

# [Guvi Task ]

## Day 3 - AWS - EBS, Snapshot

**TASK:** Launch an EC2 instance (Linux and Windows) along with a web server. Then, create an EBS volume of 5 GB, attach it to an EC2 machine (Linux and Windows), and take a snapshot. Finally, create an EBS volume using the taken snapshot.

The screenshot shows the AWS CloudShell interface. On the left, there's a sidebar with a menu icon. The main area has a search bar at the top. Below it, a section titled "Launch an instance" contains fields for "Name and tags" (with "EBS-demo" entered) and "Application and OS Images (Amazon Machine Image)". A dropdown menu under "Application and OS Images" lists "Canonical, Ubuntu, 22.04 LTS, ...". To the right, a "Summary" panel shows the configuration: 1 instance, AMI "Canonical, Ubuntu, 22.04 LTS, ...", instance type "t2.micro", and a new security group. At the bottom right of the summary panel is a prominent orange "Launch instance" button.

This screenshot shows the AWS CloudShell interface with user data being specified. In the "User data - optional" section, there is a text input field containing a bash script to install Apache 2. The script content is:

```
#!/bin/bash
sudo apt update
sudo apt install apache2 wget unzip -y
wget https://www.tooplate.com/zip-templates/2132_clean_work.zip
unzip 2132_clean_work.zip
sudo cp -r 2132_clean_work/* /var/www/html/
sudo systemctl restart apache2
```

Below the script, there is a checkbox labeled "User data has already been base64 encoded". The rest of the interface is identical to the first screenshot, showing the "Launch instance" button highlighted in orange.

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EC2 > Instances > Launch an instance

✔ Success  
Successfully initiated launch of instance (i-0ec96632ef6b905a2)

▶ Launch log

**Next Steps**

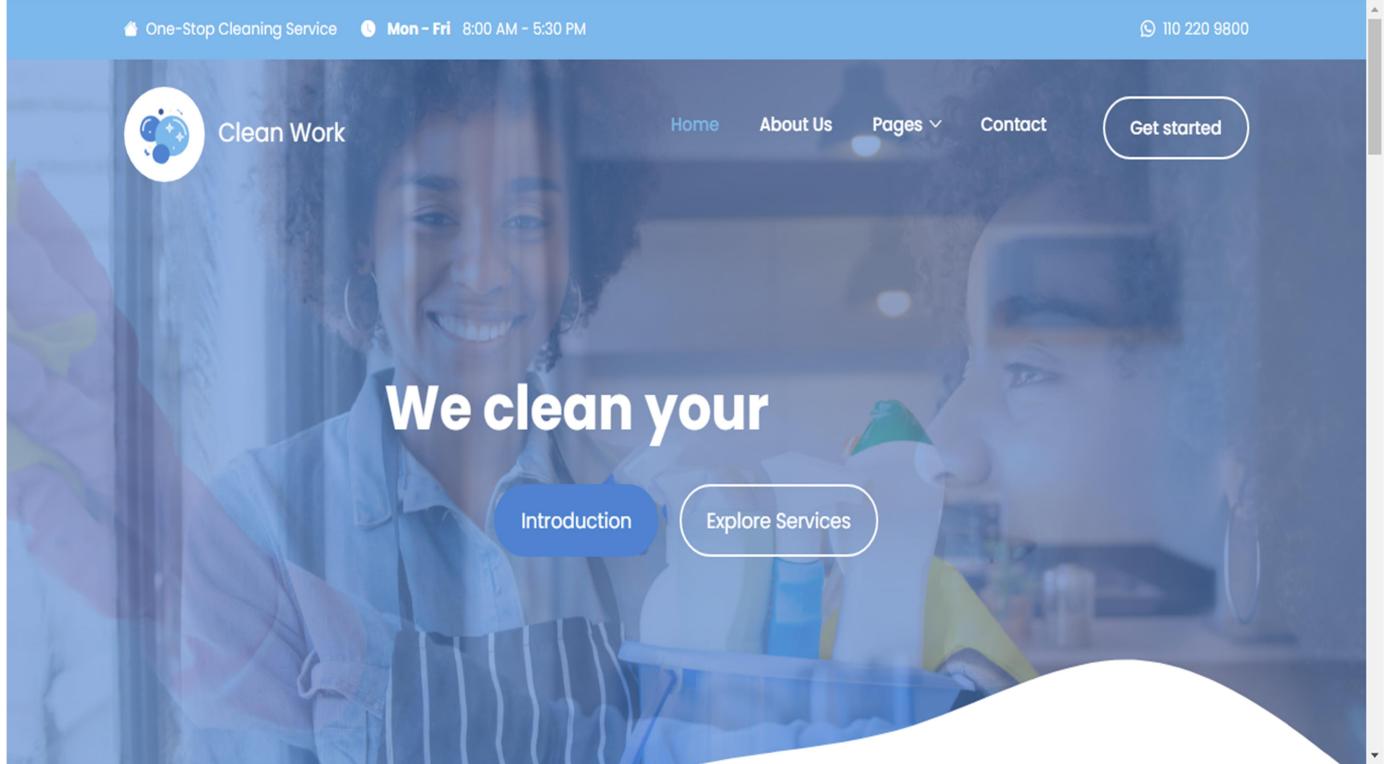
What would you like to do next with this instance, for example "create alarm" or "create backup"

Create billing and free tier usage alerts Connect to your instance Connect an RDS database Create a CloudWatch Metrics alarm

Zen Class | Volumes | EC2 | us-east-1 | Instances | EC2 | us-east-1 | Clean Work HTML CSS Template | + | Not secure 44.211.76.131 | ✖️ 🔍

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EC2 > Volumes > Create volume

## Create volume Info

Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.

**Volume settings**

Volume type Info  
General Purpose SSD (gp3)

General Purpose SSD gp3 is now the default selection. gp3 provides up to 20% lower cost per GB than gp2. [Learn More](#)

Size (GiB) Info  
5  
Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS Info  
3000  
Min: 3000 IOPS, Max: 16000 IOPS. The value must be an integer.

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EC2 Dashboard X

Events

Console-to-Code [Preview](#)

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Successfully created volume vol-0897718ad4837e69a.

## Volumes (1/2) Info

Actions ▲ Create volume

Name	Volume ID	Type	Size	IOPS	Throughput
-	vol-0fdf68f063ed957a	gp2	8 GiB	100	-
<input checked="" type="checkbox"/> EBS-vol1	vol-0897718ad4837e69a	gp3	5 GiB	3000	125

Volume ID: vol-0897718ad4837e69a (EBS-vol1)

Details Status checks Monitoring Tags

Volume ID <a href="#">vol-0897718ad4837e69a (EBS-vol1)</a>	Size <input type="button" value="5 GiB"/>	Type gp3
AWS Compute Optimizer finding <small>Opt-in to AWS Compute Optimizer for recommendations.   Learn more</small>	Volume state <input checked="" type="checkbox"/> Available	IOPS 3000
		Throughput 125

Modify volume

Create snapshot

Create snapshot lifecycle policy

Delete volume

Attach volume

Detach volume

Force detach volume

Manage auto-enabled I/O

Manage tags

Fault injection

Volume status  
OK

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The screenshot shows the AWS CloudFormation console. The top navigation bar includes the AWS logo, a services menu, a search bar with placeholder text 'Search' and a keyboard shortcut '[Alt+S]', and three icons for refresh, notifications, and help. Below the navigation is a breadcrumb trail: EC2 > Volumes > vol-0897718ad4837e69a > Attach volume. The main title is 'Attach volume' with an 'Info' link. A sub-instruction reads: 'Attach a volume to an instance to use it as you would a regular physical hard disk drive.' A large box contains 'Basic details' for the volume. It lists the Volume ID as 'vol-0897718ad4837e69a (EBS-vol1)', the Availability Zone as 'us-east-1b', and an Instance dropdown set to 'i-0ec96632ef6b905a2'. A note below the instance says, 'Only instances in the same Availability Zone as the selected volume are displayed.' At the bottom, there's a 'Device name' field containing '/dev/sdf'.

The screenshot shows the 'Create snapshot' wizard in the AWS Management Console. The top navigation bar includes the AWS logo, 'Services' (with 'EC2' under it), a search bar, and account information for 'N. Virginia' and 'Sumit\_aws\_11'. The main title 'Create snapshot' has an 'Info' link. Below the title, a description explains creating a point-in-time snapshot of an EBS volume or a multi-volume snapshot from an instance. The 'Snapshot settings' section is open, showing two options: 'Volume' (selected) and 'Instance'. Under 'Volume', there's a note about creating a snapshot from a specific volume. The 'Volume ID' field contains 'vol-0897718ad4837e69a', with a dropdown arrow and a clear button. The 'Description' field contains 'EBS-vol1', with a character limit note below it. At the bottom, there are 'Next Step' and 'Cancel' buttons.

## Create snapshot [Info](#)

Create a point-in-time snapshot of an EBS volume and use it as a baseline for new volumes or for data backup. You can create snapshots from an individual volume, or you can create multi-volume snapshots from all of the volumes attached to an instance.

### Snapshot settings

Resource type [Info](#)

Volume  
Create a snapshot from a specific volume.

Instance  
Create multi-volume snapshots from an instance.

**Volume ID**  
The volume from which to create the snapshot.

vol-0897718ad4837e69a ▼ C

**Description**  
Add a description for your snapshot.

EBS-vol1 255 characters maximum

Next Step Cancel

Successfully created snapshot snap-0aff4d052d98070ad.

### Snapshots (1) Info

Name	Snapshot ID	Volume size	Description	Storage tier	Snapshot status
EBS_vol1-sna...	snap-0aff4d052d98070ad	5 GiB	EBS-vol1	Standard	Completed

Select a snapshot above.

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snap-0aff4d052d98070ad (EBS\_vol1-snapshot)

Volume type Info  
General Purpose SSD (gp3)

General Purpose SSD gp3 is now the default selection. gp3 provides up to 20% lower cost per GB than gp2. [Learn More](#)

Size (GiB) Info  
5  
Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS Info  
3000  
Min: 3000 IOPS, Max: 16000 IOPS. The value must be an integer.

Throughput (MiB/s) Info  
125  
Min: 125 MiB, Max: 1000 MiB. Baseline: 125 MiB/s.

Availability Zone Info  
us-east-1c

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Volumes (1/3) Info Actions Create volume

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot
-	vol-0f0df68f063ed957a	gp2	8 GiB	100	-	snap-08fad53abf23a5f48
vol1_snapshot	vol-04c0e546fafdd97b	gp3	5 GiB	3000	125	snap-0aff4d052d98070ad
EBS-vol1	vol-0897718ad4837e69a	gp3	5 GiB	3000	125	-

Volume ID: vol-04c0e546fafdd97b (vol1\_snapshot)

Details Status checks Monitoring Tags

Volume ID vol-04c0e546fafdd97b (vol1_snapshot)	Size 5 GiB	Type gp3	Volume status Okay
AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations.   Learn more	Volume state Available	IOPS 3000	Throughput 125

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