V5Aa+75pM+0sbrCY60fSw9g9Yg03oxiKQrIeMp1fUKWCXoVv
4cx96U/OYQ5DFfWtQpLYRe9WA/wLVno2hN6MNBqI13VSqAYrC1wf8dG0jSpwMrQr
v6dBiaCMsDhCaiGoXmVA6AVAHSOPxGFz/B1mz8UCgYB6dSFBjAdiJdr4tu8TpeG/
I0cx9SGWop1E08jHoL2S6m1BqJ2eYERB77LAKKZaHLuvk4zo+9U1bceXg+ZPbXP8
xZbT4M55AKrrQIjvmb8TpaJectFXc18Q9qdBRvB+1msmu670EuIRSpKpCv2wfi0A
Ryrn0FPbljN3YTWgT6LnIQKbgQDHmvFdqnsHc6FoizdKpNwF+PLLe0maJT96DQn0
TgYWTY5tEX4Lwxb0jUWpq+SM5+7EA79YeNwOdSSTzX8UOPjEBi1uj0bERGD5esdC
dAJ1Z9NrrfjQbTzQ1Ns03WfTtDLtKnks5bmA3k3fVU8bgpjEi4HTwdbfckVVZsvs
7PxQ4QKBgQDq6ZvX8b3nea0hTd5aWuOf5I10e6Bw4ytMyUNED8CruC/unJL7F8gM
xboc8UrQvzg2L0MwOwF7AcTA4I3M65BZWg9z+gcY8D1M/AdxSY6GCq5uAZuZ9W1
2FvZGUiBi47nQTreqqYM8dE/D2o6gUbjX/cNhG6Y+/Gn5j29V109PA==
-----END RSA PRIVATE KEY-----
```

andrea.torres-g@sistemas65 MINGW64 ~/.aws

\$ |

andrea.torres-g@sistemas65 MINGW64 ~/.aws

\$ chmod 400 MyKeyPair.pem

andrea.torres-g@sistemas65 MINGW64 ~/.aws

\$ ls -la

total 17

```
drwxr-xr-x 1 andrea.torres-g 1049089 0 Sep 17 09:08 ./
drwxr-xr-x 1 andrea.torres-g 1049089 0 Sep 17 09:03 ../
-r--r--r-- 1 andrea.torres-g 1049089 1706 Sep 17 09:08 MyKeyPair.pem
-rw-r--r-- 1 andrea.torres-g 1049089 46 Sep 17 09:07 config
-rw-r--r-- 1 andrea.torres-g 1049089 899 Sep 17 09:05 credentials
```

andrea.torres-g@sistemas65 MINGW64 ~/.aws

\$ sudo chmod 400 MyKeyPair.pem

bash: sudo: command not found

andrea.torres-g@sistemas65 MINGW64 ~/.aws

\$ |

```
andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ aws ec2 describe-key-pairs --key-name MyKeyPair
{
  "KeyPairs": [
    {
      "KeyPairId": "key-0b47ba299d1b6961c",
      "KeyFingerprint": "54:8e:4e:3c:d3:38:82:76:e3:a1:e6:39:a1:69:a3:fd:c3:77:b8:8d",
      "KeyName": "MyKeyPair",
      "KeyType": "rsa",
      "Tags": [],
      "CreateTime": "2025-09-17T14:08:52.516000+00:00"
    }
  ]
}
```

```
andrea.torres-g@sistemas65 MINGW64 ~/.aws
```

```
andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ aws ec2 create-security-group --group-name my-sg-cli --description "My security group" --vpc-id vpc-0ba5ea13565dffcaa
{
  "GroupId": "sg-0f6e5f4cbc5e49c57"
}
```

```
andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ aws ec2 describe-security-groups --group-ids sg-0f6e5f4cbc5e49c57
{
  "SecurityGroups": [
    {
      "Description": "My security group",
      "GroupName": "my-sg-cli",
      "IpPermissions": [],
      "OwnerId": "058264248445",
      "GroupId": "sg-0f6e5f4cbc5e49c57",
      "IpPermissionsEgress": [
        {
          "IpProtocol": "-1",
          "IpRanges": [
            {
              "CidrIp": "0.0.0.0/0"
            }
          ],
          "Ipv6Ranges": [],
          "PrefixListIds": [],
          "UserIdGroupPairs": []
        }
      ],
      "VpcId": "vpc-0ba5ea13565dffcaa"
    }
  ]
}
```

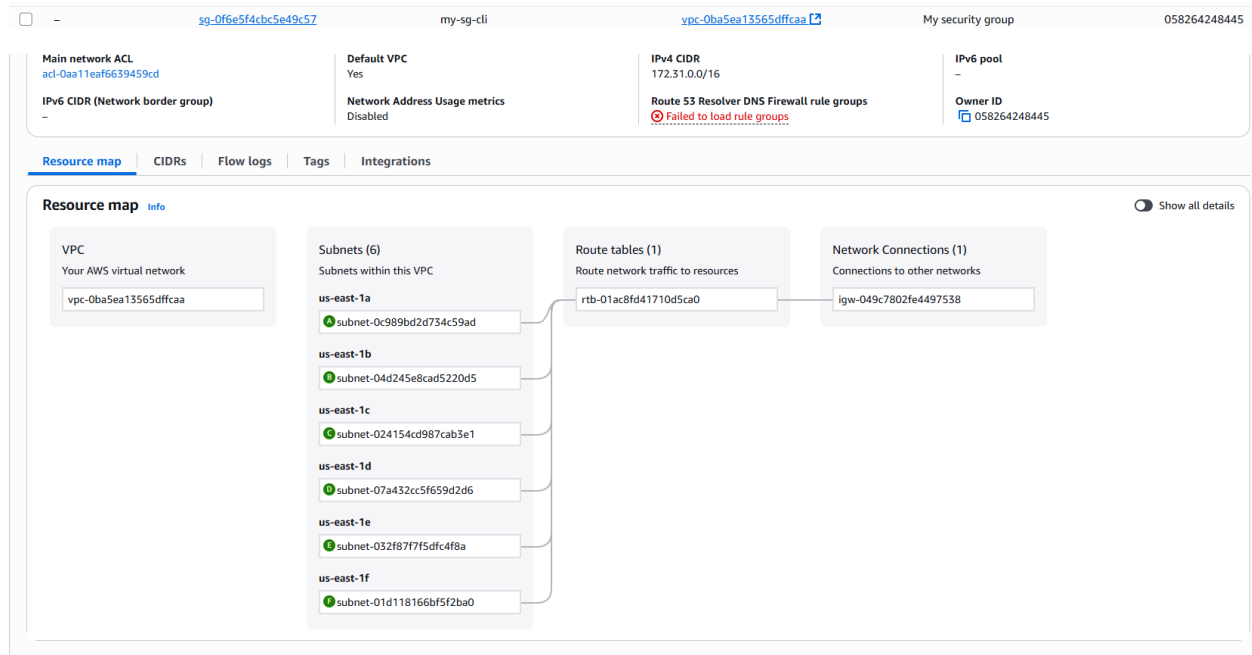
```



andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ curl https://checkip.amazonaws.com
45.239.88.82

andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ aws ec2 authorize-security-group-ingress --group-id sg-0f6e5f4cbc5e49c57 --protocol tcp --port 3389 --cidr 0.0.0.0/0
{
  "Return": true,
  "SecurityGroupRules": [
    {
      "SecurityGroupRuleId": "sgr-00210a568e928267c",
      "GroupId": "sg-0f6e5f4cbc5e49c57",
      "GroupOwnerId": "058264248445",
      "IsEgress": false,
      "IpProtocol": "tcp",
      "FromPort": 3389,
      "ToPort": 3389,
      "CidrIpv4": "0.0.0.0/0"
    }
  ]
}

andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ aws ec2 authorize-security-group-ingress --group-id sg-0f6e5f4cbc5e49c57 --protocol tcp --port 22 --cidr 0.0.0.0/0
{
  "Return": true,
  "SecurityGroupRules": [
    {
      "SecurityGroupRuleId": "sgr-0607f4870379f7a4b",
      "GroupId": "sg-0f6e5f4cbc5e49c57",
      "GroupOwnerId": "058264248445",
      "IsEgress": false,
      "IpProtocol": "tcp",
      "FromPort": 22,
      "ToPort": 22,
      "CidrIpv4": "0.0.0.0/0"
    }
  ]
}

```



<input checked="" type="checkbox"/>	i-0667c66a3d4789484	<span>Running</span>	 	t2.micro	<span>Initializing</span>	<a href="#">View alarms +</a>	us-east-1a	ec2-34-207-252-169.co...	34.207.252.169	-
-------------------------------------	---------------------	----------------------	---	----------	---------------------------	-------------------------------	------------	--------------------------	----------------	---

[Details](#) | [Status and alarms](#) | [Monitoring](#) | [Security](#) | [Networking](#) | [Storage](#) | [Tags](#)

## Instance ID

Instance ID  
i-0667c66a3d4789484

IPv6 address

 Springer

Hostname type

IP name: ip-172-31-17-71.ec2.internal

Answer private resource DNS name

100

Public IPv4 address

Public IPv4 address  
34.207.252.169 | [open address](#)

### Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-17-71.ec2.internal

**Instance type**

t2.micro

### Private IPv4 addresses

172.31.17.71

## Public DNS

ec2-34-207-252-169.compute-1.amazonaws.com | [open address](#)

### Elastic IP addresses

1

```
andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ ssh -i "MyKeyPair.pem" ec2-user@ec2-34-207-252-169.compute-1.amazonaws.com
```

```
  _| _|_ )
 _| (   /  Amazon Linux AMI
__| \__|__|
```

```
https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
27 package(s) needed for security, out of 44 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-17-71 ~]$
```

```
andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ aws ec2 describe-instances --filters "Name=instance-type,Values=t2.micro" --query "Reservations[].Instances[].InstanceId"
[
  "i-0667c66a3d4789484"
]
```

```
andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ aws ec2 delete-key-pair --key-name MyKeyPair
{
  "Return": true,
  "KeyPairId": "key-0b47ba299d1b6961c"
}
```

```
andrea.torres-g@sistemas65 MINGW64 ~/.aws
$ aws ec2 terminate-instances --instance-ids i-0667c66a3d4789484
{
  "TerminatingInstances": [
    {
      "CurrentState": {
        "Code": 32,
        "Name": "shutting-down"
      },
      "InstanceId": "i-0667c66a3d4789484",
      "PreviousState": {
        "Code": 16,
        "Name": "running"
      }
    }
  ]
}
```