

**Made By**

**Satish Rajurkar**

**Vaibhav Sarode**

**014 Practical - Create AMI and by using AMI Launch instance in different  
Zone, Region and AWS Account - 18 Feb 2022**

The screenshot shows the AWS EC2 Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (AMIs), and Elastic Block Store. The main content area displays the 'Instances (1/1)' page with a single instance listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
18-feb	i-05c7fcdb8f4148241	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	13.232.224.113

The 'Details' tab is selected in the instance details panel, showing the following information:

Instance ID	Public IPv4 address	Private IPv4 addresses
i-05c7fcdb8f4148241 (18-feb)	13.232.224.113   open address	172.31.32.178
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-13-232-224-113.ap-south-1.compute.amazonaws.com   open address
Hostname type	Private IP DNS name (IPv4 only)	Answer private resource DNS name
IP name: ip-172-31-32-178.ap-south-1.compute.internal	ip-172-31-32-178.ap-south-1.compute.internal	IPv4 (A)

At the bottom, there are links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons.

- Create instance or select instance for which you have to create AMI

The screenshot shows the AWS EC2 Management Console interface. On the left, a sidebar lists various services: EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with 'Instances' selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images (with 'AMIs' selected), and Elastic Block Store. The main content area displays a table titled 'Instances (1/1)'. A single instance is listed: Name '18-feb', Instance ID 'i-05c7fcdb8f4148241', Instance state 'Running', Instance type 't2.micro', and Status check '2/2 checks passed'. Below the table, a detailed view for 'Instance: i-05c7fcdb8f4148241 (18-feb)' is shown. The 'Details' tab is selected, displaying information such as Public IPv4 address (13.232.224.113), Private IPv4 address (172.31.32.178), Public IPv4 DNS (ec2-13-232-224-113.ap-south-1.compute.amazonaws.com), and Private IP DNS name (ip-172-31-32-178.ap-south-1.compute.internal). On the right, an 'Actions' menu is open, showing options like Connect, View details, Manage instance state, Instance settings, Networking, Security, Image and templates (which is highlighted in orange), and Monitor and troubleshoot.

- Click on **Actions** and then click on **Image and Templates**

The screenshot shows the AWS EC2 Management Console interface. On the left, a sidebar lists various services like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with 'Instances' selected), AMIs, and Elastic Block Store. The main content area displays a table of instances with one row selected: '18-feb' (Instance ID: i-05c7fcdb8f4148241). The instance is 'Running' on a 't2.micro' type with 2/2 checks passed. A context menu is open over the instance, with the 'Create image' option highlighted. Other options in the menu include 'Create template from instance', 'Launch more like this', 'View details', 'Manage instance state', 'Instance settings', 'Networking', 'Security', 'Image and templates', and 'Monitor and troubleshoot'. The bottom of the screen shows the Windows taskbar with various pinned icons.

- Click on Create Image

The screenshot shows the 'Create image' page in the AWS EC2 Management console. The instance ID is set to 'i-05c7fcdb8f4148241 (18-feb)'. The image name is '18-feb-ami' and the description is '18-feb-ami'. The 'Enable' checkbox is checked. Under 'Instance volumes', there is one EBS volume attached with a size of 8 GiB, an IOPS of 100, and both 'Delete on termination' and 'Encrypted' options enabled. A 'Create new snapshot from volume' button is also visible.

Create image [Info](#)

An image (also referred to as an AMI) defines the programs and settings that are applied when you launch an EC2 instance. You can create an image from the configuration of an existing instance.

Instance ID  
i-05c7fcdb8f4148241 (18-feb)

Image name  
18-feb-ami

Maximum 127 characters. Can't be modified after creation.

Image description - *optional*  
18-feb-ami

Maximum 255 characters

No reboot  
 Enable

Instance volumes

Volume type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/x...	Create new snapshot fr...	8	EBS General Purpose SS...	100		<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable

Add volume

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ENG IN 2:20 PM 2/18/2022

- Now add image Name, Description and tick on Enable

Create Image | EC2 Management

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#CreateImage:instanceId=i-05c7fcdb8f4148241

Services Search for services, features, blogs, docs, and more [Alt+S]

No reboot

Enable

Instance volumes

Volume type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/x...	Create new snapshot fr...	8	EBS General Purpose SS...	100		<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable

Add volume

During the image creation process, Amazon EC2 creates a snapshot of each of the above volumes.

Tags - optional

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.

Tag image and snapshots together  
Tag the image and the snapshots with the same tag.

Tag image and snapshots separately  
Tag the image and the snapshots with different tags.

No tags associated with the resource.

Add tag

You can add 50 more tags.

Cancel Create image

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ENG IN 2:24 PM 2/18/2022

The screenshot shows the 'Create Image' wizard in the AWS EC2 Management console. It's step 3 of 3, titled 'Configure instance volumes'. The user has selected 'No reboot' and 'Enable' checkboxes. Under 'Instance volumes', there's one EBS volume configured with size 8, IOPS 100, and 'Delete on termination' checked. A note says 'During the image creation process, Amazon EC2 creates a snapshot of each of the above volumes.' Below, 'Tags - optional' is explained, and two radio button options are shown: 'Tag image and snapshots together' (selected) and 'Tag image and snapshots separately'. A note says 'No tags associated with the resource.' At the bottom, there are 'Cancel' and 'Create image' buttons, along with standard browser navigation and search bars.

- Scroll Down
- Click on Create Image

The screenshot shows the AWS EC2 Management Console interface. At the top, a green success message box displays: "Successfully created ami-0ee9e958704def62a from instance i-05c7fcdb8f4148241." Below this, the main "Instances" table shows one item: "18-feb" (Instance ID: i-05c7fcdb8f4148241), which is "Running". The table includes columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, and Public IP. On the left sidebar, under the "Instances" section, there is a link to "Instances New". The bottom right corner of the screen shows the date and time as "2/18/2022 2:24 PM".

- Here our AMI is created sucessully.

**Now we will see how to launch  
instance by using AMI**

The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation includes:

- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances New
- Dedicated Hosts
- Capacity Reservations
- Images** New
  - AMIs** New
  - AMI Catalog
- Elastic Block Store**
  - Volumes New
  - Snapshots New
  - Lifecycle Manager New
- Network & Security**
  - Security Groups
  - Elastic IPs
  - Placement Groups
  - Key Pairs
  - Network Interfaces
- Load Balancing**

The main content area displays the "Amazon Machine Images (AMIs) (1)" table:

Name	AMI ID	AMI name	Source	Owner	Visibility
-	ami-0ee9e958704def62a	18-feb-ami	876283541003/18-feb-ami	876283541003	Private

A modal dialog titled "Select an AMI" is open at the bottom of the screen.

At the bottom of the browser window, there is a toolbar with various icons and the following footer text:

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- Now go to AMIs
- Which is left side of the aws console

The screenshot shows the AWS EC2 Management Console interface. On the left, there's a navigation sidebar with links like Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images (AMIs, New, Catalog), Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), and Load Balancing. The main content area is titled "Amazon Machine Images (AMIs) (1/1)" and shows a single item with ID i1003, which is Private and Available. A red box highlights the "Available" status under the "Status" column. Another red box highlights the "Launch instance from image" button in the Actions menu. A modal window is open for the AMI with ID ami-0ee9e958704def62a, displaying its details. The "Details" tab is selected, showing information such as AMI ID (ami-0ee9e958704def62a), Image type (machine), Platform details (Linux/UNIX), Root device type (EBS), AMI name (18-feb-ami), Owner account ID (876283541003), Architecture (x86\_64), Usage operation (RunInstances), Root device name (/dev/xvda), Status (Available), Source (876283541003/18-feb-ami), and Virtualization type (hvm). The bottom of the screen shows the standard Windows taskbar with various pinned icons.

- Now check the status of ami if it is **Available** then it is ready to use for launching new instances.
- Now click on **Launch instance from Image**

Launch instance wizard | EC2 Manager

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:ami=ami-0ee9e958704def62a

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1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

**Step 2: Choose an Instance Type**

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

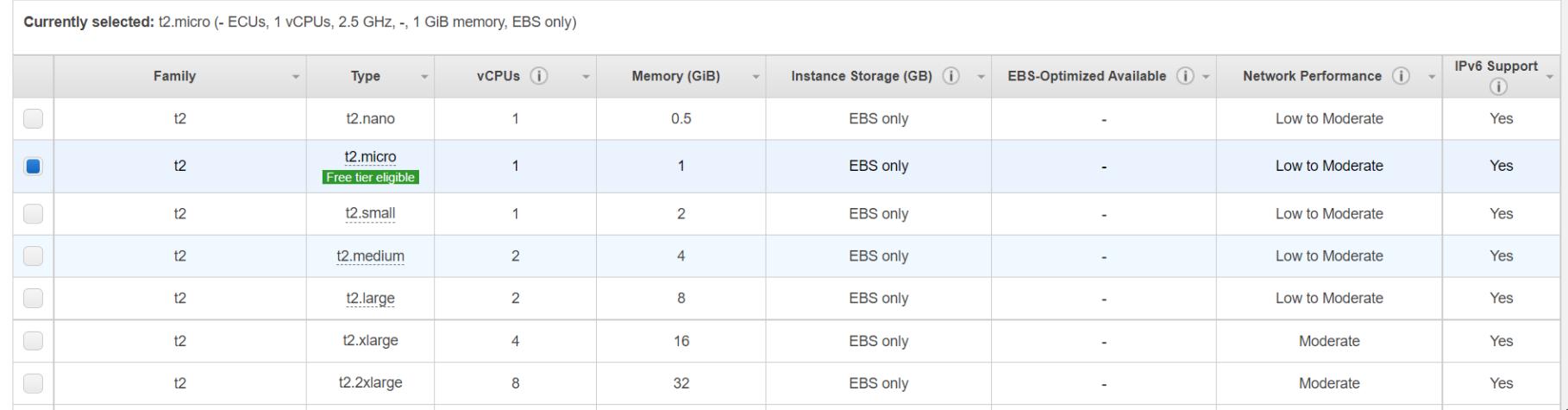
Filter by: All instance families Current generation Show/Hide Columns

Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, -, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

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- Click on next

Launch instance wizard | EC2 Manager

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:ami=ami-0ee9e958704def62a

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review [Alt+S]

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances: 1

Purchasing option: Request Spot instances

Network: vpc-08ffbc1bb43e9607f (default)

Subnet: subnet-0e6b0b3c19819e109 | Default in ap-south-1b

Auto-assign Public IP: No preference (default subnet in any Availability Zone)

Hostname type: Use subnet setting (IP name)

DNS Hostname: Enable IP name IPv4 (A record) DNS requests (checked), Enable resource-based IPv4 (A record) DNS requests (checked), Enable resource-based IPv6 (AAAA record) DNS requests (unchecked)

Placement group: Add instance to placement group

Capacity Reservation: Open

Domain join directory: No directory

Cancel Previous Review and Launch Next: Add Storage

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- We can choose any zone
- Click on next

Launch instance wizard | EC2 Manager

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:ami=ami-0ee9e958704def62a

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1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/xvda	snap-0e75fadfca4b7a96f	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

▼ Shared file systems

You currently don't have any file systems on this instance. Select "Add file system" button below to add a file system.

Add file system

Cancel Previous Review and Launch Next: Add Tags

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Click on next

Launch instance wizard | EC2 Manager

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:ami=ami-0ee9e958704def62a

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1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

**Step 5: Add Tags**

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.

A copy of a tag can be applied to volumes, instances or both.

Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key (128 characters maximum) Value (256 characters maximum) Instances Volumes Network Interfaces

Name this-instance-creating-using-AMI

Add another tag (Up to 50 tags maximum)

Cancel Previous **Review and Launch** Next: Configure Security Group

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Click on next

Launch instance wizard | EC2 Manager

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1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group:

Create a new security group  
 Select an existing security group

Security group name: launch-wizard-1

Description: launch-wizard-1 created 2022-02-18T14:38:34.739+05:30

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

Add Rule

**Warning**  
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Previous Review and Launch

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- Here we can set new Security Group or able to select Existing as well.
- Click on **Review and Launch**

Launch instance wizard | EC2 Manager

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:ami=ami-0ee9e958704def62a

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review [Alt+S]

Step 7: Review Instance Launch

Root Device Type: ebs Virtualization type: hvm

Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	-	1	1	EBS only	-	Low to Moderate

Security Groups

Security group name	Description
launch-wizard-1	launch-wizard-1 created 2022-02-18T14:38:34.739+05:30

Type: SSH Protocol: TCP Port Range: 22 Source: 0.0.0.0/0

Type: SSH Protocol: TCP Port Range: 22 Source: ::/0

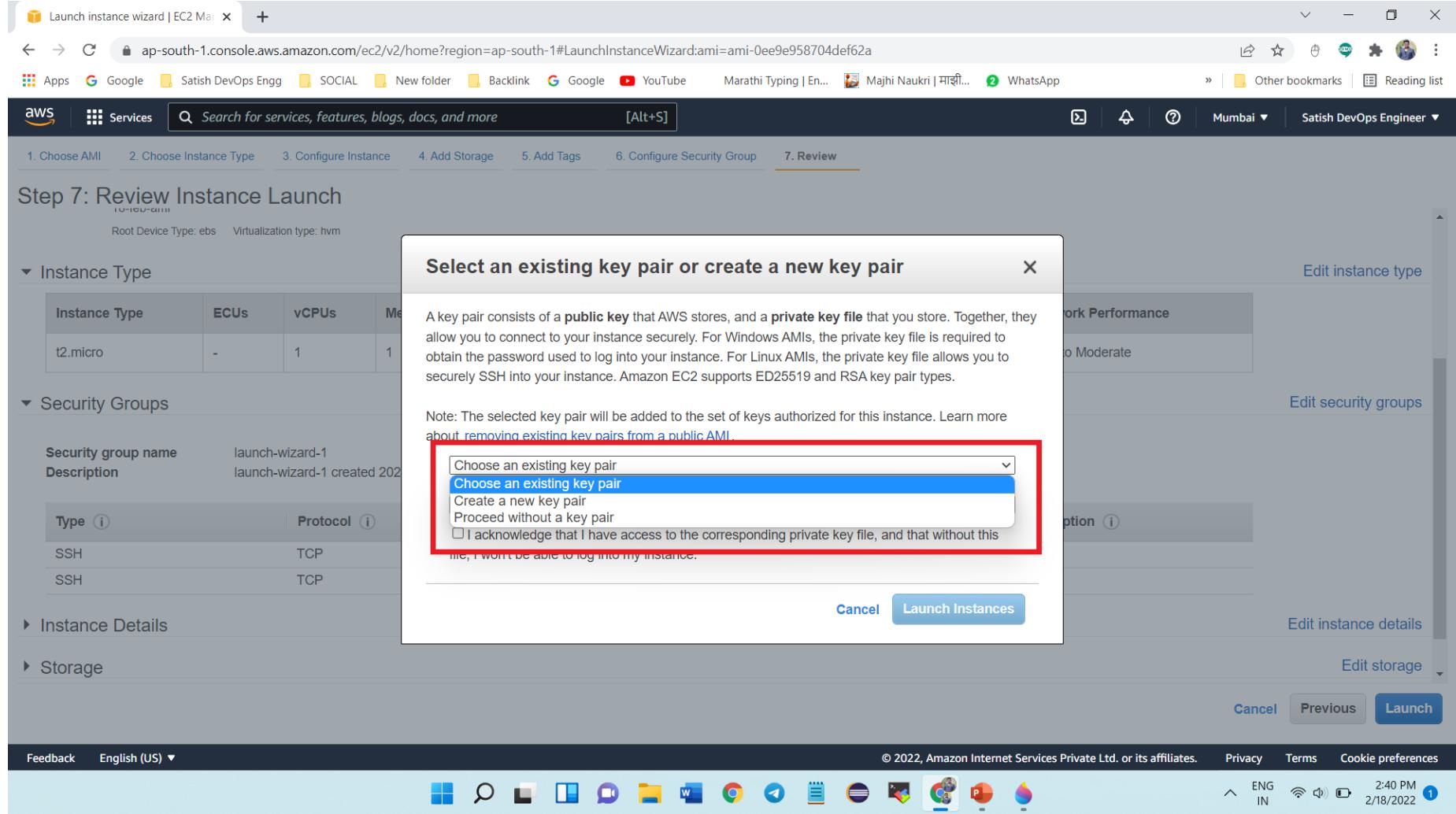
Instance Details

Storage

Cancel Previous Launch

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- Click on Launch



- Here we are able to choose an existing key pair or able to create new key pair
- Click on Launch Instance

The screenshot shows the AWS Launch Instance Wizard interface. At the top, the browser title bar reads "Launch instance wizard | EC2 Mar...". The address bar shows the URL "ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:ami=ami-0ee9e958704def62a". The AWS navigation bar includes links for "Services", "Search for services, features, blogs, docs, and more" (with a keyboard shortcut "[Alt+S]"), and user information like "Mumbai" and "Satish DevOps Engineer". Below the navigation bar, the main content area is titled "Launch Status". It displays a green box with a checkmark indicating "Your instances are now launching" and a link to "View launch log". Another box contains an info icon and text about getting notified of estimated charges, with a link to "Create billing alerts". A section titled "How to connect to your instances" provides instructions and links to helpful resources like the User Guide and Discussion Forum. At the bottom, there's a "View Instances" button and a standard browser footer with links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons.

- Here our instance is launched successfully from our AMI
- We can view it by clicking on View Instances

The screenshot shows the AWS EC2 Management Console. The left sidebar is collapsed, and the main area displays the 'Instances' page. The table lists two instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 ...
18-feb	i-05c7fcdb8f4148241	Running	t2.micro	2/2 checks passed	No alarms	+ ap-south-1a	13.232.224.113
<input checked="" type="checkbox"/> this-instance-creating-using-AMI	i-09a7c25e1c1e6723e	Running	t2.micro	Initializing	No alarms	+ ap-south-1b	15.206.84.89

A red box highlights the checkbox for the second instance and the 'Availability Zone' column for both instances. Below the table, a modal window titled 'Instance: i-09a7c25e1c1e6723e (this-instance-creating-using-AMI)' is open, showing detailed information for the selected instance.

- Here we can see that our instance is created which is in different zone from our previous instance zone.

**Now we will see how to copy AMI in  
different Region**

The screenshot shows the AWS EC2 Management Console interface. On the left, there is a navigation sidebar with sections for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with sub-options like Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (with sub-options like AMIs, AMI Catalog), and Elastic Block Store (with sub-options like Volumes, Snapshots, Lifecycle Manager). The main content area displays the "Amazon Machine Images (AMIs) (1)" list. The table has columns for Name, AMI ID, AMI name, Source, Owner, Visibility, and Status. One row is visible: "ami-0ee9e958704def62a" (Source: 876283541003/18-feb-ami, Owner: 876283541003, Visibility: Private, Status: Available). Below the table, a modal window titled "Select an AMI" is open, indicating that an AMI needs to be chosen for launching an instance.

- Now go to AMI and Select the AMI by using that you will able to launch instance in different region.

The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation includes 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Tags', 'Limits', 'Instances' (with 'Instances New' selected), 'Image Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances New', 'Dedicated Hosts', 'Capacity Reservations', 'Images' (with 'AMIs New' selected), 'AMI Catalog', 'Elastic Block Store' (with 'Volumes New' selected), 'Snapshots New', and 'Lifecycle Manager New'. The main content area displays 'Amazon Machine Images (AMIs) (1/1)' with a single entry: Name: ami-0ee9e958704def62a, AMI ID: ami-0ee9e958704def62a, AMI name: 18-feb-ami, Source: 876283541003/18-feb-ami, Owner: 876283541003. A context menu is open over this entry, listing options: Copy AMI, Edit AMI permissions, Request Spot Instances, Manage tags, Deregister AMI, Change description, Manage image optimization, Manage AMI Deprecation, and Register instance store-backed AMI. Below this, a detailed view for the AMI ID ami-0ee9e958704def62a is shown with tabs for Details, Permissions, Storage, and Tags. The Details tab displays the following information:

AMI ID	Image type	Platform details	Root device type
ami-0ee9e958704def62a	machine	Linux/UNIX	EBS
AMI name	Owner account ID	Architecture	Usage operation
18-feb-ami	876283541003	x86_64	RunInstances
Root device name	Status	Source	Virtualization type
/dev/xvda	Available	876283541003/18-feb-ami	hvm
Boot mode	State reason	Creation date	Kernel ID
-	-	Fri Feb 18 2022 14:24:31 GMT+0530 (India)	-

At the bottom, there are links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons for ENG IN, 3:05 PM, and 2/18/2022.

- Select AMI
- Click on Actions
- Click on **Copy AMI**

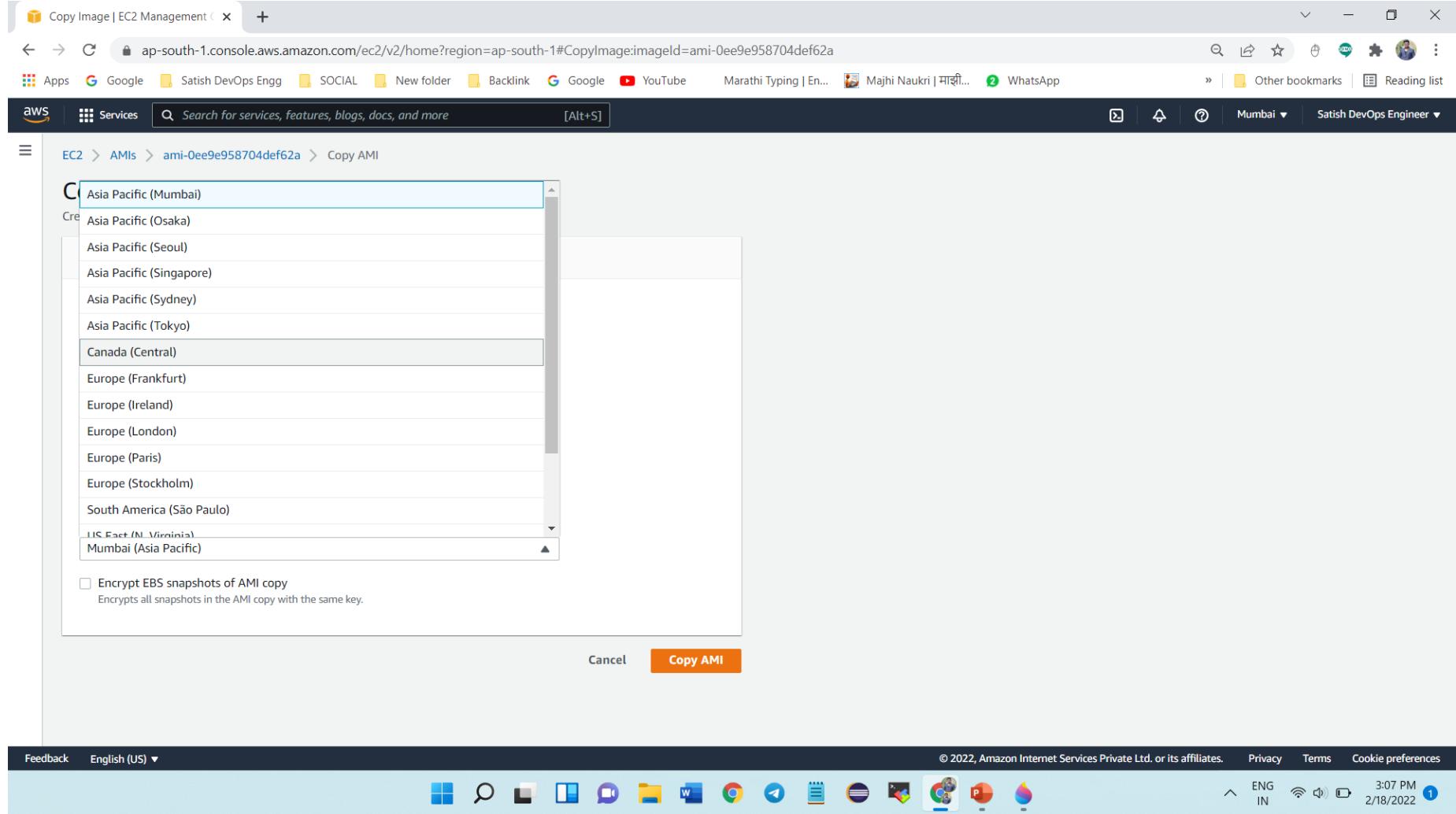
The screenshot shows the 'Copy AMI' dialog box from the AWS EC2 Management console. The dialog is titled 'Copy Amazon Machine Image (AMI)'. It contains the following fields:

- Original AMI ID:** ami-0ee9e958704def62a
- AMI copy name:** 18-feb-ami-COPY (highlighted with a red box)
- AMI copy description:** THIS-IS-COPY-OF-OUR-FIRST-AMI-18-feb-ami (highlighted with a blue box)
- Destination Region:** Mumbai (Asia Pacific)
- Encrypt EBS snapshots of AMI copy:** (unchecked checkbox)

At the bottom right of the dialog are 'Cancel' and 'Copy AMI' buttons. The 'Copy AMI' button is highlighted with an orange box.

The browser's address bar shows the URL: ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#CopyImage:imageId=ami-0ee9e958704def62a. The top navigation bar includes links for Apps, Google, Satish DevOps Engg, SOCIAL, New folder, Backlink, Google, YouTube, Marathi Typing | En..., Majhi Naukri | माझी..., WhatsApp, Mumbai, and Satish DevOps Engineer.

- We can able to change name, description and region also.



- Select any Region which you want

The screenshot shows the 'Copy AMI' dialog box on the AWS EC2 Management console. The URL in the browser is [ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#CopyImage:imageId=ami-0ee9e958704def62a](https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#CopyImage:imageId=ami-0ee9e958704def62a). The dialog box is titled 'Copy Amazon Machine Image (AMI)'. It contains the following fields:

- Original AMI ID:** ami-0ee9e958704def62a
- AMI copy name:** 18-feb-ami-COPY
- AMI copy description:** THIS-IS-COPY-OF-OUR-FIRST-AMI-18-feb-ami
- Destination Region:** US East (Ohio)
- Encrypt EBS snapshots of AMI copy:** (unchecked) Encrypts all snapshots in the AMI copy with the same key.

At the bottom right of the dialog box are 'Cancel' and 'Copy AMI' buttons. The 'Copy AMI' button is highlighted with a red border. The status bar at the bottom of the browser window shows the date and time as 2/18/2022 3:07 PM.

- I have selected **Ohio**
- Click on **Copy AMI**

The screenshot shows the AWS EC2 Management Console interface. The left sidebar includes links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (with sub-links for AMIs, AMI Catalog), and Elastic Block Store (with sub-links for Volumes, Snapshots, Lifecycle Manager). The main content area displays the 'Amazon Machine Images (AMIs)' table with one item: Name: ami-0ee9e958704def62a, AMI ID: ami-0ee9e958704def62a, AMI name: 18-feb-ami, Source: 876283541003/18-feb-ami, Owner: 876283541003, Visibility: Private, Status: Available. A red box highlights a message at the top: 'AMI copy operation for ami-0ee9e958704def62a initiated. It can take a few minutes for the AMI to be copied. You can check the progress of the operation in the AMI table in us-east-2. The AMI ID of the new AMI is ami-09c0c0af9a880fb8a.' Below the table is a modal window titled 'Select an AMI'.

Name	AMI ID	AMI name	Source	Owner	Visibility	Status
-	ami-0ee9e958704def62a	18-feb-ami	876283541003/18-feb-ami	876283541003	Private	Available

- Here we can see that our ami copy work is in progress for different region.

The screenshot shows the AWS EC2 Management Console with a modal dialog titled "AMI copy operation for ami-0ee9e958704def62a initiated". The modal provides instructions: "It can take a few minutes for the AMI to be copied. You can check the progress of the operation in the AMI table in us-east-2. The AMI ID of the new AMI will be displayed here once it is ready." Below the modal is a table titled "Amazon Machine Images (AMIs) (1)" with one item: "Name: ami-0ee9e958704def62a, AMI ID: ami-0ee9e958704def62a, AMI name: 18-feb-ami, Source: 876283541003/18-feb-ami". To the right of the table is a dropdown menu listing various AWS regions and their corresponding endpoint names. The region "Asia Pacific (Mumbai) ap-south-1" is highlighted. The console interface includes a sidebar with navigation links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The status bar at the bottom shows the date and time as "2/18/2022 3:12 PM".

AMI copy operation for ami-0ee9e958704def62a initiated  
It can take a few minutes for the AMI to be copied. You can check the progress of the operation in the AMI table in us-east-2. The AMI ID of the new AMI will be displayed here once it is ready.

Name	AMI ID	AMI name	Source
-	ami-0ee9e958704def62a	18-feb-ami	876283541003/18-feb-ami

Select an AMI

US East (N. Virginia) us-east-1  
US East (Ohio) us-east-2  
US West (N. California) us-west-1  
US West (Oregon) us-west-2  
Africa (Cape Town) af-south-1  
Asia Pacific (Hong Kong) ap-east-1  
Asia Pacific (Jakarta) ap-southeast-3  
**Asia Pacific (Mumbai) ap-south-1**  
Asia Pacific (Osaka) ap-northeast-3  
Asia Pacific (Seoul) ap-northeast-2  
Asia Pacific (Singapore) ap-southeast-1  
Asia Pacific (Sydney) ap-southeast-2  
Asia Pacific (Tokyo) ap-northeast-1  
Canada (Central) ca-central-1  
Europe (Frankfurt) eu-central-1  
Europe (Ireland) eu-west-1

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- Change your region in which you have created copy of your AMI

The screenshot shows the AWS EC2 Management Console interface. The top navigation bar includes the AWS logo, a search bar, and a dropdown for the region set to "Ohio". The left sidebar has sections for New EC2 Experience, EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with sub-options like Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (with sub-options like AMIs, AMI Catalog, and Elastic Block Store), and Feedback. The main content area displays "Amazon Machine Images (AMIs) (1/1)" with a single entry. The table columns are Name, AMI ID, AMI name, Source, Owner, and Visibility. The entry shows an AMI ID of "ami-09c0c0af9a880fb8a", an AMI name of "18-feb-ami-COPY", a source of "876283541003/18-feb-ami-COPY", owner "876283541003", and visibility "Private". A red box highlights the "18-feb-ami-COPY" name. Below the table, a modal window titled "AMI ID: ami-09c0c0af9a880fb8a" provides detailed information about the AMI, including its ID, type, platform, root device, owner, architecture, usage operation, status, source, and virtualization type. The "Details" tab is selected. The bottom of the screen shows the footer with copyright information, privacy terms, cookie preferences, and system status indicators.

Name	AMI ID	AMI name	Source	Owner	Visibility
-	ami-09c0c0af9a880fb8a	18-feb-ami-COPY	876283541003/18-feb-ami-COPY	876283541003	Private

AMI ID: ami-09c0c0af9a880fb8a

Details			
AMI ID	Image type	Platform details	Root device type
ami-09c0c0af9a880fb8a	machine	Linux/UNIX	EBS
AMI name	Owner account ID	Architecture	Usage operation
18-feb-ami-COPY	876283541003	x86_64	RunInstances
Root device name	Status	Source	Virtualization type
/dev/xvda	Pending	876283541003/18-feb-ami-COPY	hvm

- Go in AMI Section
- Here we can see that our AMI is created in Ohio Region and we can use it for launching new instances.

**Now we will see how to share AMI to  
different AWS Console User Account**

The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation includes 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Tags', 'Limits', 'Instances' (with 'Instances New' selected), 'Image Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances New', 'Dedicated Hosts', 'Capacity Reservations', 'Images' (with 'AMIs New' selected), 'AMI Catalog', 'Elastic Block Store' (with 'Volumes New' selected), 'Snapshots New', and 'Lifecycle Manager New'. The main content area displays 'Amazon Machine Images (AMIs) (1/1)' with a single entry:

Name	AMI ID	AMI name	Source	Owner
-	ami-0ee9e958704def62a	18-feb-ami	876283541003/18-feb-ami	876283541003

An 'Actions' dropdown menu is open over the first row, listing options: Copy AMI, Edit AMI permissions, Request Spot Instances, Manage tags, Deregister AMI, Change description, Manage image optimization, Manage AMI Deprecation, and Register instance store-backed AMI. A status indicator 'Available' is shown next to the AMI ID. Below this, a detailed view for the selected AMI (ami-0ee9e958704def62a) is displayed with tabs for Details, Permissions, Storage, and Tags. The Details tab shows the following information:

AMI ID	Image type	Platform details	Root device type
ami-0ee9e958704def62a	machine	Linux/UNIX	EBS
AMI name	Owner account ID	Architecture	Usage operation
18-feb-ami	876283541003	x86_64	RunInstances
Root device name	Status	Source	Virtualization type
/dev/xvda	Available	876283541003/18-feb-ami	hvm
Boot mode	State reason	Creation date	Kernel ID
-	-	Fri Feb 18 2022 14:24:31 GMT+0530 (India)	-

At the bottom, there are links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons for ENG IN, 4:02 PM, and 2/18/2022.

- Click on Actions
- Click on Edit AMI Permissions

The screenshot shows the 'Edit AMI permissions' page in the AWS Management Console. The URL in the address bar is `ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#EditImagePermissions:imageId=ami-0ee9e958704def62a`. The page title is 'Edit AMI permissions'. The main content area is titled 'AMI share settings' and contains the following information:

- AMI ID:** ami-0ee9e958704def62a
- Associated snapshot IDs:** snap-0e75fadfc4b7a96f
- Checkboxes:** A checked checkbox labeled 'Add 'Create volume' permission to associated snapshots when creating account permissions.' with a note 'This setting only applies when you share an AMI with specific AWS accounts.'
- AMI availability:** A selected radio button for 'Private - (current setting)', with a note 'Share the AMI with specific accounts, organizations, or OUs.'

Below this, there is a section titled 'Shared accounts (1)' with a table showing one account:

Shared account ID
271357771776

With buttons for 'Remove selected' and 'Add account ID'.

At the bottom of the page, there are links for 'Feedback', 'English (US) ▾', '© 2022, Amazon Internet Services Private Ltd. or its affiliates.', 'Privacy', 'Terms', 'Cookie preferences', and system status indicators for language (ENG IN), connectivity, and date/time (4:09 PM, 2/18/2022).

- Tick on Add ‘create volume’
- Scroll down

The screenshot shows the AWS Management Console with the URL [ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#EditImagePermissions:imageId=ami-0ee9e958704def62a](https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#EditImagePermissions:imageId=ami-0ee9e958704def62a). The page is titled "Edit image permissions | EC2 Manager". The top navigation bar includes links for Apps, Google, Satish DevOps Engg, SOCIAL, New folder, Backlink, Google, YouTube, Marathi Typing | En..., Majhi Naukri | माझी..., WhatsApp, Other bookmarks, and Reading list. The AWS logo and Services menu are also present. A sidebar on the left shows "Shared accounts (0)" and "Shared organizations/OU (0)". At the bottom, there are "Cancel" and "Save changes" buttons, along with standard browser controls like back, forward, search, and refresh.

This setting only applies when you share an AMI with specific AWS accounts.

AMI availability

Public  
Share the AMI publicly with all AWS users.

Private - (current setting)  
Share the AMI with specific accounts, organizations, or OUs.

Shared accounts (0)

Remove selected Add account ID

Find shared accounts by account ID

Shared account ID

This AMI is not shared with any other accounts.

Shared organizations/OU (0)

Remove selected Add organization/OU ARN

Find shared organizations and OUs by ARN

Shared organization/OU ARNs

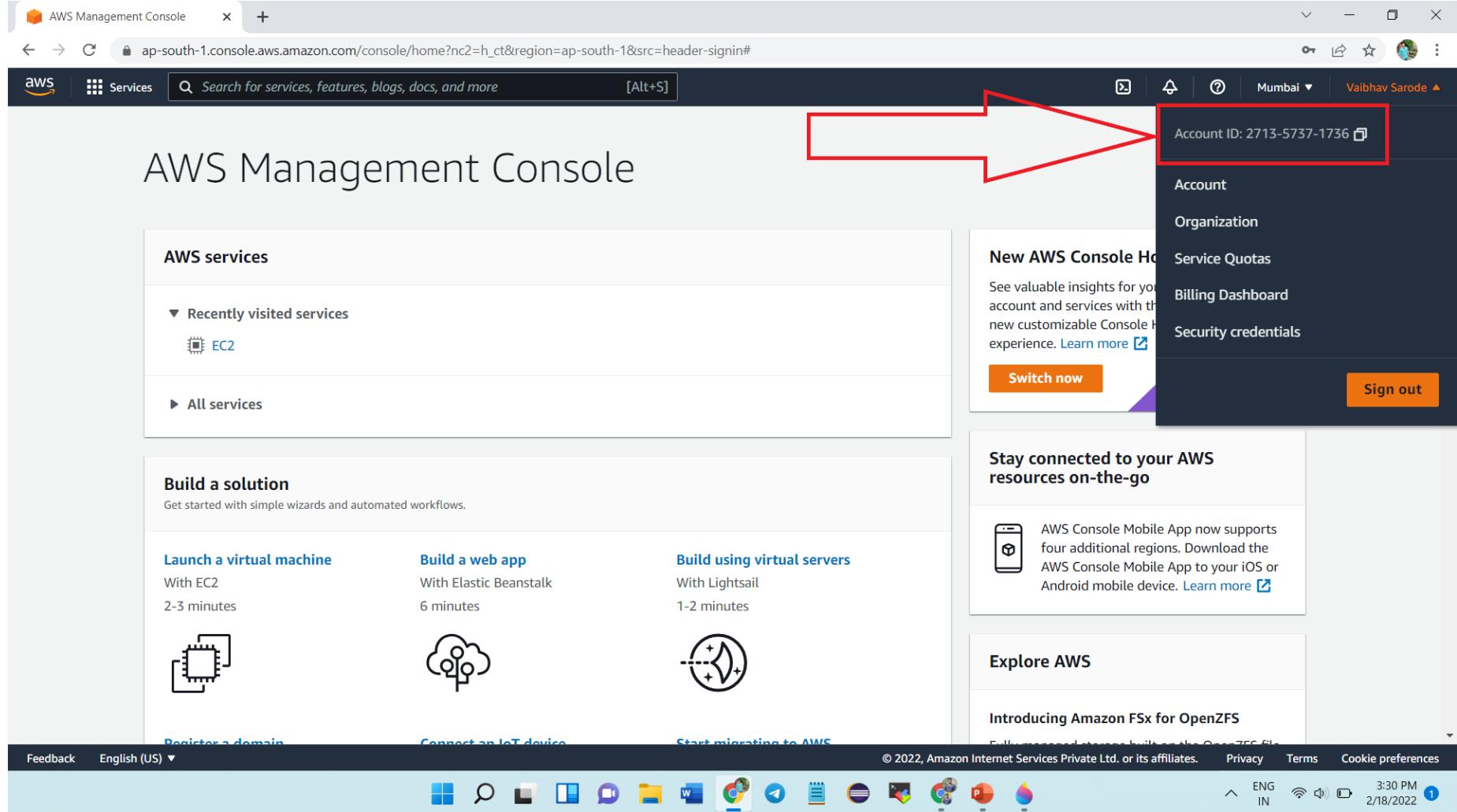
This AMI is not shared with any organizations/OUs.

Cancel Save changes

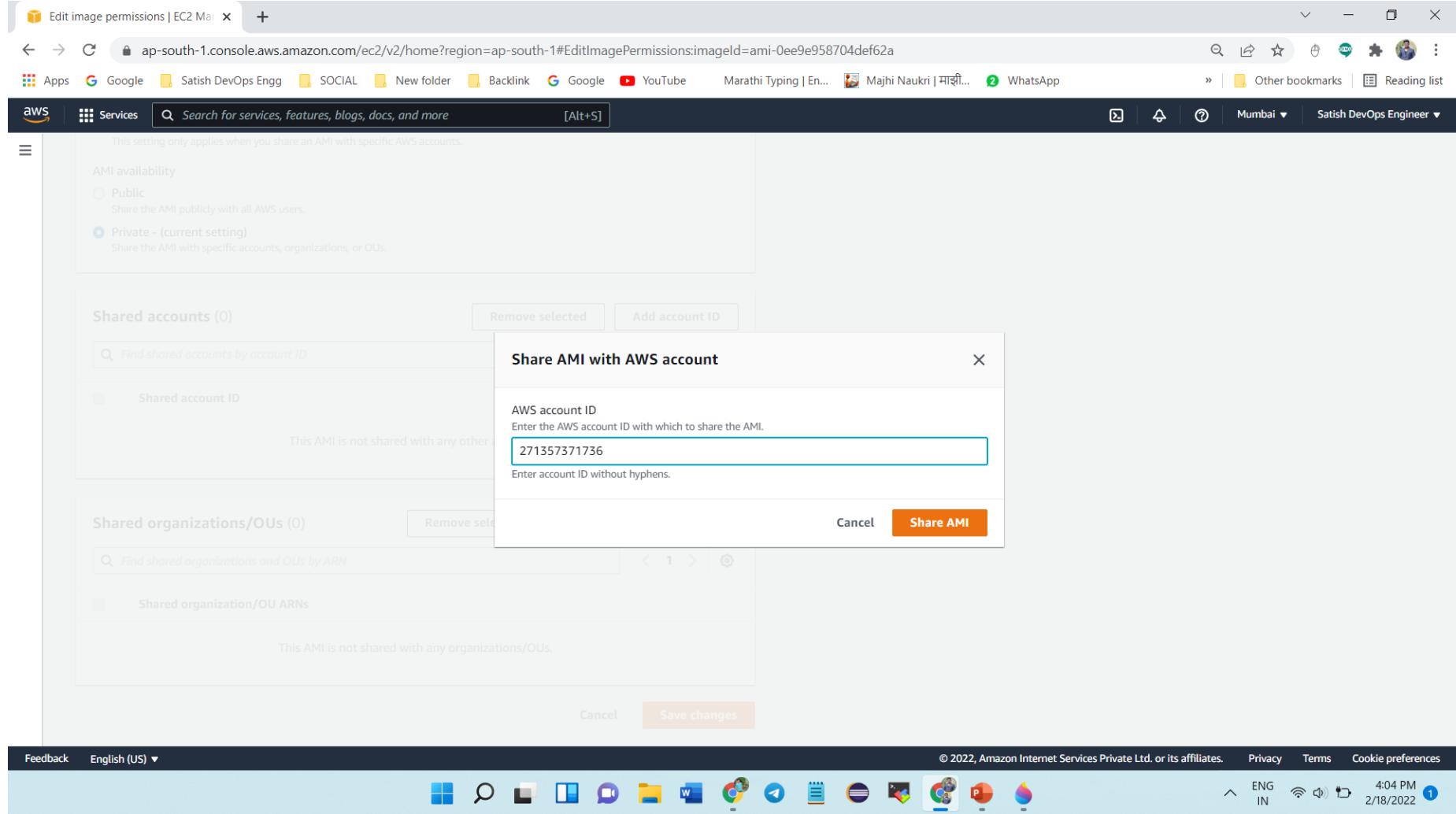
Feedback English (US) ▾ © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences

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- Click on Add account ID



- Now login to different AWS Account
- And copy this account ID



- Paste here and click on Share AMI

Edit image permissions | EC2 Manager

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#EditImagePermissions:imageId=ami-0ee9e958704def62a

Services Search for services, features, blogs, docs, and more [Alt+S]

AMI availability

Public Share the AMI publicly with all AWS users.

Private - (current setting) Share the AMI with specific accounts, organizations, or OUs.

Shared accounts (1)

Remove selected Add account ID

Find shared accounts by account ID

< 1 >

Shared account ID

271357371736

Shared organizations/OU's (0)

Remove selected Add organization/OU ARN

Find shared organizations and OU's by ARN

< 1 >

Shared organization/OU ARNs

This AMI is not shared with any organizations/OU's.

Cancel Save changes

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ENG IN 4:04 PM 2/18/2022

- Click on save changes

The screenshot shows the AWS EC2 Management Console interface. The top navigation bar includes links for Apps, Google, Satish DevOps Engg, SOCIAL, New folder, Backlink, Google, YouTube, Marathi Typing | En..., Majhi Naukri | माझी..., WhatsApp, Other bookmarks, and Reading list. The main menu bar has tabs for AWS, Services, and a search bar. A notification at the top right says "Successfully updated permissions for ami-0ee9e958704def62a." The left sidebar contains sections for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (with sub-links for AMIs, AMI Catalog), and Elastic Block Store (with sub-links for Volumes, Snapshots, Lifecycle Manager). The main content area displays the "Amazon Machine Images (AMIs) (1)" table with one item: Name: ami-0ee9e958704def62a, AMI ID: ami-0ee9e958704def62a, AMI name: 18-feb-ami, Source: 876283541003/18-feb-ami, Owner: 876283541003, Visibility: Private, Status: Available. Below this is a modal window titled "Select an AMI" with a close button.

- Here our AMI is shared to another AWS account

The screenshot shows the AWS EC2 Management Console interface. The main pane displays a table of instances with one item listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
original-linux-...	i-09bd515edefcd5570	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b	ec2-13-233-118-

A red box highlights the first row of the table. A modal window titled "Select an instance" is open at the bottom left, indicating that an instance has been selected for further action.

- Here we can check it is that account.

**Launching of instances from AMI is same for all.**

**Thanks for doing practical with us**