

AWS Tasks On EC2 Service.

Task 5 :- “Enable Public Availability Of Image.”

1. Launch An EC2 Instance.

Launch an instance | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:

Google recommends setting Chrome as default [Set as default](#)

aws Search [Alt+S]

S3 IAM EC2 VPC

EC2 > Instances > Launch an instance

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name

 [Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Recents Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

...

[Browse more AMIs](#)

▼ Summary

Number of instances [Info](#)

[Software Image \(AMI\)](#)
Amazon Linux 2023.6.2...[read more](#)
ami-0614680123427b75e

[Virtual server type \(instance type\)](#)
t2.micro

[Firewall \(security group\)](#)
New security group

[Storage \(volumes\)](#)
1 volume(s) - 8 GiB

[Cancel](#) [Launch instance](#) [Preview code](#)

2. Then Create Image , Select Instance→ Action → Image and Templates → Create Image.

Instances | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:

Google recommends setting Chrome as default [Set as default](#)

aws Search [Alt+S]

S3 IAM EC2 VPC

EC2 Global View

Events

Instances [Info](#)

Last updated less than a minute ago

[Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

[Running](#)

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm state
<input checked="" type="checkbox"/>	Ec2-instance	i-051b86e0d6185f987	Running	t2.micro	2/2 checks passed	View alarm

[Connect](#)[View details](#)[Manage instance state](#)[Instance settings](#)[Networking](#)[Security](#)[Image and templates](#)[Monitor and troubleshoot](#)

[Create image](#)[Create template from instance](#)[Launch more like this](#)

i-051b86e0d6185f987 (Ec2-instance)

[Details](#) [Status and alarms](#) [Monitoring](#) [Security](#) [Networking](#) [Storage](#) [Tags](#)

▼ Instance summary [Info](#)

3. Click On Create Image.

The screenshot shows the AWS Management Console 'Create image' page for an EC2 instance. The breadcrumb navigation is 'EC2 > Instances > i-051b86e0d6185f987 > Create image'. The page has several sections: 'Storage type' with a table showing 'EBS' as the device, 'Create new snapshot...' as the snapshot, '8' as the size, 'EBS General Purpose' as the volume type, '3000' as IOPS, and 'Delete on termination' set to 'Enable'. Below this is an 'Add volume' button and a note: 'During the image creation process, Amazon EC2 creates a snapshot of each of the above volumes.' The 'Tags' section is titled 'Tags - optional' and explains that tags are labels for AWS resources. It has two radio buttons: 'Tag image and snapshots together' (selected) and 'Tag image and snapshots separately'. Below the tags section is an 'Add new tag' button. At the bottom right are 'Cancel' and 'Create image' buttons. The bottom of the screen shows a Windows taskbar with a weather widget (16°C, Mostly sunny) and various application icons.

4. Check In, EC2 → AMIs → Action → Edit AMI Permission, The Public Availability is Disable Now.

The screenshot shows the AWS Management Console 'Edit image permissions' page for an AMI. The breadcrumb navigation is 'EC2 > AMIs > ami-010b74b79e3957a23 > Edit image permissions'. The page title is 'Edit AMI permissions' with an 'info' link. Below the title is a description: 'By editing the permissions of an AMI, you can share it with the AWS accounts, organizations, or OUs that you specify.' The 'AMI share settings' section shows the 'AMI ID' as 'ami-010b74b79e3957a23' and 'AMI availability' set to 'Private - (current setting)'. The 'Shared accounts (0)' section has a search bar with the placeholder 'Find shared accounts by account ID' and a 'Remove selected' button. At the bottom, it says 'This AMI is not shared with any other accounts.' The bottom of the screen shows a Windows taskbar with a weather widget (16°C, Mostly sunny) and various application icons.

5. To Enable It , Select Img → Permission → Click On Data Protection And Security.

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for Dashboard, EC2 Global View, Events, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, and Snapshots. The main content area displays the 'Amazon Machine Images (AMIs) (1/1) Info' page. The 'Permissions' tab is selected, showing the 'Image share permission' set to 'Private'. A message indicates that restrictions for sharing images publicly are managed using the 'Block public access for AMIs' setting under 'Data protection and security'.

6. Enable Block New Public Sharing And Update.

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for Dashboard, EC2 Global View, Events, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, and Snapshots. The main content area displays the 'Manage block public access for AMIs' page. The 'Block new public sharing' checkbox is checked. The page title is 'Block public access for AMIs'. The description states: 'Manage the setting to block or allow the public sharing of your AMIs in this Region.'

7. Confirm And Allow Public Sharing.

The screenshot shows the AWS Management Console interface. The browser address bar indicates the URL: `ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ModifyBlockPublicAccessForAmis:`. The page title is "Block public access for AMIs". A modal dialog titled "Allow public sharing" is open, displaying a warning: "When this setting is disabled, your AMIs can be publicly shared. Any AWS user can access a publicly shared AMI, which can be a security risk." Below the warning, it states: "We recommend that you privately share your AMIs with the accounts that need access to them." The dialog asks for confirmation to proceed with allowing public sharing, with a text input field containing the word "confirm". The "Allow public sharing" button is highlighted in orange.

8. Now Check In, EC2 → AMIs → Action → Edit AMI Permission, The Public Availability is Disable.

The screenshot shows the AWS Management Console interface. The browser address bar indicates the URL: `ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#EditImagePermissions:imageId=ami-010b74b79e3957a23`. The page title is "Edit AMI permissions". The "AMI share settings" section shows the "AMI ID" as `ami-010b74b79e3957a23` and the "Associated snapshot IDs" as `snap-0384725b4cce6d90`. The "AMI availability" section shows the "Public" radio button selected, indicating that the AMI is publicly available. The "Save changes" button is highlighted in orange.

THANK YOU !!

