

Hosting a static web page in AWS EC2 Instance

1. What is EC2

Ec2 is a computing service. It is used to launch VMs which has OS, Instance type which is CPU+RAM, HDD

2. To run a web application, we need a web server. To convert a server into a web server, we install a web package on the server, which is httpd.

3. These are the following commands used to launch the web application after installing httpd.

```
sudo su
yum update -y
yum install httpd -y
cd /var/www/html
vim index.html
```

// write the code into the file

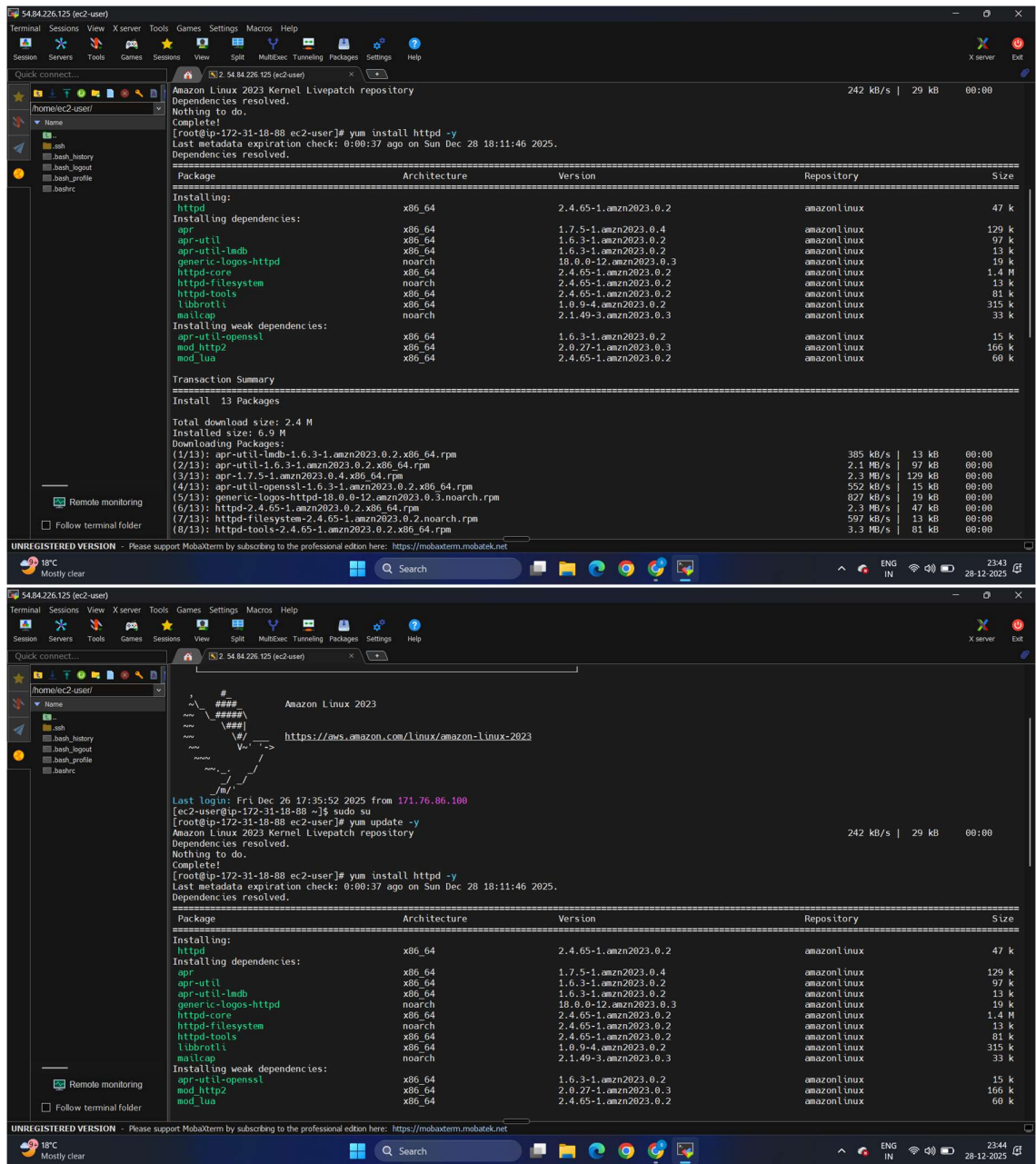
```
systemctl start httpd
systemctl enable httpd
systemctl status httpd
```

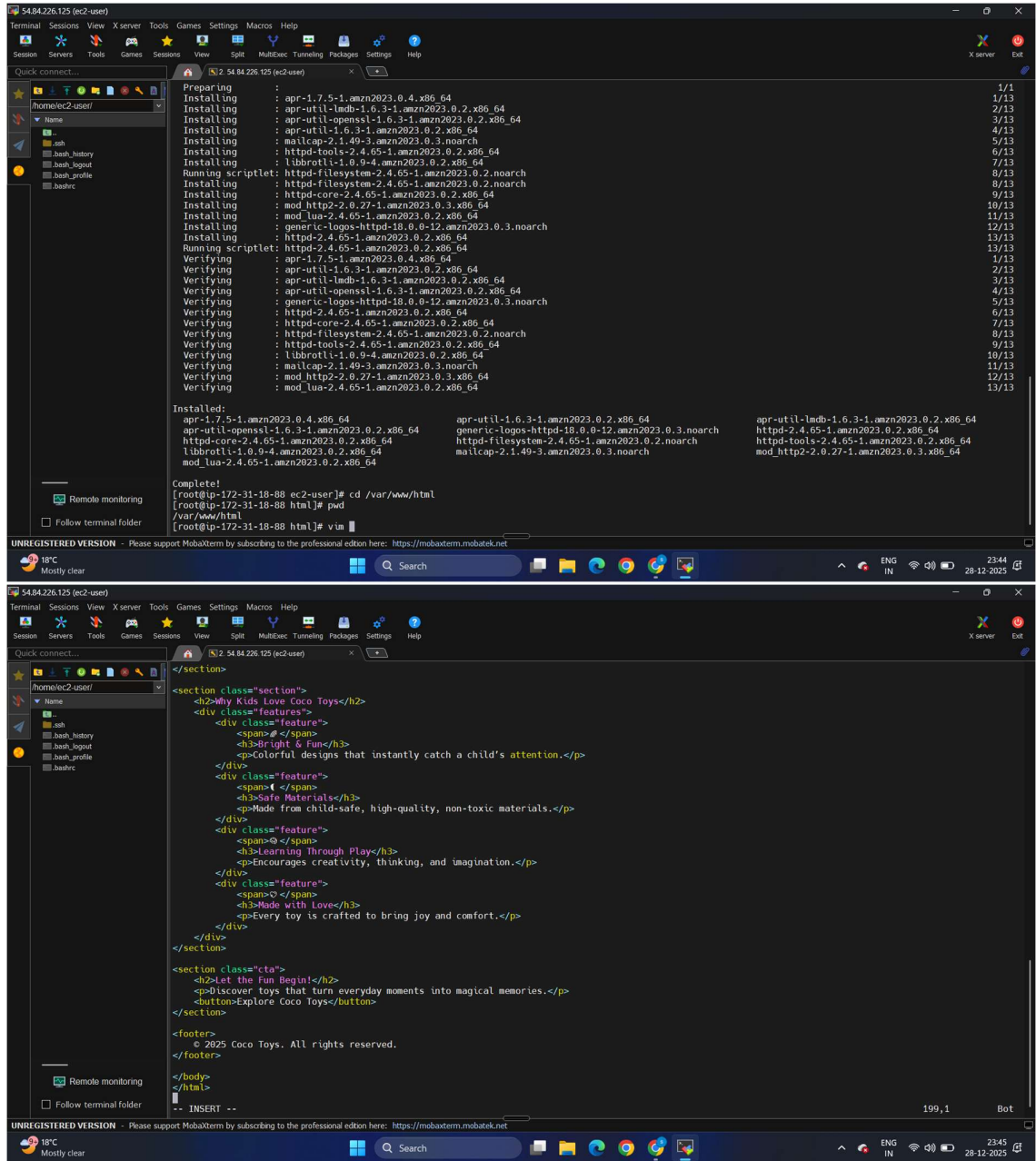
4. Hit the public IP address of the EC2 to view cute little toy store webpage.

5. If you hit private IP address you can't see anything.

Because you **cannot access an EC2 instance's private IP from the public internet.**

The **private IP only works inside the same VPC (or connected networks).**





54.84.226.125 (ec2-user)

TerminalSessionsViewX serverToolsGamesSettingsMacrosHelp

SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

Quick connect...54.84.226.125 (ec2-user)home/ec2-user/sshssh_historybash_logoutbash_profilebashrcRemote monitoringFollow terminal folder

Verifying: mod httpd-2.0.27-1.amzn2023.0.3.x86_6412/13
Verifying: mod_lua-2.4.65-1.amzn2023.0.2.x86_6413/13

Installed:
apr-1.7.5-1.amzn2023.0.4.x86_64
apr-util-openssl-1.6.3-1.amzn2023.0.2.x86_64
httpd-core-2.4.65-1.amzn2023.0.2.x86_64
libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mod_lua-2.4.65-1.amzn2023.0.2.x86_64
apr-util-1.6.3-1.amzn2023.0.2.x86_64
generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
httpd-filesystem-2.4.65-1.amzn2023.0.2.noarch
mailcap-2.1.49-3.amzn2023.0.3.noarch
apr-util-ldap-1.6.3-1.amzn2023.0.2.x86_64
httpd-2.4.65-1.amzn2023.0.2.x86_64
httpd-tools-2.4.65-1.amzn2023.0.2.x86_64
mod_http2-2.0.27-1.amzn2023.0.3.x86_64

Complete!
[root@ip-172-31-18-88 ec2-user]# cd /var/www/html
[root@ip-172-31-18-88 html]# pwd
/var/www/html
[root@ip-172-31-18-88 html]# vim index.html
[root@ip-172-31-18-88 html]# server httpd start
bash: server: command not found
[root@ip-172-31-18-88 html]# server httpd start
bash: server: command not found
[root@ip-172-31-18-88 html]# systemctl start httpd
[root@ip-172-31-18-88 html]# systemctl start httpd
Unknown command verb httpd.
[root@ip-172-31-18-88 html]# systemctl start httpd
[root@ip-172-31-18-88 html]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-18-88 html]# systemctl status httpd
● httpd.service - The Apache HTTP Server
Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
Active: active (running) since Sun 2025-12-20 10:17:20 UTC; 35s ago
Docs: man:httpd.service(8)
Main PID: 26029 (httpd)
Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
Tasks: 177 (limit: 1120)
Memory: 13.0M
CPU: 75ms
CGroup: /system.slice/httpd.service
└─26029 /usr/sbin/httpd -DFOREGROUND
└─26047 /usr/sbin/httpd -DFOREGROUND
└─26048 /usr/sbin/httpd -DFOREGROUND
└─26049 /usr/sbin/httpd -DFOREGROUND
└─26050 /usr/sbin/httpd -DFOREGROUND
Dec 20 18:17:20 ip-172-31-18-88.ec2.internal systemd[1]: Starting httpd.service - The Apache HTTP Server...


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Coco Toys brings smiles to children through colorful, safe, and creative toys designed to inspire imagination and happiness. Every Coco Toy is made with love, care, and a touch of magic.




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ENG IN23:48 28-12-2025




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Learning Through Play

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Made with Love

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Explore Coco Toys

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SecurityGroupsecurityGroupId=sg-0d42ad389d3d0ee47

Search

[Alt+S] Ask Amazon Q

United States (N. Virginia) Account ID: 1955-8071-8714 Bhuvana

EC2 > Security Groups > sg-0d42ad389d3d0ee47 - launch-wizard-2

EC2

Dashboards

EC2 Global View

Events

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Capacity Manager

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

sg-0d42ad389d3d0ee47 - launch-wizard-2

Actions

Details

Security group name

launch-wizard-2

Security group ID

sg-0d42ad389d3d0ee47

Description

launch-wizard-2 created 2025-12-26T17:17:10.708Z

VPC ID

vpc-023ab1507eeea1809

Owner

195580718714

Inbound rules count

3 Permission entries

Outbound rules count

1 Permission entry

Inbound rules

Outbound rules

Sharing

VPC associations

Tags

Inbound rules (3)

Manage tags

Edit inbound rules

	IP version	Type	Protocol	Port range	Source	Description
88	IPv4	HTTP	TCP	80	0.0.0.0/0	-
17d	IPv4	HTTPS	TCP	443	0.0.0.0/0	-
3e	IPv4	SSH	TCP	22	0.0.0.0/0	-

CloudShell

Feedback

Console Mobile App

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