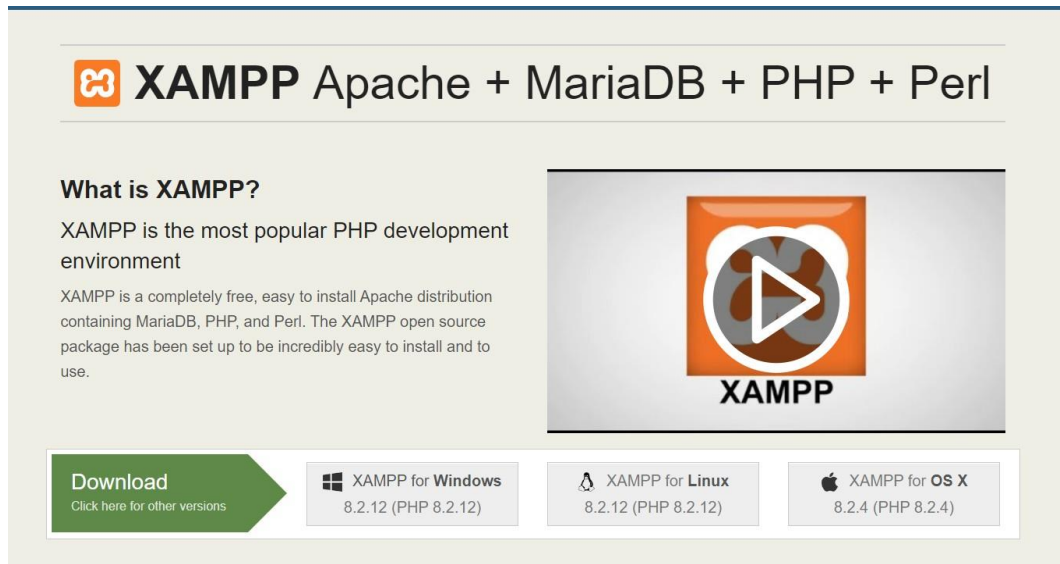
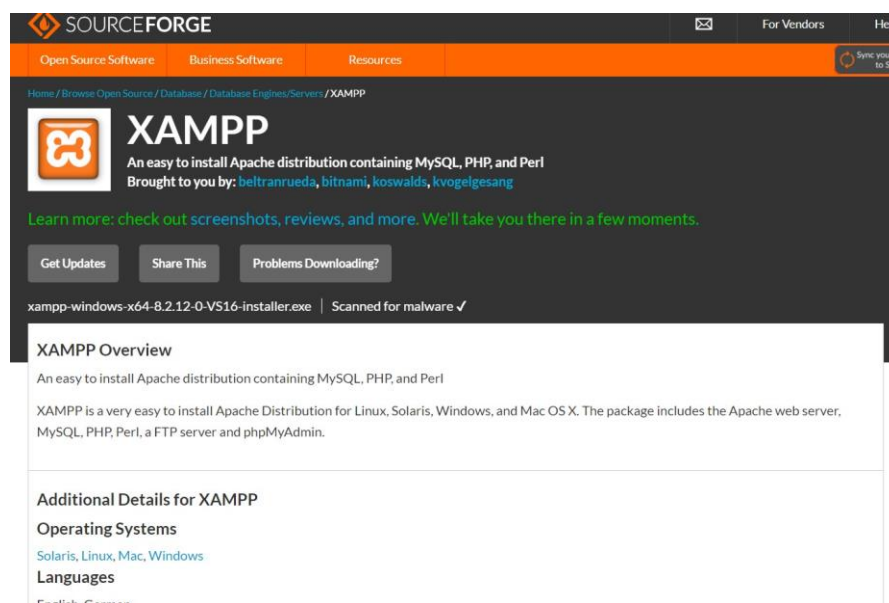


**Exp :1A****Aim : AWS (EC2) Installation steps for Linux instance  
Hosting a website on Local Virtual Machine using Xampp**

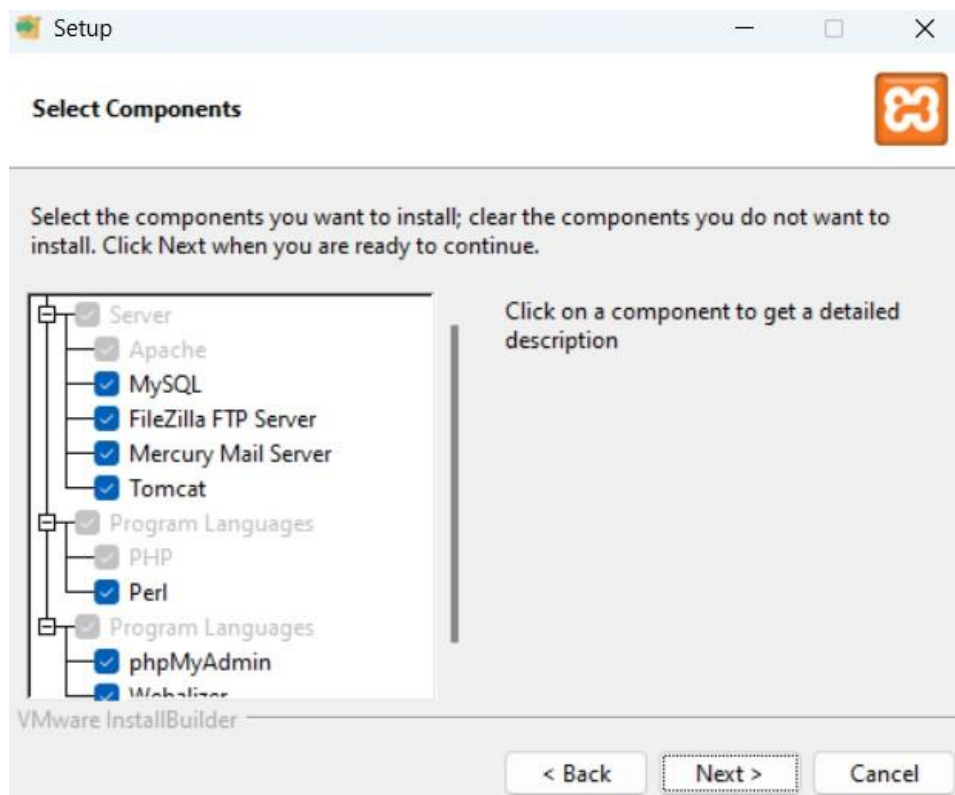
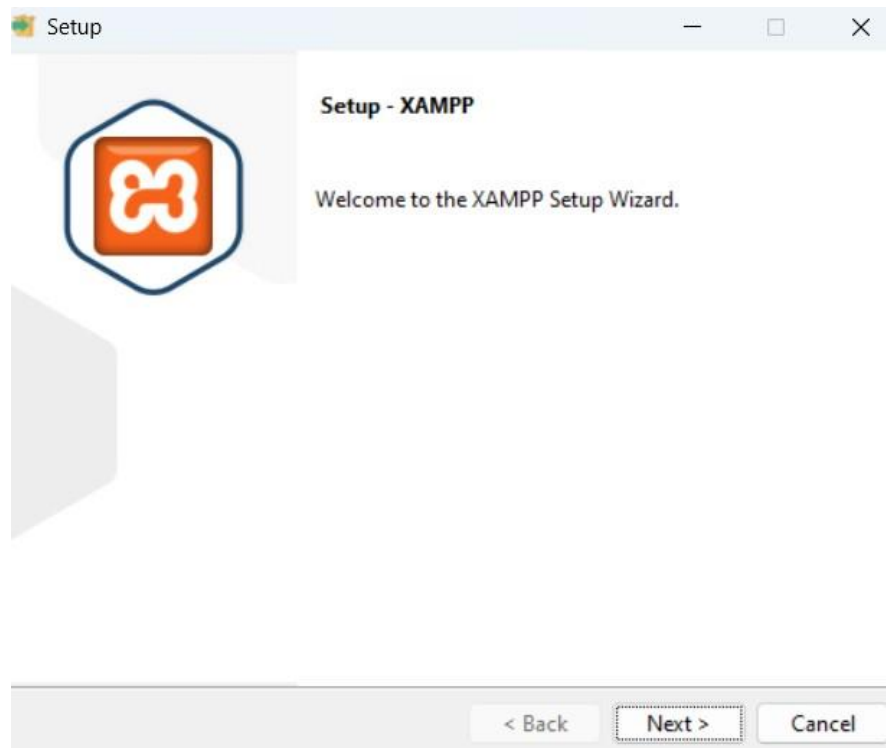
1) Go to official website of xampp



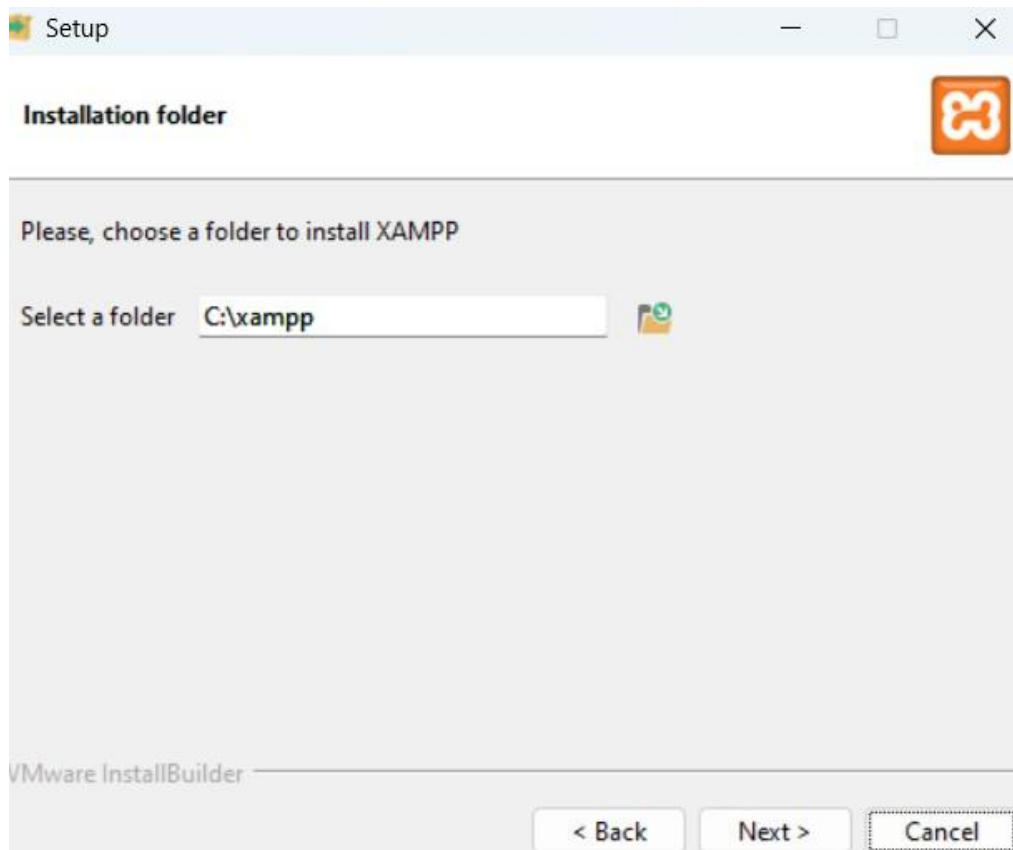
2) click on download and it will automatically get downloaded



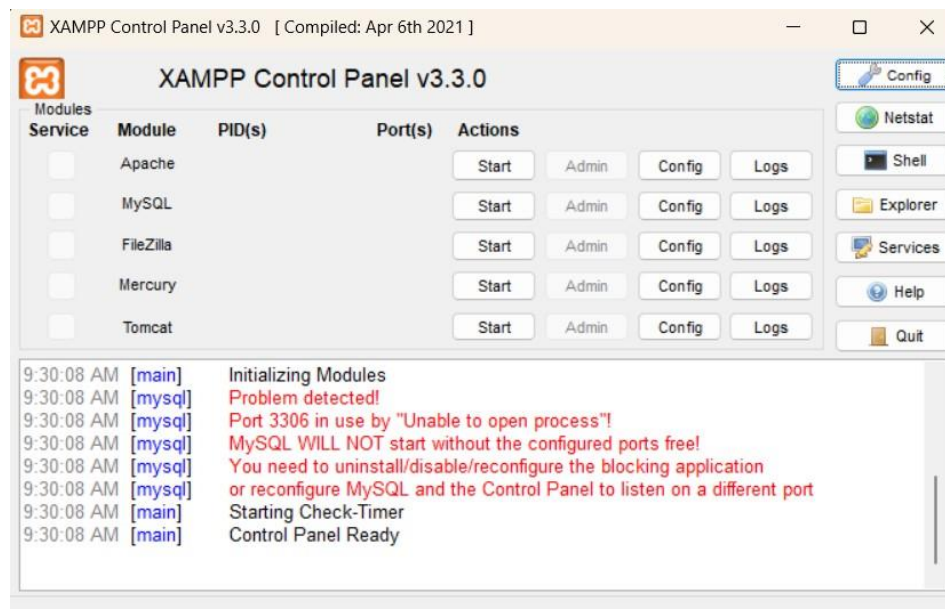
3)click next



4)click on next till the setup gets complete



5)Open Xampp

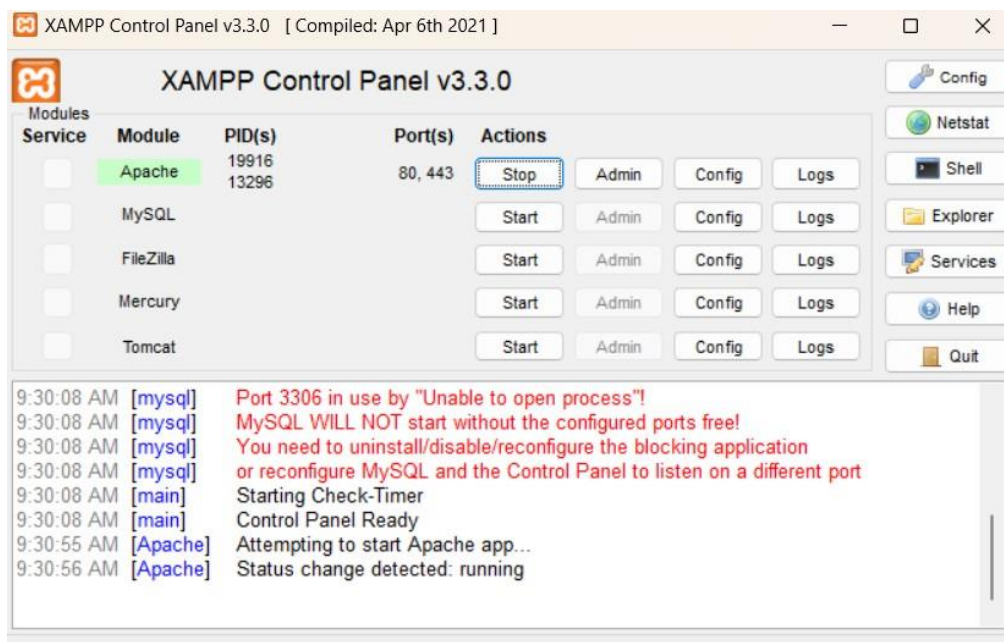


6)Write a php code

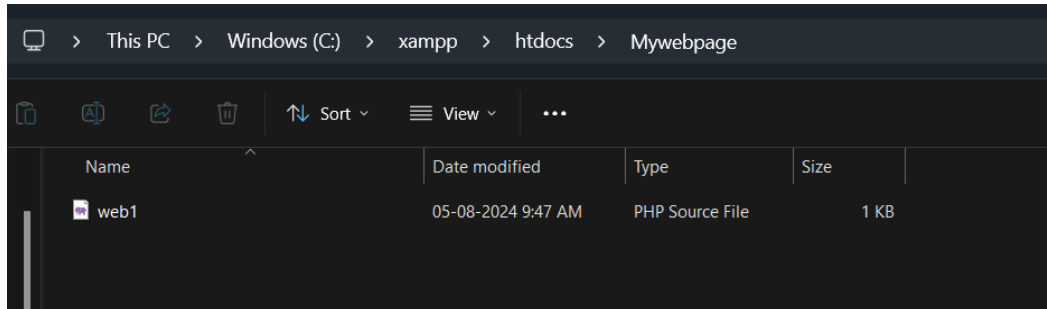
```
<?php
echo "Hello, My Name is Atharv Nikam";

echo "<br>";
echo "My roll no is 36";
echo "<br>";
echo "Welcome to Adv Devops Lab";
?>
```

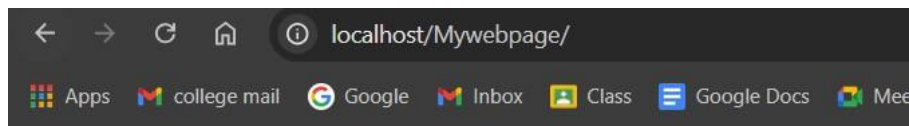
7)Starting Xampp



8)put your php file in the xampp ->htdocs



9)Open this

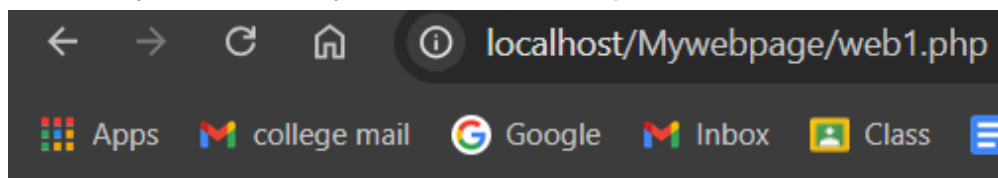


## Index of /Mywebpage

Name	Last modified	Size	Description
Parent Directory	-	-	-
web1.php	2024-08-05 09:47	140	

*Apache/2.4.58 (Win64) OpenSSL/3.1.3 PHP/8.2.12 Server at localhost Port 80*

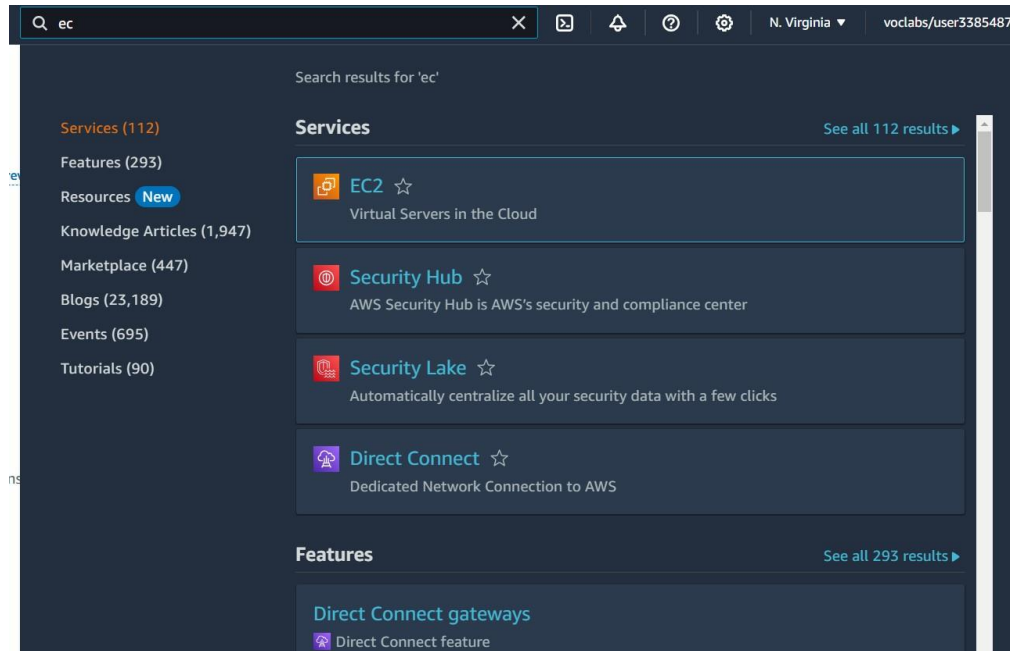
Click on your file and your website will open



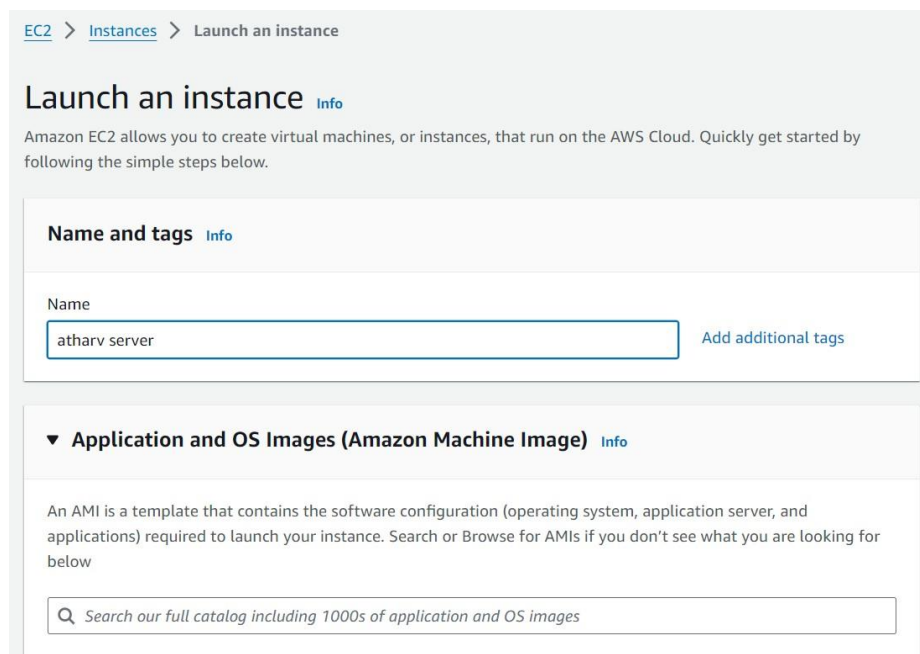
Hello, My Name is Atharv Nikam  
My roll no is 36  
Welcome to Adv Devops Lab

**Name: Atharv Nikam    Div D15C    Roll No: 36**  
**Aim : AWS (EC2) Installation steps for Linux instance**

1) Go to aws homepage and click on ec2



2) click on ec and give a name



### 3) select on ubuntu

#### ▼ 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


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


Recents


**Quick Start**


Amazon Linux  


macOS  


**Ubuntu**  


Windows  


Red Hat  


SUSE Linux  


  
**Browse more AMIs**  
Including AMIs from AWS, Marketplace and the Community

#### Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type Free tier eligible ▼  
ami-04a81a99f5ec58529 (64-bit (x86)) / ami-0c14ff330901e49ff (64-bit (Arm))  
Virtualization: hvm    ENA enabled: true    Root device type: ebs

#### Description

Ubuntu Server 24.04 LTS (HVM) EBS General Purpose (SSD) Volume Type. Support available from Canonical

### 4) select instance type t2

#### ▼ Instance type [Info](#) | [Get advice](#)

##### Instance type

**t2.micro** Free tier eligible  
Family: t2    1 vCPU    1 GiB Memory    Current generation: true  
On-Demand Windows base pricing: 0.0162 USD per Hour  
On-Demand SUSE base pricing: 0.0116 USD per Hour  
On-Demand RHEL base pricing: 0.026 USD per Hour  
On-Demand Linux base pricing: 0.0116 USD per Hour

☒ All generations  
[Compare instance types](#)

[Additional costs apply for AMIs with pre-installed software](#)

#### ▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name:

5) see the summary and launch the instance

▼ Summary

Number of instances

[Info](#)

1

Software Image (AMI)

Canonical, Ubuntu, 24.04 LTS, ...[read more](#)  
ami-04a81a99f5ec58529

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

**Free tier:** In your first year includes 750 hours of t2.micro (or

Cancel

Launch instance

[Review commands](#)

6) Successfully instance created

EC2 > Instances > Launch an instance

**Success**  
Successfully initiated launch of instance ([i-0a12db377565d1313](#))

▼ Launch log

Initializing requests

Succeeded

Creating security groups

Succeeded

Creating security group rules

Succeeded

Launch initiation

Succeeded



7) see your running instances

Instances (2)

Info

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

<

1

>

<input type="checkbox"/>	Name <div></div>	Instance ID	Instance state <div></div>	Instance type <div></div>	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	Atharv Server	i-074ec2b12248b84a0	<div><div></div>Running<div></div></div>	t2.micro	<div><div></div>Initializing</div>	<div>View alarms<div></div></div>	us-east-1c

8) click on connect

Instances (1/2) Info		Refresh	Connect	Instance state ▼	Actions ▼	Launch instances ▼
Find Instance by attribute or tag (case-sensitive)		All states ▼		< 1 > ⚙		
Instance state = running X		Clear filters				
<input type="checkbox"/>	Name	Instance ID	Instance state ▼	Instance type ▼	Status check	Alarm status
<input checked="" type="checkbox"/>	Atharv Server	i-074ec2b12248b84a0	Running	t2.micro	2/2 checks passed	View alarms +
<input type="checkbox"/>	aws-cloud9-AtahrvCloud9-020b82...	i-0709c00c32c38714b	Running	t2.micro	2/2 checks passed	View alarms +

9) you will see this page

Connect to your instance i-074ec2b12248b84a0 (Atharv Server) using any of these options

EC2 Instance Connect	Session Manager	SSH client	EC2 serial console
----------------------	-----------------	------------	--------------------

**⚠ Port 22 (SSH) is open to all IPv4 addresses**

Port 22 (SSH) is currently open to all IPv4 addresses, indicated by **0.0.0.0/0** in the inbound rule in [your security group](#). For increased security, consider restricting access to only the EC2 Instance Connect service IP addresses for your Region: 18.206.107.24/29. [Learn more](#).

Instance ID

i-074ec2b12248b84a0 (Atharv Server)

Connection Type

☒ **Connect using EC2 Instance Connect**

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

☐ **Connect using EC2 Instance Connect Endpoint**

Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address

44.206.244.123

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

ubuntu X

10) this console will open

```
aws | Services | Search [Alt+S] | [Icons]
* Documentation: https://help.ubuntu.com
* Management:   https://landscape.canonical.com
* Support:       https://ubuntu.com/pro

System information as of Wed Aug 14 07:02:38 UTC 2024

System load: 0.08          Processes:           106
Usage of /:  29.7% of 6.71GB Users logged in:        0
Memory usage: 20%          IPv4 address for enX0: 172.31.90.246
Swap usage:  0%

* Ubuntu Pro delivers the most comprehensive open source security and
  compliance features.

  https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sun Aug 11 13:48:16 2024 from 18.206.107.28
ubuntu@ip-172-31-90-246:~$

i-074ec2b12248b84a0 (Atharv Server)
PublicIPs: 44.206.244.123 PrivateIPs: 172.31.90.246
```

11) Run all the commands

```
aws | Services | Search [Alt+S] | [Icons]
Memory usage: 22%          IPv4 address for enX0: 172.31.51.5
Swap usage:  0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-51-5:~$

i-0a12db377565d1313 (Atharv Server)
PublicIPs: 54.209.65.33 PrivateIPs: 172.31.51.5
```

```
root@ip-172-31-90-246:~/temp# ls
spering-html  spering.zip
root@ip-172-31-90-246:~/temp# ls -lrt
total 552
drwxr-xr-x 5 root root 4096 Sep 16 2020 spering-html
-rw-r--r-- 1 root root 557415 Aug 20 2021 spering.zip
root@ip-172-31-90-246:~/temp# cd spering-html
root@ip-172-31-90-246:~/temp/spering-html# ls -lrt
total 72
-rw-r--r-- 1 root root 23212 Jul 28 2020 index.html
-rw-r--r-- 1 root root 10108 Jul 28 2020 about.html
-rw-r--r-- 1 root root 9824 Jul 28 2020 category.html
-rw-r--r-- 1 root root 11825 Jul 28 2020 work.html
drwxr-xr-x 2 root root 4096 Sep 16 2020 js
drwxr-xr-x 2 root root 4096 Sep 16 2020 images
drwxr-xr-x 2 root root 4096 Sep 16 2020 css
root@ip-172-31-90-246:~/temp/spering-html# mv * /var/www/html/
root@ip-172-31-90-246:~/temp/spering-html# cd /var/www/html/
root@ip-172-31-90-246:/var/www/html# ls -lrt
total 72
-rw-r--r-- 1 root root 23212 Jul 28 2020 index.html
-rw-r--r-- 1 root root 10108 Jul 28 2020 about.html
-rw-r--r-- 1 root root 9824 Jul 28 2020 category.html
-rw-r--r-- 1 root root 11825 Jul 28 2020 work.html
drwxr-xr-x 2 root root 4096 Sep 16 2020 js
drwxr-xr-x 2 root root 4096 Sep 16 2020 images
drwxr-xr-x 2 root root 4096 Sep 16 2020 css
root@ip-172-31-90-246:/var/www/html#
```

12) Enter the public domain from here

Name	Instance ID	Instanc...	Instanc...	Status check	Alarm status	Availabi...	Public I...	Public IPv4 ...
<input checked="" type="checkbox"/> Atharv Server	i-074ec2b1...	Runn...	t2.micro	2/2 checks p...	View alarms +	us-east-1c	ec2-44-20...	44.206.244.123

13) Enter the domain and open it on your browser and you will see the website

