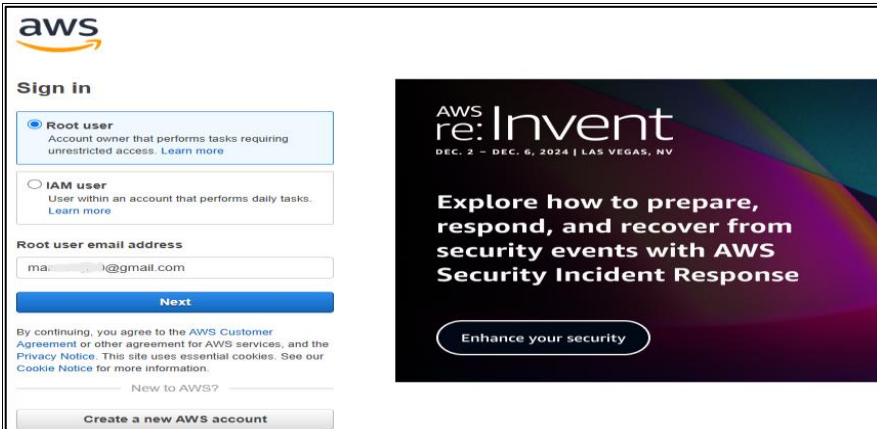


## PRACTICAL 10

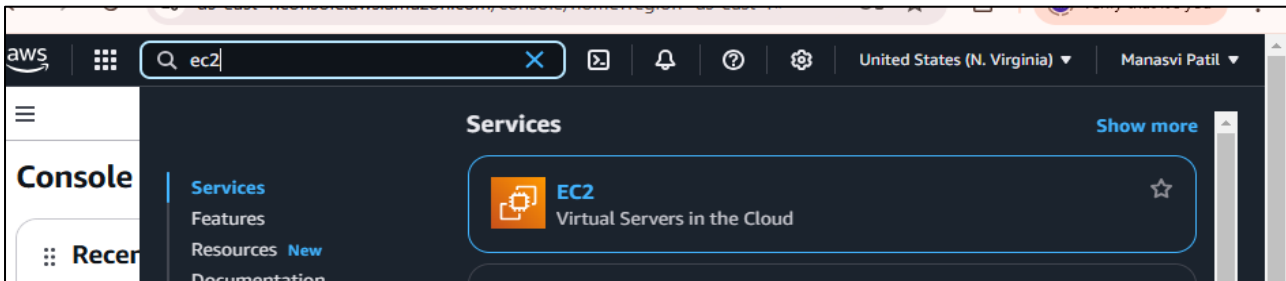
Aim: Getting Started with S2 in AWS.

### Step 1: Log in to your root user account

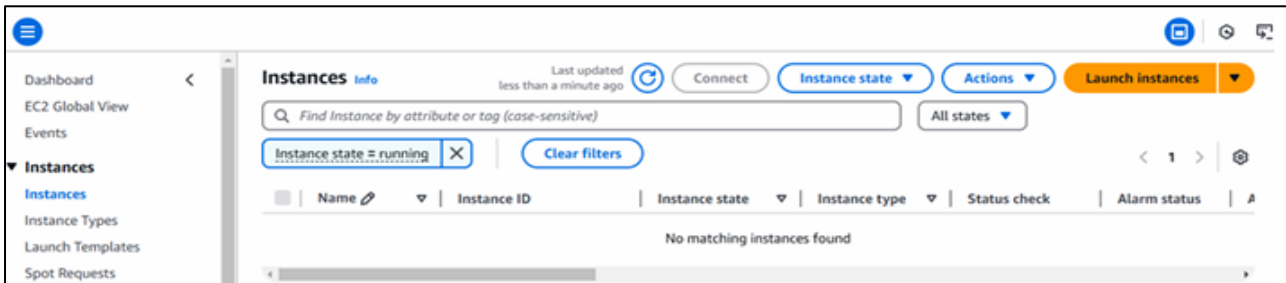


The image shows the AWS Sign in page. On the left, there is a 'Sign in' section with two options: 'Root user' (selected) and 'IAM user'. Below these is a text input field for the 'Root user email address' containing 'ma...@gmail.com'. A 'Next' button is below the input field. At the bottom, there is a link to 'Create a new AWS account'. On the right, there is a large banner for 'AWS re:Invent' with the text 'Explore how to prepare, respond, and recover from security events with AWS Security Incident Response' and a button that says 'Enhance your security'.

### Step 2: Search for EC2

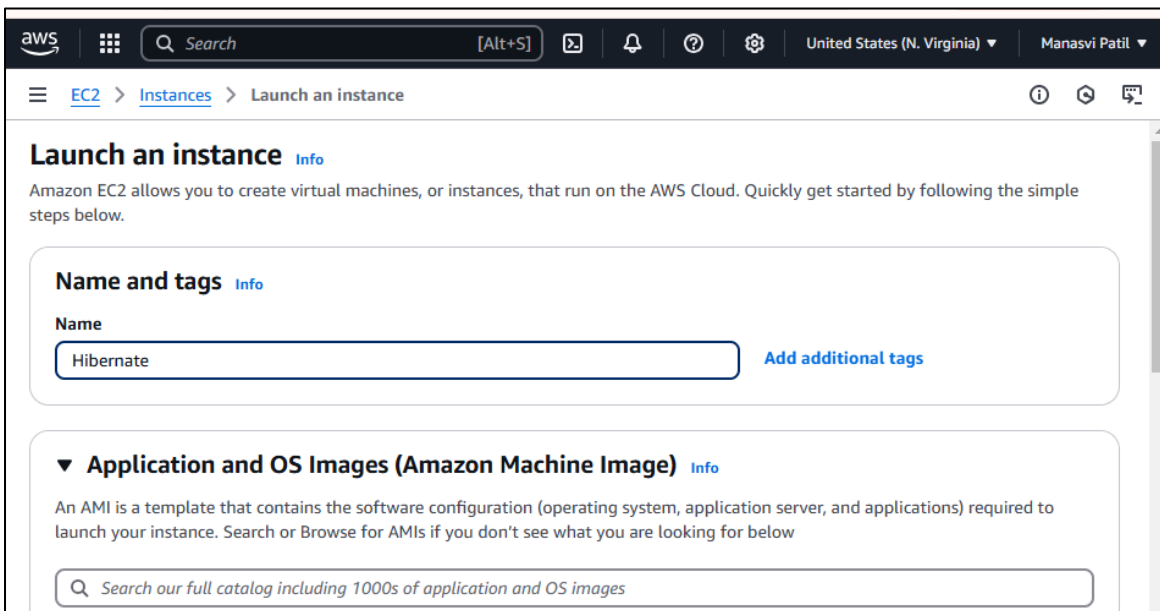


### Step 3: Click on running instances



### Step 4: Click on launch instances

### Step 5: You will be navigated to this dashboard, name your instance



The image shows the AWS Console 'Launch an instance' page. The 'Name and tags' section has a text input field for 'Name' containing 'Hibernate'. The 'Application and OS Images (Amazon Machine Image)' section is expanded, showing a search bar for AMIs. The left sidebar shows the 'EC2 > Instances > Launch an instance' breadcrumb.

## Step 6: Choose the image type for the server instance

▼ 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

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

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

Debian

aws

Mac

ubuntu

Microsoft

Red Hat

SUSE

debian

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Microsoft Windows Server 2025 Base  
ami-04f77c9cd94746b09 (64-bit (x86))  
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

## Step 7: Select instance type

▼ Instance type Info | Get advice

Instance type

t3.micro  
Family: t3 2 vCPU 1 GiB Memory Current generation: true  
On-Demand Ubuntu Pro base pricing: 0.0139 USD per Hour  
On-Demand SUSE base pricing: 0.0104 USD per Hour  
On-Demand Linux base pricing: 0.0104 USD per Hour  
On-Demand RHEL base pricing: 0.0392 USD per Hour  
On-Demand Windows base pricing: 0.0196 USD per Hour

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

## Step 8: Go to create a key-pair password

Create key pair

Key pair name  
Key pairs allow you to connect to your instance securely.  
my-ec2-key  
The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type  

☒ RSA  
RSA encrypted private and public key pair

☐ ED25519  
ED25519 encrypted private and public key pair

Private key file format  

☒ .pem  
For use with OpenSSH

☐ .ppk  
For use with PuTTY

⚠ When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn more](#)

Cancel

Create key pair

## Step 9: Upon clicking it will download the password file in your desktop

## Step 10: Configure the network settings and check the http and https traffic ports for the instance

EC2 > Instances > Launch an instance

▼ Network settings Info Edit

Network Info  
vpc-0a9f34bc30f2d904f

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

Auto-assign public IP Info  
Enable  
Additional charges apply when outside of free tier allowance

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

☒ Allow RDP traffic from  
Helps you connect to your instance  
Anywhere  
0.0.0.0/0

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

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

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting

Step 11: Configure storage details as per need

▼ Configure storage Info Advanced

1x 30 GiB gp3 Root volume 3000 IOPS (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

Click refresh to view backup information  
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

Step 12: Check for summary tab where the instance summary will be generated, on completion click launch instance.

▼ Summary

Number of instances Info  
1

Software Image (AMI)  
Microsoft Windows Server 2025 ...read more  
ami-04f77c9cd94746b09

Virtual server type (instance type)  
t3.micro

Firewall (security group)  
New security group

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

Free tier: In your first year includes

Cancel Launch instance

Activate Windows  
Go to Settings to activate Windows.

Step 13: The instances will be launched and can be seen going to the instances → running instances → it will now be running

aws [Search] [Alt+S] United States (N. Virginia)

EC2 > Instances > Launch an instance

Launching Instance  
Creating security groups 27%

Details

aws [Search] [Alt+S] United States (N. Virginia)

EC2 > Instances > Launch an instance

Success  
Successfully initiated launch of instance (i-004fc4d501f1f6fc3)

Instances (1/1) Info

Last updated 35 minutes ago

Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
Hibernate	i-07809c79e5451f960	Running	t2.micro	2/2 checks passed	View alarms	us-east-1b	ec2-18-204-194-234.co...	18.204.194.234	-