AWS with python

**Creating with bucket.**

import boto3

s3=boto3.resource(“s3”)

s3.create\_bucket(Bucket=“packet-pub”)

**uploading files to S3.**

Import boto3

s3=boto3.resource(“s3”)

file\_handle=open(“/home/packet-pub/test.txt”,”r”)

s3.Bucket(“packet-pub”).put\_object(Key=“test.txt”, Body=file\_handle)

**with upload\_file()**

import boto3

s3=boto3.resource(“s3”)

s3.Bucket(“mybucket”).upload\_file(“/tmp/test.txt”,”s3.txt”)(

**Listing s3 buckets**

Import boto3

s3=boto3.resource(“s3”)

for each in s3.buckets.all():

print(each)

**downloading files from S3**

import boto3

s3=boto3.resource(“s3”)

s.Bucket(“packt-pub”).download\_file(“test.txt”, “/tmp/hello.txt”)

**deleting objects from a bucket**

import boto3

s3=boto3.recource(“s3”)

bucket=s3.Bucket(“packt-pub”)

bucket.delete\_objects(Delete={“Objects”:[

{ “Key”: “tets.txt”,

},

],

“Quiete”:true

})

**Deleting a bucket**

Import boto3

S3=boto3.resource(“s3”)

Bucket=s3.Bucket(“packt-pub”)

Response=bucket.delete()

**Python with EC2**

**Launching ec2**

Import boto3

ec2=boto3.resource(“ec2”)

Instance=ec2.create\_instances(

ImageId=”ami-xxxxx”,

MinCount=1,

MaxCount=1,

KeyName==”access”

InstanceType=”t1.micro”)

Print instance[0].id

**Listing ec2 instances**

Import boto3

ec2=boto3.resource(“ec2”)

for instance in ec2.instances.all():

print instance.id, instance.state();

**Terminating an EC2 instances**

Import boto3

ec2=boto3.resource(“ec2”)

instance= ec2.Instance(“i-xxxxxxxx”)

response=instance.terminate()

print response

**Amazon RDS with python**

Import botto3

Rds=boto3.client(“rds”)

Try:

Response=rds.create\_db\_instance{

DBInstanceIdentifier=”packtpub”

Masterusername=”dbadmin”

MasterUserPassword=”password”

DBInstanceClass=”db.t2.micro”

Engine=”mysql”

AllocatedStorage=5 }

Print response

Except Exception as error:

Print error

**Listing Database instances**

**Import boto3**

**Rds=boto3.client(“rds”)**

**Try:**

**Dbs=rds.describe\_db\_instances()**

**For db in dbs[“DBInstances”]:**

**Print(“MAsterUser : %s Endpoint : %s:%s Status:%s”) % (**

**db[“masterUrname”]**

**db[“Endpoint”][“Address”],**

**db[“Endpoint”][“Port”]**

**db[“DbInstanceStatus”])**

**except Exception as error:**

**print error**

**Amazon SNS application:**

**Creation SNS topic.**

Import boto3

sns\_client=boto3.client(

“sns”,

Aws\_access\_key\_id=””

Aws\_secret\_access\_key=””

Region\_name=us-east-1

)

Sns\_topic=sns\_client.create\_topic(name=“packet-pub”)

Topic\_arn=sns\_topic[“TopicArn”]

**Subscribing to a topic.**

sns\_client.subscriebe(

TopicArn=topic\_arn,

Protocol=”email”,

Endpoint=[manoj.hirway@packtub.com](mailto:manoj.hirway@packtub.com)

recipient

)

**Publishing a message**

**Sns\_client.publish(Message=”Welcome”,**

**TopicArn=topic\_arn)**

**Deleting topic**

**Response=sns\_client.delete\_topic(**

**TopicArn=topic\_arn**

**)**

**SQS application.**

**Creating SQS queue**

**Import boto3**

**Sqs\_object=boto3.client(“sqs”)**

**Response=sqs\_object.create\_queue(**

**QueueName=”sdsdss”**

**)**

**Queue\_url=response[“QueueUrl”]**