

Task 4 :- "Enable Public Availability Of Image."

1. Launch An EC2 Instance.

The screenshot shows the AWS Management Console interface for launching an EC2 instance. The top navigation bar includes the AWS logo, a search bar, and user information (Mumbai, saurabh.jadhav). The main header shows the breadcrumb path: EC2 > Instances > Launch an instance. The 'Launch an instance' section provides a brief overview of EC2 instances. Below this, the 'Name and tags' section has a text input field containing 'my-instance' and a link to 'Add additional tags'. The 'Application and OS Images (Amazon Machine Image)' section features a search bar and a 'Quick Start' tab. Under 'Quick Start', several AMI categories are listed: Amazon Linux, macOS, Ubuntu, Windows, Red Hat, and SUSE Linux. On the right, a 'Summary' panel displays the configuration: 1 instance, Amazon Linux 2023.6.2 AMI (ami-0fd05997b4dff7aac), t2.micro instance type, New security group, and 1 volume (8 GiB). At the bottom right of the summary, there are 'Cancel' and 'Launch instance' buttons, along with a 'Preview code' link.

2. Then Create Image , Select Instance -> Action -> Image and Templates -> Create Image.

The screenshot displays the AWS Management Console 'Instances' page. The top navigation bar is consistent with the previous image. The left sidebar shows the navigation menu with categories like Dashboard, EC2 Global View, Events, Instances, Images, and Elastic Block Store. The main content area shows a table of instances. One instance, 'my-instance' (ID: i-035405a7f134a7d14), is in the 'Running' state and is of type 't2.micro'. The 'Actions' menu is open for this instance, showing options like 'Connect', 'View details', 'Manage instance state', 'Instance settings', 'Networking', 'Security', 'Image and templates', and 'Monitor and troubleshoot'. The 'Image and templates' option is highlighted. Below the table, the 'Details' tab for the selected instance is visible, showing the 'Instance summary' with fields for Instance ID, Public IPv4 address (43.204.114.18), Private IPv4 addresses (172.31.3.242), IPv6 address, Instance state, and Public IPv4 DNS.

3. Click On Create Image.

The screenshot shows the AWS Management Console interface for the 'Create image' page. The breadcrumb navigation at the top reads: EC2 > Instances > i-035405a7f134a7d14 > Create image. The page title is 'Create image' with an 'Info' link. A descriptive paragraph states: '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.'

The main configuration area includes:

- Instance ID:** i-035405a7f134a7d14 (my-instance)
- Image name:** A text input field containing 'image-instance'. Below it, a note says: 'Maximum 127 characters. Can't be modified after creation.'
- Image description - optional:** A text input field containing 'Image description'. Below it, a note says: 'Maximum 255 characters'
- Reboot instance:** A checkbox that is checked. Below it, a note says: 'When selected, Amazon EC2 reboots the instance so that data is at rest when snapshots of the attached volumes are taken. This ensures data consistency.'
- Instance volumes:** A table with columns: Storage type, Device, Snapshot, Size, Volume type, IOPS, Throughput, Delete on termination, and Encrypted.

The bottom of the console shows a dark navigation bar with 'CloudShell' and 'Feedback' links, and a footer with '© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'. The Windows taskbar is visible at the very bottom.

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

The screenshot shows the AWS Management Console interface for the 'Edit AMI permissions' page. The breadcrumb navigation at the top reads: EC2 > AMIs > ami-010b74b79e3957a23 > Edit AMI permissions. The page title is 'Edit AMI permissions' with an 'Info' link. A descriptive paragraph states: 'By editing the permissions of an AMI, you can share it with the AWS accounts, organizations, or OUs that you specify.'

The main configuration area includes:

- AMI share settings:**
 - AMI ID:** ami-010b74b79e3957a23
 - AMI availability:** Two radio buttons are present: 'Public' (unselected) and 'Private - (current setting)' (selected). Below 'Public' is a note: 'Share the AMI publicly with all AWS users. This option has been de-activated by the administrator of your account.' Below 'Private' is a note: 'Share the AMI with specific accounts, organizations, or OUs.'
- Shared accounts (0):** A section with a search bar labeled 'Find shared accounts by account ID'. To the right are buttons for 'Remove selected' and 'Add account ID'. Below the search bar is a table with a column 'Shared account ID'. At the bottom of this section, a message states: 'This AMI is not shared with any other accounts.'

The bottom of the console shows a dark navigation bar with 'CloudShell' and 'Feedback' links, and a footer with '© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

5. To Enable It , Select Image -> Permission -> Click On Data Protection And Security.

The screenshot shows the AWS Management Console for Amazon Machine Images (AMIs). 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, and Volumes. The main content area displays the 'Amazon Machine Images (AMIs) (1/1) Info' page. At the top, there are buttons for 'Recycle Bin', 'EC2 Image Builder', 'Actions', and 'Launch instance from AMI'. Below these is a search bar and a table of AMIs. The table has columns for Name, AMI name, AMI ID, Source, and Owner. The first row is selected, showing 'image-instance' with AMI ID 'ami-0276d1a5b1cb20f14' and Source '288761739125/image-instance'. Below the table, the 'AMI ID: ami-0276d1a5b1cb20f14' is displayed, along with a 'Private' status and a note about sharing restrictions. A button 'Edit AMI permissions' is visible at the bottom right.

Name	AMI name	AMI ID	Source	Owner
image-instance	image-instance	ami-0276d1a5b1cb20f14	288761739125/image-instance	288761739125

6.Enable Block New Public Sharing And Update.

The screenshot shows the 'Block public access for AMIs' settings page in the AWS Management Console. The breadcrumb trail indicates the path: EC2 > Settings - Data protection and security > Manage block public access for AMIs. The page title is 'Block public access for AMIs' with an 'Info' link. Below the title, there is a description: 'Manage the setting to block or allow the public sharing of your AMIs in this Region.' A checkbox labeled 'Block new public sharing' is present, with a note: 'Select the check box to block attempts to publicly share your AMIs. AMIs that are already publicly shared, remain publicly shared.' At the bottom right, there are 'Cancel' and 'Update' buttons.

☐ Block new public sharing

Select the check box to block attempts to publicly share your AMIs. AMIs that are already publicly shared, remain publicly shared.

Cancel Update

7. Confirm And Allow Public Sharing. And after this they shows a Successful Message.

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, a search bar, and user information (Mumbai, saurabh.jadhav). Below this, the 'EC2' service is selected, and the 'Settings' page is displayed. A green notification banner at the top of the settings page reads: "Successfully requested unblocking of new public sharing for AMIs. The request can take up to 10 minutes to be configured." The 'Data protection and security' tab is active, showing sections for 'Data Lifecycle Manager default policies', 'EBS snapshot policy', 'EBS-backed AMI policy', and 'EBS encryption'. Each section has a 'Create policy' link. The left sidebar shows the navigation menu with categories like 'Instances', 'Images', and 'Elastic Block Store'.

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

The screenshot shows the 'Edit AMI permissions' page in the AWS Management Console. The breadcrumb trail is 'EC2 > AMIs > ami-0276d1a5b1cb20f14 > Edit AMI permissions'. The page title is 'Edit AMI permissions'. Below the title, it says: "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-0276d1a5b1cb20f14' and 'Associated snapshot IDs' as 'snap-041ff0e4852d0c128'. There's a checkbox for 'Add 'Create volume' permission to associated snapshots when creating account permissions.' The 'AMI availability' section has two radio buttons: 'Public' (selected) and 'Private - (current setting)'. Below this, a yellow warning box states: "Share Amazon Machine Image (AMI) publicly. You are about to share AMI ami-0276d1a5b1cb20f14 publicly. If you continue, the AMI and its contents will be shared with all AWS users in this Region." The bottom of the page shows the AWS footer with copyright information and links to Privacy, Terms, and Cookie preferences.

