

# Cloud Computing

## Lab1 – Assignment

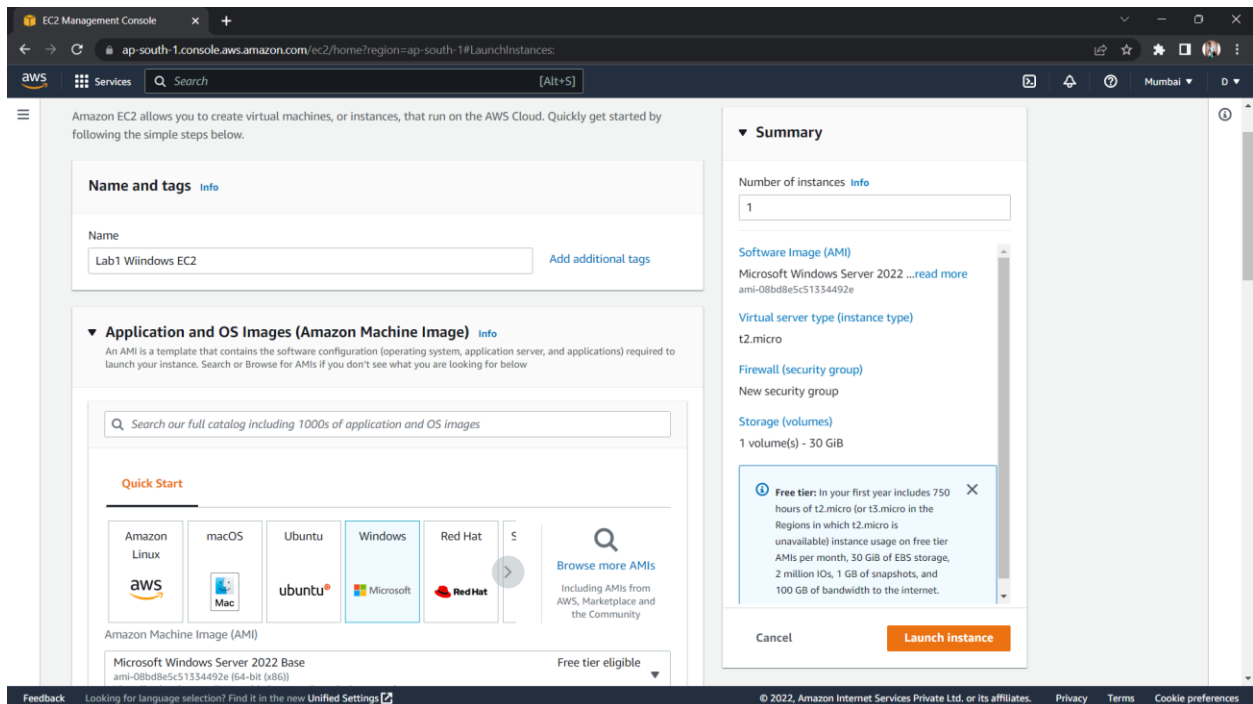
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**Roll No.:** - 310

**Batch:** CCF1

**Question:** Create windows EC2 instance and access it by RDP client

**Step1:** First log in to your AWS console account and search **EC2** in the search bar and then click on create instance choose your instance type select the existing **key pair** or create new key pair and then click on **launch instance**.



EC2 Management Console

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

Services Search [Alt+S]

Allow HTTPS traffic from the internet  
To set up an endpoint, for example when creating a web server

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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.

▼ Configure storage Info Advanced

1x 30 GiB gp2 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

0 x File systems Edit

► Advanced details Info

▼ Summary

Number of instances Info  
1

Microsoft Windows Server 2022 ...read more  
ami-08bd8e5c51334492e

Virtual server type (instance type)  
t2.micro

Firewall (security group)  
New security group

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

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 usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance

Feedback Looking for language selection? Find it in the new Unified Settings

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Instances | EC2 Management Console

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances?case=tags:true%5C,client:false%5C,regex=tags:false%5C,client:false

Services Search [Alt+S]

New EC2 Experience Tell us what you think

EC2 Dashboard  
EC2 Global View  
Events  
Tags  
Limits

▼ Instances  
Instances New  
Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances New  
Dedicated Hosts  
Capacity Reservations

▼ Images  
AMIs  
AMI Catalog

▼ Elastic Block Store  
Volumes  
Snapshots  
Lifecycle Manager

Instances (1/2) Info

Find instance by attribute or tag (case-sensitive)

Connect Instance state Actions Launch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
<input type="checkbox"/>	Lab1 Windows EC2	i-0fc674ea649f4da87	Terminated	t2.micro	-	No alarms	ap-south-1a	-
<input checked="" type="checkbox"/>	Lab1 Windows EC2	i-085a5913a58a0b65d	Running	t2.micro	Initializing	No alarms	ap-south-1a	ec2-13-126-2

Instance: i-085a5913a58a0b65d (Lab1 Windows EC2)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID i-085a5913a58a0b65d (Lab1 Windows EC2)	Public IPv4 address 13.126.215.47   open address	Private IPv4 addresses 172.31.45.117
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-13-126-215-47.ap-south-1.compute.amazonaws.com   open address
Hostname type IP name: ip-172-31-45-117.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-45-117.ap-south-1.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations.   Learn more
Auto-assigned IP address 13.126.215.47 [Public IP]	VPC ID vpc-0fb4cb9853ad859f4	

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Step2: Select the created instance and then click on the **connect** button on the top right corner. Click on the **RDP Client** below you will get **public DNS**, **Username** and **Password** now you can open **Remote Desktop** and connect the instance to the remote desktop.

