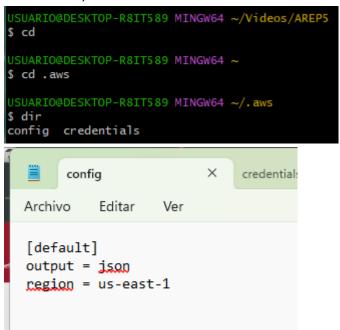
# Infrastructure as Code: AWS-CLI Primer Workshop

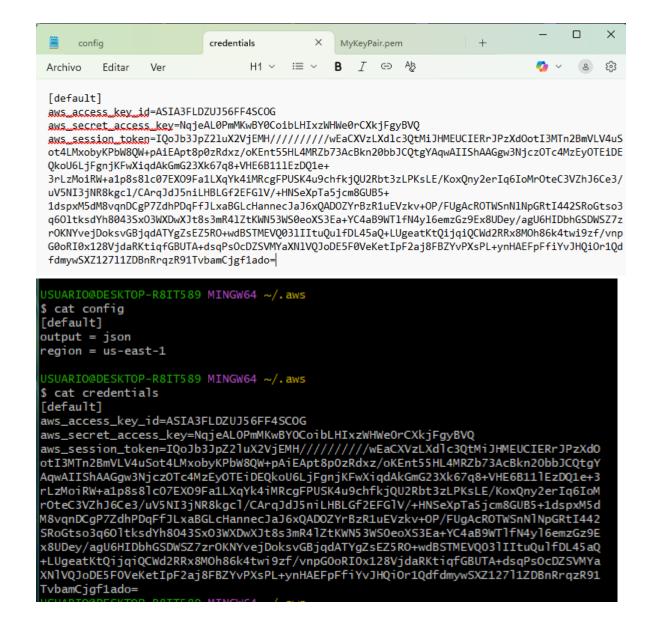
#### **AWS-CLI Primer Workshop**

María Paula Sánchez Macías

- 1. Instalé AWS CLI
- 2. Configuré AWS CLI con mis credenciales

3. Ingresé al directorio .aws y configuré correctamente ambos archivos (config y credentials)





# Step 1: Create a Key Pair for EC2

1. Cambié la carpeta y creé una "llave digital" que me permitirá conectarme de forma segura a mi servidor EC2.

2. Cambié los permisos para que solo yo pueda leer la llave

```
USUARIO@DESKTOP-R8IT589 MINGW64 ~/Documents/AREP5
$ chmod 400 MyKeyPair.pem

USUARIO@DESKTOP-R8IT589 MINGW64 ~/Documents/AREP5
$ ls -la
total 8
drwxr-xr-x 1 USUARIO 197121 0 Sep 23 11:34 ./
drwxr-xr-x 1 USUARIO 197121 0 Sep 23 11:28 ../
-r--r--r-- 1 USUARIO 197121 1702 Sep 23 11:35 MyKeyPair.pem
```

3. Check the fingerprint

#### Step 2: Create a Security Group

1. Revisé VPCs configured in your account



queta	
▼   ID de la VPC	▽
<u>vpc-0e6a25b4409618</u>	8b7f
vpc-0e6a25b4409618  EPS y-sg-clidescription "My security group"vpc-id vpc-	
	▼   ID de la VPC  vpc-0e6a25b440961

# 2. Ver la lista de grupos

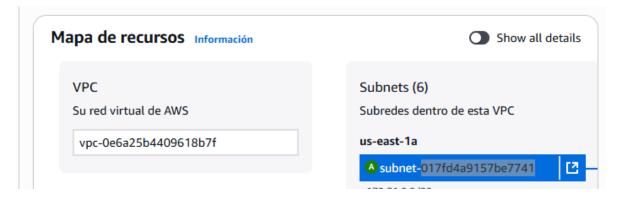
# 3. Allow RDP (port 3389):

4. Allow SSH (port 22):

# **Step 3: Create the Instance**

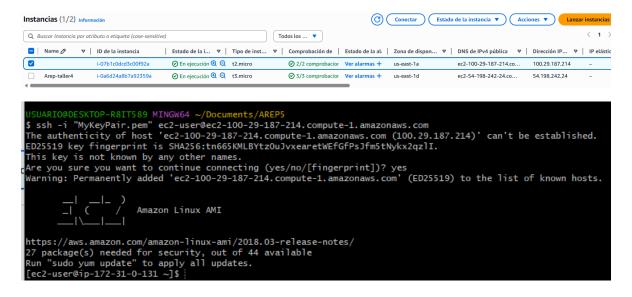
1. Before creating the instance, ensure you have a subnet configured.

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



```
UARIO@DESKTOP-R8IT589 MINGW64 ~/Documents/AREP5
aws ec2 authorize-security-group-ingress --group-id sg-009e3436f77ac4998 --protocol tcp --port 3389 --cidr 0.0.0.0/0
               "GroupId": "sg-009e3436f77ac4998",
                "IpPermissionsEgress": [
                           "IpProtocol": "-1",
"UserIdGroupPairs": [],
"IpRanges": [
                                {
"CidrIp": "0.0.0.0/0"
                           ], "
"Ipv6Ranges": [], 
"PrefixListIds": []
               ],
"VpcId": "vpc-0e6a25b4409618b7f",
               vpcId : vpc-ve6az50440961607 ,
    "SecurityGroupArm": "arm:aws:ec2:us-east-1:767397831291:security-group/sg-009e3436f77ac4998",
    "OwnerId": "767397831291",
    "GroupName": "my-sg-cli",
    "Description": "My security group",
    "IpPermissions": [
                           "IpProtocol": "tcp",
"FromPort": 22,
"ToPort": 22,
"UserIdGroupPairs": [],
                            "IpRanges": [
                                        "CidrIp": "0.0.0.0/0"
                           ],
"Ipv6Ranges": [],
"PrefixListIds": []
                           "IpProtocol": "tcp",
"FromPort": 3389,
"ToPort": 3389,
                            "UserIdGroupPairs": [],
    "ReservationId": "r-07147a262ee4eb390",
   "OwnerId": "767397831291",
"Groups": [],
```

#### Step 4: Connect to the Instance



## **Step 5: List Your Instances**

#### Step 6: Clean Up

1. Delete the key pair:

```
USUARIO@DESKTOP-R8IT589 MINGW64 ~/Documents/AREP5
$ aws ec2 delete-key-pair --key-name MyKeyPair
{
    "Return": true,
    "KeyPairId": "key-02ff3bb3315400d4d"
}
```

2. Delete the security group and Terminate the instance

```
USUARIO@DESKTOP-R8IT589 MINGW64 ~/Documents/AREP5
$ aws ec2 delete-security-group --group-id sg-009e3436f77ac4998
{
    "Return": true,
    "GroupId": "sg-009e3436f77ac4998"
}
```