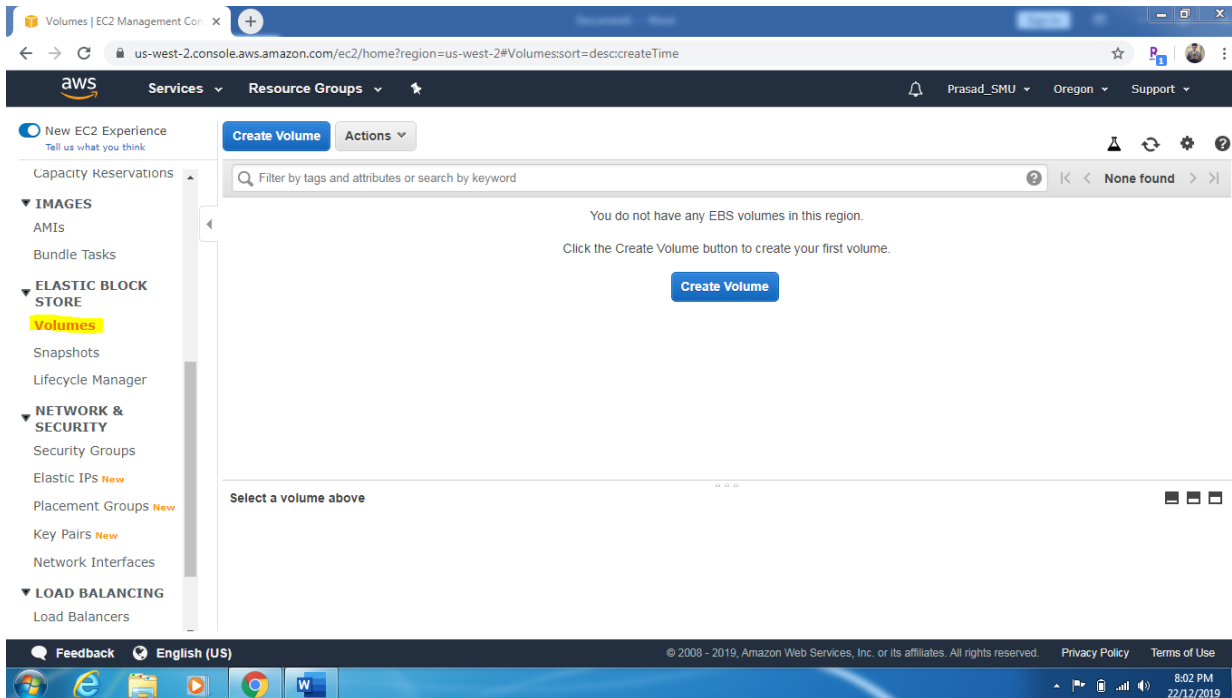


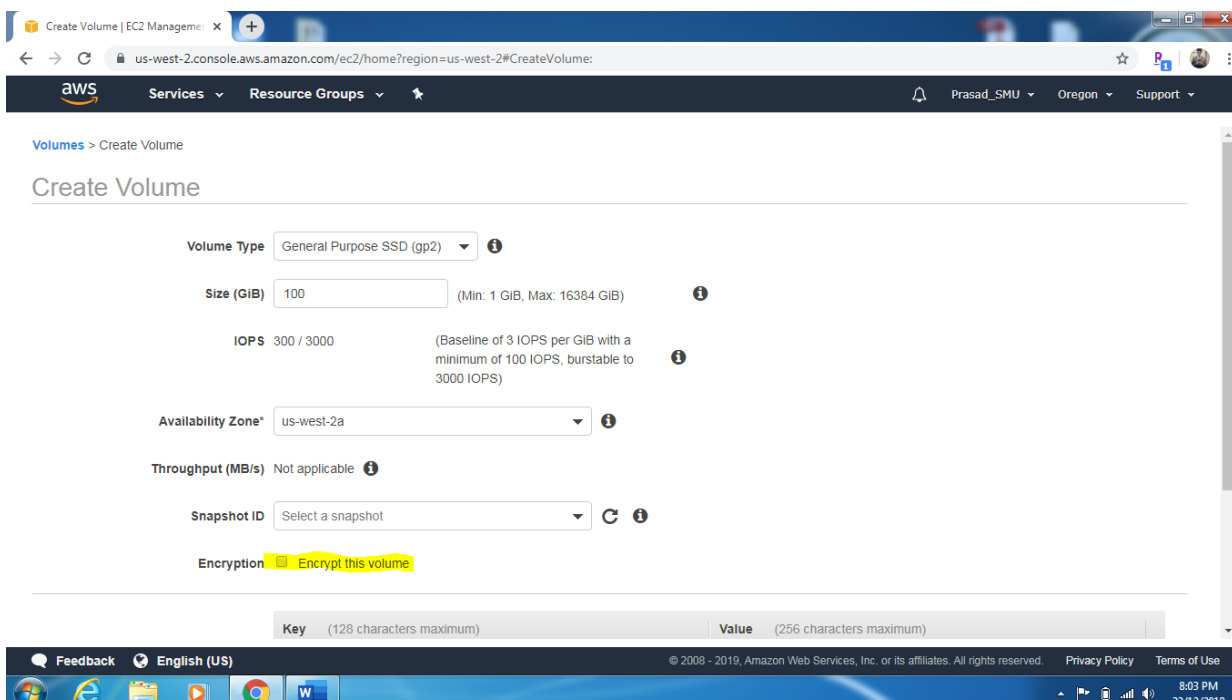
Unencrypted Public Snapshots

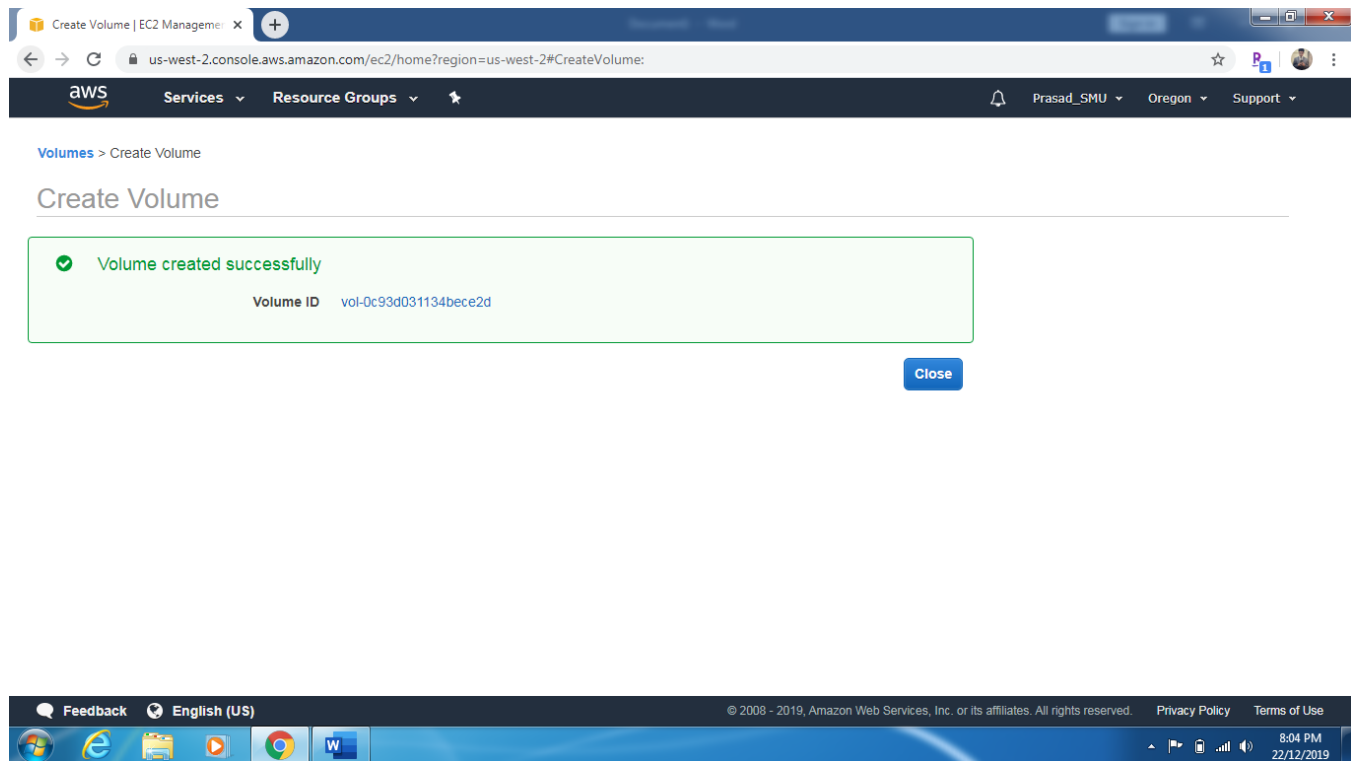
In this lab, we'll learn how to create an Unencrypted Public Snapshot and Create an Unencrypted Volume from it.

- Navigate to EC2 Service, Volume and Click on Create Volume.



- Do not select **Encrypt this Volume** option as we're creating an Unencrypted Volume.





Create Volume | EC2 Management Console

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#CreateVolume:

Services Resource Groups

Volumes > Create Volume

Create Volume

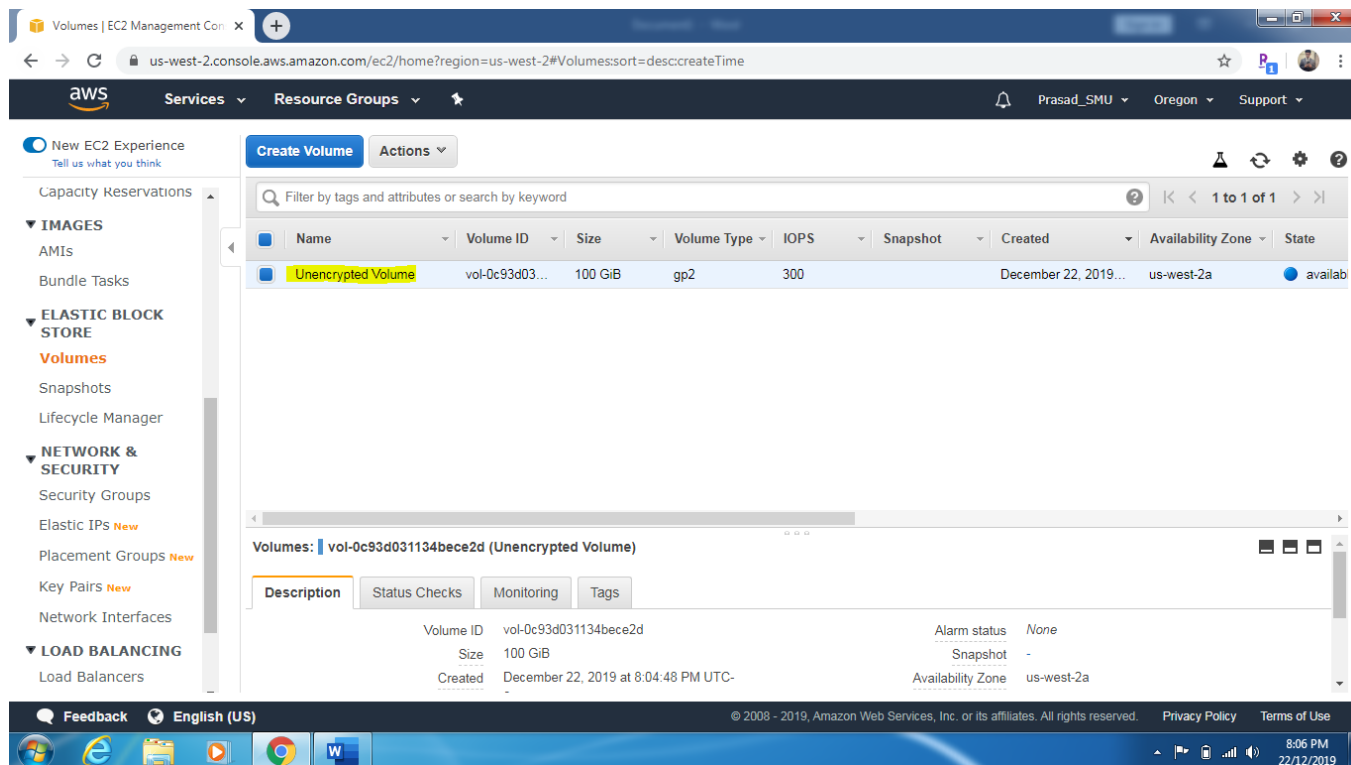
Volume created successfully

Volume ID vol-0c93d031134bece2d

Close

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➤ Give newly created volume name as **Unencrypted Volume**.



Volumes | EC2 Management Console

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Volumes:sort=desc:createTime

Services Resource Groups

Create Volume Actions

Filter by tags and attributes or search by keyword

Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State
Unencrypted Volume	vol-0c93d031134bece2d	100 GiB	gp2	300		December 22, 2019...	us-west-2a	available

Volumes: vol-0c93d031134bece2d (Unencrypted Volume)

Description Status Checks Monitoring Tags

Volume ID	vol-0c93d031134bece2d	Alarm status	None
Size	100 GiB	Snapshot	-
Created	December 22, 2019 at 8:04:48 PM UTC-	Availability Zone	us-west-2a

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- Go to Actions and create a snapshot of this Volume and Give Snapshot name as **Unencrypted Snapshot**.

Create Snapshot | EC2 Management Console

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#CreateSnapshotFromVolume:

Services Resource Groups

Volumes > Create Snapshot

Create Snapshot

Volume vol-0c93d031134bece2d ⓘ

Description **Unencrypted Snapshot** ⓘ

Encrypted Not Encrypted ⓘ

Key (128 characters maximum) Value (256 characters maximum)

This resource currently has no tags

Choose the Add tag button or click to add a Name tag

Add Tag 50 remaining (Up to 50 tags maximum)

* Required Cancel Create Snapshot

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Snapshots | EC2 Management Console

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Snapshots:sort=snapshotId

Services Resource Groups

New EC2 Experience Tell us what you think

Bundle Tasks

- ELASTIC BLOCK STORE
 - Volumes
 - Snapshots**
 - Lifecycle Manager
- NETWORK & SECURITY
 - Security Groups
 - Elastic IPs New
 - Placement Groups New
 - Key Pairs New
 - Network Interfaces
- LOAD BALANCING
 - Load Balancers
 - Target Groups
- AUTO SCALING
 - Launch Configurations

Create Snapshot Actions

Owned By Me Filter by tags and attributes or search by keyword

Name	Snapshot ID	Size	Description	Status	Started
Unencrypted Snapshot	snap-0cde01813e09ed83f	100 GiB	Unencrypted Snapshot	completed	December 22, 2019

Snapshot: snap-0cde01813e09ed83f (Unencrypted Snapshot)

Description Permissions Tags

Snapshot ID	snap-0cde01813e09ed83f	Progress	100%
Status	completed	Capacity	100 GiB
Volume	vol-0c93d031134bece2d	Encryption	Not Encrypted

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- Go to snapshot Permissions and click on Edit.

The screenshot shows the AWS Management Console interface. On the left, the navigation pane includes 'ELASTIC BLOCK STORE' with 'Snapshots' selected. The main content area displays a table of snapshots. One snapshot, 'Unencrypted Snapshot' with ID 'snap-0cde01813e0...', is shown. Below the table, the 'Permissions' tab is active, indicating the snapshot is 'Private' and has 'no permissions'. The 'Edit' button is highlighted with a blue arrow.

- To make Snapshot PUBLIC, click on Public and Save.

The screenshot shows the 'Modify Permissions' dialog box overlaid on the console. The dialog contains the text: 'This is an unencrypted snapshot. When you share an unencrypted snapshot, you give another account permission to both copy the snapshot and create a volume from it.' Below this, it states 'This snapshot is currently: Public Private', with the 'Public' radio button selected. A blue arrow points to the 'Public' option. At the bottom right of the dialog are 'Cancel' and 'Save' buttons.

The screenshot shows the AWS Management Console for the 'us-west-2' region. The left sidebar contains navigation links for 'ELASTIC BLOCK STORE' (Volumes, Snapshots, Lifecycle Manager), 'NETWORK & SECURITY' (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), 'LOAD BALANCING' (Load Balancers, Target Groups), and 'AUTO SCALING' (Launch Configurations). The main content area displays a table of snapshots. The first snapshot, 'Unencrypted Snapshot' with ID 'snap-0cde01813e09ed83f', is selected. Below the table, the 'Permissions' tab is active, indicating the snapshot is public.

Name	Snapshot ID	Size	Description	Status	Started
Unencrypted Snapshot	snap-0cde01813e09ed83f	100 GiB	Unencrypted Snapshot	completed	December 22, 2019

Snapshot: snap-0cde01813e09ed83f (Unencrypted Snapshot)

This snapshot is currently Public.

- Note down the snapshot ID for future reference.
E.g. snap-0cde01813e09ed83f

This screenshot is similar to the first one, showing the same snapshot in the AWS console. The 'Permissions' tab is selected, and the status 'This snapshot is currently Public.' is visible. The URL in the address bar is 'https://us-west-2.console.aws.amazon.com/console/home?region=us-west-2'.

Name	Snapshot ID	Size	Description	Status
Unencrypted Snapshot	snap-0cde01813e09ed83f	100 GiB	Unencrypted Snapshot	completed

Snapshot: snap-0cde01813e09ed83f (Unencrypted Snapshot)

This snapshot is currently Public.

- Now, let's create a new Volume from this Unencrypted Public Snapshot.
- Navigate to EC2 Service, Volume and Click on create a new Volume.

The screenshot shows the AWS Management Console for the 'Volumes' service. The 'Create Volume' button is highlighted with a blue arrow. Below it, a table lists existing volumes. The details for the 'Unencrypted Volume' (ID: vol-0c93d031134bece2d) are shown below the table.

Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State
Unencrypted Volume	vol-0c93d031134bece2d	100 GiB	gp2	300		December 22, 2019...	us-west-2a	availab

Details for 'Unencrypted Volume' (vol-0c93d031134bece2d):

Property	Value
Volume ID	vol-0c93d031134bece2d
Size	100 GiB
Created	December 22, 2019 at 8:04:48 PM UTC-
Alarm status	None
Snapshot	-
Availability Zone	us-west-2a

- Put the snapshot ID that you've noted in Snapshot ID tab.

The screenshot shows the 'Create Volume' page in the AWS Management Console. The page displays various configuration options for creating a new volume. The 'Snapshot ID' dropdown menu is highlighted with a blue arrow.

Configuration options:

- Volume Type: General Purpose SSD (gp2)
- Size (GiB): 100 (Min: 1 GiB, Max: 16384 GiB)
- IOPS: 300 / 3000 (Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS)
- Availability Zone: us-west-2a
- Throughput (MB/s): Not applicable
- Snapshot ID: Select a snapshot
- Encryption: ☐ Encrypt this volume

- It will recognize your Public Snapshot to create a new Volume.

Volume Type: General Purpose SSD (gp2)

Size (GiB): 100 (Min: 1 GiB, Max: 16384 GiB)

IOPS: 300 / 3000 (Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS)

Availability Zone: us-west-2a

Throughput (MB/s): Not applicable

Snapshot ID: snap-0cde01813e09ed83f

Fast Snapshot Restore: snap-0cde01813e09ed83f

Encryption: snap-0cde01813e09ed83f Unencrypted Snapshot

Key: (128 characters maximum) Value: (256 characters maximum)

- Click on create Volume.

Volume created successfully

Volume ID: vol-0778bfbfd224db84bd

Close

- A new volume from an Unencrypted Public Snapshot has been Successfully Created.

The screenshot shows the AWS Management Console interface for the 'Volumes' section. The left sidebar contains navigation links for 'New EC2 Experience', 'IMAGES', 'ELASTIC BLOCK STORE', and 'NETWORK & SECURITY'. The main content area displays a table of volumes. A blue arrow points to the 'Unencrypted Volume' row, specifically to its 'Volume ID'.

Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone
	vol-0778bfb224db84bd	100 GiB	gp2	300	snap-0cde01813e09ed83f	December 22, 2019...	us-west-2
Unencrypted Volume	vol-0c93d031144bece2d	100 GiB	gp2	300		December 22, 2019...	us-west-2

This completes the Lab on Unencrypted Public Snapshots.

For Questions, contact me on pbhavsar@smu.edu .