

Host a website in AWS-Ec2

Launch an EC2 Instance

- Go to AWS Management Console → EC2 Dashboard

The screenshot shows the AWS Management Console with the EC2 service selected in the navigation bar. The dashboard has two main sections: 'Recently visited' on the left and 'Applications' on the right. The 'Recently visited' section lists various AWS services with icons: EC2, IAM, Billing and Cost Management, VPC, AWS Resource Explorer, Amazon EventBridge, Lambda, and AWS Auto Scaling. The 'Applications' section shows 0 applications in the US East (N. Virginia) region, with a 'Create application' button and a 'Find applications' search bar.

- Give a name for server

Ex: server Ec2

The screenshot shows the 'Launch an instance' wizard in the AWS Management Console. The first step, 'Name and tags', has a 'Name' field containing 'server Ec2'. The second step, 'Application and OS Images (Amazon Machine Image)', shows a search bar and a list of AMIs. The third step, 'Summary', shows a summary of the instance configuration: 1 instance, AMI 'Amazon Linux 2023 AMI 2023.7.2...', instance type 't2.micro', and a new security group. It includes 'Cancel', 'Launch instance', and 'Preview code' buttons.

- Choose which type of OS you want in server-Ec2

EC2 > Instances > Launch an instance

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2023 AMI 2023.7.2...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Launch instance

- AWS offers some type of Ec2, Choose your Ec2 type based on your requirement

EC2 > Instances > Launch an instance

Instance type

t2.micro

Family: t2 | 1 vCPU | 1 GiB Memory | Current generation: true

On-Demand Windows base pricing: 0.0162 USD per Hour

On-Demand Ubuntu Pro base pricing: 0.0134 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

Free tier eligible

All generations

Compare instance types

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2023 AMI 2023.7.2...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Launch instance

- Make a Key for operate your server.

EC2 > Instances > Launch an instance

Key pair (login)

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 - required

Select | Create new key pair

Network settings

Network: vpc-01ed7f4dddc2ae1b8 | mVPC

Subnet: subnet-0c70da3e0b00471c7 | Msub1

Auto-assign public IP: Info

Summary

Number of instances: 1

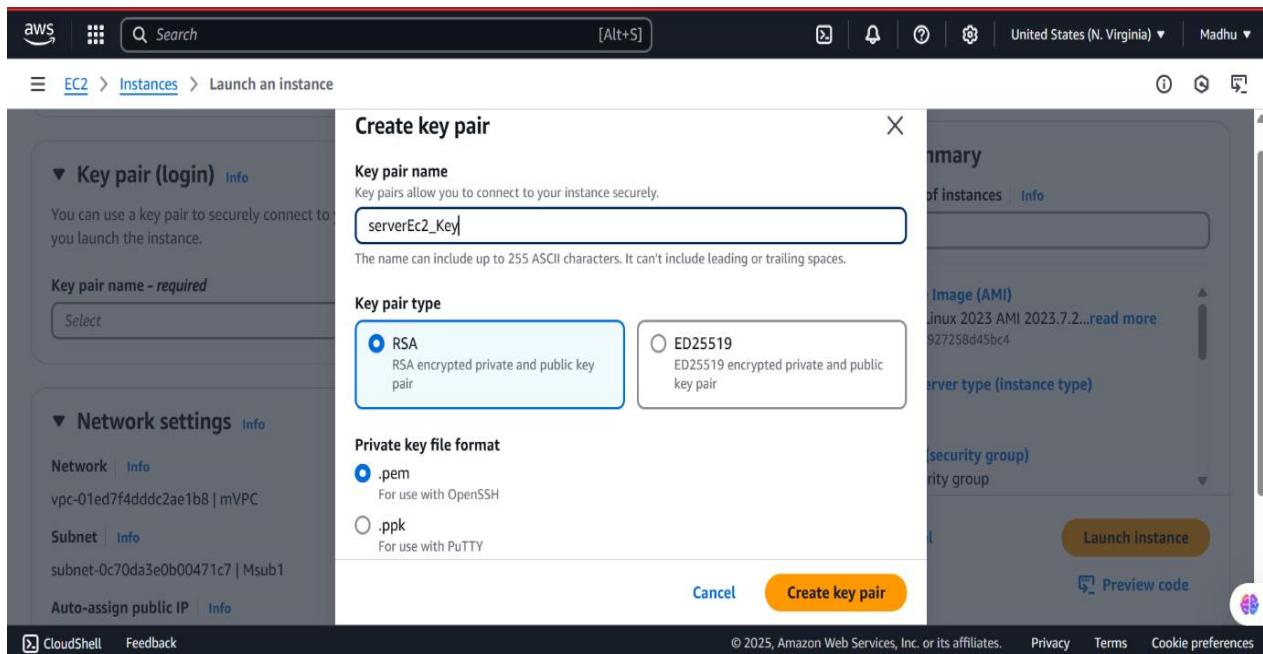
Software Image (AMI): Amazon Linux 2023 AMI 2023.7.2...read more

Virtual server type (instance type): t2.micro

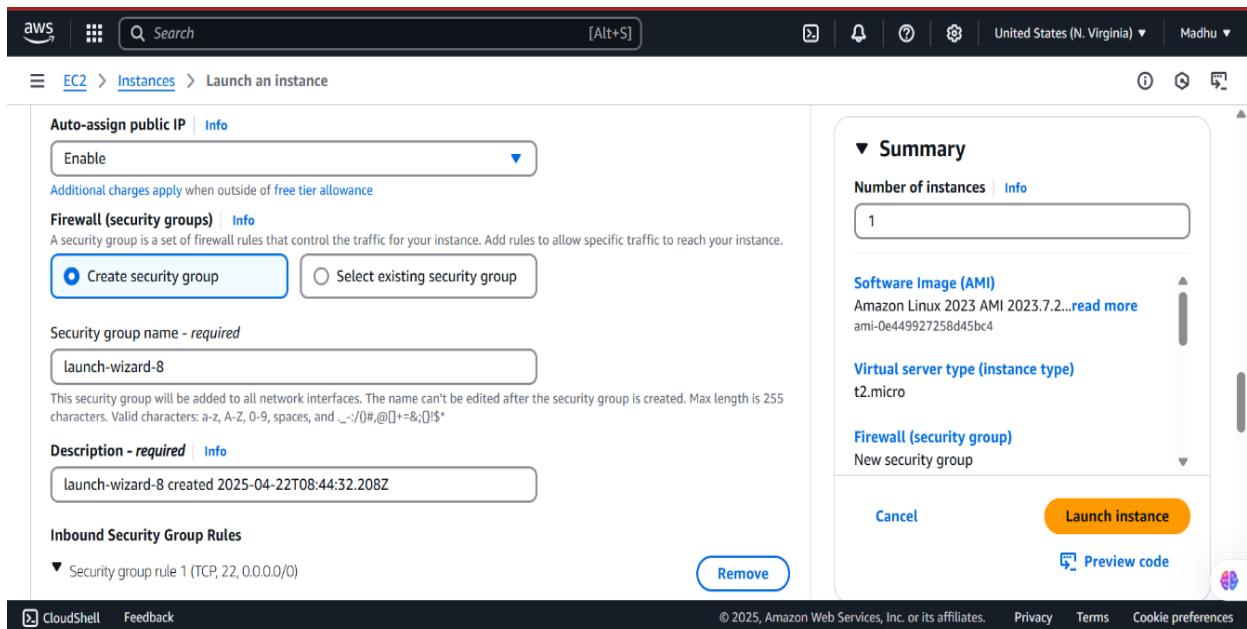
Firewall (security group): New security group

Launch instance

- Choose key pair format and create.



- The auto-assign public IP is must Enable else we can't connect with internet.



- Select security group what you required.

The screenshot shows the AWS EC2 'Launch an instance' configuration page. On the left, there are two sections for defining security group rules:

- Security group rule 2 (TCP, 22):** Type: ssh, Protocol: TCP, Port range: 22, Source type: Anywhere, Description: e.g. SSH for admin desktop.
- Security group rule 3 (TCP, 80, 0.0.0.0/0):** Type: HTTP, Protocol: TCP, Port range: 80, Source type: Anywhere, Description: e.g. SSH for admin desktop.

On the right, the 'Summary' section shows:

- Number of instances: 1
- Software Image (AMI): Amazon Linux 2023 AMI 2023.7.2...read more (ami-0e449927258d45bc4)
- Virtual server type (instance type): t2.micro
- Firewall (security group): New security group

At the bottom right are 'Cancel', 'Launch instance', and 'Preview code' buttons.

- Configure your server storage by your requirement.

The screenshot shows the 'Configure storage' section of the AWS EC2 'Launch an instance' configuration page. It displays the following details:

- Root volume: 8 GiB, gp3, 3000 IOPS, Not encrypted.
- A message: "Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage".
- A button: "Add new volume".
- A note: "Click refresh to view backup information".
- A note: "The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies".
- File systems: 0 x File systems.

On the right, the 'Summary' section shows:

- Number of instances: 1
- 1 volume(s) - 8 GiB
- A message: "Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs. 750 hours per month".

At the bottom right are 'Cancel', 'Launch instance', and 'Preview code' buttons.

- Click launch instance.

The screenshot shows the AWS EC2 Instances Launch log page. At the top, there is a green success message: "Successfully initiated launch of instance (i-007e87c6ef645417f)". Below this, there is a "Launch log" section. Under "Next Steps", there are four cards: "Create billing and free tier usage alerts", "Connect to your instance" (with a "Connect to instance" button), "Connect an RDS database", and "Create EBS snapshot policy". At the bottom of the page, there are links for CloudShell, Feedback, Privacy, Terms, and Cookie preferences.

- Goto instance and copy the instance public ID.

The screenshot shows the AWS EC2 Instances page. On the left, there is a sidebar with "EC2" selected, showing options like Dashboard, EC2 Global View, Events, Instances, Images, and CloudShell. The main area displays "Instances (1/1) Info" for "server Ec2" (Instance ID: i-0256a7338004e8162, State: Running). The instance summary shows the Public IPv4 address as 54.145.21.63 and the Private IPv4 address as 10.0.7.142.

Connect to EC2 Using MobaXterm

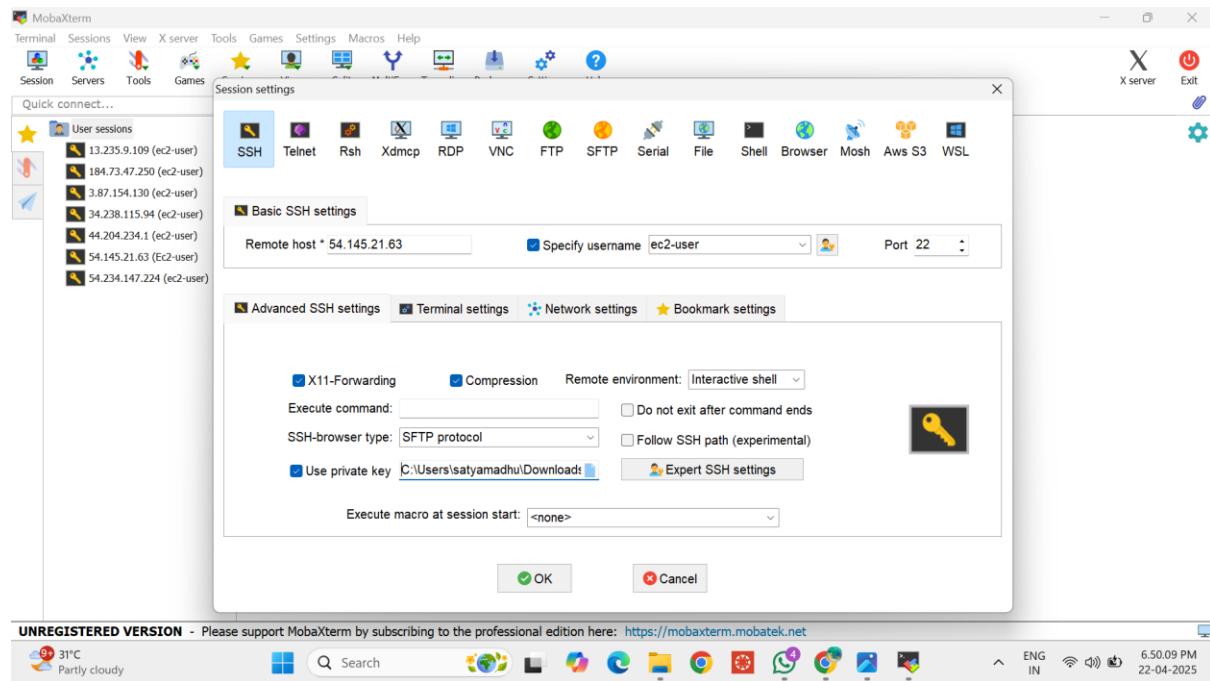
- Open **MobaXterm**
- Click **Session → SSH**

Give Remote host → instance public ID

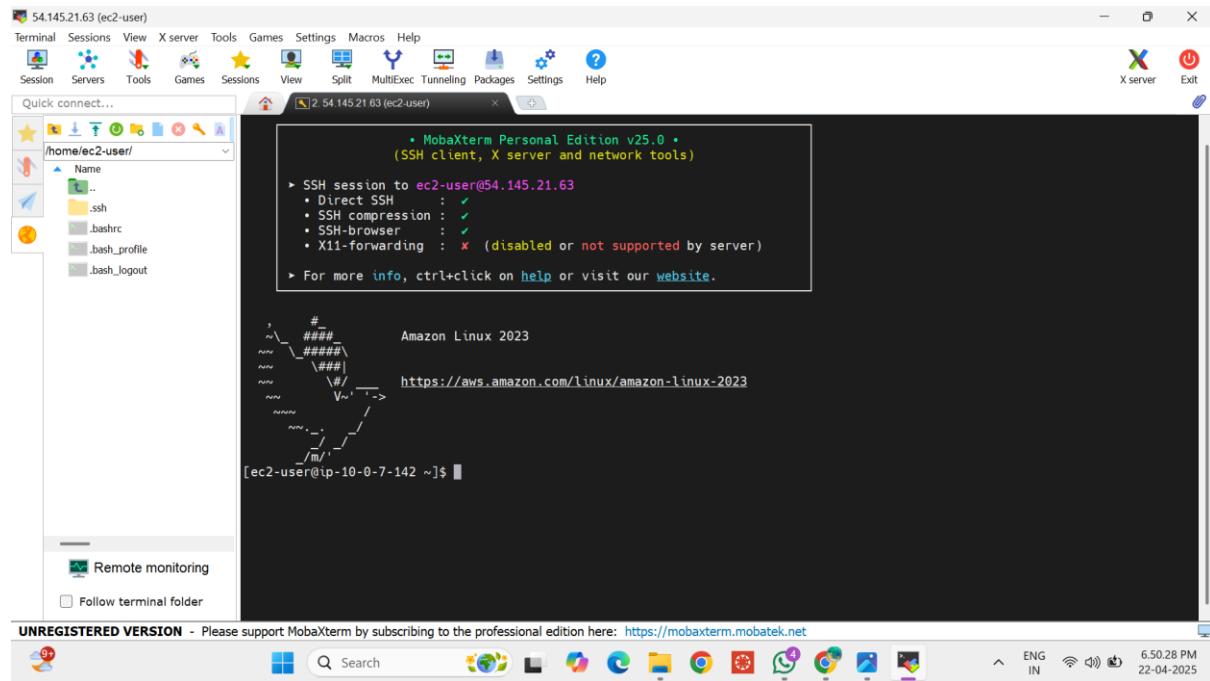
Username → ec2-user

Private key → select created key path.

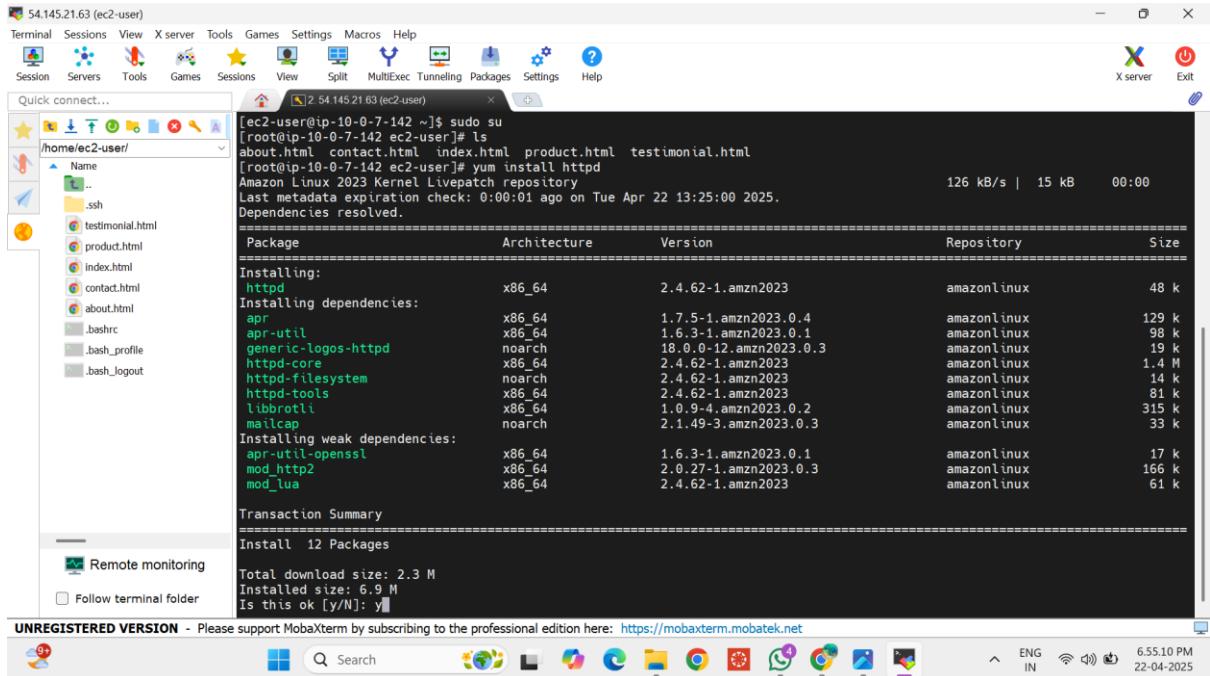
Click OK.



- Successfully connect your ec2.



- Install html in Ec2 or instance, for running html code.



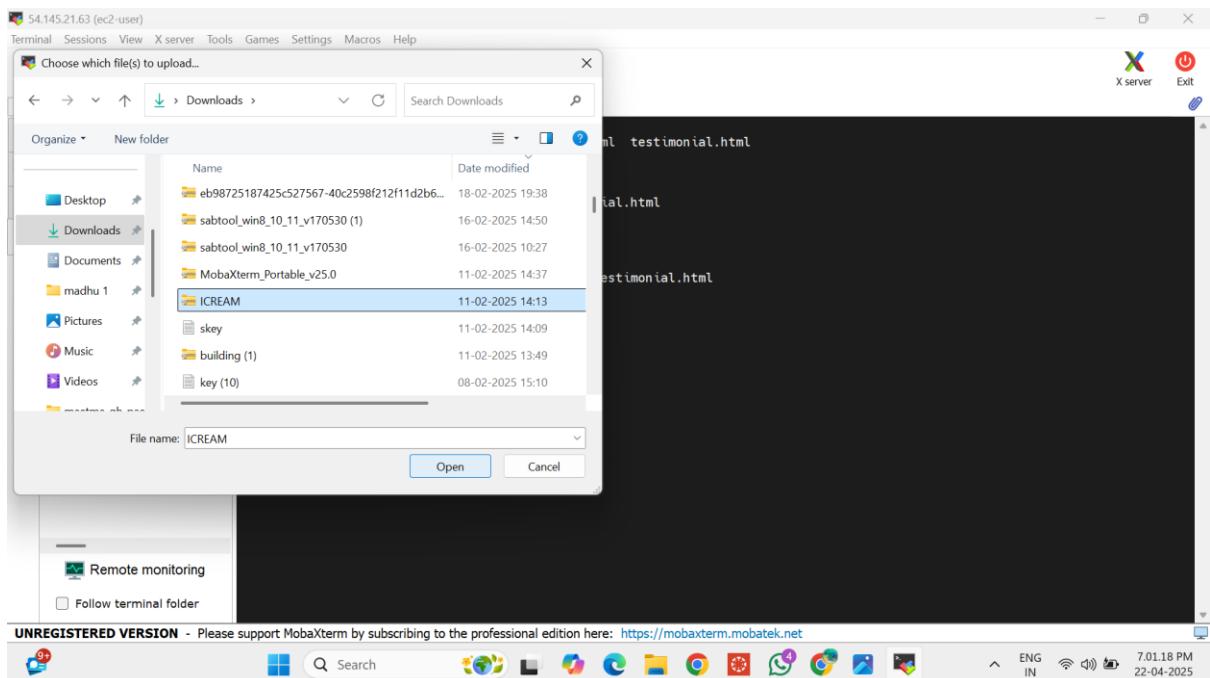
```
[ec2-user@ip-10-0-7-142 ~]$ sudo su
[root@ip-10-0-7-142 ec2-user]# ls
about.html contact.html index.html product.html testimonial.html
[root@ip-10-0-7-142 ec2-user]# yum install httpd
Amazon Linux 2023 Kernel Livepatch repository
Last metadata expiration check: 0:00:01 ago on Tue Apr 22 13:25:00 2025.
Dependencies resolved.

=====
Package           Architecture   Version      Repository  Size
=====
Installing:
httpd            x86_64        2.4.62-1.amzn2023  amazonlinux 48 k
Installing dependencies:
apr              x86_64        1.7.5-1.amzn2023.0.4  amazonlinux 129 k
apr-util         x86_64        1.6.3-1.amzn2023.0.1  amazonlinux 98 k
generic-logos-htpd noarch       18.0.0-12.amzn2023.0.3  amazonlinux 19 k
httpd-core       x86_64        2.4.62-1.amzn2023  amazonlinux 1.4 M
httpd-filesystem noarch       2.4.62-1.amzn2023  amazonlinux 14 k
httpd-tools      x86_64        2.4.62-1.amzn2023  amazonlinux 81 k
libbrotli        x86_64        1.0.9-4.amzn2023.0.2  amazonlinux 315 k
mailcap          noarch       2.1.49-3.amzn2023.0.3  amazonlinux 33 k
Installing weak dependencies:
apr-util-openssl x86_64        1.6.3-1.amzn2023.0.1  amazonlinux 17 k
mod_http2        x86_64        2.0.27-1.amzn2023.0.3  amazonlinux 166 k
mod_lua          x86_64        2.4.62-1.amzn2023  amazonlinux 61 k
Transaction Summary
=====
Install 12 Packages

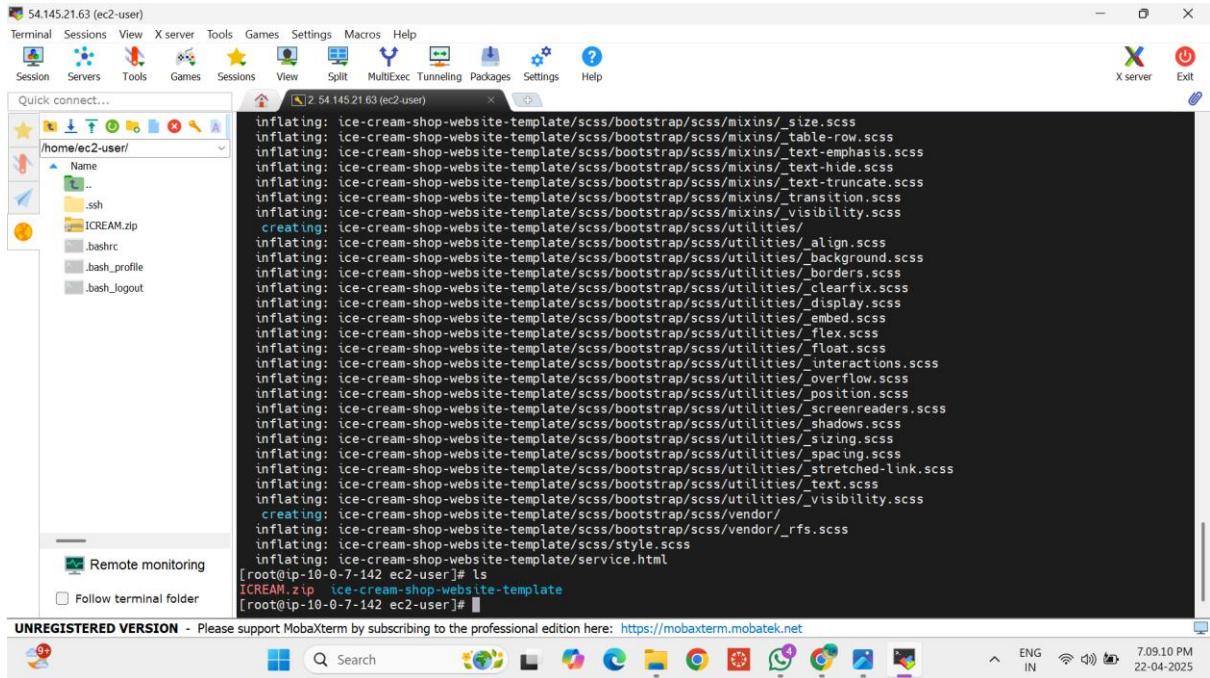
Total download size: 2.3 M
Installed size: 6.9 M
Is this ok [y/N]: y
```

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

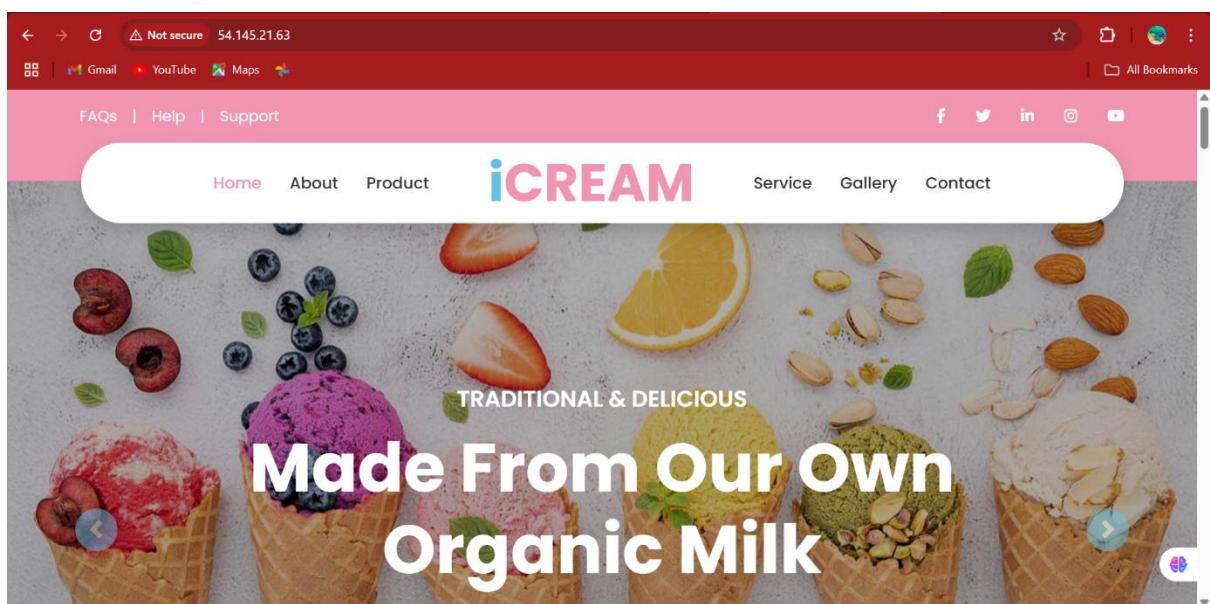
- Upload your web folder local Computer into Ec2 – Instance.



- Give the path to html and start the html.



- Copy your server public IP and search in WebEngine .





Description:

This documentation provides a step-by-step guide to hosting a static website on an AWS EC2 instance using **MobaXterm**. MobaXterm is a powerful SSH client for Windows that offers an easy interface to connect with remote servers. In this project, we use EC2 to deploy and serve a basic website using the Apache web server. This setup is useful for learning how to manage cloud-based hosting and remote server access. By following this guide, you will understand how to launch an EC2 instance, connect using MobaXterm, install a web server, and deploy your own website.