AWS

Task 2 – Using the CLI (Command Line interface)

1) Install AWS Command line interface
   AWSCLI64.msi

2) Confirm successful installation version

```
C:\Users\Administrator>aws --version
aws-cli/1.11.95 Python/2.7.9 Windows/7 botocore/1.5.58
```

3) Configuring AWS using command line interface

```
C:\Users\Administrator>aws configure
AWS Access Key ID [None]: AKIAJ2RR5GDQ57WO5XUQ
AWS Secret Access Key [None]: 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
Default region name [None]: eu-west-2
Default output format [None]: json
```

Creating a security group, key pair, and role

Creating a new security group and add a rule that allows incoming traffic over port 22 for SSH

4) aws ec2 create-security-group --group-name securitygrouplh-sg --description "security group for development environment in EC2"

```
C:\Users\Administrator>aws ec2 create-security-group --group-name securitygroupl
h-sg --description "security group for development environment in EC2"
{
    "GroupId": "sg-83adc0ea"
}
```

aws ec2 authorize-security-group-ingress --group-name securitygrouplh-sg --protocol tcp --port 22 --cidr 0.0.0.0/0

5) Creating key pair that allows you to connect to the instance.

```
C:\Users\Administrator>aws ec2 create-key-pair --key-name devenv-key --query "Ke
yMaterial" --output text > devenv-key.pem
```

aws ec2 create-key-pair --key-name louy-key --query "KeyMaterial" --output text > louy-key.pem

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6) Launch and connect to the instance:

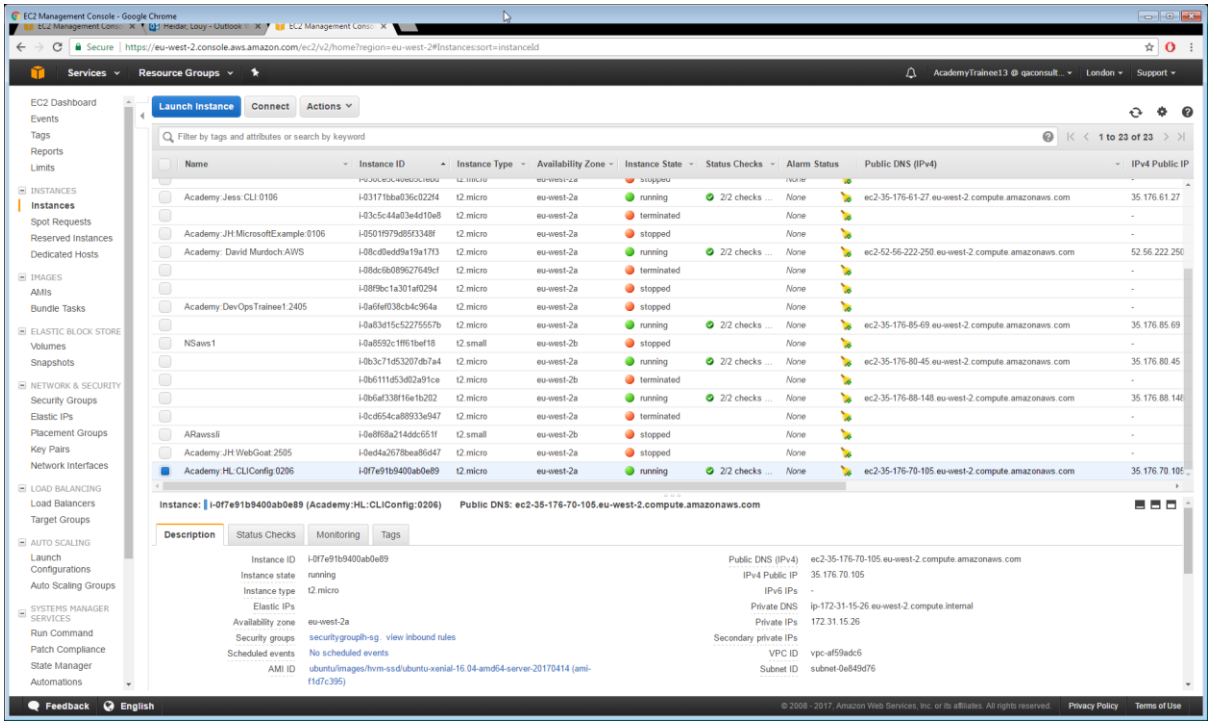
aws ec2 run-instances --image-id ami-f1d7c395 --security-group-ids sg-83adc0ea --count 1 --instance-type t2.micro --key-name louy-key --query 'Instances[0].InstanceId'

"i-ec3e1e2k"

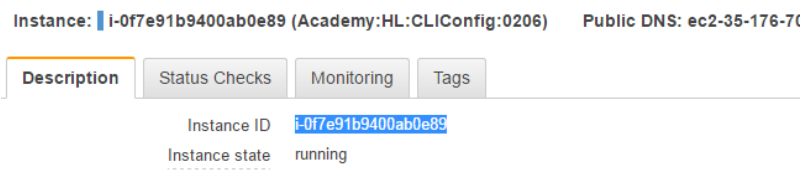
Notes:

Image ID ami-f1d7c395 specifies the Amazon Machine Image (AMI) that Amazon EC2 uses to bootstrap the instance.

Instance launched and running below:



Associated Instance ID:



Command will retrieve the public IP address that you will use to connect to the instance.

```
C:\Users\Administrator>aws ec2 describe-instances --instance-ids i-0f7e91b9400ab
0e89 --query "Reservations[0].Instances[0].PublicIpAddress"
"35.176.70.105"
```

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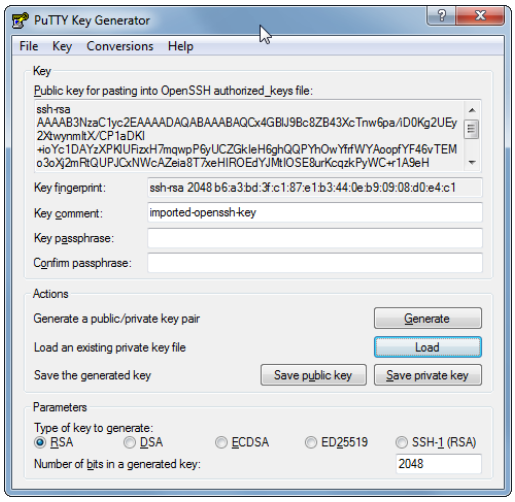
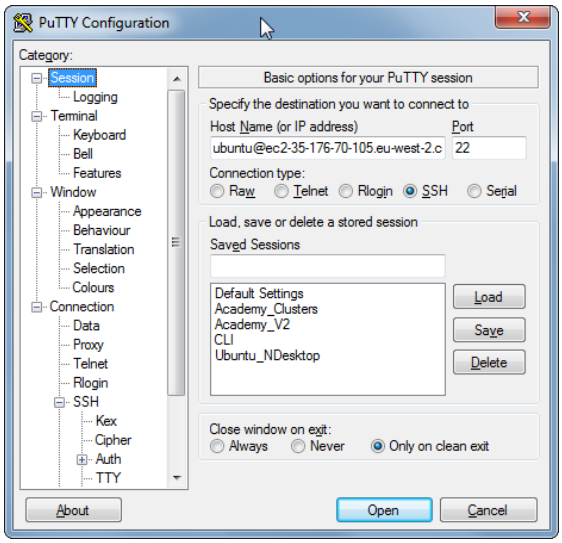
SSH on Windows:

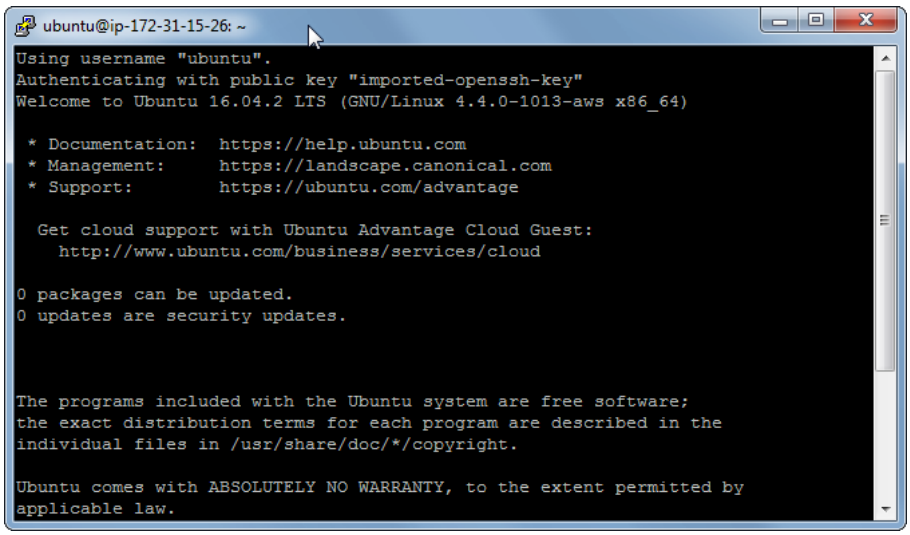
1) Load ‘louy-key.pek’ key to generate the private key



2) Configure the connection properties within putty which include adding to newly generated private key



3) Successful connection to instance after correct configuration



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Task 3 – Using Amazon S3

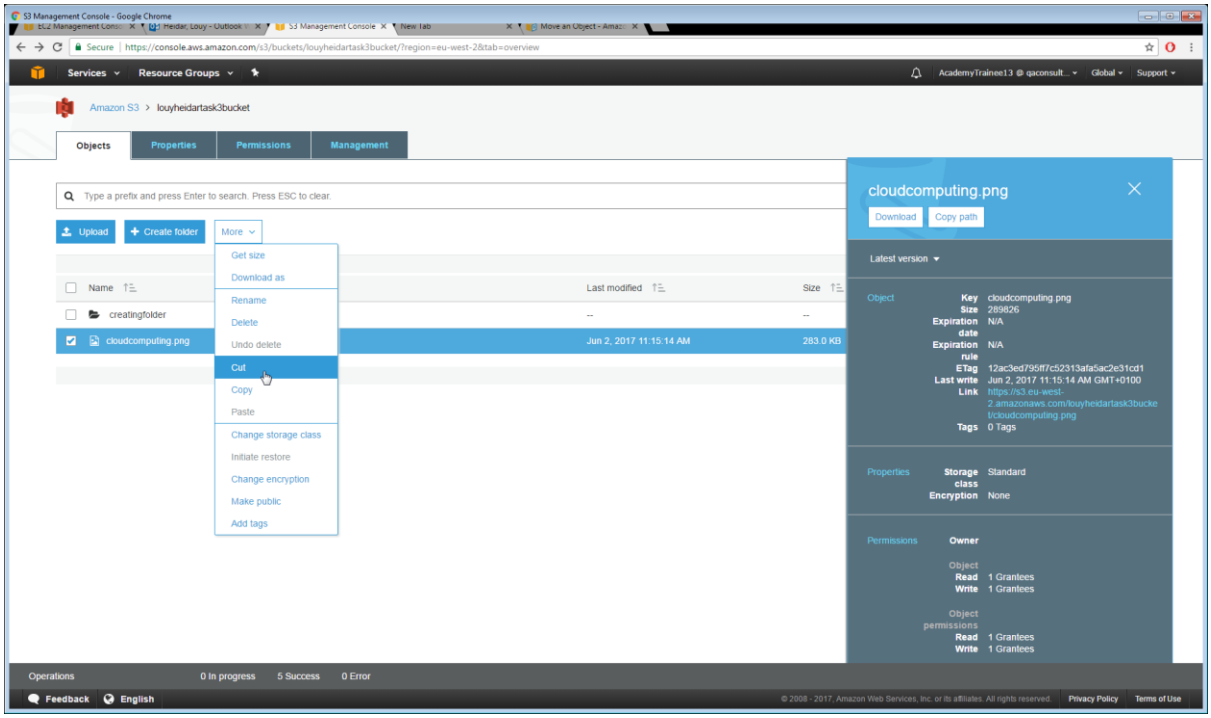
Adding objects to your bucket:

1) Following set instruction to create and configure bucket (QACDEVPUP_AM_Exercise_Workbook.docx)

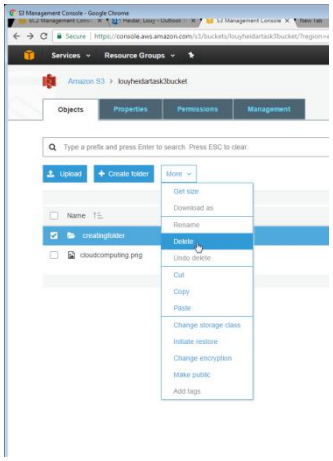
2) Upload image

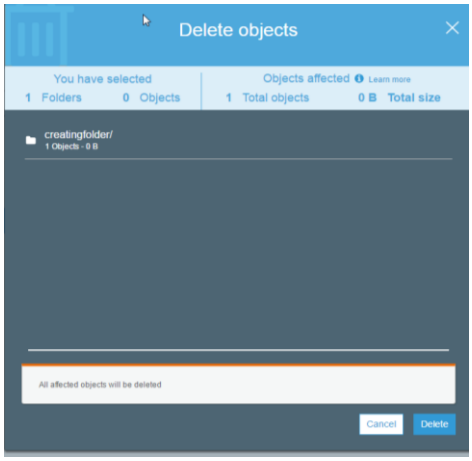
3) Moving your objects:

Select Image > Click ‘Cut’ > Click/Enter inside folder location > Click Paste
Note: You have to enter folder location to move item



4) Deleting Folder: Select Folder > Click Delete > Confirmation window will appear > Click Delete to accept changes





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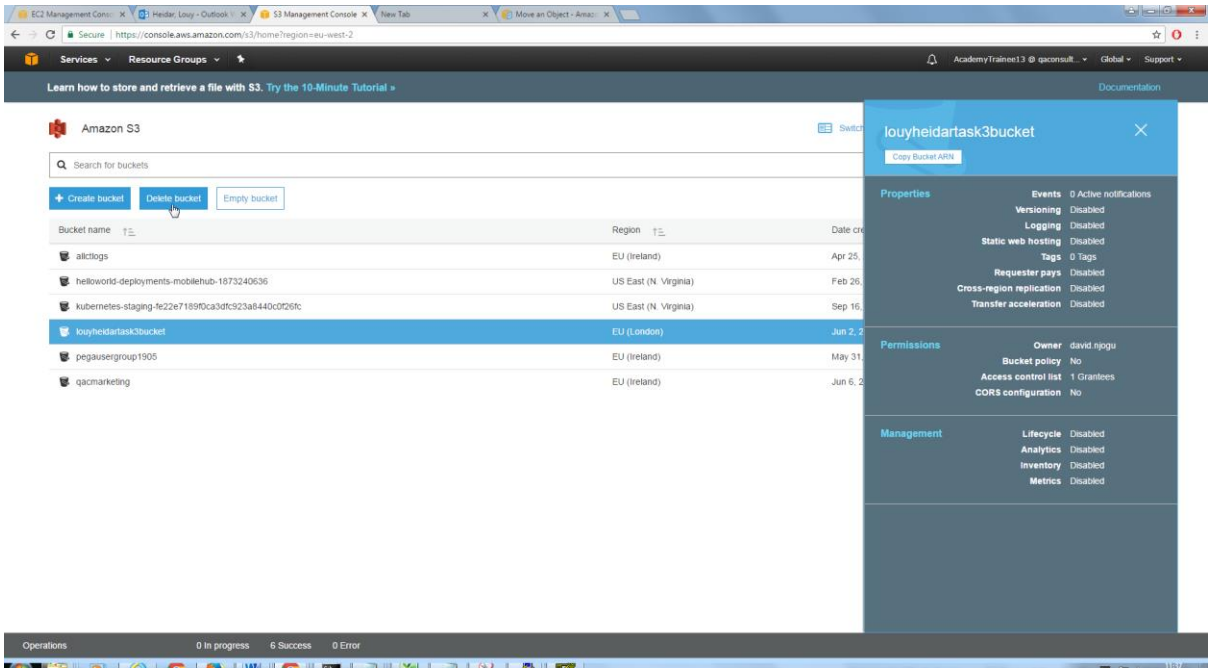
5) Deleting a bucket using AWS Management Console



Note: bucket content has to deleted to delete bucket via AWS Console
Command line can be used to remove folder and all files recursively e.g

AWS::S3::Bucket.delete('your_bucket', :force => true)