

Host a Website on AWS Linux (Amazon Linux 2023)

STEP 1 — Launch an EC2 Instance

1. Go to AWS Console → EC2
2. Click 'Launch Instance'
3. Choose Amazon Linux 2023 AMI
4. Instance type: t2.micro
5. Create/select a key pair
6. Allow ports: SSH (22), HTTP (80)
7. Launch instance

Screenshots:

The first screenshot shows the 'Launch an instance' page in the AWS Management Console. The 'Name and tags' section has 'Name' set to 'AdilEc2'. The 'Application and OS Images (Amazon Machine Image)' section shows 'Amazon Linux' selected under 'Quick Start'. The 'Summary' panel on the right shows 'Number of instances' as 1, 'Software Image (AMI)' as 'Amazon Linux 2023 AMI 2023.9.2...', 'Virtual server type (instance type)' as 't3.micro', 'Firewall (security group)' as 'New security group', and 'Storage (volumes)' as '1 volume(s) - 8 GiB'. The 'Launch instance' button is visible.

The second screenshot shows the 'Instance summary for i-0c00a7992ddb20877 (AdilEc2)' page. The instance is in the 'Running' state. Key details include: Instance ID 'i-0c00a7992ddb20877', Public IPv4 address '13.235.17.55', Private IP address '172.31.34.132', Public DNS 'ec2-13-235-17-55.ap-south-1.compute.amazonaws.com', Private IP DNS name 'ip-172-31-34-132.ap-south-1.compute.internal', Instance type 't3.micro', VPC ID 'vpc-091dd95936fc3158c', Subnet ID 'subnet-0cde50f9b4f7dfc88', and Instance ARN 'arn:aws:ec2:ap-south-1:369317511812:instance/i-0c00a7992ddb20877'. The 'Connect' button is visible.

STEP 2 — Connect to EC2

Windows PowerShell:

```
ssh -i "path/to/key.pem" ec2-user@YOUR_PUBLIC_IP
```

STEP 3 — Install Apache Web Server

```
sudo dnf update -y
```

```
sudo dnf install httpd -y
```

```
sudo systemctl start httpd
```

```
sudo systemctl enable httpd
```

screenshots:

[illegible]

```
malitcap-2.1.45-3.amzn2023.0.3.x86_64      mod_httpd-2.0.27-1.amzn2023.0.3.x86_64
mod_lua-2.4.65-1.amzn2023.0.2.x86_64

Complete!
[ec2-user@ip-172-31-34-132 ~]$ sudo systemctl start httpd
[ec2-user@ip-172-31-34-132 ~]$ sudo systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[ec2-user@ip-172-31-34-132 ~]$
```

STEP 4 — Upload Website Files

Website folder: /var/www/html/

Permissions:

```
sudo chmod -R 777 /var/www/html
```

```
Complete!
[ec2-user@ip-172-31-34-132 ~]$ sudo systemctl start httpd
[ec2-user@ip-172-31-34-132 ~]$ sudo systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[ec2-user@ip-172-31-34-132 ~]$ /var/www/html/
-bash: /var/www/html/: Is a directory
[ec2-user@ip-172-31-34-132 ~]$ sudo chmod -R 777 /var/www/html
[ec2-user@ip-172-31-34-132 ~]$
logout
Connection to ec2-13-235-17-55.ap-south-1.compute.amazonaws.com closed.
PS C:\Users\Ahmed Adil M> scp -i "C:\Users\Ahmed Adil M\Downloads\adilec2ser.pem" -r "C:\Users\Ahmed Adil M\Desktop\ADIL\MY website\index.html" ec2-us
er@13.235.17.55:/var/www/html/
The authenticity of host '13.235.17.55 (13.235.17.55)' can't be established.
ED25519 key fingerprint is SHA256:9du5KJSID17Q5WCNP7j0Hj9B88xFUjKm47Daeed0uHA.
This host key is known by the following other names/addresses:
C:\Users\Ahmed Adil M/.ssh/known_hosts:5: ec2-13-235-17-55.ap-south-1.compute.amazonaws.com
Are you sure you want to continue connecting (yes/no/[fingerprint])?
```

Upload from Windows:

```
scp -i "path/to/key.pem" -r "path/to/website/*" ec2-  
user@YOUR_PUBLIC_IP:/var/www/html/
```

```
Complete!
[ec2-user@ip-172-31-34-132 ~]$ sudo systemctl start httpd
[ec2-user@ip-172-31-34-132 ~]$ sudo systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[ec2-user@ip-172-31-34-132 ~]$ /var/www/html/
-bash: /var/www/html/: Is a directory
[ec2-user@ip-172-31-34-132 ~]$ sudo chmod -R 777 /var/www/html
[ec2-user@ip-172-31-34-132 ~]$
logout
Connection to ec2-13-235-17-55.ap-south-1.compute.amazonaws.com closed.
PS C:\Users\Ahamed Adil M> scp -i "C:\Users\Ahamed Adil M\Downloads\adilec2ser.pem" -r "C:\Users\Ahamed Adil M\Desktop\ADIL\MY website\index.html" ec2-us
er@13-235-17-55: /var/www/html/
The authenticity of host '13.235.17.55 (13.235.17.55)' can't be established.
ED25519 key fingerprint is SHA256:9du5kJSiDl7Q5WCNP7j0Hj9B88xfUjHm47Deed0UHA.
This host key is known by the following other names/addresses:
C:\Users\Ahamed Adil M/.ssh/known_hosts:5: ec2-13-235-17-55.ap-south-1.compute.amazonaws.com
Are you sure you want to continue connecting (yes/no/[fingerprint])?
```

STEP 5 — Restart Apache

```
sudo systemctl restart httpd
```

```
Warning: Permanently added '13.235.17.55' (ED25519) to the list of known hosts.
```

```
index.html
```

```
PS C:\Users\Ahammed Adil M> sudo systemctl restart httpd
```

```
Sudo is disabled on this machine. To enable it, go to the Developer Settings page in the Settings app
```

```
PS C:\Users\Ahammed Adil M> ssh -i "C:\Users\Ahammed Adil M\Downloads\adilec2ser.pem" ec2-user@ec2-13-235-17-55.ap-south-1.compute.amazonaws.com
```

```
#_
PU \_ ##### Amazon Linux 2023
PUPU \_#####
PUPU \_####
PUPU \#/ --- https://aws.amazon.com/linux/amazon-linux-2023
      V__ ' ' ->
PUPUPU /
PUPU /_/_/_/
     _/_/'
```

```
Last login: Sat Nov 22 05:33:56 2025 from 103.42.196.24
```

```
[ec2-user@ip-172-31-34-132 ~]$ sudo systemctl restart httpd
```

```
[ec2-user@ip-172-31-34-132 ~]$ Connection to ec2-13-235-17-55.ap-south-1.compute.amazonaws.com closed by remote host.
```

```
Connection to ec2-13-235-17-55.ap-south-1.compute.amazonaws.com closed.
```

STEP 6 — View Website

Open browser:

http://YOUR_PUBLIC_IP

