

Launch an Ec2 using CLI

Launch an ec2 instance by typing the command in cli. The requirements for launching instance are AMI, Instance-type, Key pairs, security groups and Subnets.

```
C:\Users\rohan>aws ec2 run-instances --image-id ami-0005e0cfe09cc9050 --count 1 --i
instance-type t2.micro --key-name aws_key --security-group-ids sg-07079c99b04f3e04e
--subnet-id subnet-0479c9a620838327a
```

```
{
  "Groups": [],
  "Instances": [
    {
      "AmiLaunchIndex": 0,
      "ImageId": "ami-0005e0cfe09cc9050",
      "InstanceId": "i-09e89aef43dab4298",
      "InstanceType": "t2.micro",
      "KeyName": "aws_key",
      "LaunchTime": "2024-01-18T12:49:12+00:00",
      "Monitoring": {
        "State": "disabled"
      },
      "Placement": {
        "AvailabilityZone": "us-east-1e",
        "GroupName": "",
        "Tenancy": "default"
      },
      "PrivateDnsName": "ip-172-31-59-113.ec2.internal",
      "PrivateIpAddress": "172.31.59.113",
      "ProductCodes": [],
      "PublicDnsName": "ec2-52-3-243-44.compute-1.amazonaws.com",
      "PublicIpAddress": "52.3.243.44",
      "State": {
        "Code": 16,
        "Name": "running"
      },
      "StateTransitionReason": "",
      "SubnetId": "subnet-0479c9a620838327a",
      "VpcId": "vpc-0c385cdb1841ace44",
      "Architecture": "x86_64",
      "BlockDeviceMappings": [
        {
          "DeviceName": "/dev/xvda",
          "Ebs": {
            "AttachTime": "2024-01-18T12:49:12+00:00",
            "DeleteOnTermination": true,
            "Status": "attached",
            "VolumeId": "vol-09c3911ca676d31c8"
          }
        }
      ]
    }
  ]
}
```

Connect to EC2 instance using ssh

```
C:\Users\rohan\Downloads>ssh -i aws_key.pem ec2-user@52.3.243.44
```

```
#_
~\_ #####_      Amazon Linux 2023
~~ \_#####\
~~ \_####|
~~ \#/
~~ V~' '-> https://aws.amazon.com/linux/amazon-linux-2023
    ~~~
    ~~._._. _/_
        _/_ _/_
        _/m/'
```

```
[ec2-user@ip-172-31-59-113 ~]$
```

Terminate instance

```
C:\Users\rohan\Downloads>aws ec2 terminate-instances --instance-ids i-09e89aef43dab4298
{
  "TerminatingInstances": [
    {
      "CurrentState": {
        "Code": 32,
        "Name": "shutting-down"
      },
      "InstanceId": "i-09e89aef43dab4298",
      "PreviousState": {
        "Code": 16,
        "Name": "running"
      }
    }
  ]
}
```