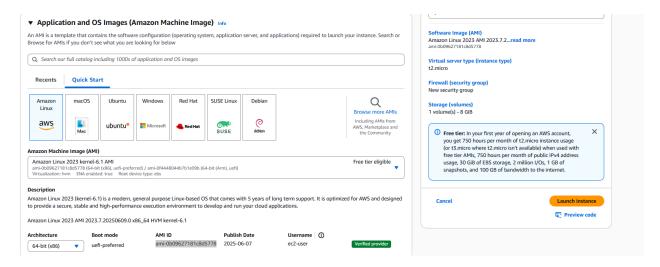
Use case

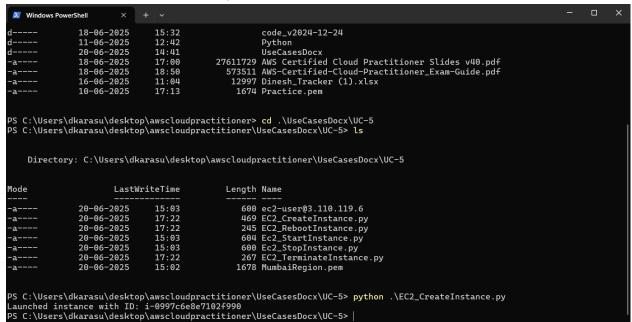
Launch and manage EC2 instances using Python scripts

1. Get the base AMI from AWS console (Here, using Amazon Linux AMI) with id ami-0b09627181c8d5778

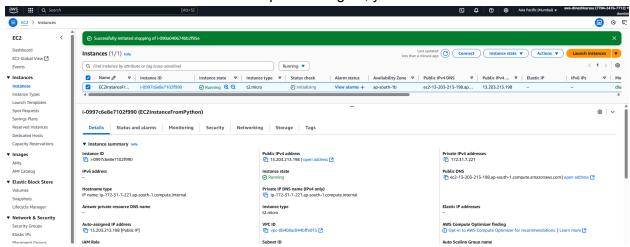


2. Import boto3 module and use built action create_instances() by providing proper values to the arguments

3. Launch the Instance with python code from AWS CLI as below



4. A new instance is created in the specified region, you can see the launched instance ID

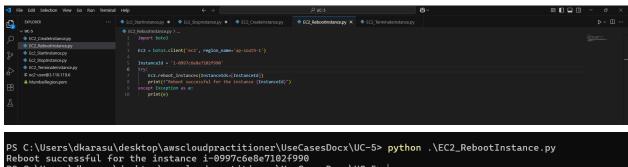


Similarly, We can reboot/Start/Stop/Terminate the instances by running the following code



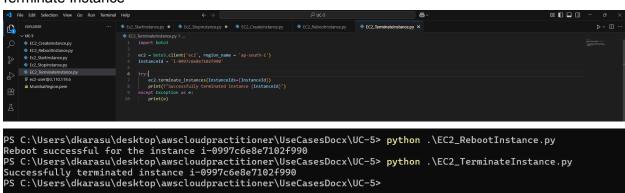
```
instance_id = 'i-0997c6e8e7102f990'
def stop_instance(instance_id):
  print(f"Stopping instance {instance_id}...")
  ec2.stop_instances(InstanceIds=[instance_id])
  print("Stop request sent.")
        f get_instance_status(instance_id):
  response = e2.describe_instances(instanceIds+[instance_id])
  state = response[fesservations | [9]['instances'][9]['State']['Name']
  print(''Instance (Instance_id) is currently: (state)')
  return state
```

Reboot Instance



PS C:\Users\dkarasu\desktop\awscloudpractitioner\UseCasesDocx\UC-5> python .\EC2_RebootInstance.py Reboot successful for the instance i-0997c6e8e7102f990 PS C:\Users\dkarasu\desktop\awscloudpractitioner\UseCasesDocx\UC-5> |

Terminate Instance



④ Shutting-d... ● € t2.micro EC2InstanceFr... i-0997c6e8e7102f990