



Hosting a website on AWS EC2 instance by using the NGINX web server.



Step 1: Launch an EC2 Instance

1. **Login to AWS Console:** Go to [AWS Management Console](#), log in, and navigate to the EC2 service.
2. **Launch an Instance:**
 - Choose an Amazon Machine Image (AMI), such as **Amazon Linux 2** or **Ubuntu**.
 - Choose an instance type (e.g., **t2.micro** for free tier).
 - Configure instance details, security group, and storage.
 - Set up the Security Group to allow HTTP (port 80), HTTPS (port 443), and SSH (port 22) access.
 - **Launch the Instance** and keep the private as default



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Instances (1/1) Info Last updated 43 minutes ago

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
instance1	i-02dfc2d4dfe8cf825	Running	t2.micro	2/2 checks pass	View alarms	us-east-1a	ec2-52-90-81-

i-02dfc2d4dfe8cf825 (instance1)

▼ instance summary info

Instance ID i-02dfc2d4dfe8cf825 (instance1)	Public IPv4 address 52.90.81.93 open address	Private IPv4 addresses 172.31.33.253
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-52-90-81-93.compute-1.amazonaws.com open address
Hostname type IP name: ip-172-31-33-253.ec2.internal	Private IP DNS name (IPv4 only) ip-172-31-33-253.ec2.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address 52.90.81.93 [Public IP]	VPC ID vpc-086c1882be991b39e	Go to Settings to activate Windows.

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Step 2: Connect to EC2 instance

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EC2 > Instances > i-02dfc2d4dfe8cf825 > Connect to instance

Connect to instance info

Connect to your instance i-02dfc2d4dfe8cf825 (instance1) using any of these options

EC2 Instance Connect Session Manager SSH client EC2 serial console



Instance ID

i-02dfc2d4dfe8cf825 (instance1)

Connection Type

☒ Connect using EC2 Instance Connect

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 or IPv6 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 IPv4 address

52.90.81.93

☐ IPv6 address

—

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, ec2-user.

ec2-user

Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

Connect

1. **Connect via SSH:** Open a terminal and run the following command and update the packages by using command in terminal :

```
sudo yum update -y # For Amazon Linux
```

```
sudo apt update -y # For Ubuntu
```

2. **Install Nginx**

```
properly. </p>
[ec2-user@ip-172-31-33-253 ~]$ sudo yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
No packages marked for update
[ec2-user@ip-172-31-33-253 ~]$ sudo amazon-linux-extras install nginx1.12 -y
Installing nginx
```



Step 3 : Start and Enable Nginx by using these commands in terminal

```
[ec2-user@ip-172-31-33-253 ~]$  
[ec2-user@ip-172-31-33-253 ~]$ sudo systemctl start nginx  
[ec2-user@ip-172-31-33-253 ~]$ sudo systemctl enable nginx  
[ec2-user@ip-172-31-33-253 ~]$
```

Step 4 : Upload application code file if you want otherwise the default index.html page that is distributed with nginx on Amazon Linux. It is located in /usr/share/nginx/html.

- now put your content in a location of your choice and edit the root configuration directive in the **nginx** configuration file /etc/nginx/nginx.conf.

Step 5 : Test & Check the web-page using public IP address and port number

- `http://<public IP>:<port>`

Welcome to **nginx** on Amazon Linux!

This page is used to test the proper operation of the **nginx** HTTP server after it has been installed. If you can read this page, it means that the web server installed at this site is working properly.

Website Administrator

This is the default `index.html` page that is distributed with **nginx** on Amazon Linux. It is located in `/usr/share/nginx/html`.

You should now put your content in a location of your choice and edit the root configuration directive in the **nginx** configuration file `/etc/nginx/nginx.conf`.

 [\[Powered by nginx \]](#)