

CLOUD COMPUTING LAB 2

Aim : Demonstrate implementation of virtual machine using AWS services

Creating of instance on AWS

The screenshot shows the 'Launch an instance' wizard in the AWS EC2 console. The 'Name and tags' section has 'Instance_1' entered. The 'Application and OS Images (Amazon Machine Image)' section shows 'Amazon Linux 2023.2.2...' selected. The 'Virtual server type (instance type)' is set to 't2.micro'. Under 'Storage (volumes)', it shows '1 volume(s) - 8 GiB'. A callout box highlights the 'Free tier' offer: 'Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance'. At the bottom right are 'Cancel', 'Launch instance', and 'Review commands' buttons.

Creating of image file of an instance

The screenshot shows the 'Instances (1/4)' page in the AWS EC2 console. It lists three instances: 'ubuntu server 1', 'ubuntu server 2', and 'Instance_1'. The 'Instance_1' row is selected, showing its details: Public IPv4 address (3.81.225.53), Instance state (Running), Private IP DNS name (ip-172-31-43-181.ec2.internal), and Instance type (t2.micro). The left sidebar shows navigation links for EC2 Dashboard, Global View, Events, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images (selected), AMIs, Catalog, and Elastic Block Store (Volumes, Snapshots).

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.

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

Currently creating AMI ami-02500020a31c6a6ba from instance i-0aa9094c737ae2f90. Check that the AMI status is 'Available' before deleting the instance or carrying out other actions related to this AMI.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
ubuntu server	i-012d59059bd111a85	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a
ubuntu server 2	i-0120d6558002374bb	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a