

Assisted Practice: 3.1 Launch and Connect to an EC2 Linux Instance

The screenshot shows the AWS Management Console Home page. At the top, there's a navigation bar with tabs for AWS and Services, and a search bar. Below the navigation is a "Console Home" section with a "Recently visited" list containing "EC2". To the right is a "Welcome to AWS" sidebar with sections for "Getting started with AWS", "Training and certification", and "What's new with AWS?". At the bottom of the main content area is a "View all services" link. The status bar at the bottom includes links for CloudShell, Feedback, Language, and privacy information, along with system status like battery level and time.

- Click on *launch instance* to run any instance

The screenshot shows the EC2 Management Console Home page. On the left is a navigation sidebar with sections like EC2 Dashboard, Instances, Images, and more. The main content area has three main sections: "Resources" (listing 0 instances, 0 auto scaling groups, etc.), "Launch instance" (with a button to start), and "Service health" (AWS Health Dashboard). To the right is an "Account attributes" sidebar with sections for Supported platforms, Default VPC, Settings, and Explore AWS. The status bar at the bottom is identical to the one in the previous screenshot.

The screenshot shows the AWS EC2 Dashboard. On the left sidebar, under 'Instances', there are links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, and AMIs. Under 'Images', there are links for AMIs and the AMI Catalog. The main content area has a 'Launch instance' section with a large orange 'Launch instance' button and a 'Migrate a server' link. Below it is a 'Scheduled events' section showing 'No scheduled events'. To the right is a 'Service health' panel with a 'AWS Health Dashboard' link, showing the status as 'This service is operating normally'. A 'Zones' table lists three zones: ap-south-1a (aps1-az1), ap-south-1b (aps1-az3), and ap-south-1c (aps1-az2). A 'Get Up to 40% Better Price Performance' banner and a '10 Things You Can Do Today to Reduce AWS Costs' section are also present.

Click on launch instance

The screenshot shows the 'Launch an instance' wizard. The first step, 'Name and tags', has a 'Name' field containing 'MYLABEC2'. The second step, 'Application and OS Images (Amazon Machine Image)', has a note about AMIs and a search/browsing interface. The third step, 'Summary', shows the configuration: 1 instance, Amazon Linux 2023.1.2 AMI, t2.micro instance type, New security group, and 1 volume(s) - 8 GiB storage. The 'Launch instance' button is highlighted in orange at the bottom right.

Quick Start

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI
ami-05548f9cecf47b442 (64-bit (x86)) / ami-0feffbdaaf373123d (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2023 AMI 2023.1.20230719.0 x86_64 HVM kernel-6.1

Architecture

64-bit (x86) AMI ID ami-05548f9cecf47b442 Verified provider

Summary

Number of instances Info 1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.1.2...read more
ami-05548f9cecf47b442

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Cancel Launch instance Go to Settings to activate Windows Review commands

Here click on amazon linux

Description

Amazon Linux 2023 AMI 2023.1.20230719.0 x86_64 HVM kernel-6.1

Architecture

64-bit (x86) AMI ID ami-05548f9cecf47b442 Verified provider

Instance type

t2.micro Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows pricing: 0.0162 USD per Hour
On-Demand SUSE pricing: 0.0116 USD per Hour
On-Demand RHEL pricing: 0.0716 USD per Hour
On-Demand Linux pricing: 0.0716 USD per Hour

All generations Compare instance types

Key pair (login) Info

Summary

Number of instances Info 1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.1.2...read more
ami-05548f9cecf47b442

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Cancel Launch instance Go to Settings to activate Windows Review commands

Here creating instance type t2.micro after step

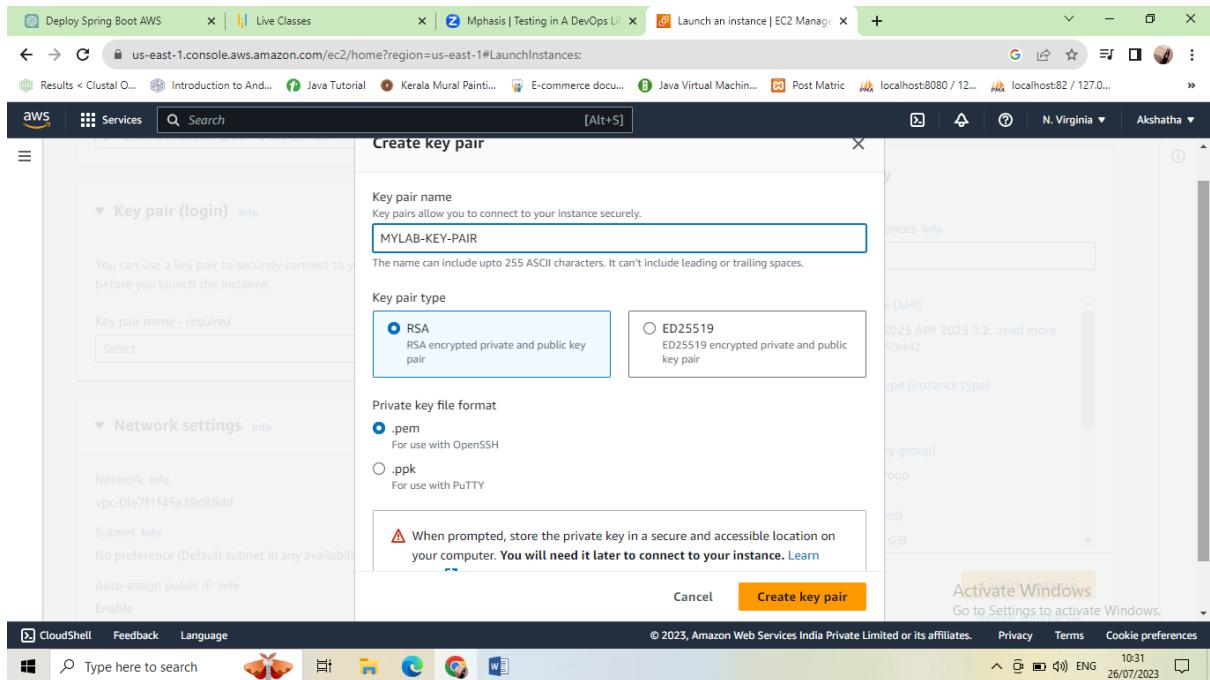
Keypair login

Creating new pair

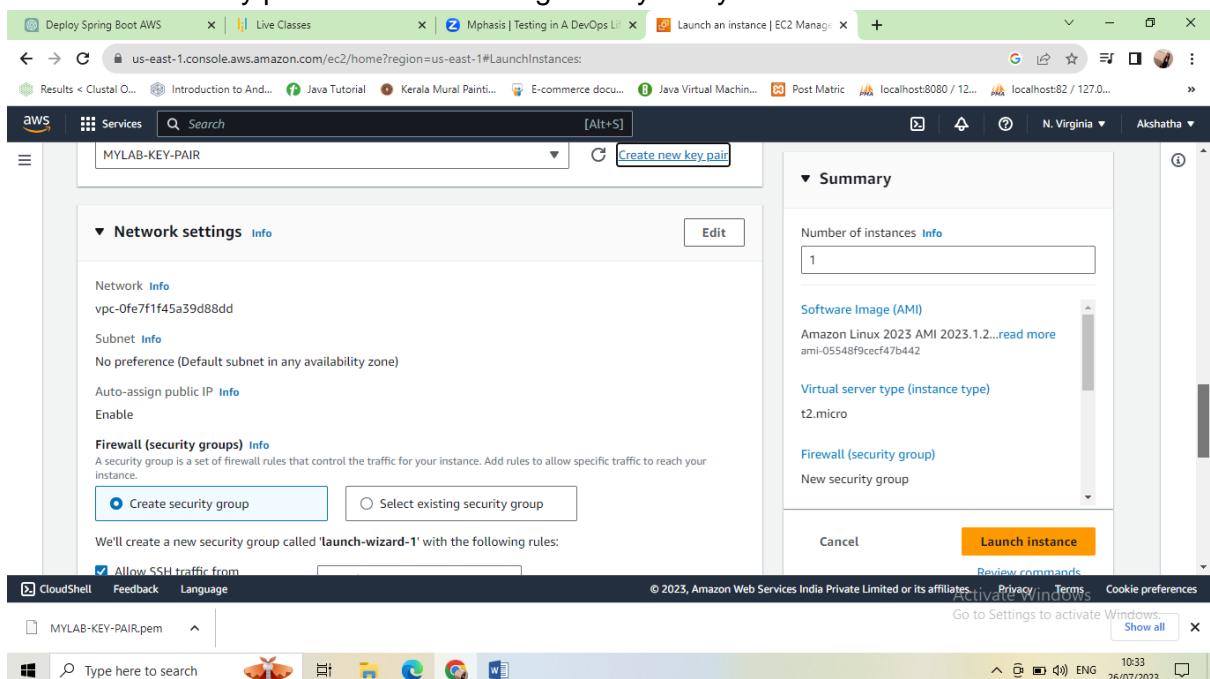
The screenshot shows the AWS CloudShell interface with three tabs open: 'Deploy Spring Boot AWS', 'Live Classes', and 'Launch an instance | EC2 Manager'. The main content area displays the 'Launch instances' wizard. The current step is 'Key pair (login)'. It includes a note about using a key pair for secure connection, a dropdown for 'Key pair name - required' (set to 'Select'), and a link to 'Create new key pair'. Below this is the 'Network settings' section, which lists 'Network Info' (VPC: vpc-0fe7f1f45a39d88dd), 'Subnet Info' (No preference), and 'Auto-assign public IP' (Info). On the right side, the 'Summary' panel shows 'Number of instances' (1), 'Software Image (AMI)' (Amazon Linux 2023 AMI 2023.1.2...), 'Virtual server type (instance type)' (t2.micro), 'Firewall (security group)' (New security group), and 'Storage (volumes)' (1 volume(s) - 8 GiB). At the bottom right of the summary panel is a prominent orange 'Launch instances' button.

The screenshot shows the 'Create key pair' dialog box overlaid on the main EC2 wizard. The dialog has fields for 'Key pair name' (with placeholder 'Enter key pair name') and 'Key pair type' (radio buttons for 'RSA' and 'ED25519'). Below these are sections for 'Private key file format' (radio buttons for '.pem' and '.pk') and a note about storing the private key securely. At the bottom right of the dialog is an orange 'Create key pair' button.

The screenshot shows the final step of the 'Launch instances' wizard, where the user is prompted to 'Activate Windows'. A note says 'Go to Settings to activate Windows.' The 'Create key pair' dialog from the previous step is still visible in the foreground.



Click on create key pair after downloading file in your system.



Default setting nothing any change in this network settings

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 SSH traffic from Anywhere
Helps you connect to your instance
- 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

Configure storage Info Advanced

CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences Go to Settings to activate Windows Show all

MYLAB-KEY-PAIR.pem

Type here to search

10:37 26/07/2023

Select all ssh traffic from ,allow https traffic from the internet ,allow http traffic from the internet

Security group rules to allow access from known IP addresses only.

Configure storage Info Advanced

1x 8 GiB gp3 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

0 x File systems Edit

Advanced details Info

CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences Go to Settings to activate Windows Show all

MYLAB-KEY-PAIR.pem

Type here to search

10:38 26/07/2023

Default nothing any change here

The screenshot shows the 'Configure storage' section of the AWS EC2 Launch Instance wizard. It displays a single root volume of 8 GiB using the gp3 storage type. A note indicates that free-tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Below this, there are options to 'Add new volume' and 'Edit' file systems. The 'Advanced' tab is visible at the top right. On the right side of the screen, there are fields for 'Number of instances' (set to 1), 'Software Image (AMI)' (Amazon Linux 2023 AMI 2023.1.2...), 'Virtual server type (instance type)' (t2.micro), and 'Firewall (security group)' (New security group). At the bottom right are 'Cancel', 'Launch instance' (highlighted in orange), and 'Review commands' buttons.

The screenshot shows the 'Launching instance' step of the AWS EC2 Launch Instance wizard. It displays a progress bar at 23% completion under the heading 'Creating security group rules'. Below the progress bar, there is a link to 'Details'. A message instructs the user to 'Please wait while we launch your instance.' and 'Do not close your browser while this is loading.' The status bar at the bottom of the browser window shows the date and time as 26/07/2023 10:39.

The screenshot shows the AWS CloudWatch Metrics console. A single metric named "Launch an instance | EC2 Manager" is displayed with a value of 1. The chart shows a single data series with a value of 1 across all dimensions.

Success
Successfully initiated launch of instance (i-0d3b678d2de02dd88)

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

CloudShell Feedback Language

MYLAB-KEY-PAIR.pem

Activate Windows Show all

10:40 26/07/2023

Deploy Spring Boot AWS Live Classes Mphasis | Testing in A DevOps Li Launch an instance | EC2 Manager

CloudShell Feedback Language

MYLAB-KEY-PAIR.pem

Activate Windows Show all

10:40 26/07/2023

Deploy Spring Boot AWS Live Classes Mphasis | Testing in A DevOps Li Launch an instance | EC2 Manager

CloudShell Feedback Language

MYLAB-KEY-PAIR.pem

Activate Windows Show all

10:40 26/07/2023

Deploy Spring Boot AWS Live Classes Mphasis | Testing in A DevOps Li Launch an instance | EC2 Manager

The screenshot shows the AWS Management Console with the URL <https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances>. The page displays a green success message: "Successfully initiated launch of instance (i-0d3b678d2de02dd88)". Below this, a "Launch log" section shows the following steps all succeeded:

- Initializing requests
- Creating security groups
- Creating security group rules
- Launch initiation

Under "Next Steps", there is a search bar with the placeholder "What would you like to do next with this instance, for example "create alarm" or "create backup"".

The screenshot shows the AWS Management Console with the URL <https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceId=i-0d3b678d2de02dd88>. The left sidebar is expanded to show the "Instances" section. The main area displays the "Instances (1) Info" table with one row:

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone |
|------------|---------------------|----------------|---------------|--------------|--------------|-------------------|
| MYLABEC2-1 | i-0d3b678d2de02dd88 | Running | t2.micro | Initializing | No alarms | us-east-1c |

A modal window titled "Select an instance" is open at the bottom, showing the same information. The taskbar at the bottom includes icons for CloudShell, Feedback, Language, and a search bar.

Instance summary for i-0d3b678d2de02dd88 (MYLABEC2-1)

| Attribute | Value |
|----------------------------------|--|
| Instance ID | i-0d3b678d2de02dd88 (MYLABEC2-1) |
| IPv6 address | - |
| Hostname type | IP name: ip-172-31-89-130.ec2.internal |
| Answer private resource DNS name | IPv4 (A) |
| Auto-assigned IP address | 54.84.30.175 [Public IP] |
| Public IPv4 address | 54.84.30.175 open address |
| Private IP4 addresses | 172.31.89.130 |
| Instance state | Running |
| Private IP DNS name (IPv4 only) | ip-172-31-89-130.ec2.internal |
| Instance type | t2.micro |
| VPC ID | vpc-0fe7f1f45a39d88dd |
| Elastic IP addresses | - |
| AWS Compute Optimizer finding | Opt-in to AWS Compute Optimizer for recommendations. |

Here Public IPv4 address : 54.84.30.175

Private IPv4 addresses: 172.31.89.130

Instance: i-0d3b678d2de02dd88 (MYLABEC2-1)

| Attribute | Value |
|----------------------------------|--|
| Instance ID | i-0d3b678d2de02dd88 (MYLABEC2-1) |
| IPv6 address | - |
| Hostname type | IP name: ip-172-31-89-130.ec2.internal |
| Answer private resource DNS name | IPv4 (A) |
| Auto-assigned IP address | 54.84.30.175 [Public IP] |
| Public IPv4 address | 54.84.30.175 open address |
| Private IP4 addresses | 172.31.89.130 |
| Instance state | Running |
| Private IP DNS name (IPv4 only) | ip-172-31-89-130.ec2.internal |

ec2-54-84-30-175.compute-1.amazonaws.com

The screenshot shows the AWS EC2 Instances page. A single instance, MYLABEC2-1, is listed as running. The Security tab is selected, showing the following details:

| Name | Security group rule ID | Port range | Protocol | Source |
|------|------------------------|------------|----------|-----------|
| - | sgr-06b4a33492447c6b0 | 22 | TCP | 0.0.0.0/0 |
| - | sgr-07aeaaa10611630a4 | 443 | TCP | 0.0.0.0/0 |
| - | sgr-07b8fc96b477c8910 | 80 | TCP | 0.0.0.0/0 |

Click on security

The screenshot shows the AWS EC2 Instances page. A single instance, MYLABEC2-1, is listed as running. The Security tab is selected, showing the following details:

| Name | Security group rule ID | Port range | Protocol | Source |
|------|------------------------|------------|----------|-----------|
| - | sgr-06b4a33492447c6b0 | 22 | TCP | 0.0.0.0/0 |
| - | sgr-07aeaaa10611630a4 | 443 | TCP | 0.0.0.0/0 |
| - | sgr-07b8fc96b477c8910 | 80 | TCP | 0.0.0.0/0 |

The screenshot shows the AWS EC2 Instances page. The main table lists one instance:

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone |
|------------|---------------------|----------------|---------------|-------------------|--------------|-------------------|
| MYLABEC2-1 | i-0d3b678d2de02dd88 | Running | t2.micro | 2/2 checks passed | No alarms | us-east-1c |

Details for the instance i-0d3b678d2de02dd88 (MYLABEC2-1) are shown in the expanded view:

| Security group rule ID | Port range | Protocol | Source | Security groups |
|------------------------|------------|----------|-----------|-----------------|
| sgr-06b4a33492447c6b0 | 22 | TCP | 0.0.0.0/0 | launch-wizard-1 |
| sgr-07aeaa10611630a4 | 443 | TCP | 0.0.0.0/0 | launch-wizard-1 |
| sgr-07b8fc96b477c8910 | 80 | TCP | 0.0.0.0/0 | launch-wizard-1 |

The screenshot shows the AWS EC2 Instances page with the Networking tab selected for the instance i-0d3b678d2de02dd88 (MYLABEC2-1). The Networking tab includes sections for Details, Security, Networking, Storage, Status checks, Monitoring, and Tags. A message indicates you can now check network connectivity with Reachability Analyzer. The Networking details section shows Public IPv4 address 54.84.70.175 and Private IPv4 addresses 172.31.90.170. A VPC ID is also listed.

The screenshot shows the AWS EC2 Instances page. The instance details for 'Instance: i-0d3b678d2de02dd88 (MYLABEC2-1)' are displayed. The 'Networking details' section shows the following information:

| Public IPv4 address | Private IPv4 addresses | VPC ID |
|---|---------------------------------|-----------------------|
| 54.84.30.175 open address | 172.31.89.130 | vpc-0fe7f1f45a39d88dd |
| Public IPv4 DNS | Private IP DNS name (IPv4 only) | |
| ec2-54-84-30-175.compute-1.amazonaws.com open address | ip-172-31-89-130.ec2.internal | |

The 'Interface ID' table shows one interface:

| Interface ID | Description | IPv4 Prefixes | IPv6 Prefixes | Public IPv4 address | Private IPv4 |
|-----------------------|-------------|---------------|---------------|---------------------|--------------|
| eni-0b3c39f17e8dc542b | - | - | - | 54.84.30.175 | 172.31.89.13 |

The 'Elastic IP addresses (0)' section is shown.

Instance: i-0d3b678d2de02dd88 (MYLABEC2-1)

Storage

Root device details

| | | | |
|------------------|-----------|------------------------------|-----|
| Root device name | /dev/xvda | Root device type | EBS |
| | | EBS optimization disabled | |

Block devices

| Volume ID | Device name | Volume size (GiB) | Attachment status | Attachment time | Encrypted |
|-----------------------|-------------|-------------------|-------------------|---------------------------|-----------|
| vol-052ff63668df32045 | /dev/xvda | 8 | Attached | 2023/07/26 10:40 GMT+5:30 | No |

Networking

The screenshot shows the AWS EC2 Management Console. In the left sidebar under 'Instances', 'Subnet ID' is listed under 'Instance Types'. The main panel displays the details for instance i-0d3b678d2de02dd88, specifically the 'Subnet ID' field which contains the value subnet-068085d51f8eda2fb.

Click on Subnet ID

The screenshot shows the AWS VPC Management Console. In the left sidebar under 'Virtual private cloud', 'Subnets' is selected. The main panel shows a table of subnets, with the row for subnet-068085d51f8eda2fb highlighted, indicating it is selected.

Click on check box

Subnets (1/1) Info

Find resources by attribute or tag

Subnet ID: subnet-068085d51f8eda2fb | Clear filters

| Name | Subnet ID | State | VPC | IPv4 CIDR |
|------|--------------------------|-----------|-----------------------|---------------|
| — | subnet-068085d51f8eda2fb | Available | vpc-0fe7f1f45a39d88dd | 172.31.0.0/16 |

subnet-068085d51f8eda2fb

Details | Flow logs | Route table | Network ACL | CIDR reservations | Sharing | Tags

Subnet ID: subnet-068085d51f8eda2fb | Subnet ARN: arn:aws:vpc:us-east-1:123456789012:subnet/subnet-068085d51f8eda2fb | State: Available | IPv4 CIDR: 172.31.0.0/16

Click on route table

Route table

rtb-031692a5fc249dafe

Subnets (1/1) Info

Find resources by attribute or tag

Subnet ID: subnet-068085d51f8eda2fb | Clear filters

| Name | Subnet ID | State | VPC | IPv4 CIDR |
|------|--------------------------|-----------|-----------------------|---------------|
| — | subnet-068085d51f8eda2fb | Available | vpc-0fe7f1f45a39d88dd | 172.31.0.0/16 |

subnet-068085d51f8eda2fb

| | | | |
|-----------------------------------|--|---------------------------------|---|
| Available IPv4 addresses 4090 | 1:065338297267:subnet/subnet-068085d51f8eda2fb | Availability Zone us-east-1c | Availability Zone ID use1-az2 |
| Network border group us-east-1 | IPv6 CIDR | Route table | Network ACL |
| Default subnet Yes | VPC | rtb-031692a5fc249dafe | ac1-07f7264f5c22d55b5 |
| | | Auto-assign IPv6 address No | Auto-assign customer-owned IPv4 address |

Click on route table after

Route tables (1/1) Info

Route table ID: rtb-031692a5fc249dafe

rtb-031692a5fc249dafe

Details Routes Subnet associations Edge associations Route propagation Tags

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Route tables (1/1) Info

Route table ID: rtb-031692a5fc249dafe

rtb-031692a5fc249dafe

Routes (2)

Edit routes

Filter routes

Route tables (1/1) Info

| Destination | Target | Status | Propagated |
|---------------|-----------------------|--------|------------|
| 0.0.0.0/0 | igw-0792bae7eebc03e1a | Active | No |
| 172.31.0.0/16 | local | Active | No |

Open command prompt

```
ec2-user@ip-172-31-89-130:~
```

Microsoft Windows [Version 10.0.19045.3208]
(c) Microsoft Corporation. All rights reserved.

```
C:\Users\Akshatha>cd downloads
```

```
C:\Users\Akshatha\Downloads>dir *.pem
```

```
Volume in drive C has no label.  
Volume Serial Number is 24B1-624F
```

```
Directory of C:\Users\Akshatha\Downloads
```

```
26/07/2023 10:32 1,674 MYLAB-KEY-PAIR.pem  
1 File(s) 1,674 bytes  
0 Dir(s) 55,642,099,712 bytes free
```

```
C:\Users\Akshatha\Downloads>C:\Windows\System32\OpenSSH\ssh.exe -i MYLAB-KEY-PAIR.pem ec2-user@ec2-54-84-30-175.compute-1.amazonaws.com
```

The authenticity of host 'ec2-54-84-30-175.compute-1.amazonaws.com (54.84.30.175)' can't be established.
ECDSA key fingerprint is SHA256:QoAMiiVtXHfQ8lyia5zv1F5VOpvuUbB09VhQxkofck.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added 'ec2-54-84-30-175.compute-1.amazonaws.com,54.84.30.175' (ECDSA) to the list of known hosts.

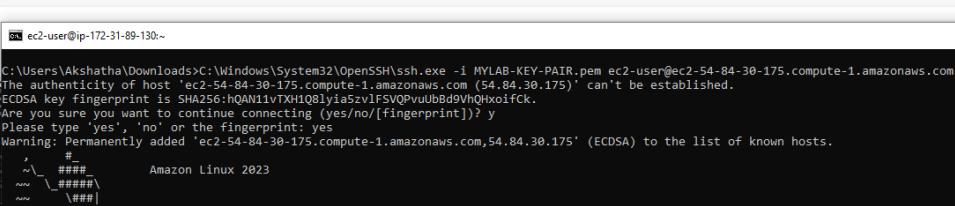
```
#  
###  
##  
# /#  
# \# .--> https://aws.amazon.com/linux/amazon-linux-2023
```

```
[ec2-user@ip-172-31-89-130 ~]$ df -h
```

| Filesystem | Size | Used | Avail | Use% | Mounted on |
|------------|------|------|-------|------|----------------|
| devtmpfs | 4.0M | 0 | 4.0M | 0% | /dev |
| tmpfs | 475M | 0 | 475M | 0% | /dev/shm |
| tmpfs | 190M | 2.8M | 188M | 2% | /run |
| /dev/xvda1 | 8.8G | 1.5G | 6.5G | 19% | |
| tmpfs | 475M | 0 | 475M | 0% | /tmp |
| tmpfs | 95M | 0 | 95M | 0% | /run/user/1000 |

```
[ec2-user@ip-172-31-89-130 ~]$ sudo 
```

Activate Windows
Go to Settings to activate Windows.



```
C:\Users\Akshatha\Downloads>C:\Windows\System32\OpenSSH\ssh.exe -i NYLAB-KEY-PAIR.pem ec2-user@ec2-54-84-30-175.compute-1.amazonaws.com
The authenticity of host 'ec2-54-84-30-175.compute-1.amazonaws.com (54.84.30.175)' can't be established.
ECDSA key fingerprint is SHA256:hoQAN11vT0H1Q8lyIaSzvlFSVQVuUbBd9vhQfxo1fCk.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type yes , no or the fingerprint: yes
Warning: Permanently added 'ec2-54-84-30-175.compute-1.amazonaws.com,54.84.30.175' (ECDSA) to the list of known hosts.

[ec2-user@ip-172-31-89-130 ~]# ls
[ec2-user@ip-172-31-89-130 ~]# curl https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-172-31-89-130 ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
/devtmpfs        4.0M   4.0M  0% /dev
tmpfs           475M   475M  0% /dev/shm
tmpfs           190M  2.8M 188M 2% /run
tmpfs           8.0G  1.5G 6.5G 19% /
tmpfs           475M   475M  0% /tmp
tmpfs           95M   0  95M  0% /run/user/1000
[ec2-user@ip-172-31-89-130 ~]# sudo yum install httpd -y
```



```
sudo vi /var/www/html/index.html
```

A screenshot of a Windows desktop environment. In the top-left corner, there is a terminal window titled "Terminal" with the command "ls" entered. The terminal output shows the directory structure: "ls -l /var/www/html/meteor.html". The rest of the desktop is black, indicating no files are currently displayed. At the bottom, the taskbar is visible with icons for File Explorer, Edge, File History, and other system tools. A watermark in the bottom right corner reads "Activate Windows Go to Settings to activate Windows." The system tray shows battery status, network connection, and system time (14:00). The overall appearance is that of an older Windows version.

```
ec2-user@ip-172-31-89-130:~  
hello world
```

-- INSERT --

Type here to search         

2,12 All

Activate Windows
Go to Settings to activate Windows.

14:01 26/07/2023

Press escape key

```
ec2-user@ip-172-31-89-130:~  
hello world
```

Type here to search         

14:02 26/07/2023

Click on enter

```
ec2-user@ip-172-31-89-130:~$ curl https://aws.amazon.com/linux/amazon-linux-2023
Last login: Wed Jul 26 08:02:55 2023 from 223.186.91.87
[ec2-user@ip-172-31-89-130 ~]$ sudo yum install httpd -y
Last metadata expiration check: 3:16:13 ago on Wed Jul 26 05:10:58 2023.
Package httpd-2.4.56-1.amzn2023.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-89-130 ~]$ sudo vi /var/www/html/index.html
sudo: vi/var/www/html/index.html: command not found
[ec2-user@ip-172-31-89-130 ~]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-89-130 ~]$ sudo vi /var/www/html/index.html
sudo: vi/var/www/html/index.html: command not found
[ec2-user@ip-172-31-89-130 ~]$ sudo vi /var/www/html/index.html
[ec2-user@ip-172-31-89-130 ~]$ [New] 2L, 13B written
[ec2-user@ip-172-31-89-130 ~]$
```

Activate Windows
Go to Settings to activate Windows.

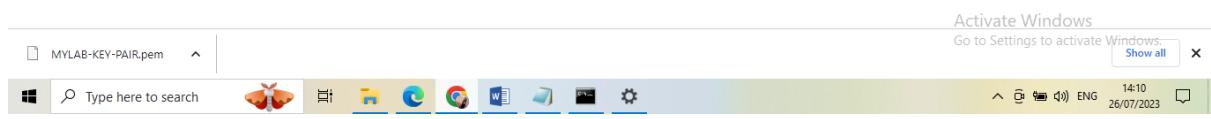
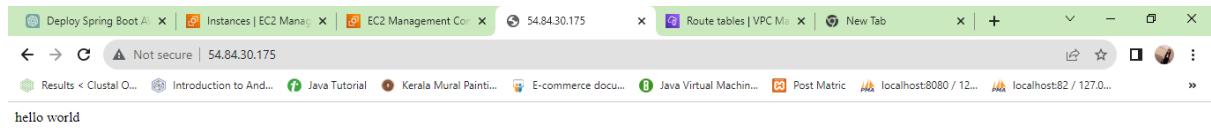
sudo service httpd start

```
ec2-user@ip-172-31-89-130:~$ curl https://aws.amazon.com/linux/amazon-linux-2023
Last login: Wed Jul 26 08:02:55 2023 from 223.186.91.87
[ec2-user@ip-172-31-89-130 ~]$ sudo yum install httpd -y
Last metadata expiration check: 3:16:13 ago on Wed Jul 26 05:10:58 2023.
Package httpd-2.4.56-1.amzn2023.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-89-130 ~]$ sudo vi /var/www/html/index.html
sudo: vi/var/www/html/index.html: command not found
[ec2-user@ip-172-31-89-130 ~]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-89-130 ~]$ sudo vi /var/www/html/index.html
sudo: vi/var/www/html/index.html: command not found
[ec2-user@ip-172-31-89-130 ~]$ sudo vi /var/www/html/index.html
[ec2-user@ip-172-31-89-130 ~]$ sudo service httpd start
```

Activate Windows
Go to Settings to activate Windows.

systemctl status httpd

The screenshot shows the AWS EC2 Management Console interface. The top navigation bar includes tabs for Deploy Spring Boot AWS, Instances | EC2 Management, EC2 Management Console, Route tables | VPC Manager, and New Tab. Below the navigation bar, the URL is us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:. The main content area is titled "Instances (1/1) Info". A search bar at the top of the list table contains the placeholder "Find instance by attribute or tag (case-sensitive)". The list table has columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. One instance is listed: i-0d3b678d2de02dd88 (MYLABEC2-1). The Details tab is selected, showing the Instance summary. Key details include: Instance ID (i-0d3b678d2de02dd88), Public IPv4 address (54.84.30.175), Private IPv4 addresses (172.31.89.130), and Public IPv4 DNS. The Instance state is shown as running. At the bottom of the page, there are links for CloudShell, Feedback, Language, and a footer with copyright information for 2023, Amazon Web Services India Private Limited or its affiliates, and links for Privacy, Terms, and Cookie preferences.



Here we are given url <http://54.84.30.175>