

How to Install Cloudflare WARP (1.1.1.1) on Linux



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A step-by-step guide on how to install and configure Cloudflare WARP on various Linux distributions for enhanced security and privacy.



Cloudflare WARP is a free service that enhances your internet security and privacy by encrypting your connection and routing it through Cloudflare's network. This guide will walk you through the process of installing and configuring Cloudflare WARP on various Linux distributions.

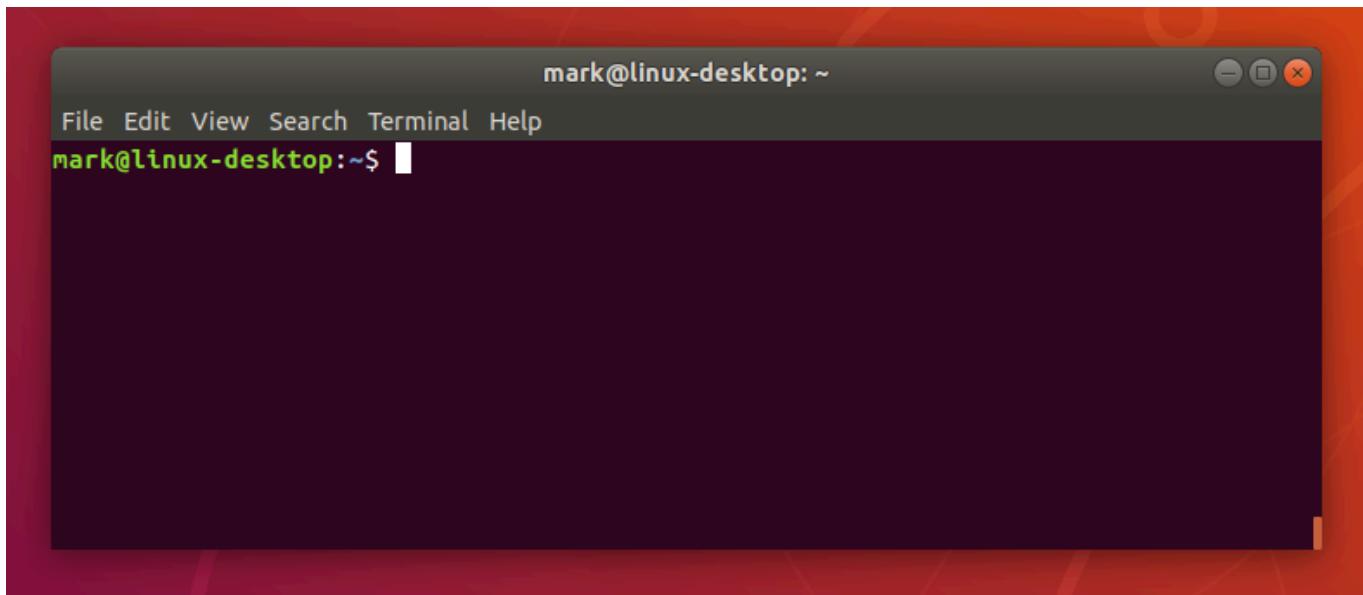
Prerequisites

- A Linux-based operating system (e.g., Ubuntu, Debian, Fedora, Arch Linux).
- Root or sudo privileges.
- An active internet connection.

Step 1: Open the Terminal

This is where you type commands. Don't worry – we'll guide you!

- Press **Ctrl + Alt + T** on your keyboard.
- A black/white window will pop up – that's your terminal!



Step 2: Install WARP

Follow the steps below for your Linux type:

For Ubuntu or Debian (e.g., Linux Mint, Pop!_OS):

1. Add the Security Key (like a password for safe software):

Copy-paste this into the terminal:

```
curl -fsSL https://pkg.cloudflareclient.com/pubkey.gpg | sudo gpg --yes --dearmor --output /usr/share/keyrings/cloudflare-warp-archive-keyring.gpg
```

Press Enter. Type your computer password if asked. Note: on most linux terminal you won't see anything while typing password. That's normal behavior.

2. Add Cloudflare's Software Library:

```
echo "deb [signed-by=/usr/share/keyrings/cloudflare-warp-archive-keyring.gpg] https://pkg.cloudflareclient.com/ $(lsb_release -cs) main" | sudo tee /etc/apt/sources.list.d/cloudflare-client.list
```

Press Enter.

3. Install WARP:

```
sudo apt-get update && sudo apt-get install cloudflare-warp
```

Press Enter. Type Y if asked to confirm.

For Fedora/CentOS/Red Hat:

1. Install WARP Directly:

```
sudo yum install cloudflare-warp
```

Press Enter. Type Y if asked.

Step 3: Turn On WARP

Unlike Windows and MacOS, Warp doesn't have an official GUI (or graphical user interface) on Linux, so you'll have to run it from the command line.

1. Start the Protection:

```
warp-cli registration new
```

Press Enter. This sets up your account.

2. Connect to WARP:

```
warp-cli connect
```

Press Enter. You're now protected!

3. Every time you want to connect you need to run warp-cli connect in the terminal. And if you want to disconnect run warp-cli disconnect

Step 4: Check if It's Working

Let's make sure WARP is active:

```
curl https://www.cloudflare.com/cdn-cgi/trace/
```

Press Enter. Look for **warp=on** in the text. If you see it – success! 🎉

Extra Options

Change Protection Modes

- **Basic Mode** (just safer internet):

```
warp-cli mode doh
```

- **Full Protection** (safer internet + privacy tunnel):

```
warp-cli mode warp+doh
```

Block Bad Websites (*Like for Kids*)

- **Block Viruses/Malware:**

```
warp-cli dns families malware
```

- **Block Adult Content:**

```
warp-cli dns families full
```

Troubleshooting

- **Stuck?** Close the terminal and reopen it.
- **Still not working?** Restart your computer.
- Visit [Cloudflare's Help Page](#) for more help.

You're Done!

Now your internet connection is safer and faster. No need to do anything else – WARP works quietly in the background. 

What WARP Is Not

WARP is like a seatbelt for your internet – it adds basic safety but isn't a magic invisibility cloak. Here's what it *doesn't* do:

- 🚫 **Hide your location** – Websites you visit can still see your general location (like your city).
- 🚫 **Unblock Netflix/geo-restricted content** – It won't let you watch shows only available in other countries.
- 🚫 **Replace advanced privacy tools** – It's not for spies or hackers (use Tor or a VPN for that).

WARP is designed for everyday safety, like stopping hackers at coffee shops or keeping your ISP from selling your browsing habits. Think of it as a “good enough” shield for most people, not a superhero cape!

WARP vs. Traditional VPN: What's the Difference?

Feature	WARP 	Traditional VPN 
Purpose	Secures your connection	Hides your location/IP address
IP Address	Websites see your real IP	Websites see a fake IP (e.g., UK/US)

Feature	WARP 	Traditional VPN 
Server Choice	No options – automatic routing	Pick servers in specific countries
For...	Casual users (like parents)	Techies, travelers, privacy buffs
Blocks Ads/Trackers	No (unless using Family modes)	Some VPNs include ad-blocking
Setup	One-click ON/OFF	Complicated settings/apps

When to use WARP:

- You want basic protection on public Wi-Fi.
- You don't care about hiding your location.

When to use a VPN:

- You need to access country-specific websites (e.g., Netflix libraries).
- You want to hide your IP address completely.