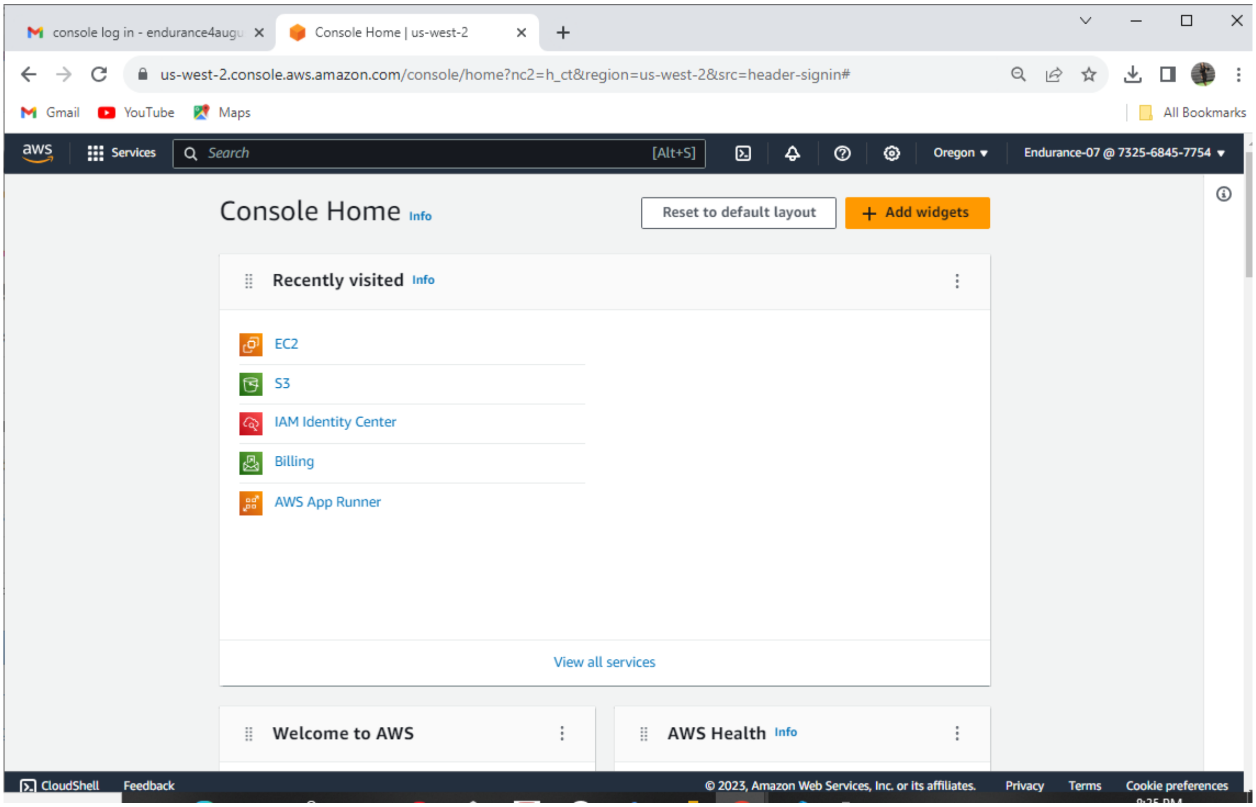
Group: A

Step1: Access aws management console via user IAM


console log in - endurance4augu
Console Home | us-west-2
us-west-2.console.aws.amazon.com/console/home?nc2=h_ct&region=us-west-2&src=header-signin#
Gmail
YouTube
Maps
All Bookmarks
aws
Services
Search
[Alt+S]
Oregon ▾
Endurance-07 @ 7325-6845-7754 ▾
Reset to default layout
+ Add widgets
CloudShell
Feedback
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Privacy
Terms
Cookie preferences

Console Home Info

Recently visited Info

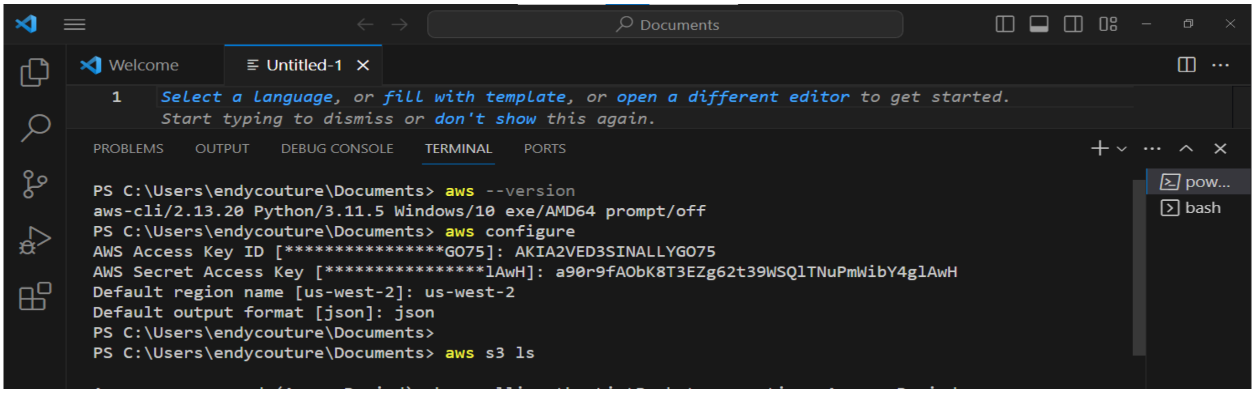
- EC2
- S3
- IAM Identity Center
- Billing
- AWS App Runner

View all services

Welcome to AWS

AWS Health Info

Step2: aws configure

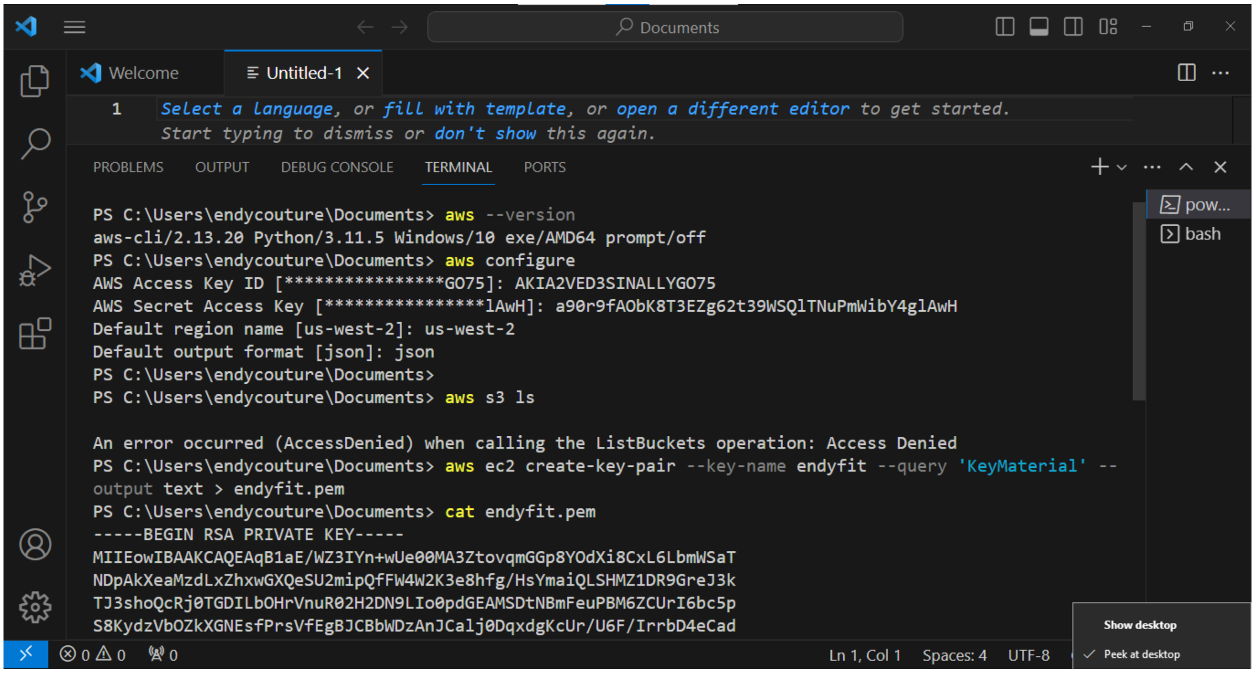


```
Select a language, or fill with template, or open a different editor to get started.
Start typing to dismiss or don't show this again.
```

```
PS C:\Users\endycouture\Documents> aws --version
aws-cli/2.13.20 Python/3.11.5 Windows/10 exe/AMD64 prompt/off
PS C:\Users\endycouture\Documents> aws configure
AWS Access Key ID [****************GO75]: AKIA2VED3SINALLYGO75
AWS Secret Access Key [****************lAwH]: 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
Default region name [us-west-2]: us-west-2
Default output format [json]: json
PS C:\Users\endycouture\Documents>
PS C:\Users\endycouture\Documents> aws s3 ls
```

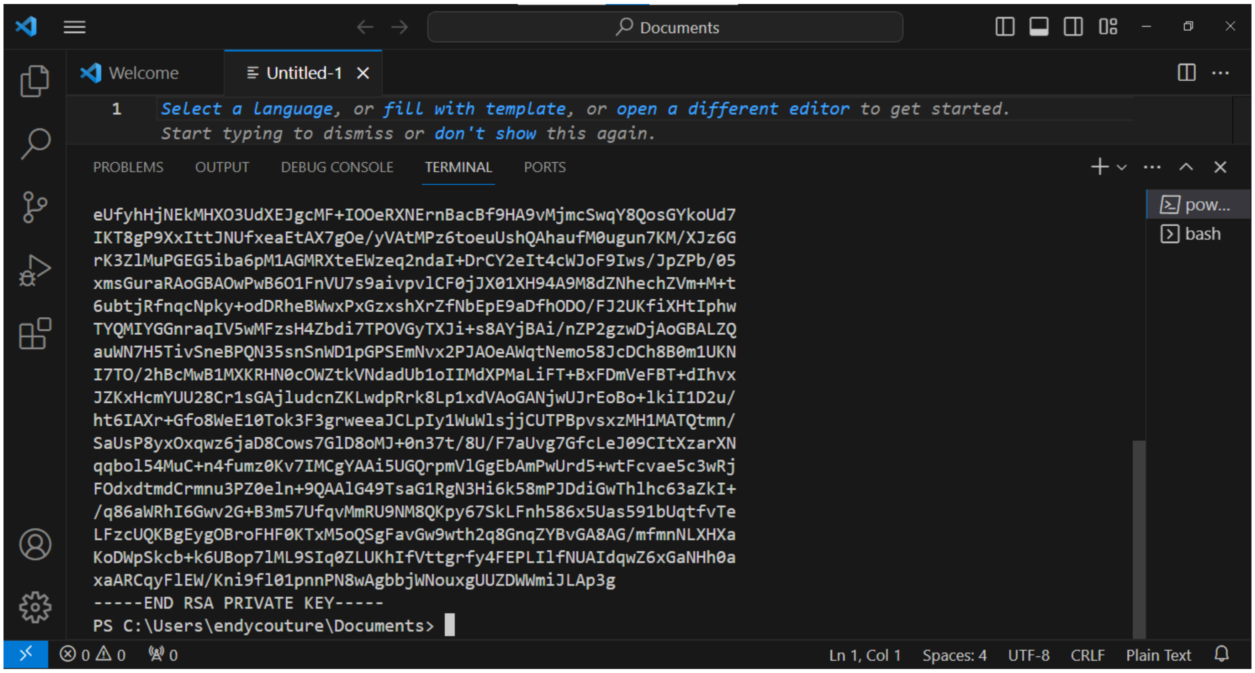
Step 3: created a key-pair via CLI

- l



```
1   Select a language, or fill with template, or open a different editor to get started.
    Start typing to dismiss or don't show this again.
```

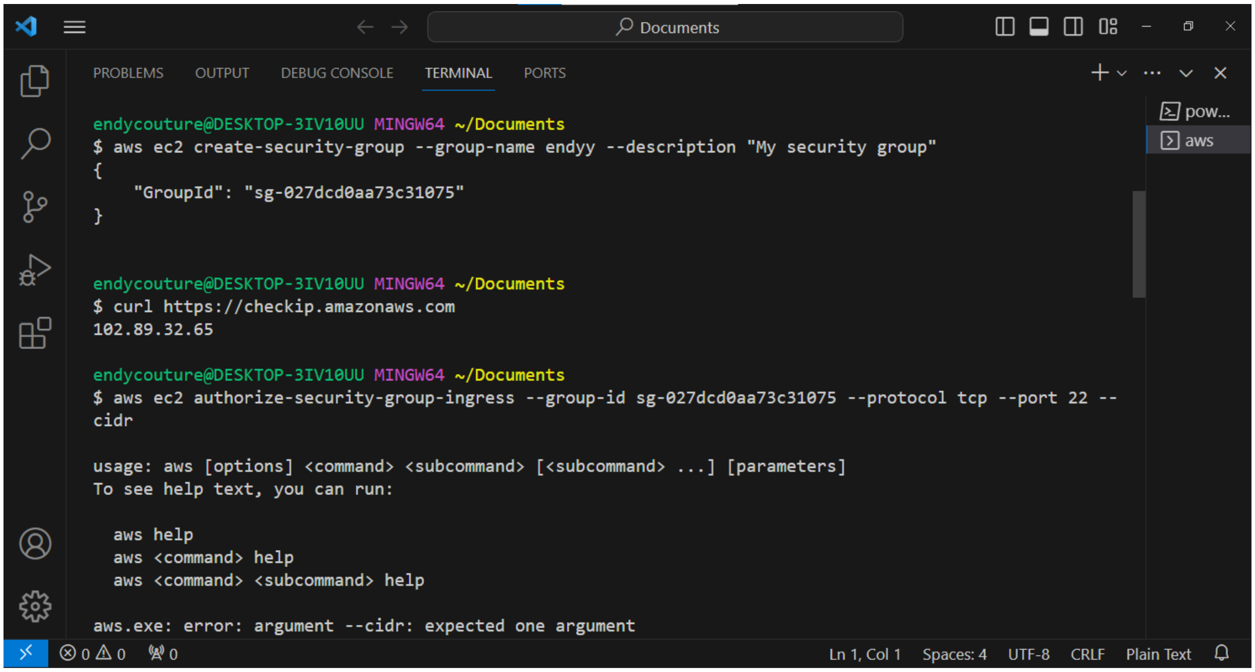
```
PS C:\Users\endycouture\Documents> aws --version
aws-cli/2.13.20 Python/3.11.5 Windows/10 exe/AMD64 prompt/off
PS C:\Users\endycouture\Documents> aws configure
AWS Access Key ID [****************GO75]: AKIA2VED3SINALLYGO75
AWS Secret Access Key [****************lAwH]: 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
Default region name [us-west-2]: us-west-2
Default output format [json]: json
PS C:\Users\endycouture\Documents>
PS C:\Users\endycouture\Documents> aws s3 ls

An error occurred (AccessDenied) when calling the ListBuckets operation: Access Denied
PS C:\Users\endycouture\Documents> aws ec2 create-key-pair --key-name endyfit --query 'KeyMaterial' --
output text > endyfit.pem
PS C:\Users\endycouture\Documents> cat endyfit.pem
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAqB1aE/WZ3IYn+wUe00MA3ZtovqmGGp8YOdXi8CxL6LbmWSaT
NDpAkXeaMzdLxZhxwGXQeSU2mipQfFW4W2K3e8hfg/HsYmaiQLSHMZ1DR9GreJ3k
TJ3shoQcRj0TGDILbOHrVnuR02H2DN9LIo0pdGEAMSDtNBmFeuPBM6ZCUrI6bc5p
S8KydzVbOZkXGNEsfPrsVfEgBJCBbWDzAnJCalj0DqxdgKcUr/U6F/IrrbD4eCad
```



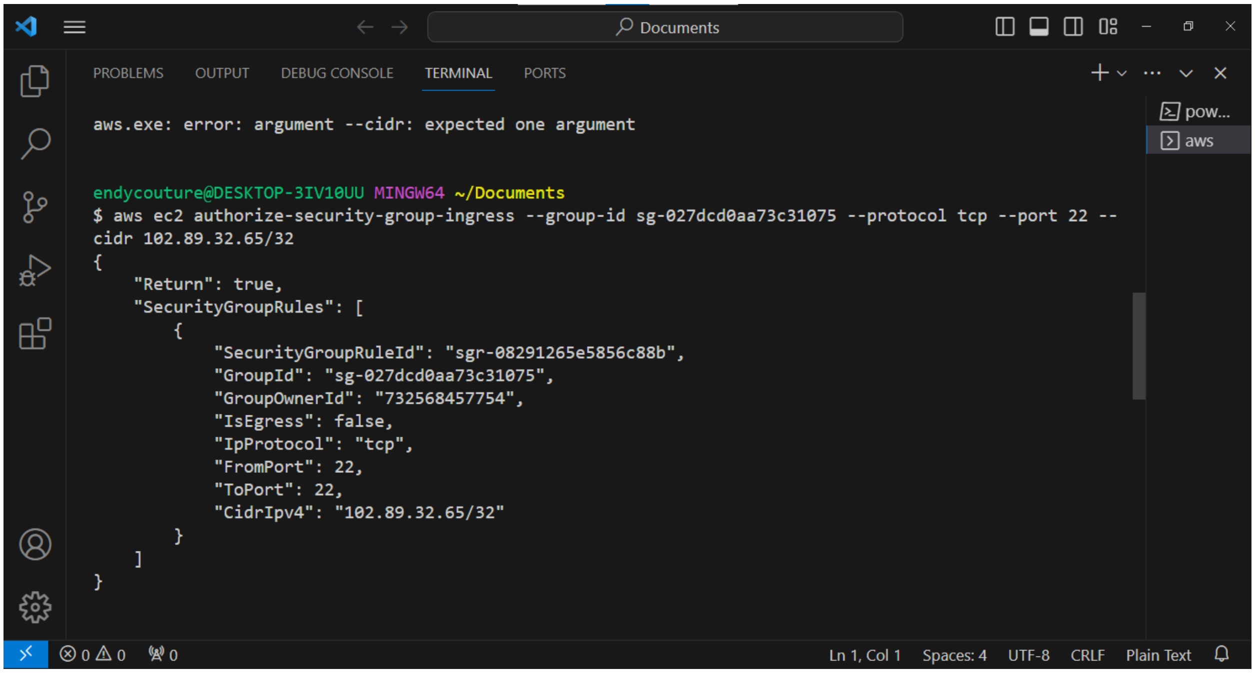
```
1   Select a language, or fill with template, or open a different editor to get started.
    Start typing to dismiss or don't show this again.
```

```
eUfyhHjNEkMHXO3UdXEJgcMF+IOOeRXNErnBacBf9HA9vMjmcSwqY8QosGYkoUd7
IKT8gP9XxIttJNUfxeaEtAX7gOe/yVAtMPz6toeuUshQAhaufM0ugun7KM/XJz6G
rK3ZlMuPGEG5iba6pM1AGMRXteEWzeq2ndaI+DrCY2eIt4cWJoF9Iws/JpZPb/05
xmsGuraRAoGBAOwPwB6O1FnVU7s9aivpvlCF0jJX01XH94A9M8dZNhechZVm+M+t
6ubtjRfnqcNpky+odDRheBWwxPxGzxshXrZfNbEpE9aDfhODO/FJ2UKfiXHtIphw
TYQMIYGGnraqIV5wMFzsH4Zbdi7TPOVGyTXJi+s8AYjBAi/nZP2gzwDjAoGBALZQ
auWN7H5TivSneBPQN35snSnWD1pGPSEmNvx2PJAOeAWqtNemo58JcDCh8B0m1UKN
I7TO/2hBcMwB1MXKRHN0cOWZtkVNdadUb1oIIMdXPMaLiFT+BxFDmVeFBT+dIhvx
JZKxHcmYUU28Cr1sGAjludcnZKLwdpRrk8Lp1xdVAoGANjwUJrEoBo+lkiI1D2u/
ht6IAXr+Gfo8WeE10Tok3F3grweeaJCLpIy1WuWlsjjCUTPBpvsxzMH1MATQtmn/
SaUsP8yxOxqwz6jaD8Cows7GlD8oMJ+0n37t/8U/F7aUvg7GfcLeJ09CItXzarXN
qqbol54MuC+n4fumz0Kv7IMCgYAAi5UGQrpmVlGgEbAmPwUrd5+wtFcvae5c3wRj
FOdxdtmdCrmnu3PZ0eln+9QAAlG49TsaG1RgN3Hi6k58mPJDdiGwThlhc63aZkI+
/q86aWRhI6Gwv2G+B3m57UfqvMmRU9NM8QKpy67SkLFnh586x5Uas591bUqtfvTe
LFzcUQKBgEygOBroFHF0KTxM5oQSgFavGw9wth2q8GnqZYBvGA8AG/mfmnNLXHXa
KoDWpSkcb+k6UBop7lML9SIq0ZLUKhIfVttgrfy4FEPLIlfNUAIdqwZ6xGaNHh0a
xaARCqyFlEW/Kni9fl01pnnPN8wAgbbjWNouxgUUZDWWmiJLAp3g
-----END RSA PRIVATE KEY-----
PS C:\Users\endycouture\Documents>
```

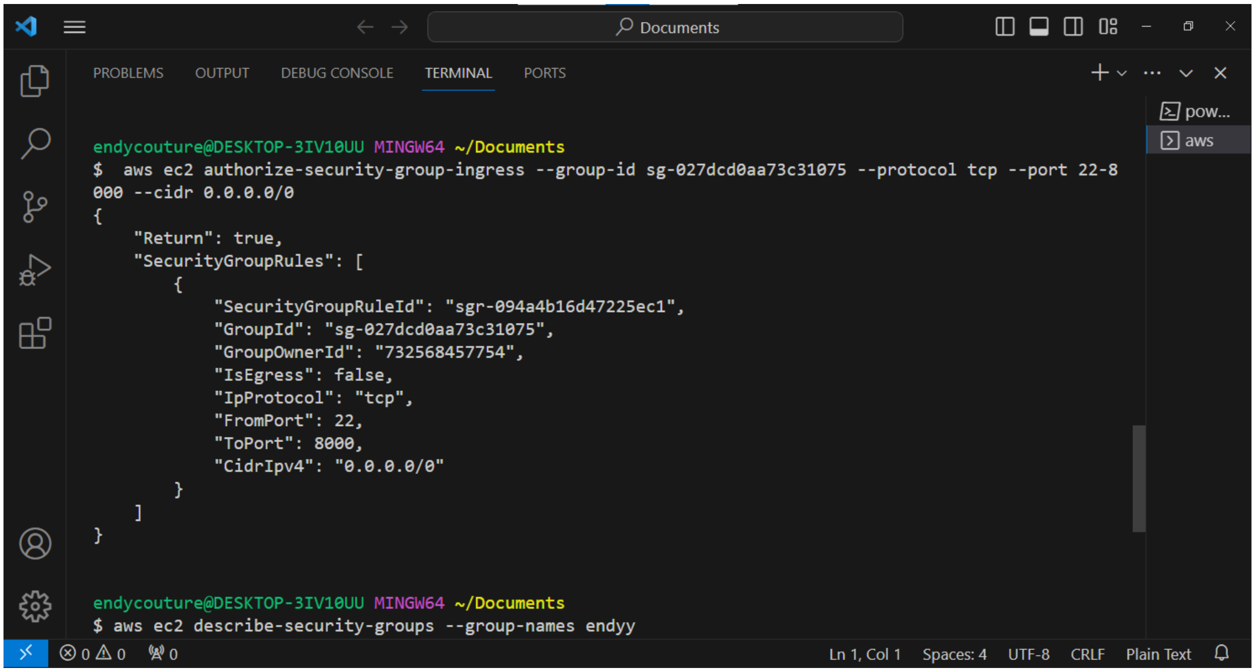
Step 4: created security group via CLI



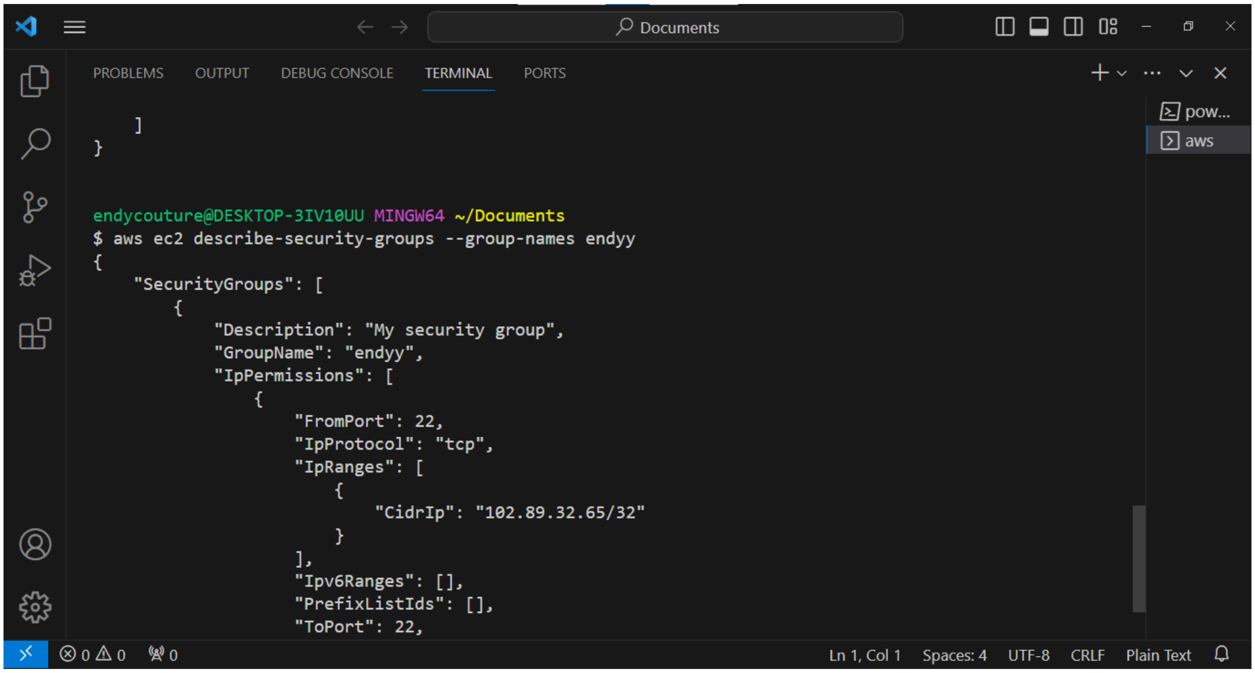
```
endycouture@DESKTOP-3IV10UU MINGW64 ~/Documents
$ aws ec2 create-security-group --group-name endyy --description "My security group"
{
    "GroupId": "sg-027dcd0aa73c31075"
}


endycouture@DESKTOP-3IV10UU MINGW64 ~/Documents
$ curl https://checkip.amazonaws.com
102.89.32.65

endycouture@DESKTOP-3IV10UU MINGW64 ~/Documents
$ aws ec2 authorize-security-group-ingress --group-id sg-027dcd0aa73c31075 --protocol tcp --port 22 --
cidr

usage: aws [options] <command> <subcommand> [<subcommand> ...] [parameters]
To see help text, you can run:

  aws help
  aws <command> help
  aws <command> <subcommand> help

aws.exe: error: argument --cidr: expected one argument
```



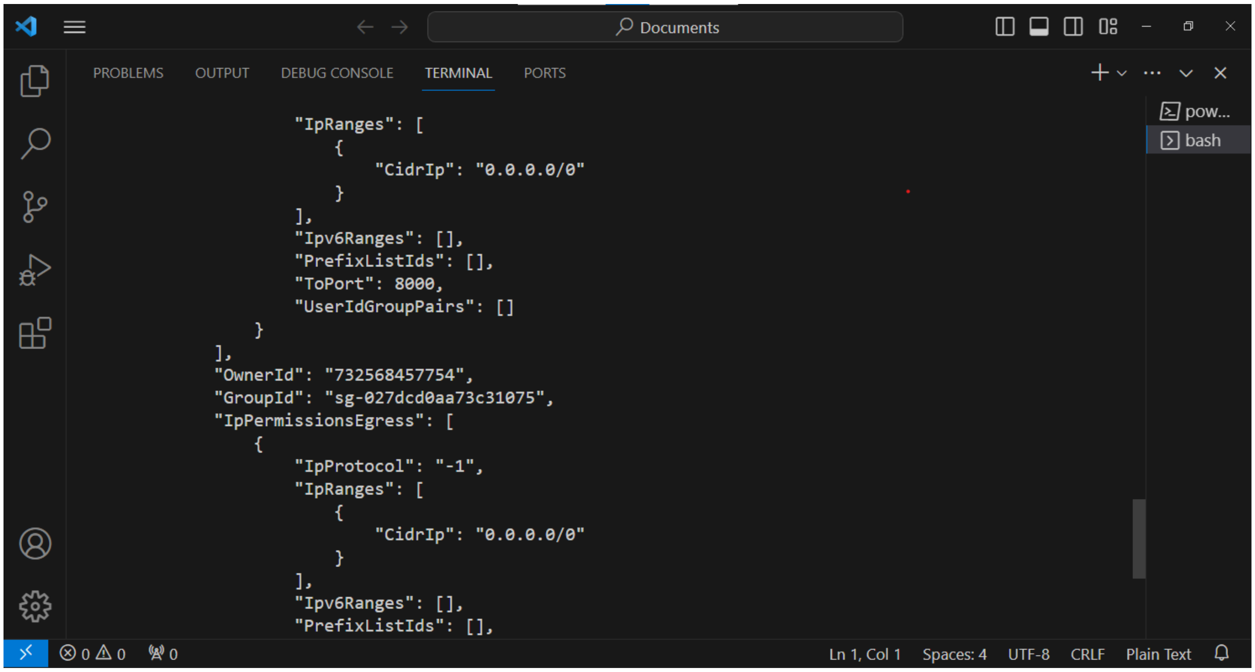
```
aws.exe: error: argument --cidr: expected one argument


endycouture@DESKTOP-3IV10UU MINGW64 ~/Documents
$ aws ec2 authorize-security-group-ingress --group-id sg-027dcd0aa73c31075 --protocol tcp --port 22 --
cidr 102.89.32.65/32
{
    "Return": true,
    "SecurityGroupRules": [
        {
            "SecurityGroupRuleId": "sgr-08291265e5856c88b",
            "GroupId": "sg-027dcd0aa73c31075",
            "GroupOwnerId": "732568457754",
            "IsEgress": false,
            "IpProtocol": "tcp",
            "FromPort": 22,
            "ToPort": 22,
            "CidrIpv4": "102.89.32.65/32"
        }
    ]
}
```



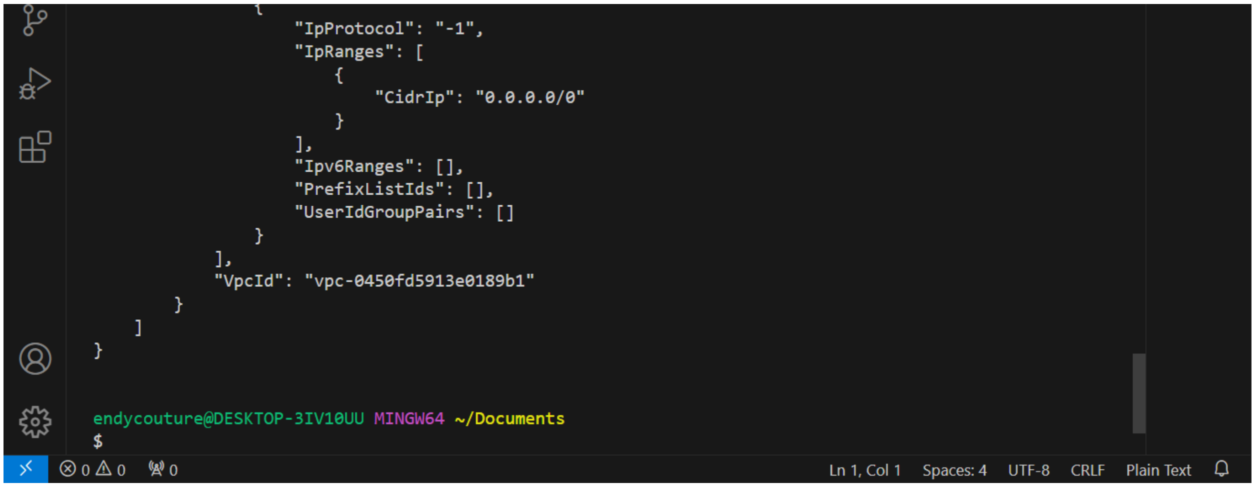
```
endycouture@DESKTOP-3IV10UU MINGW64 ~/Documents
$  aws ec2 authorize-security-group-ingress --group-id sg-027dcd0aa73c31075 --protocol tcp --port 22-8
000 --cidr 0.0.0.0/0
{
    "Return": true,
    "SecurityGroupRules": [
        {
            "SecurityGroupRuleId": "sgr-094a4b16d47225ec1",
            "GroupId": "sg-027dcd0aa73c31075",
            "GroupOwnerId": "732568457754",
            "IsEgress": false,
            "IpProtocol": "tcp",
            "FromPort": 22,
            "ToPort": 8000,
            "CidrIpv4": "0.0.0.0/0"
        }
    ]
}


endycouture@DESKTOP-3IV10UU MINGW64 ~/Documents
$ aws ec2 describe-security-groups --group-names endyy
```



```
    ]
}


endycouture@DESKTOP-3IV10UU MINGW64 ~/Documents
$ aws ec2 describe-security-groups --group-names endyy
{
    "SecurityGroups": [
        {
            "Description": "My security group",
            "GroupName": "endyy",
            "IpPermissions": [
                {
                    "FromPort": 22,
                    "IpProtocol": "tcp",
                    "IpRanges": [
                        {
                            "CidrIp": "102.89.32.65/32"
                        }
                    ],
                    "Ipv6Ranges": [],
                    "PrefixListIds": [],
                    "ToPort": 22,
```

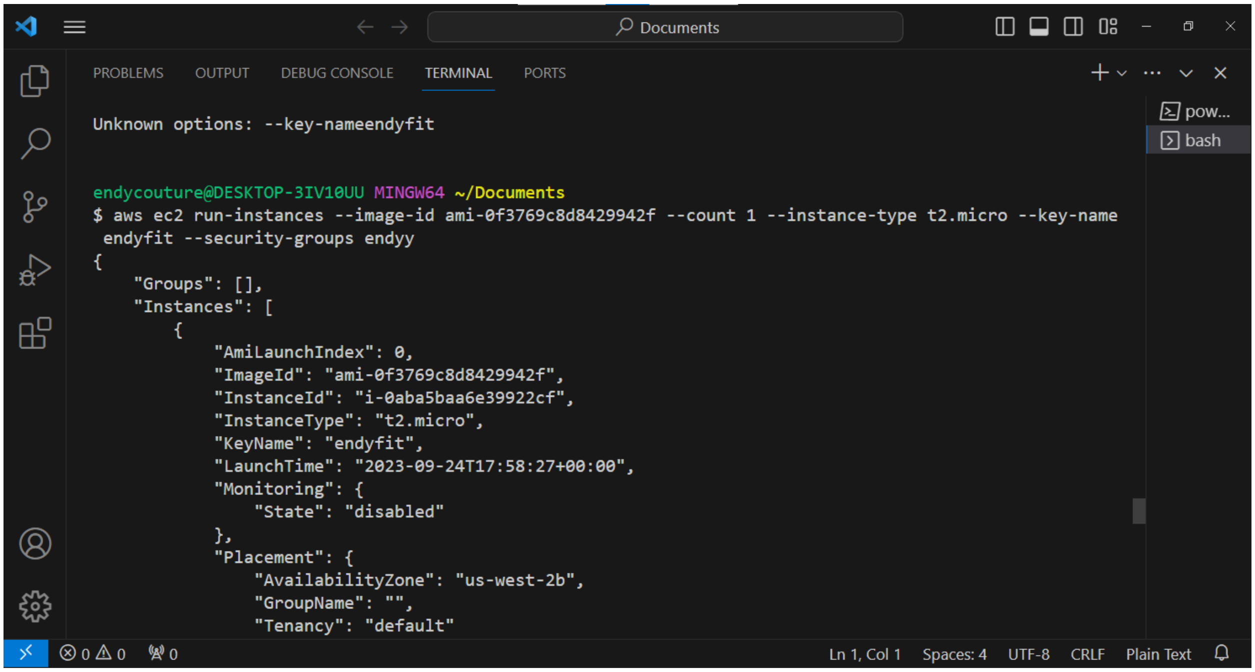


```
                    "IpRanges": [
                        {
                            "CidrIp": "0.0.0.0/0"
                        }
                    ],
                    "Ipv6Ranges": [],
                    "PrefixListIds": [],
                    "ToPort": 8000,
                    "UserIdGroupPairs": []
                }
            ],
            "OwnerId": "732568457754",
            "GroupId": "sg-027dcd0aa73c31075",
            "IpPermissionsEgress": [
                {
                    "IpProtocol": "-1",
                    "IpRanges": [
                        {
                            "CidrIp": "0.0.0.0/0"
                        }
                    ],
                    "Ipv6Ranges": [],
                    "PrefixListIds": [],
```

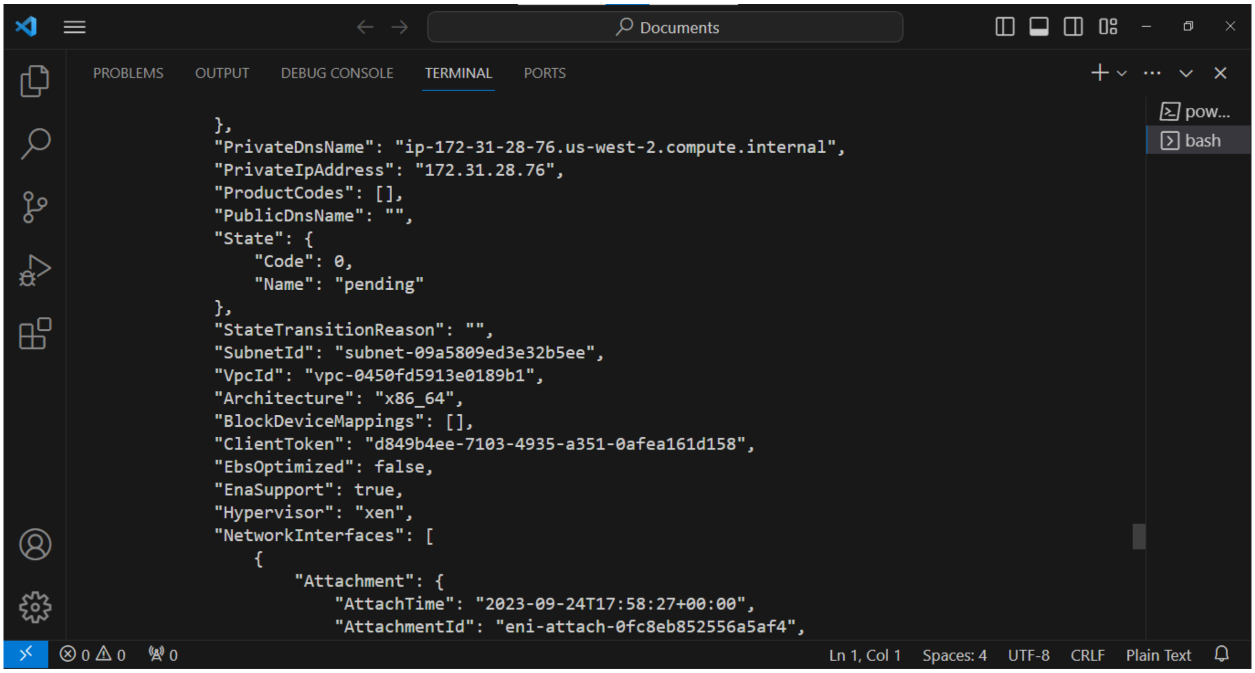


```
                {
                    "IpProtocol": "-1",
                    "IpRanges": [
                        {
                            "CidrIp": "0.0.0.0/0"
                        }
                    ],
                    "Ipv6Ranges": [],
                    "PrefixListIds": [],
                    "UserIdGroupPairs": []
                }
            ],
            "VpcId": "vpc-0450fd5913e0189b1"
        }
    ]
}


endycouture@DESKTOP-3IV10UU MINGW64 ~/Documents
$
```

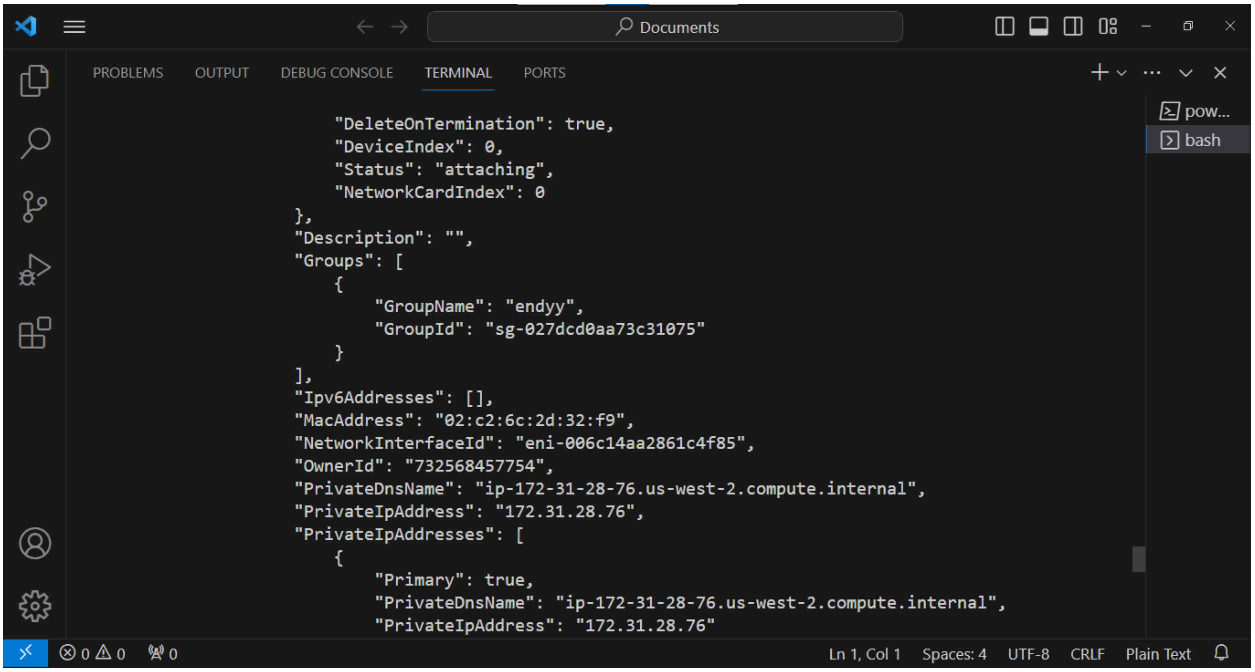
Step5: Ran the command to launch an EC2



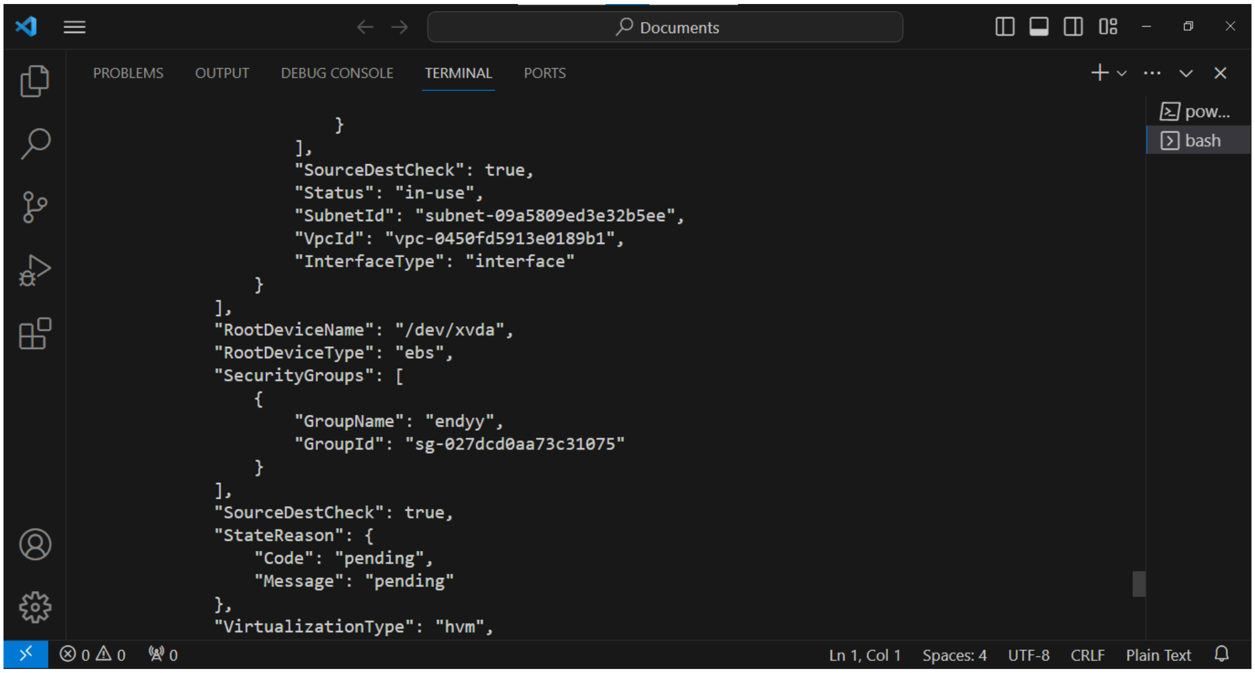
```
Unknown options: --key-nameendyfit


endycouture@DESKTOP-3IV10UU MINGW64 ~/Documents
$ aws ec2 run-instances --image-id ami-0f3769c8d8429942f --count 1 --instance-type t2.micro --key-name
 endyfit --security-groups endyy
{
    "Groups": [],
    "Instances": [
        {
            "AmiLaunchIndex": 0,
            "ImageId": "ami-0f3769c8d8429942f",
            "InstanceId": "i-0aba5baa6e39922cf",
            "InstanceType": "t2.micro",
            "KeyName": "endyfit",
            "LaunchTime": "2023-09-24T17:58:27+00:00",
            "Monitoring": {
                "State": "disabled"
            },
            "Placement": {
                "AvailabilityZone": "us-west-2b",
                "GroupName": "",
                "Tenancy": "default"
```



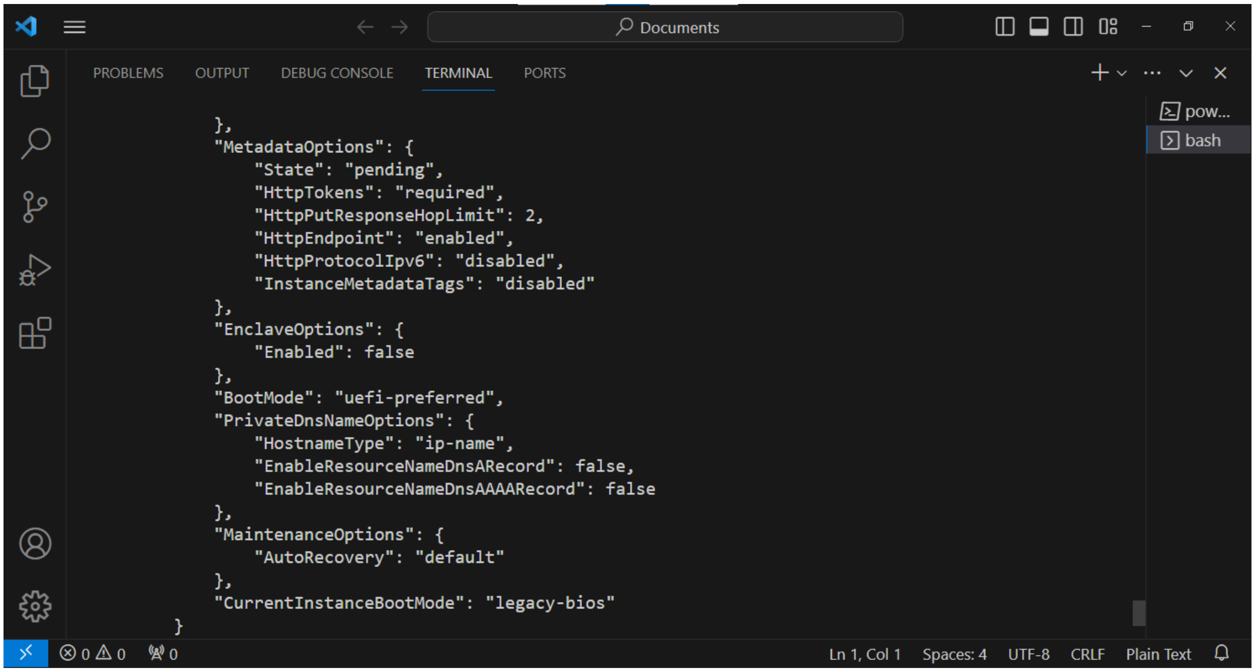
```
            },
            "PrivateDnsName": "ip-172-31-28-76.us-west-2.compute.internal",
            "PrivateIpAddress": "172.31.28.76",
            "ProductCodes": [],
            "PublicDnsName": "",
            "State": {
                "Code": 0,
                "Name": "pending"
            },
            "StateTransitionReason": "",
            "SubnetId": "subnet-09a5809ed3e32b5ee",
            "VpcId": "vpc-0450fd5913e0189b1",
            "Architecture": "x86_64",
            "BlockDeviceMappings": [],
            "ClientToken": "d849b4ee-7103-4935-a351-0afea161d158",
            "EbsOptimized": false,
            "EnaSupport": true,
            "Hypervisor": "xen",
            "NetworkInterfaces": [
                {
                    "Attachment": {
                        "AttachTime": "2023-09-24T17:58:27+00:00",
                        "AttachmentId": "eni-attach-0fc8eb852556a5af4",
```



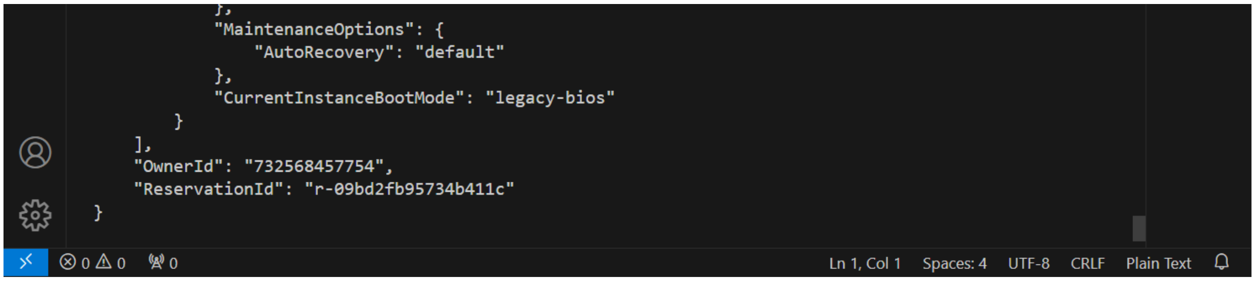
```
                    "DeleteOnTermination": true,
                    "DeviceIndex": 0,
                    "Status": "attaching",
                    "NetworkCardIndex": 0
                },
                "Description": "",
                "Groups": [
                    {
                        "GroupName": "endyy",
                        "GroupId": "sg-027dcd0aa73c31075"
                    }
                ],
                "Ipv6Addresses": [],
                "MacAddress": "02:c2:6c:2d:32:f9",
                "NetworkInterfaceId": "eni-006c14aa2861c4f85",
                "OwnerId": "732568457754",
                "PrivateDnsName": "ip-172-31-28-76.us-west-2.compute.internal",
                "PrivateIpAddress": "172.31.28.76",
                "PrivateIpAddresses": [
                    {
                        "Primary": true,
                        "PrivateDnsName": "ip-172-31-28-76.us-west-2.compute.internal",
                        "PrivateIpAddress": "172.31.28.76"
```



```
                    }
                ],
                "SourceDestCheck": true,
                "Status": "in-use",
                "SubnetId": "subnet-09a5809ed3e32b5ee",
                "VpcId": "vpc-0450fd5913e0189b1",
                "InterfaceType": "interface"
            }
        ],
        "RootDeviceName": "/dev/xvda",
        "RootDeviceType": "ebs",
        "SecurityGroups": [
            {
                "GroupName": "endyy",
                "GroupId": "sg-027dcd0aa73c31075"
            }
        ],
        "SourceDestCheck": true,
        "StateReason": {
            "Code": "pending",
            "Message": "pending"
        },
        "VirtualizationType": "hvm",
```

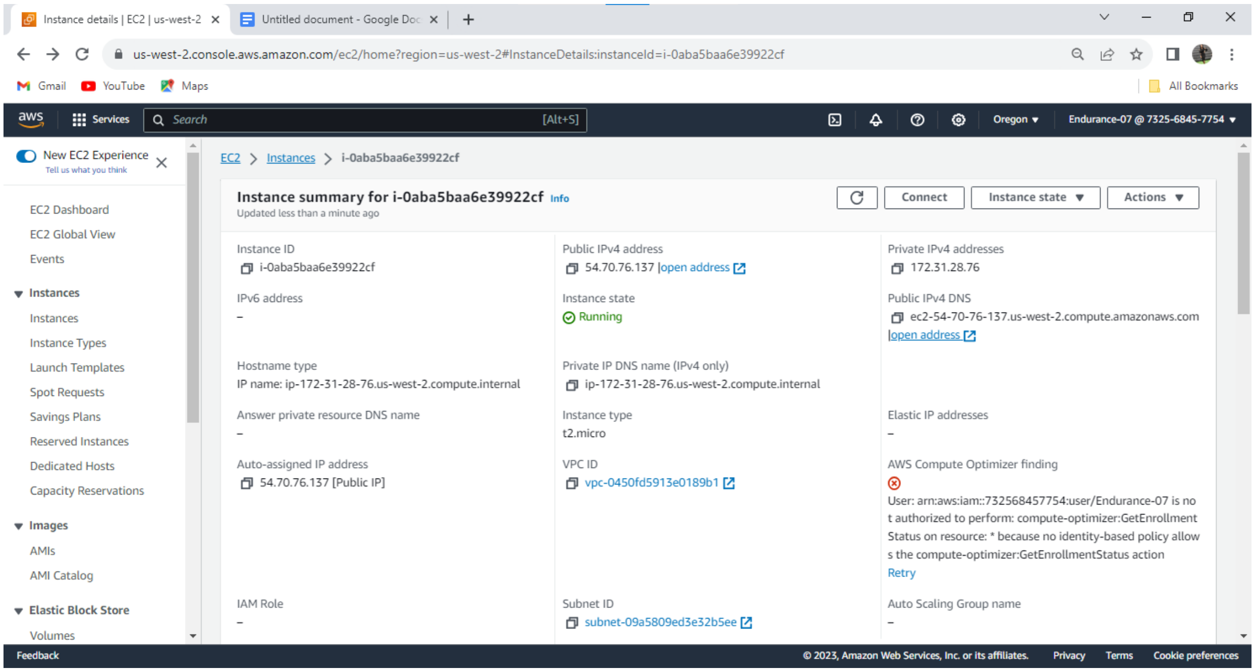


```
            },
            "MetadataOptions": {
                "State": "pending",
                "HttpTokens": "required",
                "HttpPutResponseHopLimit": 2,
                "HttpEndpoint": "enabled",
                "HttpProtocolIpv6": "disabled",
                "InstanceMetadataTags": "disabled"
            },
            "EnclaveOptions": {
                "Enabled": false
            },
            "BootMode": "uefi-preferred",
            "PrivateDnsNameOptions": {
                "HostnameType": "ip-name",
                "EnableResourceNameDnsARecord": false,
                "EnableResourceNameDnsAAAARecord": false
            },
            "MaintenanceOptions": {
                "AutoRecovery": "default"
            },
            "CurrentInstanceBootMode": "legacy-bios"
        }
```



```
            },
            "MaintenanceOptions": {
                "AutoRecovery": "default"
            },
            "CurrentInstanceBootMode": "legacy-bios"
        }
    ],
    "OwnerId": "732568457754",
    "ReservationId": "r-09bd2fb95734b411c"
}
```

Step6: A running Instance



Instance summary for i-0aba5baa6e39922cf Info

Updated less than a minute ago

Instance ID
i-0aba5baa6e39922cf

Public IPv4 address
54.70.76.137 |open address

Private IPv4 addresses
172.31.28.76

IPv6 address
–

Instance state
Running

Public IPv4 DNS
ec2-54-70-76-137.us-west-2.compute.amazonaws.com |open address

Hostname type
IP name: ip-172-31-28-76.us-west-2.compute.internal

Private IP DNS name (IPv4 only)
ip-172-31-28-76.us-west-2.compute.internal

Answer private resource DNS name
–

Instance type
t2.micro

Elastic IP addresses
–

Auto-assigned IP address
54.70.76.137 [Public IP]

VPC ID
vpc-0450fd5913e0189b1

AWS Compute Optimizer finding
User: arn:aws:iam::732568457754:user/Endurance-07 is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: * because no identity-based policy allows the compute-optimizer:GetEnrollmentStatus action
Retry

IAM Role
–

Subnet ID
subnet-09a5809ed3e32b5ee

Auto Scaling Group name
–