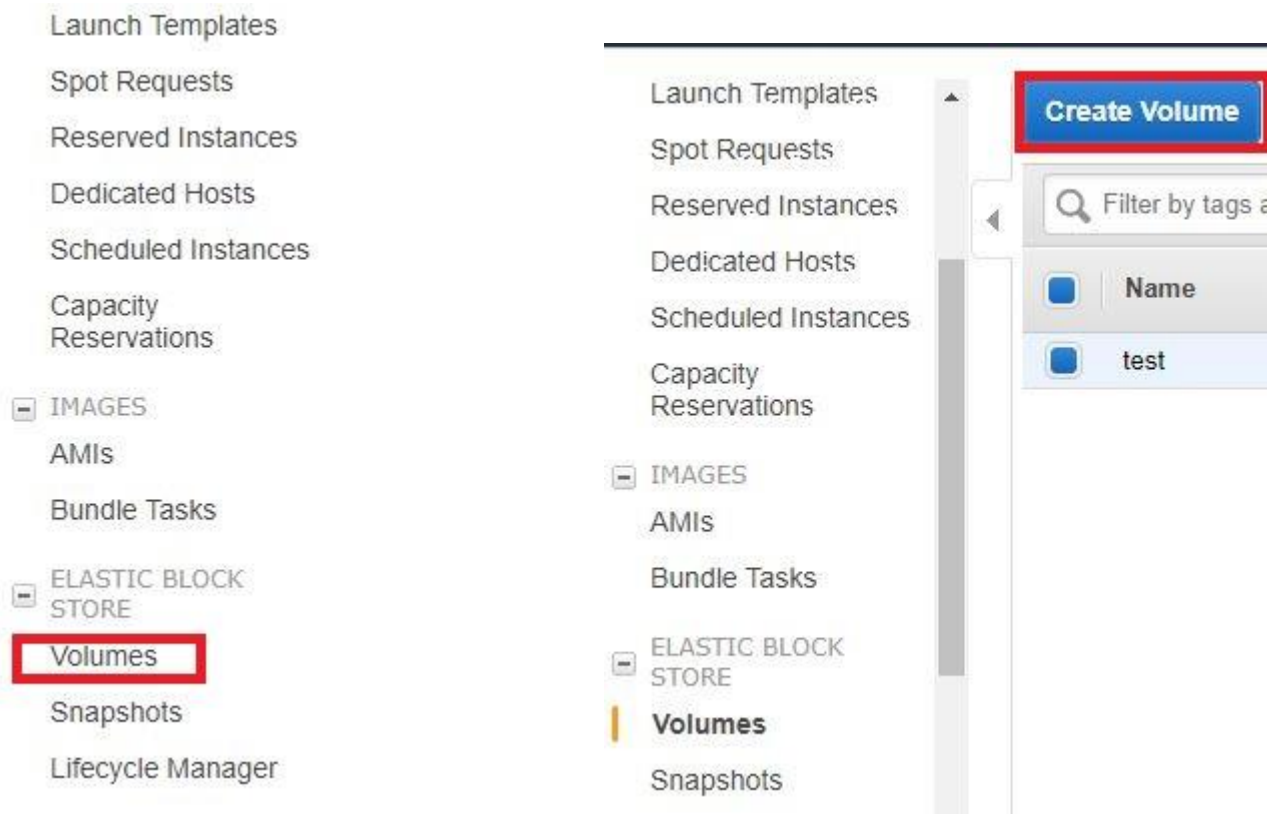


## LAB-5-ELASTIC BLOCK STORAGE

---

EBS is a external volume we can attach this to EC2 instance for additional volume.

Step 1 : Go to **EC2** services click **volume** in left side and click **create volume**.



Step 2 : Create the volume by providing the details.

Select volume type

Select volume size

Available Zone should match the instance you going to attach.

Do encryption if you required.

You will get a key after encryption you need to give that while doing decryption.

Create Volume

Volume Type

General Purpose SSD (gp2)

1 Select Volume Type

Size (GiB)

100

(Min: 1 GiB, Max: 16384 GiB)

2 select volume size

IOPS

300 / 3000

(Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS)

Availability Zone\*

us-east-1a

Select zone this zone should match with instance you are going to launch

Throughput (MB/s)

Not applicable

Snapshot ID

Select a snapshot

Encryption

☒ Encrypt this volume

Do Encryption if required

Master Key

(default) aws/ebs

KMS Key Description

Default master key that protects my EBS volumes when no other key is defined

KMS Key Account

This account (143970739836)

KMS Key ID

alias/aws/ebs

KMS Key ARN

arn:aws:kms:us-east-1:143970739836:key/024c4a69-027a-4b8f-b7b5-5763acbb9789

Encryption

Step 3: Give Naming Tags and Click **Create Volume**

Key

(127 characters maximum)

Value

(255 characters maximum)

Name

test

Add Tag

49 remaining

(Up to 50 tags maximum)

\* Required

Cancel

Create Volume

Volumes > Create Volume

Create Volume

Volume created successfully

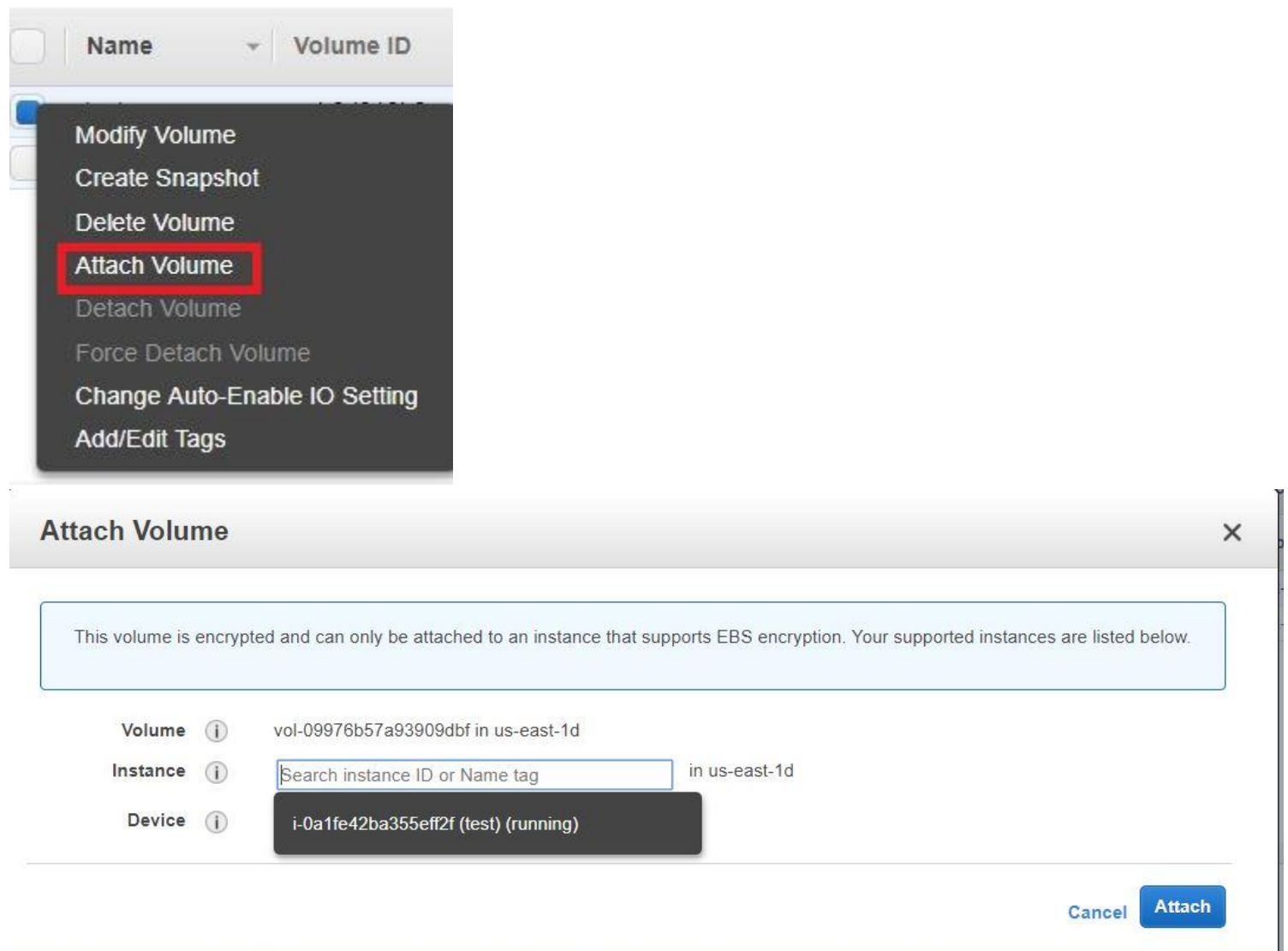
Volume ID

vol-0d310b82c2ddd107c

Close

Step 4: Attach the volume to the particular instance (Instance will be loaded automatically)

Right click the volume created and attach

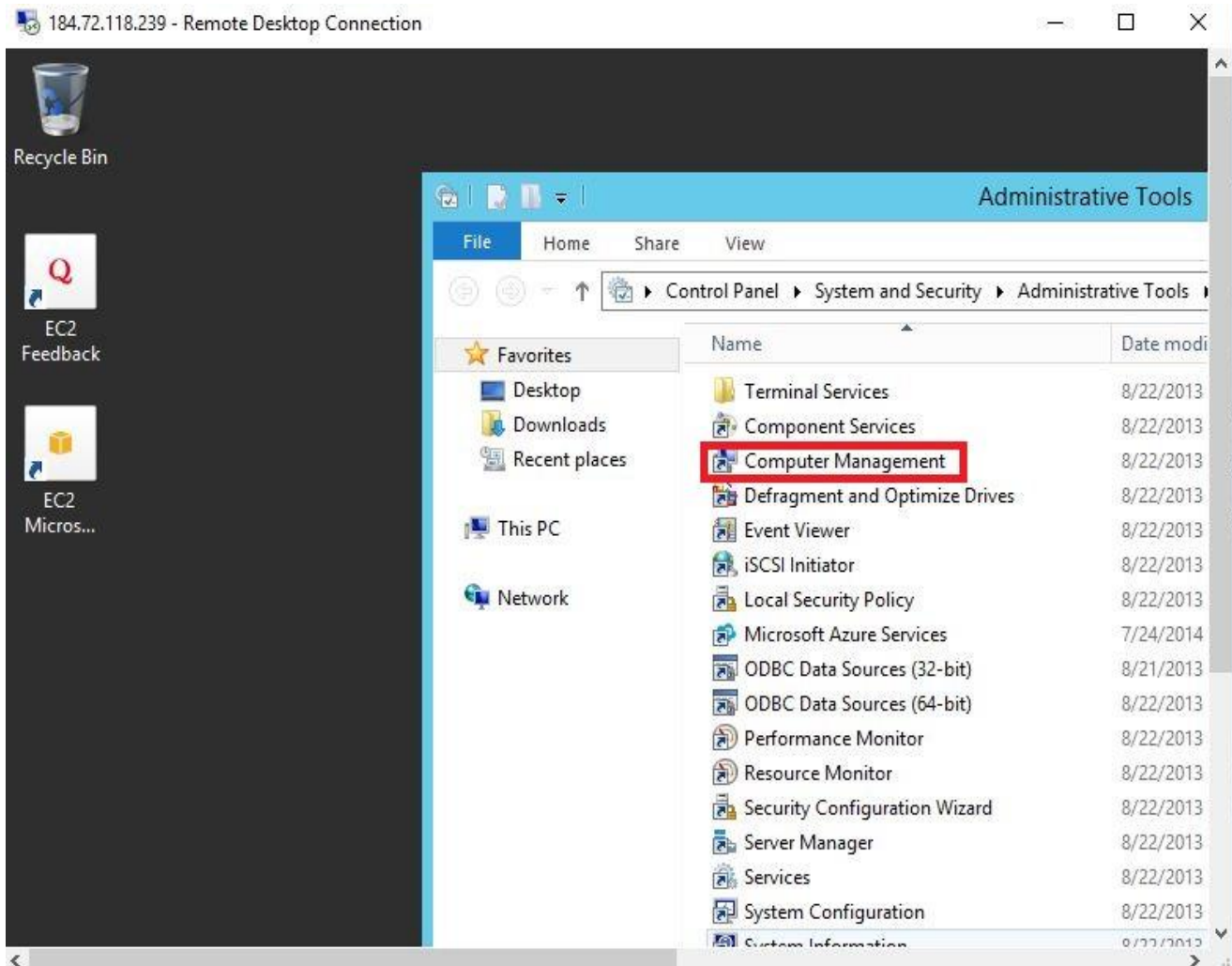
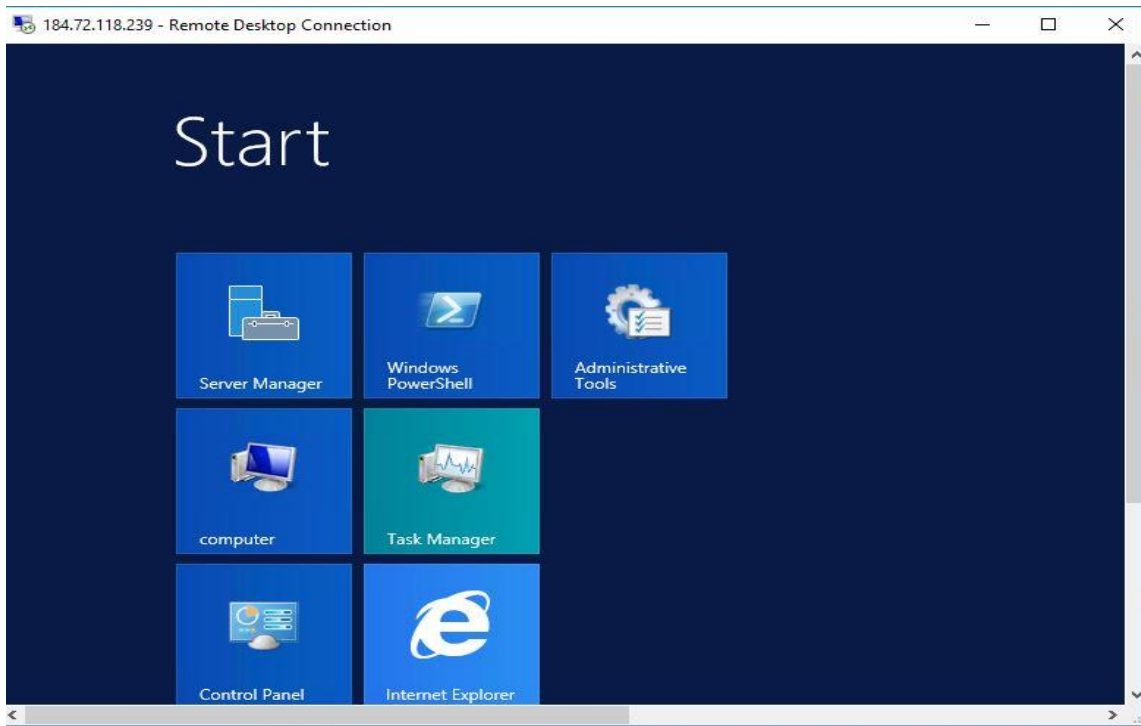


Step 5 Log in to instance and attach the volume.

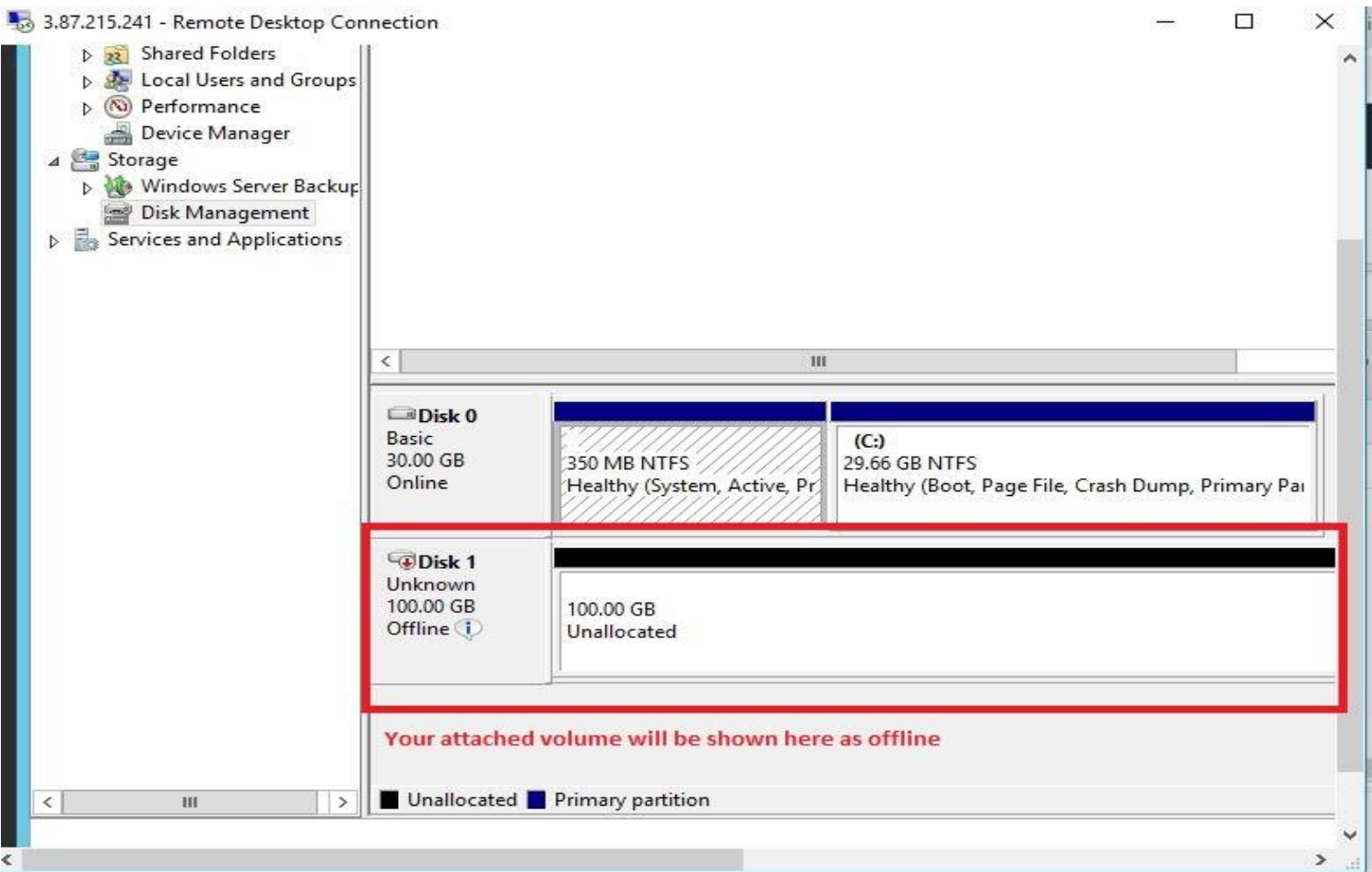
[ Done steps for Windows instance here]

Log in server and go to

Administrative tools > computer management > disk management

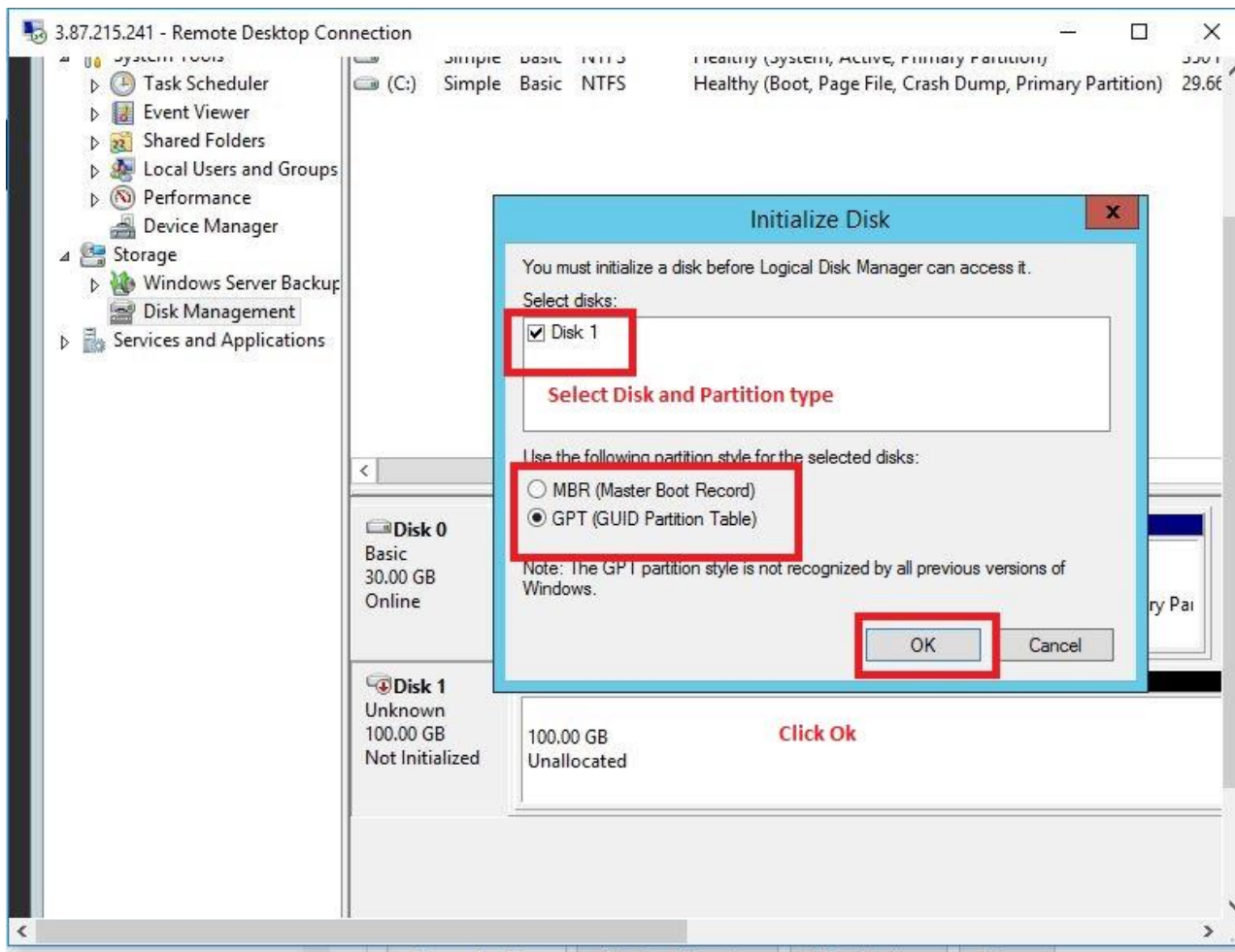


You will see the disk in offline



Make it Online and Initialize the disk

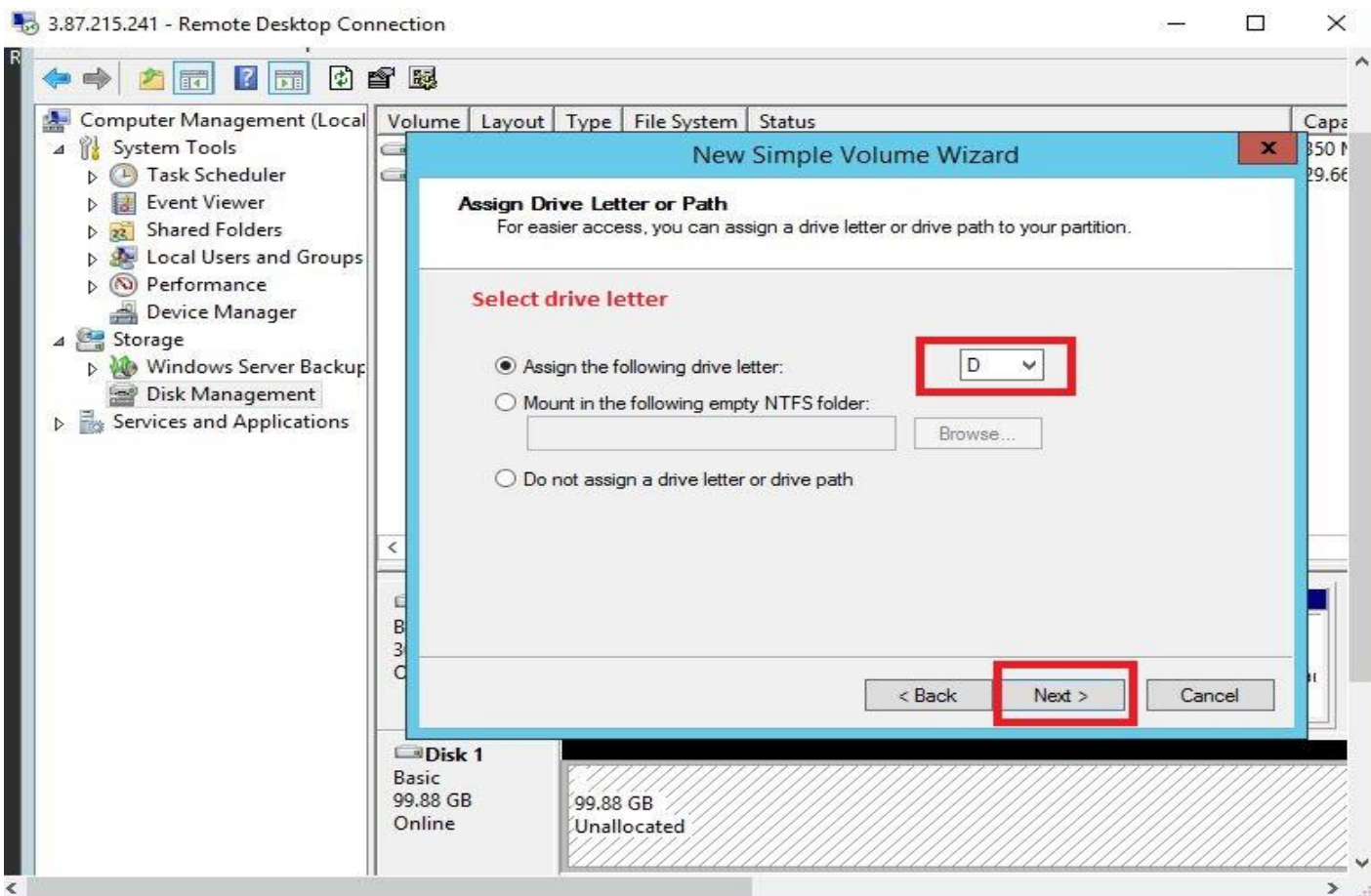
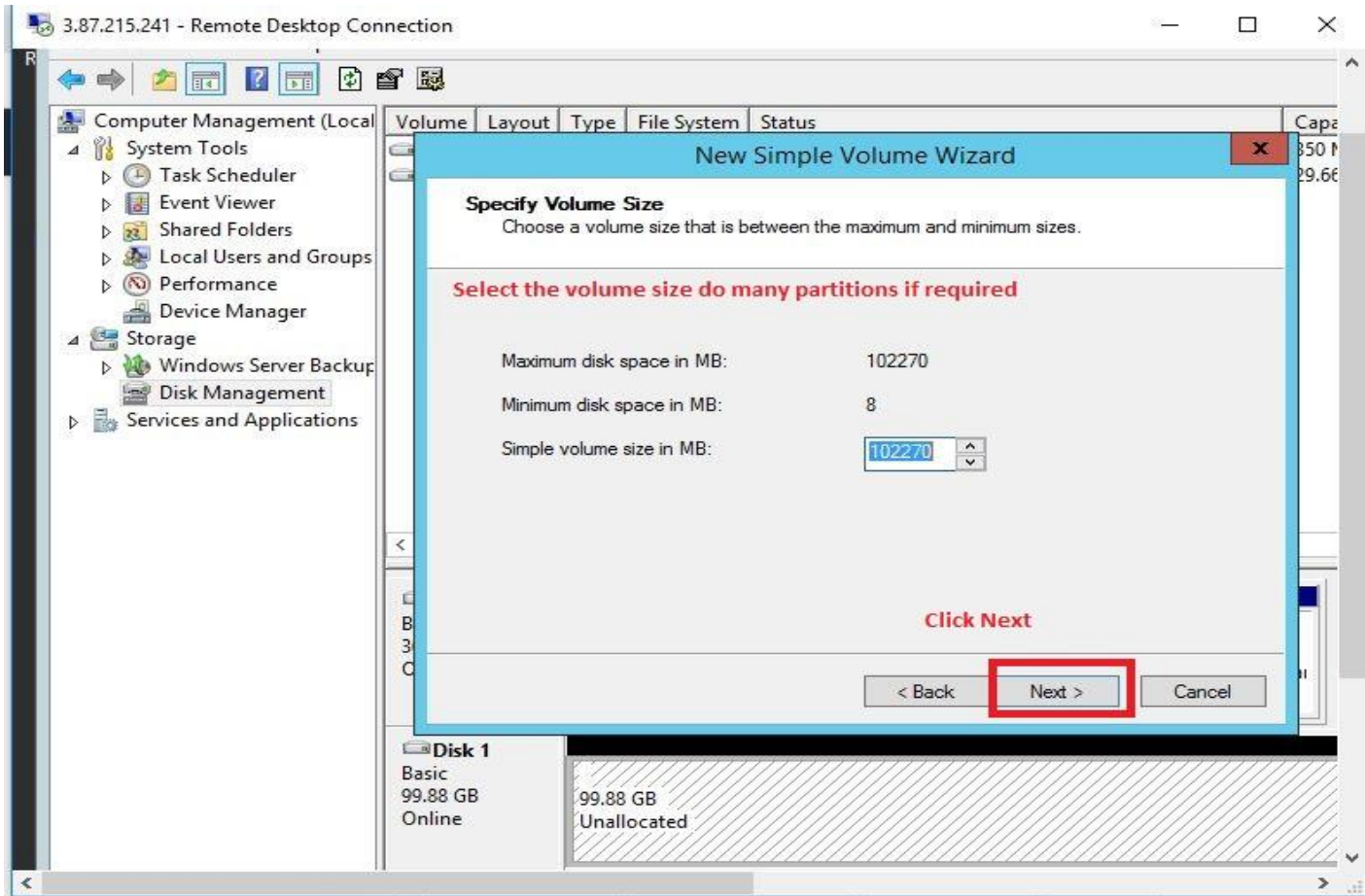


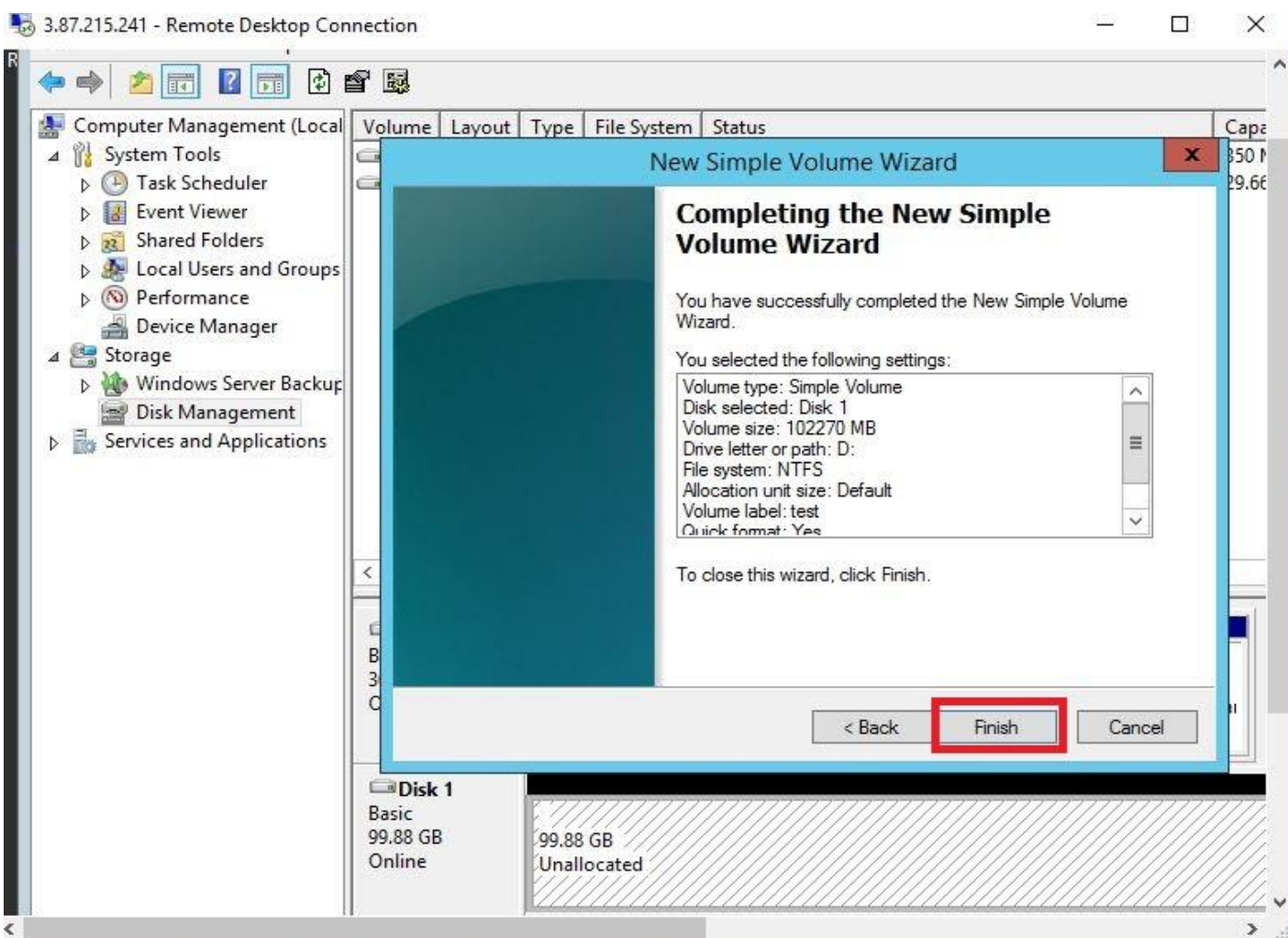
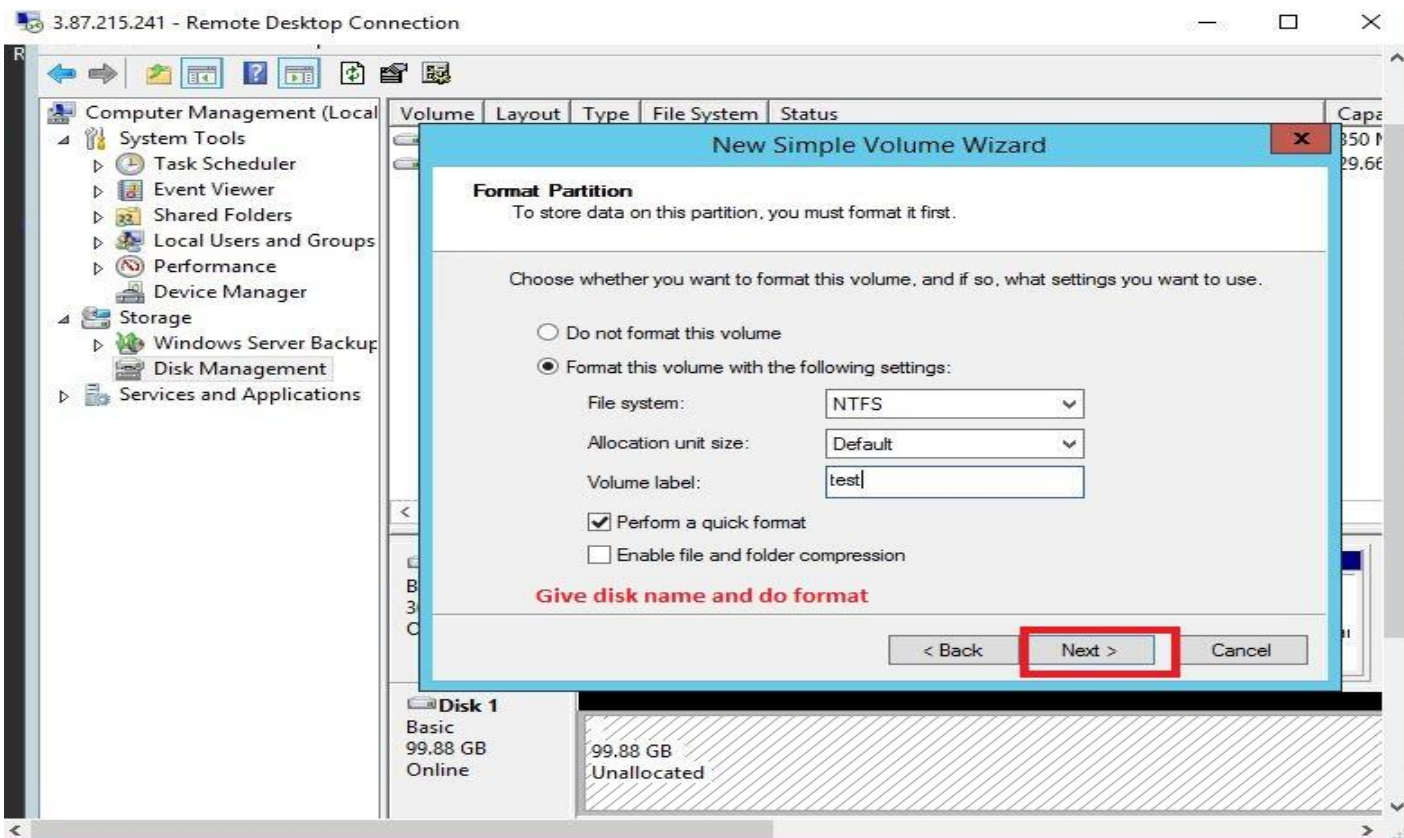


## Create a volume



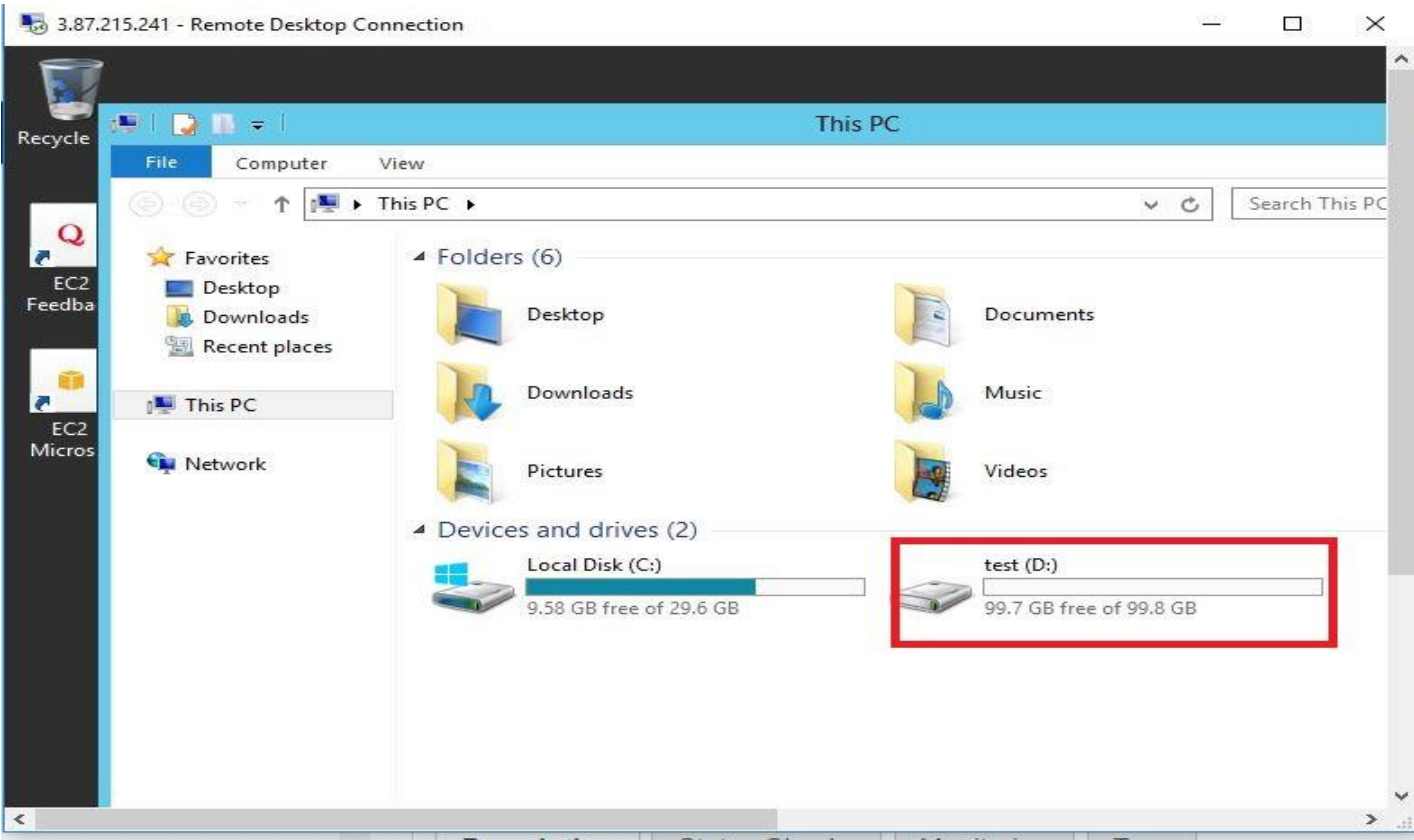








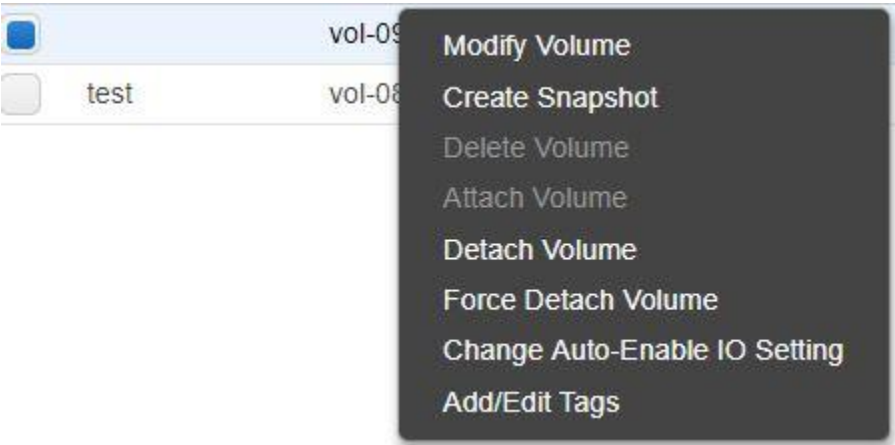
# Check the disk partition

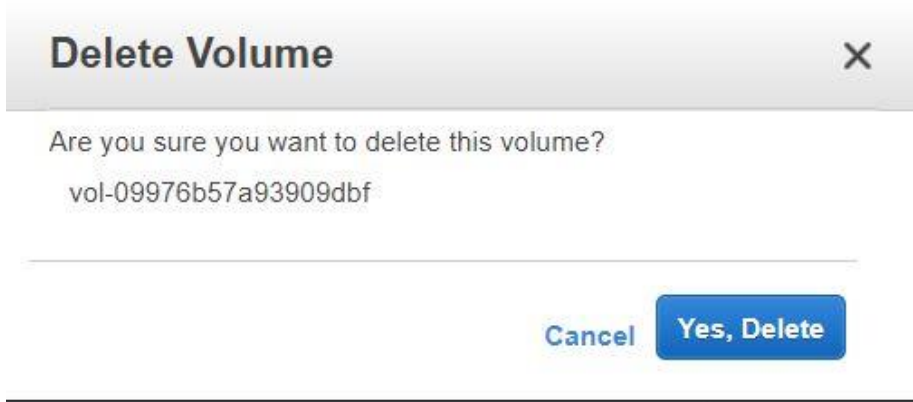
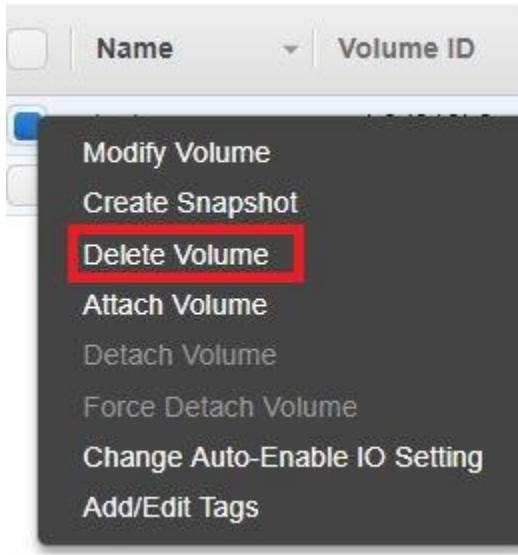
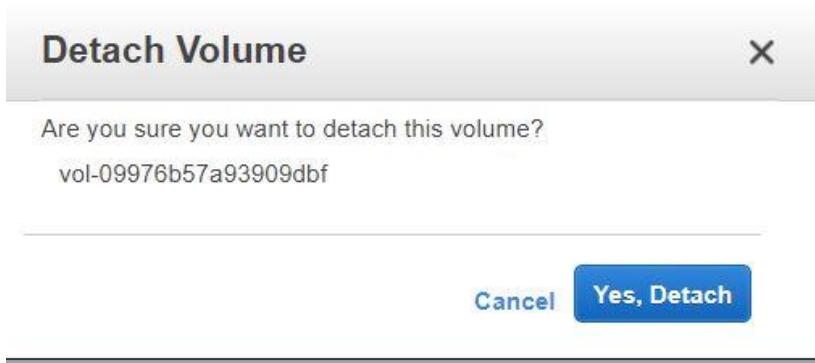


Now you can see the disk status as in-Use in volumes



## Step 6- Detach the Volume and Delete





Step 7 – Now check the instance the volume will be removed.

-----End of the document-----

