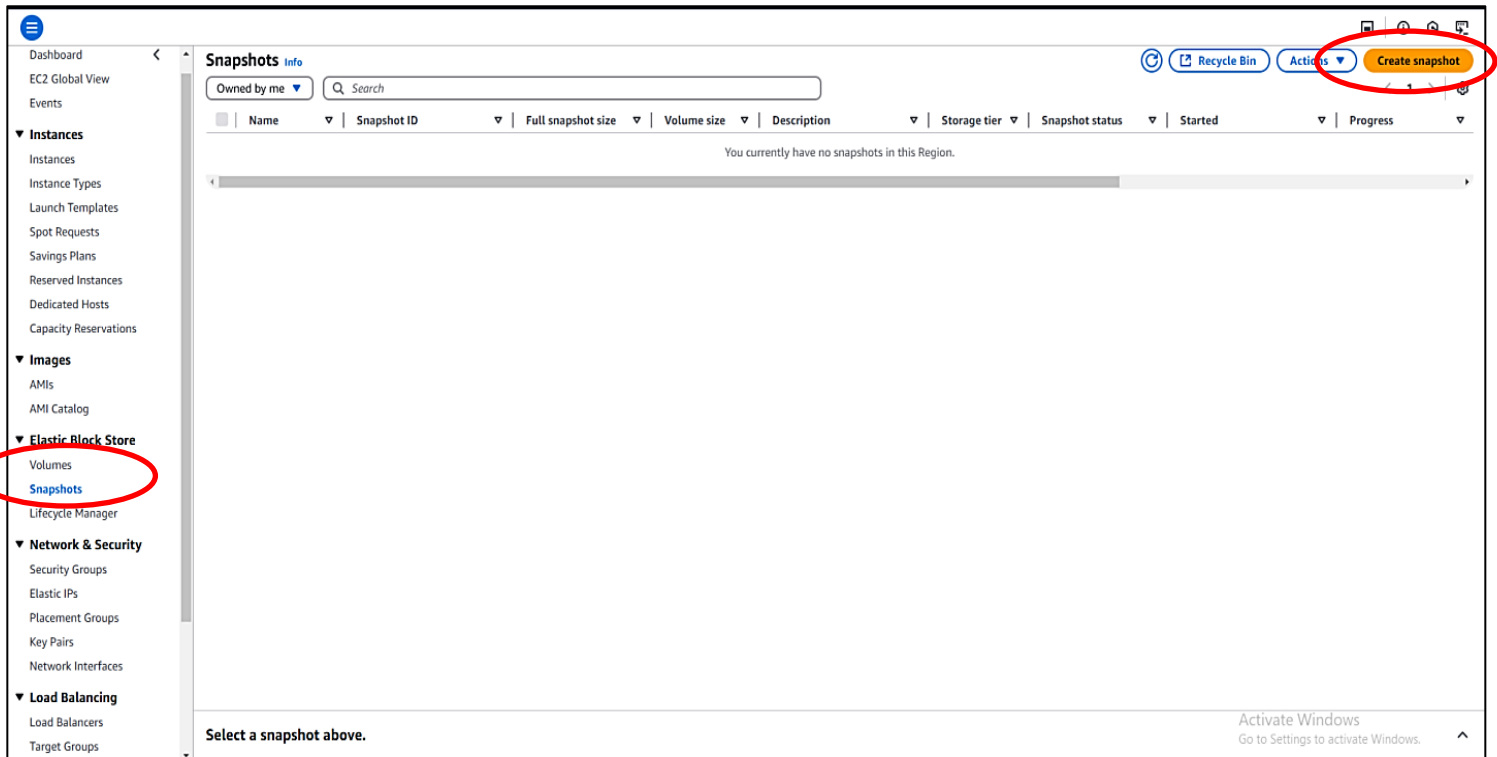


# Creating a snapshot from an instance.

1. Open the Amazon EC2 console at <https://console.aws.amazon.com/ec2/>.
2. In the navigation pane, choose **Snapshots**, **Create snapshot**.



3. For **Resource type**, choose **instance**.

**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.

**Source**

**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.

Select a volume

**Snapshot details**

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

255 characters maximum

**Tags** Info  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

No tags associated with the resource.

You can add 50 more tags.

Activate Windows  
Go to Settings to activate Windows.

#### 4. Select the instance that you want to backup under Instance ID.

**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.

**Source**  
**Resource type** Info  

☐ Volume  
Create a snapshot from a specific volume.


☒ Instance  
Create multi-volume snapshots from an instance.

**Instance ID**  
The instance from which to create multi-volume snapshots.  

i-034632d5262654d2f (Mynewinstance)  
us-east-1b

**Snapshot details**  
**Description**  
Add a description for your snapshot.  
  
255 characters maximum

**Volumes - optional** Info  
By default, all volumes attached to the instance are included in the multi-volume snapshot set. You can optionally exclude the root volume or specific data volumes. You can also indicate whether to copy the tags from the source volumes to the snapshots.  
**Exclude volumes**  
Indicate whether to exclude the root volume or specific data volumes from the snapshot set.  

☐ Exclude root volume (  vol-06ec973c8ac5fc5d8, Not encrypted)

☐ Exclude specific data volumes

  
**Copy tags from source volume**  
Indicate whether to copy the tags from the source volume to the snapshot.  

☐ Copy tags

#### 5. (Optional) Enter the description under Snapshot details and select to exclude volumes.

#### 6. Then, Click on create snapshot.

**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.

**Source**  
**Resource type** Info  

☐ Volume  
Create a snapshot from a specific volume.


☒ Instance  
Create multi-volume snapshots from an instance.

**Instance ID**  
The instance from which to create multi-volume snapshots.  

i-034632d5262654d2f (Mynewinstance)  
us-east-1b

**Snapshot details**  
**Description**  
Add a description for your snapshot.  
  
255 characters maximum

**Volumes - optional** Info  
By default, all volumes attached to the instance are included in the multi-volume snapshot set. You can optionally exclude the root volume or specific data volumes. You can also indicate whether to copy the tags from the source volumes to the snapshots.  
**Exclude volumes**  
Indicate whether to exclude the root volume or specific data volumes from the snapshot set.  

☐ Exclude root volume (  vol-06ec973c8ac5fc5d8, Not encrypted)

☐ Exclude specific data volumes

  
**Copy tags from source volume**  
Indicate whether to copy the tags from the source volume to the snapshot.  

☐ Copy tags

**Tags** Info  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.  
No tags associated with the resource.  

Add tag

  
You can add 50 more tags.

Cancel

Create snapshot

7. Now, a snapshot of an instance is created.

Successfully created snapshot snap-02a112cd84d200f75.

### Snapshots (1) Info

Owned by me Search

	Name	Snapshot ID	Full snapshot size	Volume size	Description	Storage tier	Snapshot status	Started
<input type="checkbox"/>	-	snap-02a112cd84d200f75	28.06 GiB	30 GiB	-	Standard	Completed	2025/02/19 15:30 GMT+5:...

## Creating an AMI from an instance:

1. In the navigation pane, choose **Snapshots**.

Dashboard  
EC2 Global View  
Events

▼ **Instances**  
Instances  
Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances  
Dedicated Hosts  
Capacity Reservations

▼ **Images**  
AMIs  
AMI Catalog

▼ **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

### Snapshots (1) Info

Owned by me Search

	Name	Snapshot ID	Full snapshot size	Volume size	Description	Storage tier	Snapshot status	Started	Progress
<input type="checkbox"/>	-	snap-04c695a57f4292713	0 B	30 GiB	Myvolumesnapshot	Standard	Completed	2025/02/19 12:22 GMT+5:...	100%

Select a snapshot above.

Activate Windows  
Go to Settings to activate Windows.

2. Select the snapshot to create **AMI** from snapshot and click on **Actions**.

Successfully created snapshot `snap-02a112cd84d200f75`.

Snapshots (1/1) Info

Owned by me Search

Recycle Bin Actions Create snapshot

<input checked="" type="checkbox"/>	Name	Snapshot ID	Full snapshot size	Volume size	Description	Storage tier	Snapshot status	Started
<input checked="" type="checkbox"/>	-	<code>snap-02a112cd84d200f75</code>	28.06 GiB	30 GiB	-	Standard	Completed	2025/02/19 15:30 GMT+5:...

3. Select **Create image from snapshot**.

Successfully created snapshot `snap-02a112cd84d200f75`.

Snapshots (1/1) Info

Owned by me Search

Recycle Bin Actions Create snapshot

- Create volume from snapshot
- Create image from snapshot
- Copy snapshot
- Launch copy duration calculator
- Delete snapshot
- Manage tags
- Snapshot settings
- Archiving

Snapshot ID: `snap-02a112cd84d200f75`

Details Snapshot settings Storage tier Tags

Snapshot ID	Full snapshot size	Progress	Snapshot status
-------------	--------------------	----------	-----------------

#### 4. Enter Image name and Description (*optional*)

### Create image from snapshot [Info](#)

Create a new image from a snapshot taken from the root device volume of an instance.

#### Image settings

**Snapshot ID**  
snap-02a112cd84d200f75

**Image name**  
A descriptive name for the image.  
Mysnapshotimage  
3 - 128 characters. Valid characters are a-z, A-Z, 0-9, spaces, and - \_ . ( ) [ ] ' .

**Description**  
A description for the image.  
snapshotimage  
255 characters maximum

**Architecture** [Info](#)  
Select i386 for 32-bit or x86\_64 for 64-bit.  
x86\_64

**Root device name** [Info](#)  
The device name that is reserved for the root volume.  
/dev/sda1

**Virtualization type** [Info](#)  
The virtualization type to be used by instances launched from this image.  
Hardware-assisted virtualization

#### 5. Click on **create image**.

Hardware-assisted virtualization

**Kernel ID** [Info](#)  
The operating system kernel for the AMI.  
Use default

**RAM disk ID** [Info](#)  
The RAM disk for the image.  
Use default

**Boot mode**  
Use default

#### Block device mappings - *optional* [Info](#)

▼ Volume 1

<b>Device type</b> Root	<b>Device name</b> /dev/sda1	<b>Snapshot</b> snap-02a112cd84d200f75
<b>Size (GiB)</b> 30	<b>Volume type</b> General Purpose SSD (gp3)	<b>IOPS</b> 3000
<b>Throughput (MB/s)</b> 125	<b>Termination behavior</b> <input checked="" type="checkbox"/> Delete on termination	<b>Encryption</b> <input type="checkbox"/> Encrypt volume

[Add volume](#)

#### Tags - *optional* [Info](#)

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

No tags associated with the resource.

[Add tag](#)

You can add 50 more tags.

[Cancel](#) [Create image](#)

6. A new AMI is now created for the instance and It is available in AMIs under **Images**.

Dashboard  
EC2 Global View  
Events

▼ **Instances**  
Instances  
Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances  
Dedicated Hosts  
Capacity Reservations

▼ **Images**  
AMIs  
AMI Catalog

▼ **Elastic Block Store**  
Volumes  
**Snapshots**  
Lifecycle Manager

① Successfully requested new image **ami-04b564bf0fa23260c**.  
The image is being created. The image-creation process can take several minutes to complete.

**Snapshots (1)** Info

Owned by me Search

<input type="checkbox"/>	Name	Snapshot ID	Full snapshot size	Volume
<input type="checkbox"/>	-	<a href="#">snap-02a112cd84d200f75</a>	28.06 GiB	30 G

7. Click on **AMIs** under **Images** and view the AMI created.

Amazon Machine Images (AMIs) (1) Info

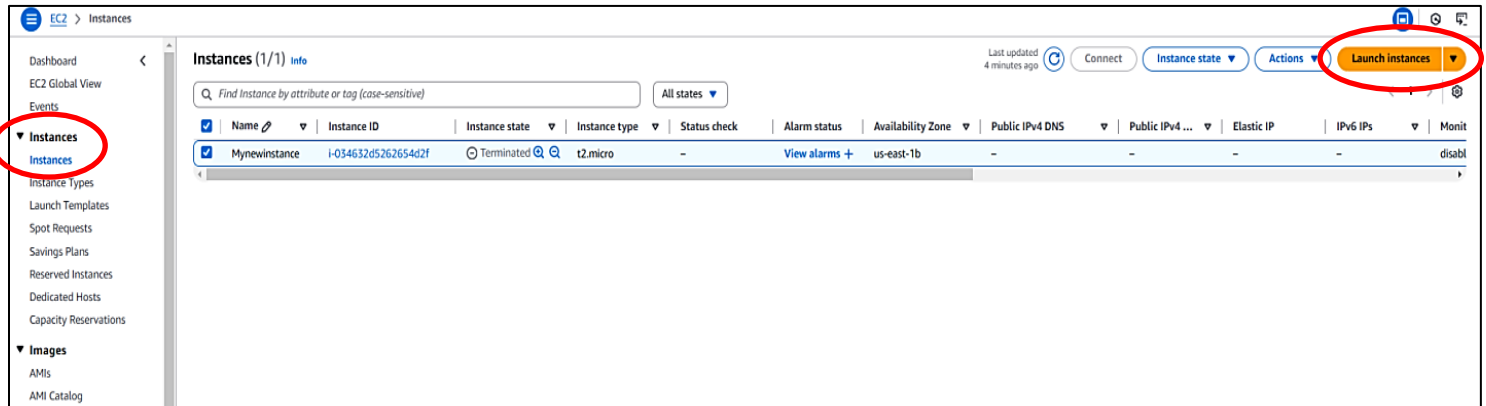
Owned by me Find AMI by attribute or tag

Recycle Bin EC2 Image Builder Actions Launch instance from AMI

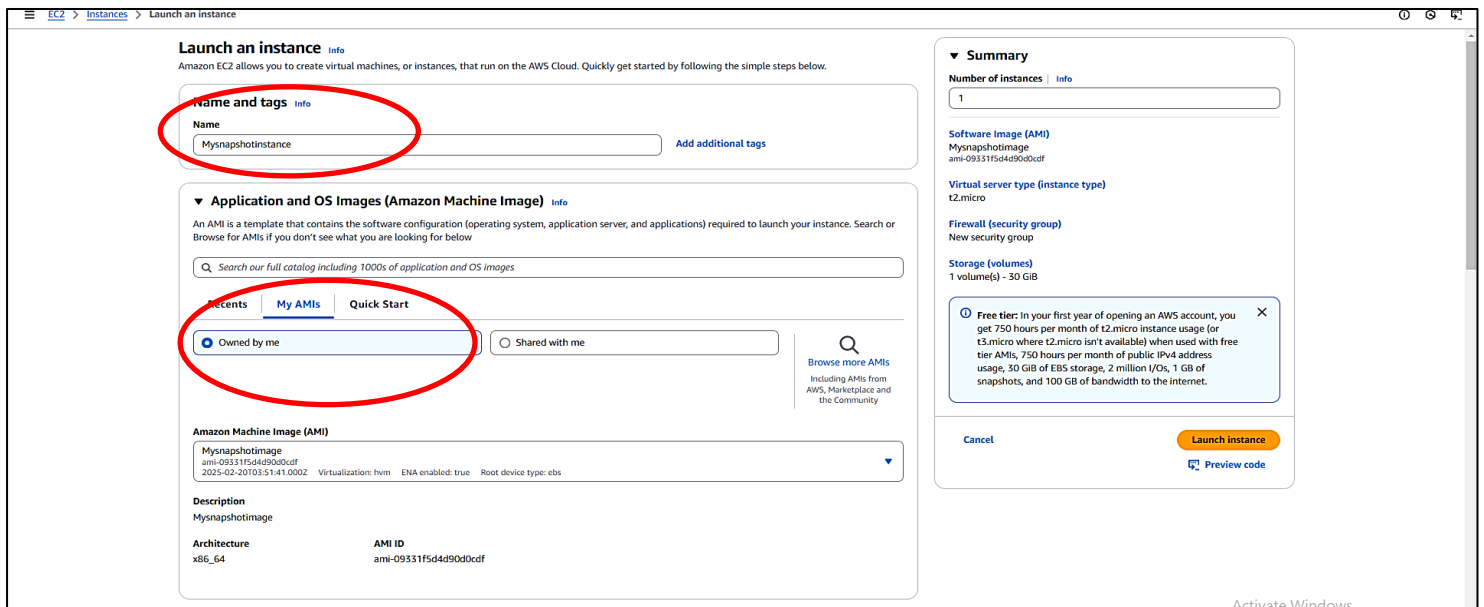
<input type="checkbox"/>	Name	AMI name	AMI ID	Source	Owner	Visibility	Status	Creation date	Platform
<input type="checkbox"/>		Mysnapshotimage	<a href="#">ami-04b564bf0fa23260c</a>	999740673543/Mysnapshotimage	999740673543	Private	Available	2025/02/19 16:03 GMT+5:30	Windows

# Restoring an instance from the snapshot

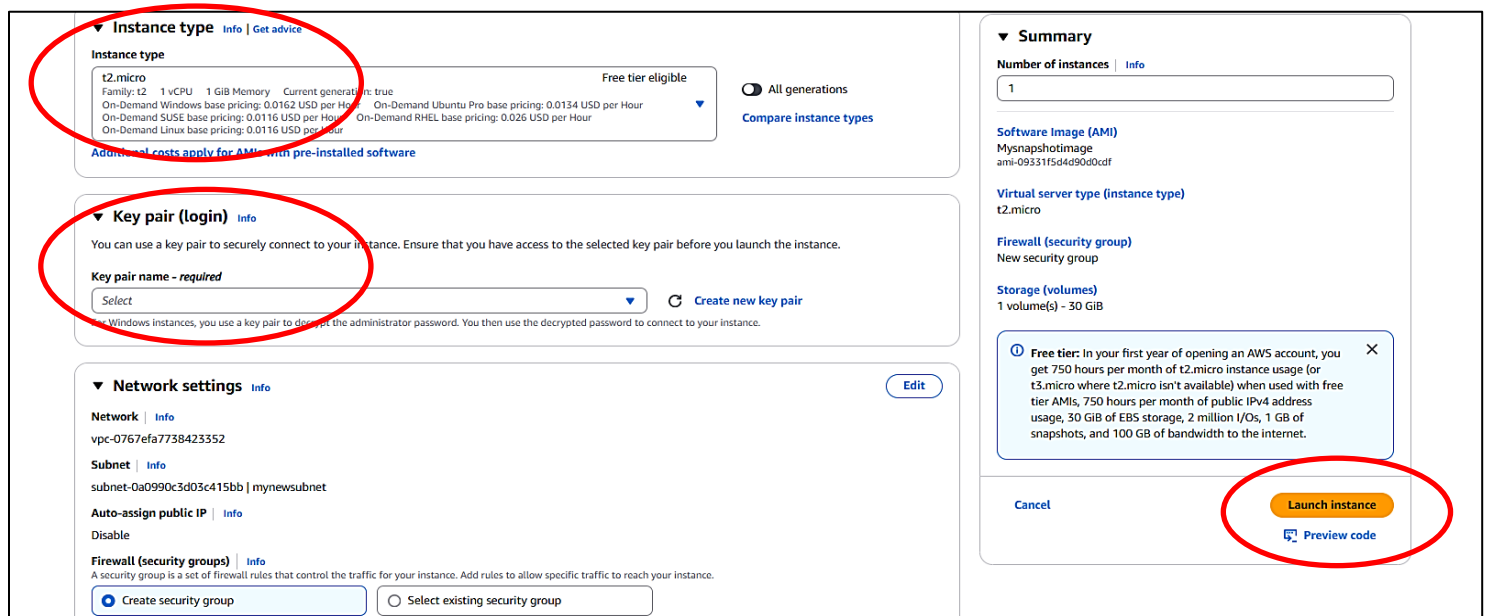
1. From the navigation pane, choose **instances** and click on **Launch Instances**.



2. Enter Name under **Name and tags** and Click on **My AMIs** under **Application and OS Images** (Amazon Machine Image) from where you can find the Image that you created from the snapshot.



3. Select instance type and create a key pair and click on **Launch Instance**.



4. Now, the instance got backed up from the snapshot successfully.

Instances (3) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

< 1 >

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elasti
<input type="checkbox"/>	Mynewinstance	i-034632d5262654d2f	Terminated	t2.micro	-	View alarms +	us-east-1b	-	-	-
<input type="checkbox"/>	Mysnapshotinstance	i-0eaf7dc2f7a95153c	Running	t2.micro	Initializing	View alarms +	us-east-1b	-	-	-
<input type="checkbox"/>	Myinstancefromsnapshot	i-09665de3c6ec09757	Shutting-d...	t2.micro	-	View alarms +	us-east-1b	-	-	-