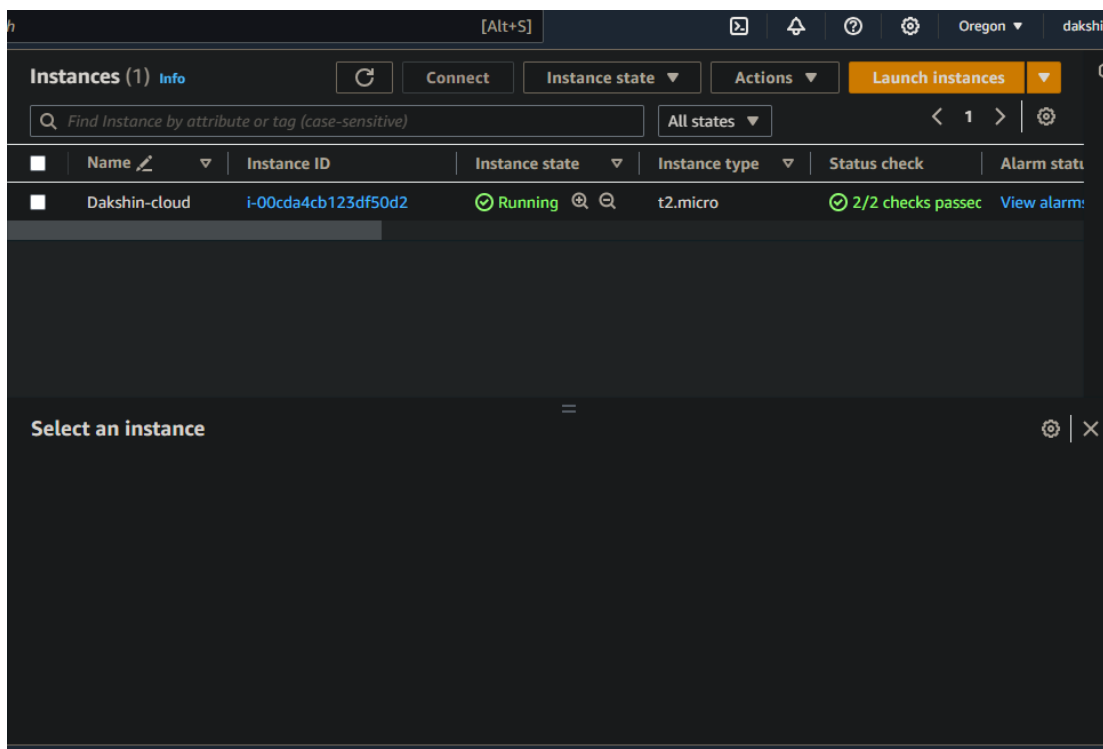


# Attaching Volume to Instances

Dakshindaya V S

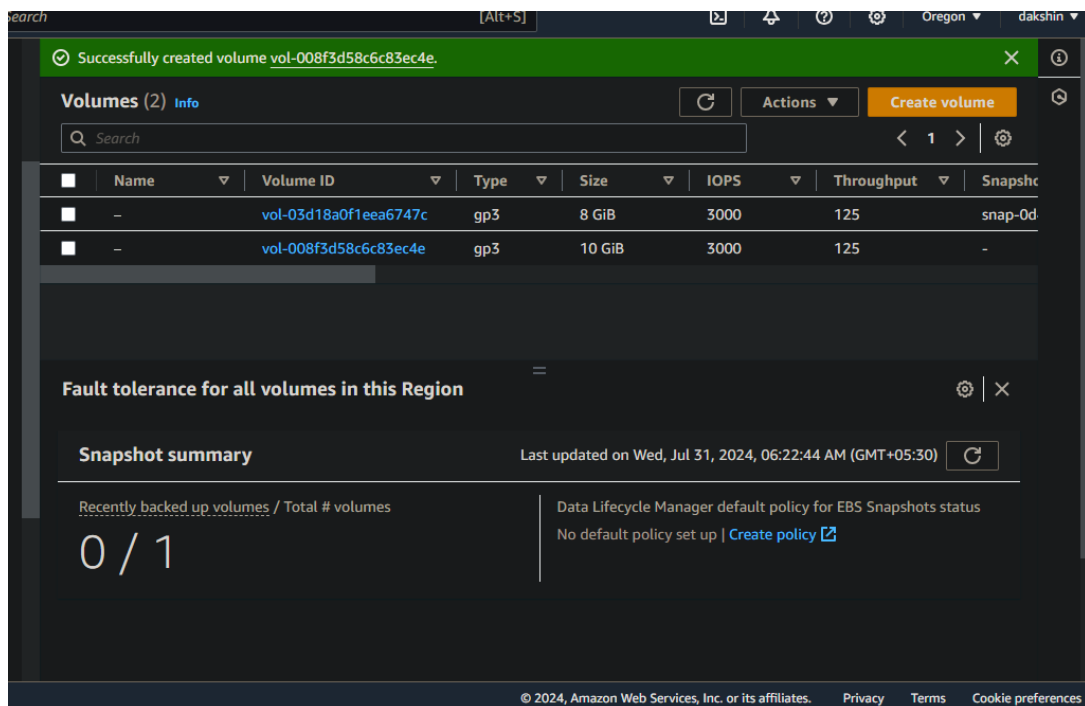
21BIT010

Creating an Instance:

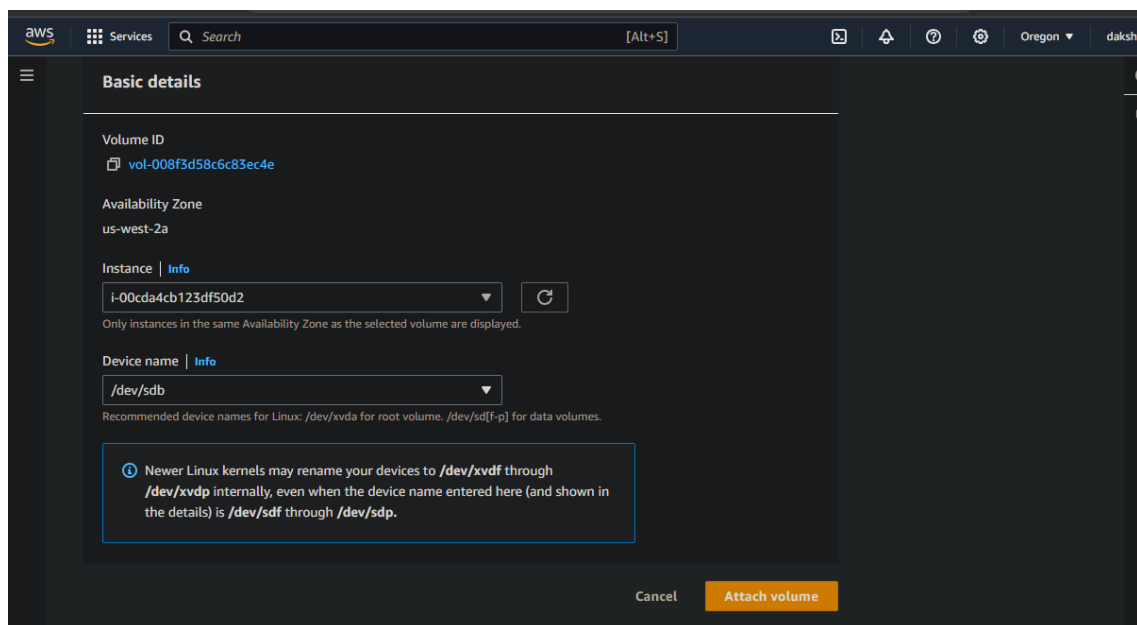


We have created an Instance called “Dakshin-cloud”, on the free tier architecture.

Creating a Volume:



Next, we have created a volume of size 10 gb in the volume container, further we will attach the volume to the instance.



## Creating a snapshot:

The screenshot shows the 'Create snapshot' page in the AWS Management Console. The breadcrumb navigation at the top reads 'EC2 > Volumes > vol-008f3d58c6c83ec4e > Create snapshot'. The page title is 'Create snapshot' with an 'Info' link. Below the title is a subtitle: 'Create a point-in-time snapshot to back up the data on an Amazon EBS volume to Amazon S3.' The page is divided into two main sections: 'Source volume' and 'Snapshot details'. In the 'Source volume' section, there is a table with two columns: 'Volume ID' and 'Availability Zone'. The 'Volume ID' column contains a copy icon and the text 'vol-008f3d58c6c83ec4e'. The 'Availability Zone' column contains the text 'us-west-2a'. The 'Snapshot details' section contains a 'Description' field with a placeholder 'Add a description for your snapshot' and a note '255 characters maximum.' Below this is an 'Encryption' section with an 'Info' link and the text 'Not encrypted'.

EC2 > Volumes > vol-008f3d58c6c83ec4e > Create snapshot

### Create snapshot [Info](#)

Create a point-in-time snapshot to back up the data on an Amazon EBS volume to Amazon S3.

#### Source volume

Volume ID	Availability Zone
vol-008f3d58c6c83ec4e	us-west-2a

#### Snapshot details

**Description**  
Add a description for your snapshot

255 characters maximum.

**Encryption** [Info](#)  
Not encrypted

We will create a snapshot of the already created volume, and we will create the volume again from the snapshot

The screenshot shows the 'Create volume' page in the AWS Management Console. The breadcrumb navigation at the top reads 'Services > Search > [Alt+S]'. The page title is 'Create volume' with an 'Info' link. Below the title is a subtitle: 'Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.' The page is divided into two main sections: 'Volume settings' and 'Volume creation'. In the 'Volume settings' section, there is a 'Snapshot ID' field with a copy icon and the text 'snap-04b4205c1c215d75c'. Below this is a 'Volume type' section with a dropdown menu set to 'General Purpose SSD (gp3)' and an 'Info' link. A message box states: 'General Purpose SSD gp3 is now the default selection. gp3 provides up to 20% lower cost per GB than gp2. [Learn More](#)'. Below this is a 'Size (GiB)' section with a text input field set to '10' and a note 'Min: 1 GiB, Max: 16384 GiB. The value must be an integer.' Below this is an 'IOPS' section with a text input field set to '3000' and a note 'Min: 3000 IOPS, Max: 16000 IOPS. The value must be an integer.' The 'Volume creation' section is partially visible at the bottom.

Services Search [Alt+S]

### Create volume [Info](#)

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

#### Volume settings

**Snapshot ID**  
 snap-04b4205c1c215d75c

**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](#)  
10  
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.

#### Volume creation

**Volume name**  
vol-008f3d58c6c83ec4e

**Availability Zone**  
us-west-2a

**Encryption** [Info](#)  
Not encrypted


**Tags**  
Add tags to your volume

## Attaching the snapshot Volume

### Basic details

Volume ID  
vol-052d73e1bf1d9b69a


Availability Zone  
us-west-2a

Instance | [Info](#)  
i-00cda4cb123df50d2 

Only instances in the same Availability Zone as the selected volume are displayed.

Device name | [Info](#)  
/dev/sdc

Recommended device names for Linux: /dev/xvda for root volume, /dev/sd[f-p] for data volumes.

 Newer Linux kernels may rename your devices to **/dev/xvdf** through **/dev/xvdp** internally, even when the device name entered here (and shown in the details) is **/dev/sdf** through **/dev/sdp**.

[Cancel](#) [Attach volume](#)

And thus we have attached the snapshot volume to our Instance and it is up and running.