

Last 3 Tasks of previous lab

Task-4

```
Command Prompt - aws ec2 run-instances --image-id ami-0229f7666f517b31e --count 1 --instance-type t1.micro --key-name windowsweb --security-groups windowsweb
Microsoft Windows [Version 10.0.19041.685]
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C:\Users\vidha>aws --version
aws-cli/2.1.17 Python/3.7.9 Windows/10 exe/AMD64 prompt/off

C:\Users\vidha>aws configure
AWS Access Key ID [None]: AKIAJNQ0J22MX7FMTYMQ
AWS Secret Access Key [None]: frYhRbuZltzf3zRV0HV4Vf7bJ460fICjo3i5Z31
Default region name [None]:
Default output format [None]:

C:\Users\vidha>aws configure
AWS Access Key ID [*****]: AKIAJNQ0J22MX7FMTYMQ
AWS Secret Access Key [*****5Z31]: frYhRbuZltzf3zRV0HV4Vf7bJ460fICjo3i5Z31
Default region name [None]: us-east-1
Default output format [None]:

C:\Users\vidha>aws ec2 create-key-pair --key-name windowsweb --query 'KeyMaterial' --output text > windowsweb.pem

C:\Users\vidha>aws ec2 create-security-group --group-name windowsweb --description "My security group" --vpc-id vpc-1a2b3c4d
An error occurred (InvalidVpcID.NotFound) when calling the CreateSecurityGroup operation: The vpc ID 'vpc-1a2b3c4d' does not exist

C:\Users\vidha>aws ec2 create-security-group --group-name windowsweb --description "My security group" --vpc-id vpc-1a2b3c4d
An error occurred (InvalidVpcID.NotFound) when calling the CreateSecurityGroup operation: The vpc ID 'vpc-1a2b3c4d' does not exist

C:\Users\vidha>aws ec2 describe-security-groups --group-names my-sg
An error occurred (InvalidGroup.NotFound) when calling the DescribeSecurityGroups operation: The security group 'my-sg' does not exist in default VPC 'vpc-d817c5a2'

C:\Users\vidha>aws ec2 describe-security-groups --group-names windowsweb
An error occurred (InvalidGroup.NotFound) when calling the DescribeSecurityGroups operation: The security group 'windowsweb' does not exist in default VPC 'vpc-d817c5a2'

C:\Users\vidha>aws ec2 create-security-group --group-name windowsweb --description "My security group"
{
  "GroupId": "sg-0767152e5fa25ec16"
}

C:\Users\vidha>aws ec2 describe-security-groups --group-names windowsweb
{
  "SecurityGroups": [
    {
      "Description": "My security group",
      "GroupName": "windowsweb",
      "GroupId": "sg-0767152e5fa25ec16"
    }
  ]
}

C:\Users\vidha>aws ec2 create-security-group --group-name windowsweb --description "My security group"
{
  "GroupId": "sg-0767152e5fa25ec16"
}

C:\Users\vidha>aws ec2 describe-security-groups --group-names windowsweb
{
  "SecurityGroups": [
    {
      "Description": "My security group",
      "GroupName": "windowsweb",
      "IpPermissions": [],
      "OwnerId": "213253469746",
      "GroupId": "sg-0767152e5fa25ec16",
      "IpPermissionsEgress": [
        {
          "IpProtocol": "-1",
          "IpRanges": [
            {
              "CidrIp": "0.0.0.0/0"
            }
          ],
          "Ipv6Ranges": [],
          "PrefixListIds": [],
          "UserIdGroupPairs": []
        }
      ],
      "VpcId": "vpc-d817c5a2"
    }
  ]
}

C:\Users\vidha>aws ec2 run-instances --image-id ami-0229f7666f517b31e --count 1 --instance-type t1.micro --key-name windowsweb --security-groups windowsweb
{
  "Groups": [],
  "Instances": [
    {
      "AmiLaunchIndex": 0,
      "ImageId": "ami-0229f7666f517b31e",
      "InstanceId": "i-0573bdd1e686f6575",
      "InstanceType": "t1.micro",
      "KeyName": "windowsweb",
      "LaunchTime": "2021-01-12T11:20:04+00:00",
      "Monitoring": {
        "State": "disabled"
      },
      "Placement": {
        "AvailabilityZone": "us-east-1d",

```

```
Command Prompt - aws ec2 run-instances --image-id ami-0229f7666f517b31e --count 1 --instance-type t1.micro --key-name windowsweb --security-groups windowsweb

"CidrIp": "0.0.0.0/0"
    },
    "Ipv6Ranges": [],
    "PrefixListIds": [],
    "UserIdGroupPairs": []
  },
  "VpcId": "vpc-d817c5a2"
}
}
}

C:\Users\vidha>aws ec2 run-instances --image-id ami-0229f7666f517b31e --count 1 --instance-type t1.micro --key-name windowsweb --security-groups windowsweb
{
  "Groups": [],
  "Instances": [
    {
      "AmiLaunchIndex": 0,
      "ImageId": "ami-0229f7666f517b31e",
      "InstanceId": "i-0973bdd1e086f6579",
      "InstanceType": "t1.micro",
      "KeyName": "windowsweb",
      "LaunchTime": "2021-01-12T11:20:04+00:00",
      "Monitoring": {
        "State": "disabled"
      },
      "Placement": {
        "AvailabilityZone": "us-east-1d",
        "GroupName": "",
        "Tenancy": "default"
      },
      "Platform": "windows",
      "PrivateDnsName": "ip-172-31-7-164.ec2.internal",
      "PrivateIpAddress": "172.31.7.164",
      "ProductCodes": [],
      "PublicDnsName": "",
      "State": {
        "Code": 0,
        "Name": "pending"
      },
      "StateTransitionReason": "",
      "SubnetId": "subnet-0f6bed68",
      "Tags": []
    }
  ],
  "OwnerId": "AIDP4T739Y",
  "ResponseMetadata": {
    "RequestId": "81111111-1111-1111-1111-111111111111",
    "HTTPStatusCode": 200,
    "HTTPHeaders": {
      "x-amzn-requestid": "81111111-1111-1111-1111-111111111111"
    },
    "RetryAttempts": 0
  }
}
```

What's DevOps x Technically AV x Assignment x Launching, list x EC2 Manage x Problem load x Lab Assignment 1 p x Lab Assignment 1 p x AWS EC2 Inst x +

https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#KeyPairs:

Services Search for services, features, marketplace products, and docs [Alt+S]

vidhatha N. Virginia Support

Images

- AMIs

Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Network & Security

- Security Groups New
- Elastic IPs New
- Placement Groups
- Key Pairs
- Network Interfaces New

Load Balancing

- Load Balancers
- Target Groups New

Auto Scaling

- Launch Configurations
- Auto Scaling Groups

Welcome to the new instances experience!
We're redesigning the EC2 console to make it easier to use. To switch between the old console and the new console, use the New EC2 Experience toggle above the navigation panel. We'll release updates continuously based on customer feedback.

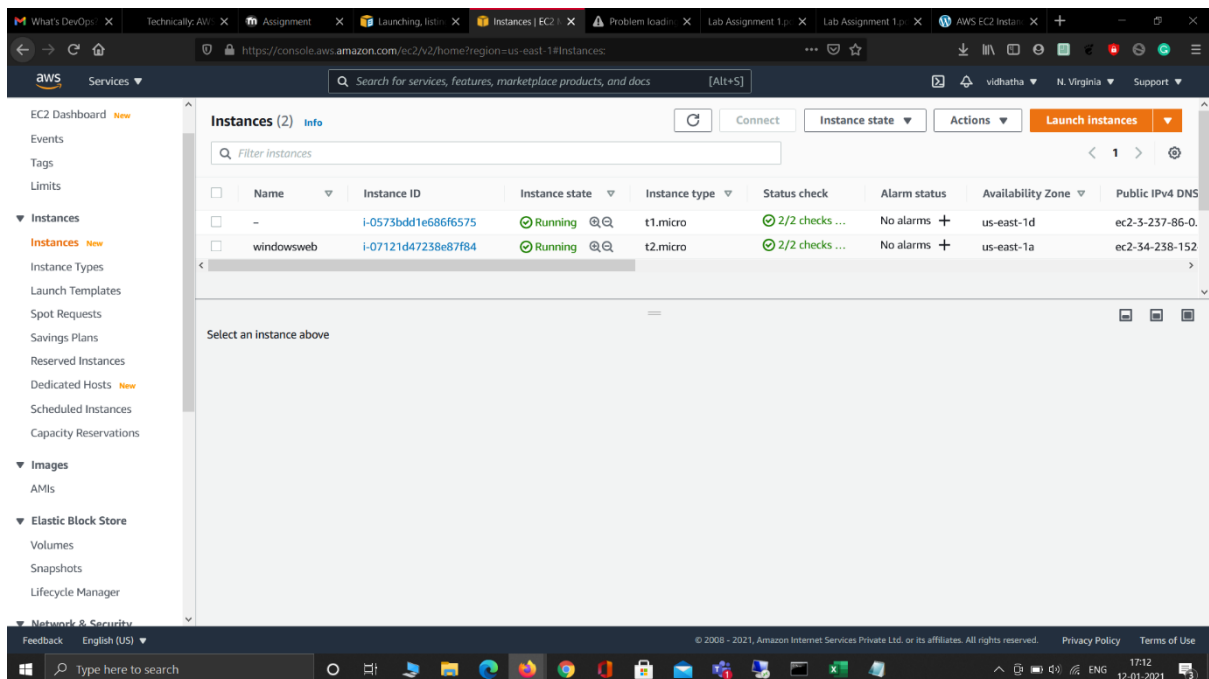
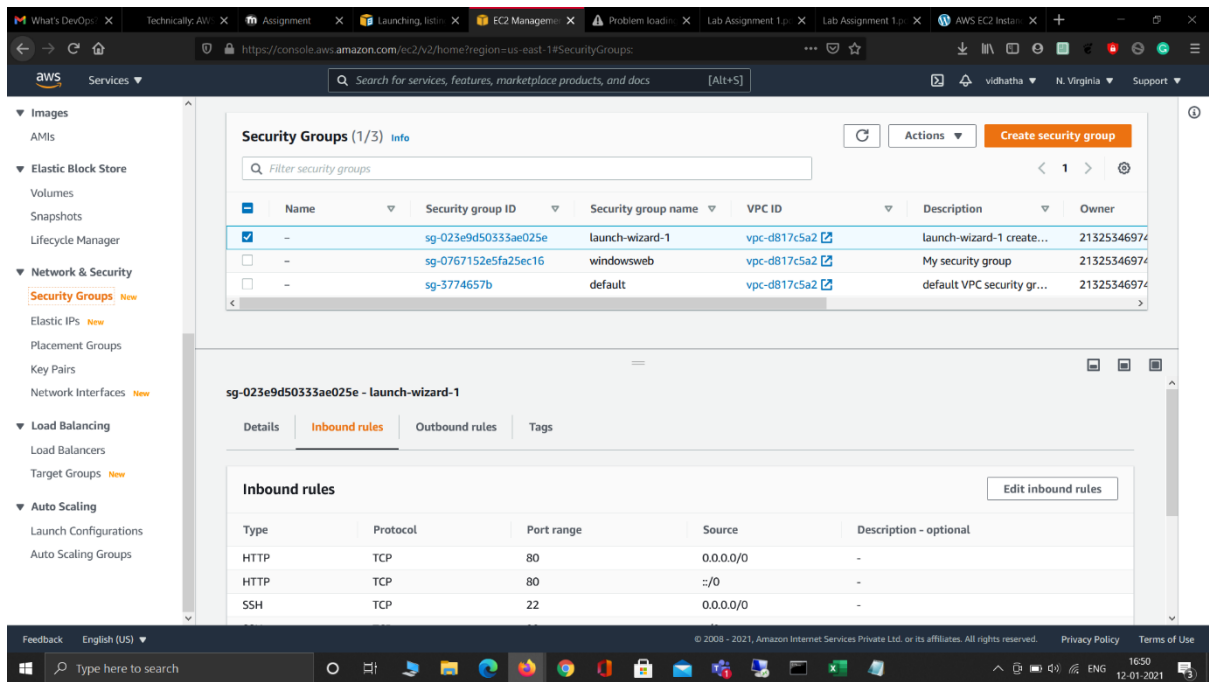
Key pairs (1/2)

Filter key pairs

	Name	Fingerprint	ID
<input type="checkbox"/>	windowsweb	63:85:97:98:c6:8e:35:33:84:f0:36:75:d...	key-0f7affd16b21bc79a
<input checked="" type="checkbox"/>	windowsweb	8f:3d:abe7:29:d2:81:29:e3:49:21:ac:b...	key-02b4924ab64f0edeb

Feedback English [US]

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Task 5

Creating bucket

```
C:\Users\vidha>aws s3 mb s3://bucket-vidhatha
make_bucket: bucket-vidhatha
```

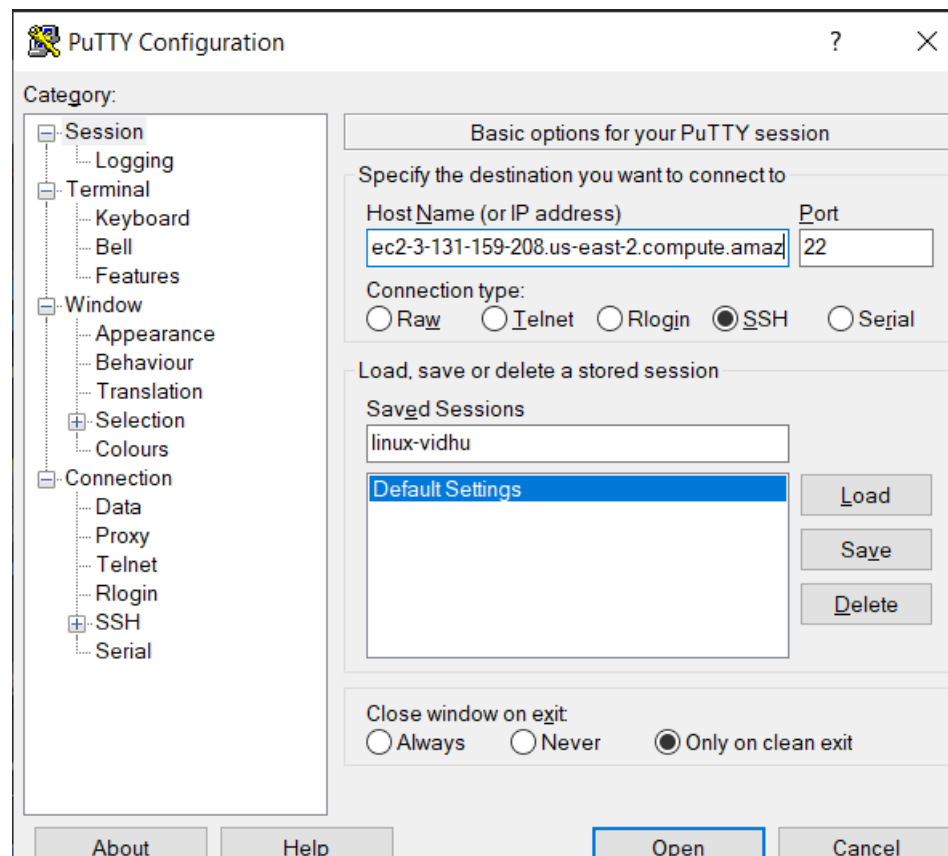
Adding file

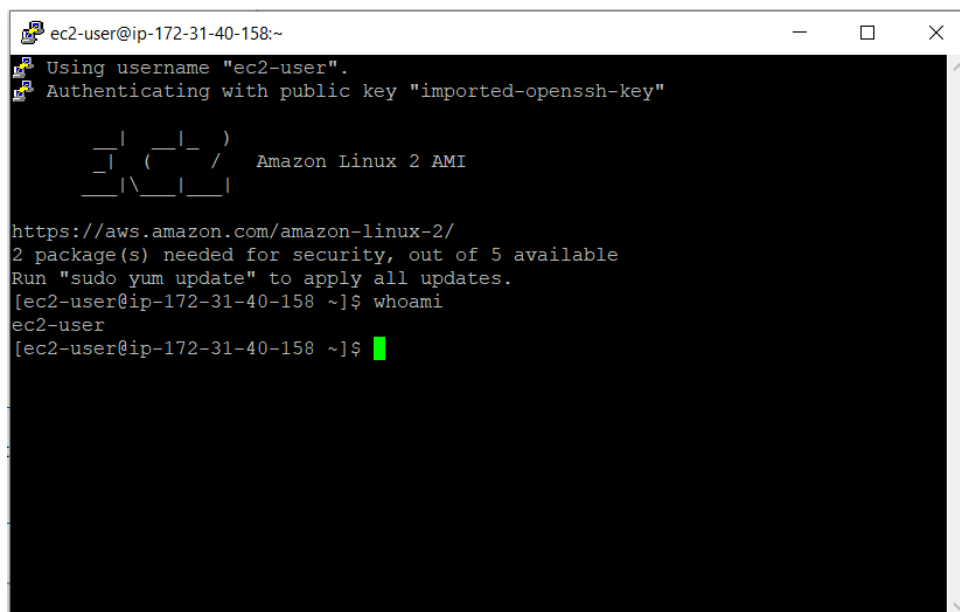
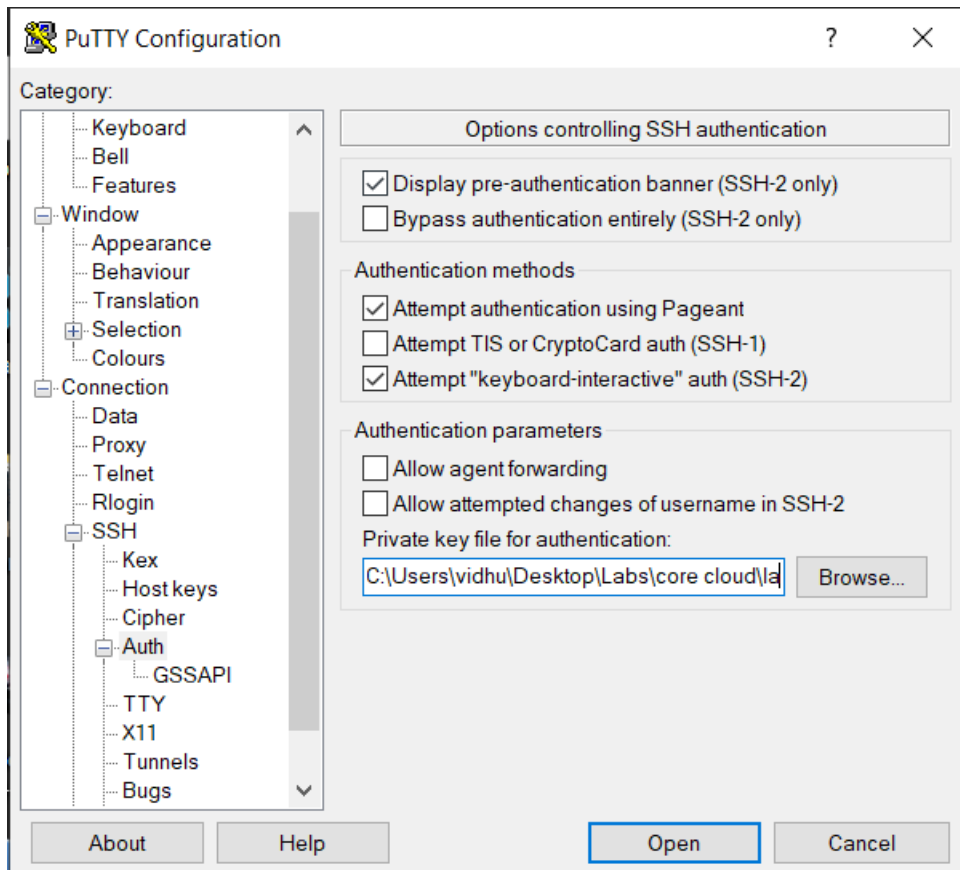
```
C:\Users\vidha>aws s3 cp C:\vidha\OneDrive\Documents\cn labs\CN7 s3://bucket-vidhatha --grants read-uri=http://acs.amazonaws.com/groups/global/AllUsers upload: OneDrive\Documents\cn labs\CN7 to s3://bucket-vidhatha/CN7
```

Deleting bucket

```
C:\Users\vidha>aws s3 rb s3://bucket-vidhatha --force  
remove_bucket: bucket-vidhatha
```

Task6





Lab Assignment 2

Volumes > Create Volume

Create Volume

✓ Volume created successfully

Volume ID vol-035bbc31cd1f41e76

Full-screen Snip

Close

New EC2 Experience

EC2 Dashboard

Events

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Actions

Filter by tags and attributes or search by keyword

Name	Volume ID	Size	Volume Type	IOPS	Throughput	Snapshot	Created	Availability Zone	State	Alarm Stat
	vol-035bbc31cd1f41e76	1 GiB	standard	-	-		January 23, 2021 at...	us-east-2a	in-use	None
	vol-0ac1b42f...	30 GiB	gp2	100	-	snap-0ce2c67...	January 23, 2021 at...	us-east-2a	in-use	None
	vol-071056d...	30 GiB	gp2	100	-	snap-09f42397...	January 23, 2021 at...	us-east-2a	in-use	None

Volumes: vol-035bbc31cd1f41e76

Description

Status Checks

Monitoring

Tags

Volume ID: vol-035bbc31cd1f41e76

Alarm status: None

Snapshot: -

Availability Zone: us-east-2a

Encryption: Not Encrypted

KMS Key ID: -

KMS Key Aliases: -

KMS Key ARN: -

Throughput (MB/s): -

Outposts ARN: -

Size: 1 GiB

Created: January 23, 2021 at 4:53:36 PM UTC+5:30

State: in-use

Attachment information: i-0c4921b3d0fe3823.xvdf (attached)

Volume type: standard

Product codes: -

IOPS: -

Multi-Attach Enabled: No

Feedback

English (US)

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ec2-3-15-214-184 - ec2-3-15-214-184.us-east-2.compute.amazonaws.com - Remote Desktop Connection

Server Manager

Server Manager > File and Storage Services > Volumes

Servers

Volumes

Disks

Storage Pools

VOLUMES

All volumes | 2 total

Filter

Volume	Status	File System Label	Provisioning	Capacity	Free Space	Deduplication Rate	Deduplication Savings	Percent Used
EC2AMAZ-9UQVE1V (2)								
C:	Fixed		Fixed	30.0 GB	15.9 GB			
E:	New Volume		Fixed	1,021 MB	1,004 MB			

Last refreshed on 1/23/2021 11:42:10 AM

SHARES

No related shares are available.

TASKS

To use this functionality, install the File Server role service.

Start the Add Roles and Features Wizard.

DISK

E:\ on EC2AMAZ-9UQVE1V

AWS PVDISK

Capacity: 1.00 GB

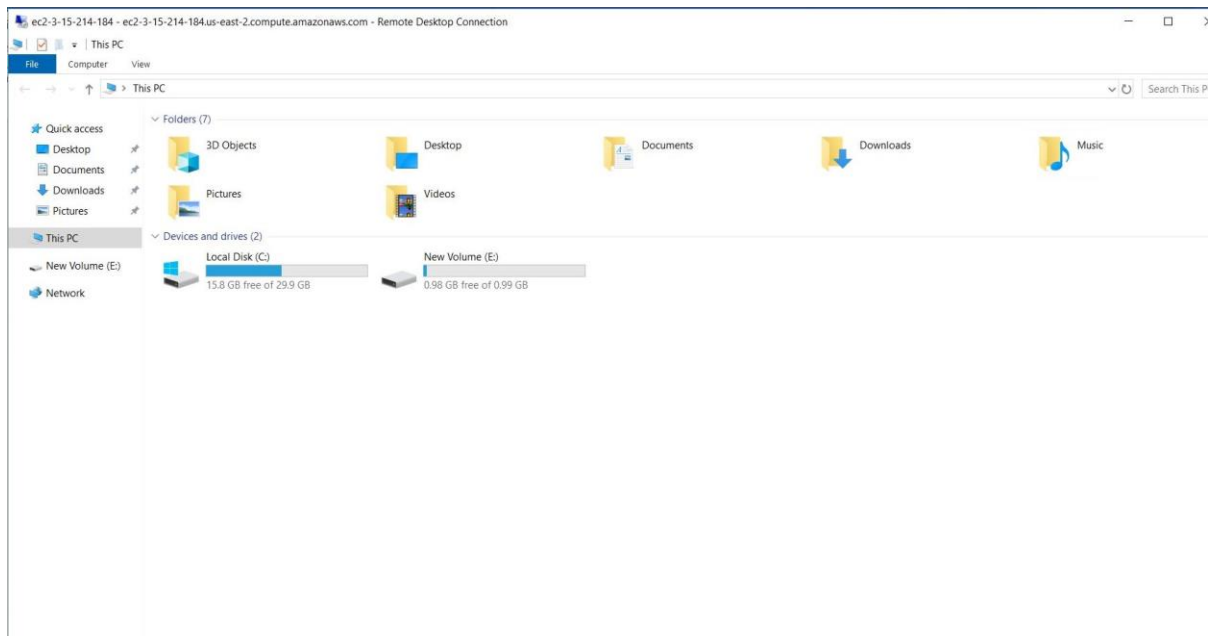
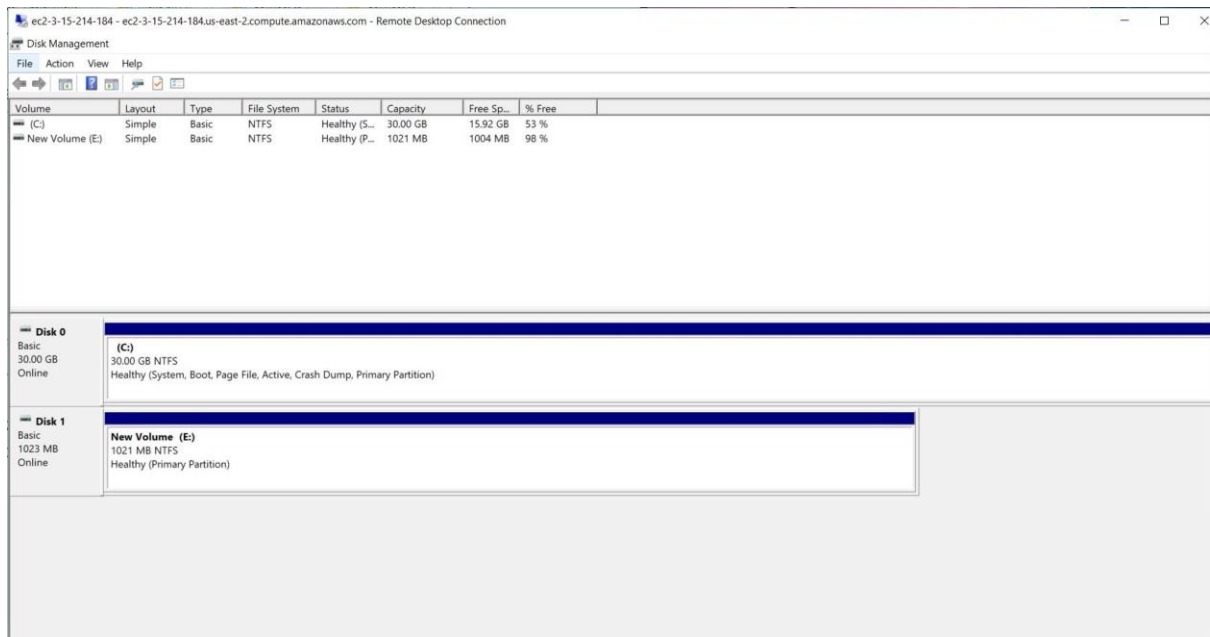
99.8% Allocated

1,022 MB Allocated

1.94 MB Unallocated

Status: Online

Bus Type: SAS



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Create Volume

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Filter by tags and attributes or search by keyword

Name	Volume ID	Size	Volume Type	IOPS	Throughput	Snapshot	Created	Availability Zone	State	Alarm Stat
	vol-035bbc31cd1f41e76	1 GiB	standard	-	-		January 23, 2021 at	us-east-2a	in-use	None

Volumes: vol-035bbc31cd1f41e76

Description

Status Checks

Monitoring

Tags

Volume ID

Alarm status

Snapshot

Availability Zone

Encryption

KMS Key ID

KMS Key Aliases

KMS Key ARN

Throughput (MB/s)

Outposts ARN

Size

Created

State

Attachment information

Volume type

Product codes

IOPS

Multi-Attach Enabled

Feedback

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Detaching volumes

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Filter by tags and attributes or search by keyword

Name	Volume ID	Size	Volume Type	IOPS	Throughput	Snapshot	Created	Availability Zone	State	Alarm Stat
	vol-035bbc31cd1f41e76	1 GiB	standard	-	-		January 23, 2021 at	us-east-2a	in-use	None
	vol-035bbc31cd1f41e76	1 GiB	standard	-	-		January 23, 2021 at	us-east-2a	available	None
	vol-035bbc31cd1f41e76	1 GiB	gp2	100	-	snap-0ce2c67...	January 23, 2021 at	us-east-2a	in-use	None
	vol-035bbc31cd1f41e76	1 GiB	gp2	100	-	snap-09f42397...	January 23, 2021 at	us-east-2a	in-use	None

Modify Volume

Create Snapshot

Create Snapshot Lifecycle Policy

Delete Volume

Attach Volume

Detach Volume

Force Detach Volume

Change Auto-Enable IO Setting

Add/Edit Tags

Description

Status Checks

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Tags

CloudWatch alarms: No alarms configured

Create Alarm

Feedback

English (US)

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Create Volume

Actions

Filter by tags and attributes or search by keyword

Name	Volume ID	Size	Volume Type	IOPS	Throughput	Snapshot	Created	Availability Zone	State	Alarm Stat
	vol-088609832ead4ebbe	2 GiB	standard	-	-		January 23, 2021 at...	us-east-2a	in-use	None
	vol-035bbc31cd1f41e76	1 GiB	standard	-	-		January 23, 2021 at...	us-east-2a	available	None
	vol-0ac1b42f...	30 GiB	gp2	100	-	snap-0ce2c67...	January 23, 2021 at...	us-east-2a	in-use	None
	vol-071056d...	30 GiB	gp2	100	-	snap-09f42397...	January 23, 2021 at...	us-east-2a	in-use	None

Volumes: vol-088609832ead4ebbe

Description

Status Checks

Monitoring

Tags

Volume ID

Alarm status

Snapshot

Availability Zone

Encryption

KMS Key ID

KMS Key Aliases

KMS Key ARN

Throughput (MB/s)

Outposts ARN

Size

Created

State

Attachment information

Volume type

Product codes

IOPS

Multi-Attach Enabled

Feedback

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Deleting volumes

New EC2 Experience

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Create Volume

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Name	Volume ID	Size	Volume Type	IOPS	Throughput	Snapshot	Created	Availability Zone	State	Alarm Stat
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	vol-035bbc31cd1f41e76	1 GiB	standard	-	-		January 23, 2021 at...	us-east-2a	available	None
	vol-0ac1b42f...	30 GiB	gp2	100	-	snap-0ce2c67...	January 23, 2021 at...	us-east-2a	in-use	None
	vol-071056d...	30 GiB	gp2	100	-	snap-09f42397...	January 23, 2021 at...	us-east-2a	in-use	None

Delete Volumes

Are you sure you want to delete these volumes?

- vol-088609832ead4ebbe
- vol-035bbc31cd1f41e76

Cancel

Yes, Delete

Volumes: vol-088609832ead4ebbe, vol-035bbc31cd1f41e76

Description

Status Checks

Monitoring

Tags

Feedback

English (US)

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