Create EC2 instance using Python:

import boto3

ec2 = boto3.resource('ec2')

instance = ec2.create\_instances(

ImageId = 'ami-009d6802948d06e52',

MinCount = 1,

MaxCount = 1,

InstanceType = 't2.micro',

KeyName = 'nabarupa',

SubnetId = 'subnet-0yhg678990d56c277')

print (instance[0].id)

# awsutils

import boto3

def get\_session(region):

return boto3.session.Session(region\_name=region)

>>> import awsutils >>> session = awsutils.get\_session('us-east-1') >>> client = session.client('ec2')

>>> import pprint >>> pprint.pprint(client.describe\_instances())

>>> instance\_id = demo['Reservations'][0]['Instances'][0]['InstanceId']

>>> instance\_id 'i-0c462c48bc396bdbb'

>>> pprint.pprint(client.stop\_instances(InstanceIds=[instance\_id]))

{'ResponseMetadata': {'HTTPHeaders': {'content-length': '579', 'content-type': 'text/xml;charset=UTF-8', 'date': 'Sat, 22 Dec 2018 19:26:30 GMT', 'server': 'AmazonEC2'}, 'HTTPStatusCode': 200, 'RequestId': 'e04a4a64-74e4-442f-8293-261f2ca9433d', 'RetryAttempts': 0}, 'StoppingInstances': [{'CurrentState': {'Code': 64, 'Name': 'stopping'}, 'InstanceId': 'i-0c462c48bc396bdbb', 'PreviousState': {'Code': 16, 'Name': 'running'}}]

>>> pprint.pprint(client.start\_instances(InstanceIds=[instance\_id]))

{'ResponseMetadata': {'HTTPHeaders': {'content-length': '579', 'content-type': 'text/xml;charset=UTF-8', 'date': 'Sat, 22 Dec 2018 19:37:02 GMT', 'server': 'AmazonEC2'}, 'HTTPStatusCode': 200, 'RequestId': '21c65902-6665-4137-9023-43ac89f731d9', 'RetryAttempts': 0}, 'StartingInstances': [{'CurrentState': {'Code': 0, 'Name': 'pending'}, 'InstanceId': 'i-0c462c48bc396bdbb', 'PreviousState': {'Code': 80, 'Name': 'stopped'}}]}