
Launching a website on the Ubuntu server:

Step 1: Launching an EC2 Instance:

Begin by launching an EC2 instance on AWS, opting for the Ubuntu image to serve as the foundation for your web server.

Step 2: Connecting to EC2 Instance:

Establish a secure connection to your EC2 instance using EC2 Instance Connect, ensuring a seamless and secure connection.

Step 3: Installing Apache Web Server:

```
bash
```

[Copy code](#)

```
sudo apt update && sudo apt upgrade
```

```
bash
```

[Copy code](#)

```
sudo apt install apache2
```

Step 4: Verifying Apache Installation:

Check if Apache is successfully installed by running commands such as `which apache2` or `apache2 -v`.

Step 5: Starting and Checking Apache Service:

Initiate the Apache service using :

- `sudo service apache2 start`.


Verify the status of the Apache service with:

- `sudo service apache2 status`.

Step 6: Viewing Default Apache Page:

Copy the public IP address of your EC2 instance and paste it into a browser.

You should see the default Apache welcome page.



Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|   |-- mods-enabled
|       |-- *.load
|       |-- *.conf
|   |-- conf-enabled
|       |-- *.conf
|   |-- sites-enabled
|       |-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining

Step 7: Customizing the Website:

- Navigate to the directory where web content is stored:
- `cd/var/www/html.`
- Remove the default `index.html` file:
- `sudo rm index.html.`
- Create and edit a new `index.html` file with your own content.

Step 8: Restarting Apache Service:

- After customization, restart the Apache service with
- `sudo service apache2 restart`

Step 9: Viewing Customized Website:

- Copy the public IP address of your EC2 instance again.
- paste it in the browser.
- You should now see your customized website content.