```
C:\Users\subramanya_sathwik>aws ec2 create-key-pair --key-name MyKeyPair
{
    "KeyFingerprint": "dc:c0:8b:e2:20:45:b4:cc:f0:dc:bb:ab:66:8f:f1:31:82:d1:0a:d8",
    "KeyMaterial": "-----BEGIN RSA PRIVATE KEY-----\nMIIEogIBAAKCAQEAm+V1GZS9ywaPrButZv5PJy4WTa/pTt16FAS9I1Dq7pVxuUVz\nJNuEQ3YExBbeMqb/fnwAL2wYmOycMbJOj1m7+
360yLzUkmGk+honWAV+TfCTdPbm\n29cryVxqkDekkBhRYBwf3atH3isq5RG6iRbk1cf3J6wZibGvu7IfL4goBclKL159\nObkWq7OVjn4bjVwD5s5nCExgKxRP3QPdLPWxvLB89dtwhTakuFbqX8oMRi+cY
zy/\nukSCUSs3O/LP6zHt6gpCC9I9pspvWOR0ms3ViX6uCWELTiEaHL7mtrZ1m1UM50Hy\nov7jFHDIBsJbxaImX4JtnIbaVBKxSr2i/A4URQIDAQABAoIBAHEa3QaeP8TZEcvQ\nmNIsl8jZSx06D49EaJm
1hnPk9U375vKATLXk/eTj7zlFThh5yMw/svK0/nOU1w3H\nS+/9LsGcgBVTyvYZGdTKvNjDw4tQi+tEZuIBDqedAPgExsQ0oHWWchgleJLbxtdD\nMY7cqVHhLpP97NlVrSYEaVPW+RKYfg82bGDYxAnDOD+
q7L6QHDUu+y33+u6eikws\nqYAX8/XdVh8ffecCMk4Dcwc6iG0Q1UCQUcuV4+lw4FlU0ddOoKhog77nFwO35uuo\nWAU6gBMlK2J6zB5B60EWhK3qvN3LuGq9ZuxnldZ+Q78s40MDAB/1wEtn+lkpy4P6\nw
fEQ0YECgYEA61JYLW0+DXS8CLkx40k2as5u0eIzNlnG4Z5QTNQMEcOtnfplo5+v\nLIgvrWw1NbOnx2Z/7mEerhEFtew6lxObb02FiuHULRGnJy6Vu5KEl3k1mxoUEjx9\nhlq0T33/vgcyg30Duu5aCQ/HA
V2Rr7WUW1+CA/gglj40EBFn/dW4ae0CgYEAqZho\nbrqDaKY0gHi00hG3qaZIGNXLab6O379MnLR59bLA3OQKrJQ1TVR/L6Czs4kGwOLz\nSp5jXExEYNg1lpwaQLjEe68zHpZkizAl09CaBHeWawp9Myru1
nt1OmYB4n90al5C\nWCUAf1GA6PBMjFywVK+j5F7QlJTTCij0cTSeqLkCgYBryc0QCcDpovXa+KP4yvk9\nfQ9SPjVdCORbRgvcFSjuHiZxfVd/Ck7P5BWKp0z8Ky2H3YBt7ViDPNLT0L/JobaJ\nn1gV8ZxK
sDjD1dpYpU+SeCWwvflOBQunwV63N15YEMgHGTsYdor3k9rAeBQENbevl\nqqrALLCogReR4Jc0oueUxQKBgEkbfPE2j40eEIXNAs2He6+zEWM7TitwTLChC0qF\nn9gj3HHJcD0njvbJvGUCTusNK71FYw93
HtzdDXTqOGVOqSRrbSz+x/4xQ8liZ0cSk\nKLCCSKIt7FiRSlHE+HzLGkbj8A6kQV8z3CoGHVbMt4LONejbqf+465sRKIQ5sV3X\nfAlpAoGAWN78z3yh6KCy8a5n5rlVxGuyglJ5TAEE9tnH+hAWBH1R+Kq
fj1R5W4Gm\nwjemadHH69VY9mrB2r7LyMew30UZf3rkUkBrTNAG0KnDRu4e1a8tl16eHsxbHs2F\nnyY1aXqI+PnsbDQcHwbNl/oAlM/f5MvLM1b4ToYr9zhkUp0xKm60=\n-----END RSA PRIVATE KEY-
----",
    "KeyName": "MyKeyPair",
    "KeyPairId": "key-00c6061a04a0a5469"
}
```

ami-0f58b397bc5c1f2e8

C:\Users\subramanya_sathwik>aws ec2 run-instances --image-id ami-0f58b397bc5c1f2e8 --key-name "MyKeyPair" --instance-type t2.micro --region ap-south-1

```
C:\Users\subramanya_sathwik>aws ec2 run-instances --image-id ami-0f58b397bc5c1f2e8 --key-name "MyKeyPair" --instance-type t2.micro --region ap-south-1
{
    "Groups": [],
    "Instances": [
        {
            "AmiLaunchIndex": 0,
            "ImageId": "ami-0f58b397bc5c1f2e8",
            "InstanceId": "i-07fa412651aa61e5c",
            "InstanceType": "t2.micro",
            "KeyName": "MyKeyPair",
            "LaunchTime": "2024-06-21T10:28:41+00:00",
            "Monitoring": {
                "State": "disabled"
            },
            "Placement": {
                "AvailabilityZone": "ap-south-1b",
                "GroupName": "",
                "Tenancy": "default"
            },
            "PrivateDnsName": "ip-172-31-9-134.ap-south-1.compute.internal",          "PrivateIpAddress": "172.31.9.134",
            "ProductCodes": [],
            "PublicDnsName": "",
            "State": {
                "Code": 0,
                "Name": "pending"
            },
            "StateTransitionReason": "",
            "SubnetId": "subnet-0aea2c361c2f159d3",
            "VpcId": "vpc-0ffde76bd5cf379b8",
            "Architecture": "x86_64",
            "BlockDeviceMappings": [],
            "ClientToken": "65cc5485-172a-4c24-89c6-45b283cb0da8",
            "EbsOptimized": false,
            "EnaSupport": true,
            "Hypervisor": "xen",
            "NetworkInterfaces": [
                {
                    "Attachment": {
                        "AttachTime": "2024-06-21T10:28:41+00:00",
                        "AttachmentId": "eni-attach-022f076b95be2c1e7",
```

C:\Users\subramanya_sathwik>aws ec2 describe-instances

```
Command Prompt                                                                    —  □  ✕

C:\Users\subramanya_sathwik>
C:\Users\subramanya_sathwik>aws ec2 describe-instances
{
    "Reservations": [
        {
            "Groups": [],
            "Instances": [
                {
                    "AmiLaunchIndex": 0,
                    "ImageId": "ami-0f58b397bc5c1f2e8",
                    "InstanceId": "i-07fa412651aa61e5c",
                    "InstanceType": "t2.micro",
                    "KeyName": "MyKeyPair",
                    "LaunchTime": "2024-06-21T10:28:41+00:00",
                    "Monitoring": {
                        "State": "disabled"
                    },
                    "Placement": {
                        "AvailabilityZone": "ap-south-1b",
                        "GroupName": "",
                        "Tenancy": "default"
                    },
                    "PrivateDnsName": "ip-172-31-9-134.ap-south-1.compute.internal",
                    "PrivateIpAddress": "172.31.9.134",
                    "ProductCodes": [],
                    "PublicDnsName": "ec2-13-234-75-76.ap-south-1.compute.amazonaws.com",
                    "PublicIpAddress": "13.234.75.76",
                    "State": {
                        "Code": 16,
                        "Name": "running"
                    },
                    "StateTransitionReason": "",
                    "SubnetId": "subnet-0aea2c361c2f159d3",
                    "VpcId": "vpc-0ffde76bd5cf379b8",
                    "Architecture": "x86_64",
                    "BlockDeviceMappings": [
                        {
                            "DeviceName": "/dev/sda1",
                            "Ebs": {
                                "AttachTime": "2024-06-21T10:28:42+00:00",
                                "DeleteOnTermination": true,
```

INSTANCE_ID="i-xxxxxxxxxxxx"

NEW_INSTANCE_TYPE="t2.large"

Stop the Instance

aws ec2 stop-instances --instance-ids $INSTANCE_ID

Wait for the instance to stop

aws ec2 wait instance-stopped --instance-ids $INSTANCE_ID

Change the Instance Type

aws ec2 modify-instance-attribute --instance-id $INSTANCE_ID --instance-type $NEW_INSTANCE_TYPE
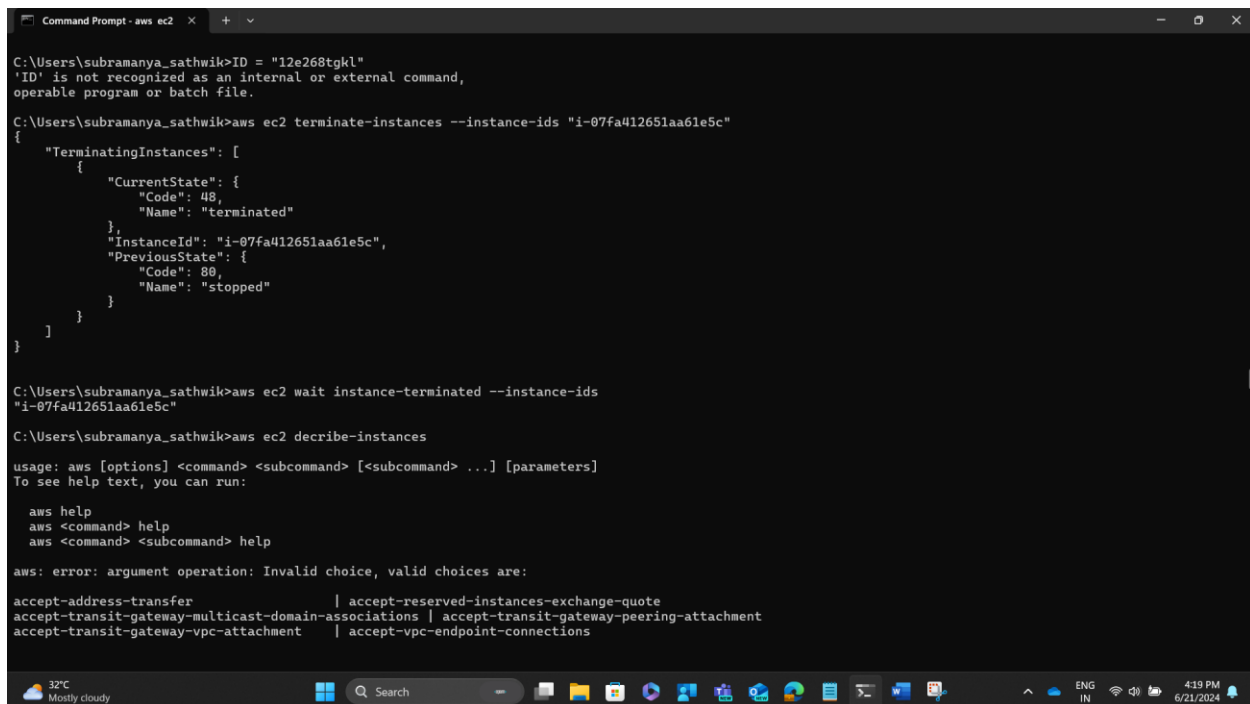
Start the Instance

aws ec2 start-instances --instance-ids $INSTANCE_ID

Get Instance Information

aws ec2 describe-instances --instance-ids $INSTANCE_ID --query
"Reservations[*].Instances[*].[InstanceId,InstanceType,State.Name]" --output table

C:\Users\subramanya_sathwik>aws ec2 terminate-instances --instance-ids "i-07fa412651aa61e5c"

C:\Users\subramanya_sathwik>aws ec2 wait instance-terminated --instance-ids "i-07fa412651aa61e5c"

```
C:\Users\subramanya_sathwik>aws ec2 describe-instances
{
    "Reservations": [
        {
            "Groups": [],
            "Instances": [
                {
                    "AmiLaunchIndex": 0,
                    "ImageId": "ami-0f58b397bc5c1f2e8",
                    "InstanceId": "i-07fa412651aa61e5c",
                    "InstanceType": "t2.micro",
                    "KeyName": "MyKeyPair",
                    "LaunchTime": "2024-06-21T10:28:41+00:00",
                    "Monitoring": {
                        "State": "disabled"
                    },
                    "Placement": {
                        "AvailabilityZone": "ap-south-1b",
                        "GroupName": "",
                        "Tenancy": "default"
                    },
                    "PrivateDnsName": "",
                    "ProductCodes": [],
                    "PublicDnsName": "",
                    "State": {
                        "Code": 48,
                        "Name": "terminated"
                    },
                    "StateTransitionReason": "User initiated (2024-06-21 10:34:51 GMT)",
                    "Architecture": "x86_64",
                    "BlockDeviceMappings": [],
                    "ClientToken": "65cc5485-172a-4c24-89c6-45b283cb0da8",
                    "EbsOptimized": false,
                    "EnaSupport": true,
                    "Hypervisor": "xen",
                    "NetworkInterfaces": [],
                    "RootDeviceName": "/dev/sda1",
                    "RootDeviceType": "ebs",
                    "SecurityGroups": [],
                    "StateReason": {
-- More  --
```

C:\Users\subramanya_sathwik>aws ec2 create-tags --resources "i-07fa412651aa61e5c" --tags Key=Name,Value="CLI"