

AMI (AMAZON MACHINE IMAGE):

- Ami is one of the feature in ec2
- Which is used for backup os and volume

Steps to create AMI:

STEP1: Launch the instance

Name and tags info

Name: windows

Application and OS Images (Amazon Machine Image) info

Search our full catalog including 1000s of application and OS images

Quick Start

Amazon Linux, macOS, Ubuntu, Windows, Red Hat, SUSE

Summary

Number of instances: 1

Software Image (AMI): Microsoft Windows Server 2022 ...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 30 GiB

Key pair (login) info

Key pair name - required: mumbai1831

Network settings info

Network: vpc-0f0767195d3df8800

Subnet: No preference (Default subnet in any availability zone)

Auto-assign public IP: Enable

Launch instance

STEP2:AMI create

Click the instance box-->actions--->image & templates--->create image

Instances (1/1) info

Find instance by attribute or tag (case-sensitive)

Instance ID = i-0184abb581132584a

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
windows	i-0184abb581132584a	Running	t2.micro	2/2 checks passed	No alarms

Instance: i-0184abb581132584a (windows)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary info

Instance ID i-0184abb581132584a (windows)	Public IPv4 address 3.109.185.108 open address	Private IPv4 addresses 172.31.33.64
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-3-109-185-108.ap-south-1.compute.amazonaws.com open address
Hostname type IP name: ip-172-31-33-64.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-33-64.ap-south-1.compute.internal	

STEP3:create image--->image name(eg.backup)--->enable click

EC2 > Instances > i-0184abb581132584a > Create image

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-0184abb581132584a (windows)

Image name

backup

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

Image description - optional

Image description

Maximum 255 characters

No reboot

☒ Enable

STEP4:create image click

Instance volumes

Volume type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/...	Create new snapshot fr...	30	EBS General Purpose S...	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 new tag


You can add up to 50 more tags.

Cancel Create image

AMI CREATE COMPLETED

Currently creating AMI [ami-03b9c886f8623a8e4](#) from instance i-0184abb581132584a. Check that the AMI status is 'Available' before deleting the instance or carrying out other actions related to this AMI.

Instances (3) [Info](#)

 Connect Instance state Actions Launch Instances

Find instance by attribute or tag (case-sensitive)

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance t...	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	windows	i-0184abb581132584a	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-3-109-185-108.

STEP5:click the ami number --->open AMI --->click the box-->wait status check(available is come)-->launch instance fromAMI

Amazon Machine Images (AMIs) (1/1) Info						
Owned by me Find AMI by attribute or tag						
AMI ID = ami-03b9c886f8623a8e4 X Clear filters						
AMI ID	AMI name	Source	Owner	Visibility	Status	
ami-03b9c886f8623a8e4	backup	795071115491/backup	795071115491	Private	Available	

STEP6: launch AMI instance----> open AMI instance -->click the box--->connect

Instances (1/1) Info								
Find instance by attribute or tag (case-sensitive)								
Instance ID = i-09c6a874058ab0d24 X Clear filters								
<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance t...	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input checked="" type="checkbox"/>	BAKUP	i-09c6a874058ab0d24	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-43-205-242-2

STEP7: connect --->RDP client-->get password-->download remote desktop file

Session Manager

RDP client

EC2 serial console

Instance ID

i-09c6a874058ab0d24 (BAKUP)

Connection Type

Connect using RDP client

Download a file to use with your RDP client and retrieve your password.

Connect using Fleet Manager

To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see [Working with SSM Agent](#)

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

Download remote desktop file

When prompted, connect to your instance using the following details:

Public DNS

ec2-43-205-242-231.ap-south-1.compute.amazonaws.com

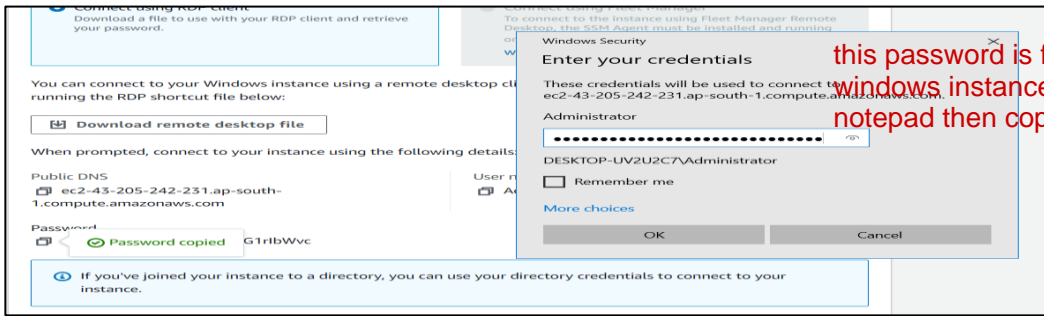
User name

Administrator

Password

Get password

STEP8: open remote desktop file--> put the password--->ok --->open new backup windows for old instance



Now open the new backup instance window --->previous instace os and all files are backup done

