

Install Nginx Ubuntu

how to install nginx in ubuntu

Here's a **clean, beginner-friendly way to install Nginx on Ubuntu** (works for Ubuntu 20.04 / 22.04 / 24.04). I'll explain **what each step does**, so no confusion 👍

◆ Step 1: Update package list

This ensures Ubuntu knows about the latest software versions.

```
bash  
  
sudo apt update
```

◆ Step 2: Install Nginx

Install Nginx from Ubuntu's official repository.

```
bash  
  
sudo apt install nginx -y
```

✓ This installs:

- Nginx web server
- System service files
- Default configuration

◆ Step 3: Check Nginx status

Make sure Nginx is running.

```
bash  
  
sudo systemctl status nginx
```

You should see:

```
arduino
```

Active: **active** (running)

If not running, start it:

```
bash
```

```
sudo systemctl start nginx
```

◆ Step 4: Allow Nginx through firewall (IMPORTANT)

If UFW firewall is enabled:

```
bash
```

```
sudo ufw allow 'Nginx Full'
```

```
sudo ufw reload
```

To verify:

```
bash
```

```
sudo ufw status
```

◆ Step 5: Test Nginx in browser

Open your browser and visit:

```
arduino
```

```
http://localhost
```

or (for server)

```
cpp
```

```
http://<your-server-ip>
```

You should see the “Welcome to nginx!” page.



◆ Step 6: Important Nginx locations (Very useful)

Purpose	Path
Website root	<code>/var/www/html</code>
Main config	<code>/etc/nginx/nginx.conf</code>
Server blocks	<code>/etc/nginx/sites-available/</code>
Enabled sites	<code>/etc/nginx/sites-enabled/</code>
Logs	<code>/var/log/nginx/</code>

◆ Step 7: Useful Nginx commands

bash

```
sudo systemctl start nginx      # Start
sudo systemctl stop nginx       # Stop
sudo systemctl restart nginx    # Restart
sudo systemctl reload nginx     # Reload config (no downtime)
sudo nginx -t                   # Test config
```

◆ Optional: Enable Nginx on boot

bash

```
sudo systemctl enable nginx
```

✓ **Done!**

Nginx is now installed and running on Ubuntu 🇺🇸

Want next steps?

I can help you with:

- 1 Hosting a website using Nginx
- 2 Reverse proxy (Node.js / Spring Boot / FastAPI)
- 3 HTTPS with SSL (Let's Encrypt)
- 4 Nginx vs Apache comparison

Just tell me what you want next 🚀