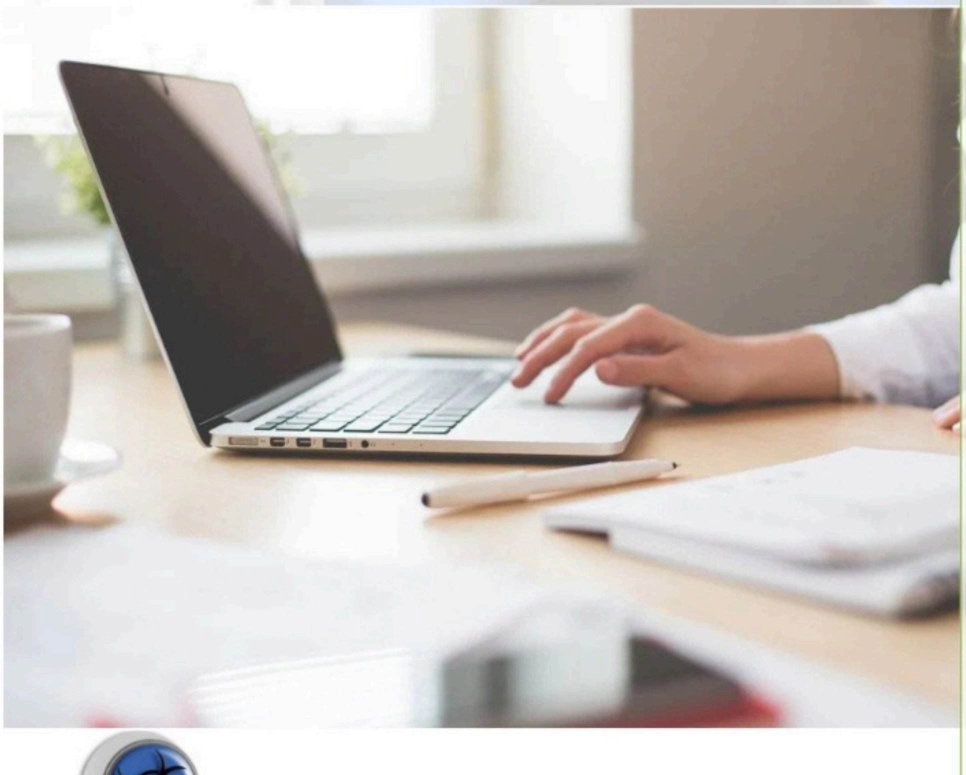
CRYPTUS CYBER SECURITY PVT. LTD.

By-Sa



VPN (Virtual Private Network)

Back to the basics. **VPN** stands for **Virtual Private Network**. Using a VPN is an easy and efficient way to increase your online safety, privacy and freedom. When you're using the internet, there is a constant process of your device exchanging data with other parties on the web. A **VPN creates a secure tunnel** between your device (e.g. smartphone or laptop) and the internet. The VPN allows you to send your data via an encrypted, secure connection to an external server: the VPN server. From there, your data will be sent onward to its destination on the internet.

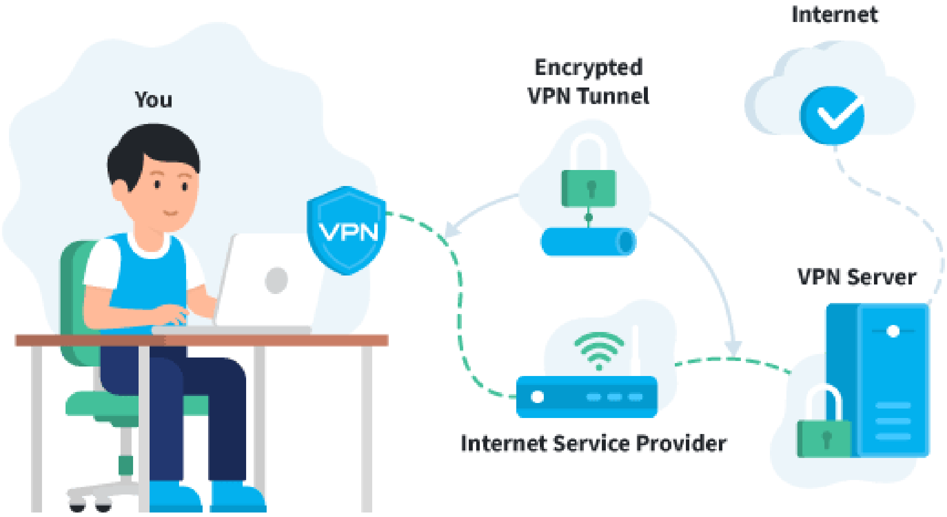
Rerouting your internet traffic through a VPN server has several advantages. First, it helps you **hide your identity online**. Second, it **secures your data**. And third, it allows you to **use the internet more freely**.

How Do VPN Work?

Connecting to a VPN is generally quite simple. After subscribing to a VPN provider, you download and install the VPN software. You then select a server you want to connect to and the VPN will do the rest.

When the connection has been established, the following will happen to your data:

1. The VPN software on your computer encrypts your data traffic and sends it to the VPN server through a secure connection. The data also goes through your Internet Service Provider, but they can no longer snoop because of the encryption.
2. The encrypted data from your computer is decrypted by the VPN server.
3. The VPN server will send your data on to the internet and receive a reply, which is meant for you, the user.
4. The traffic is then encrypted again by the VPN-server and is sent back to you.
5. The VPN-software on your device will decrypt the data so you can actually understand and use it.



The VPN application runs in the background of your computer, tablet, or smartphone. You can access the internet as you normally would and won't notice anything different – save for the fact that you'll be able to get around online restrictions

What Advantages Does a VPN Offer?

There are many different reasons to use a VPN. The most common reasons are online anonymity, safety and freedom (unblocking restricted or censored material). We'll explain further:

Advantage 1: Anonymity online

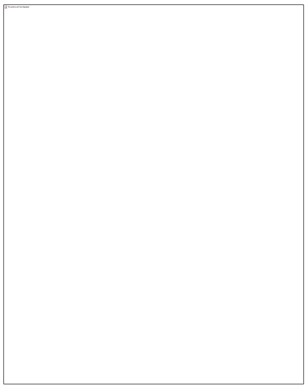
Without a VPN your location and even your identity can be traced without too much hassle, thanks to your IP address. This IP address is unique to your internet connection. It is like an online postal code that tells people who you are and where you are at. It enables people to connect your online behavior to you.

A VPN **hides your IP address and location**. When you use a VPN, your internet traffic is rerouted through an external server and your online activities can only be traced back to the IP address of the VPN server, but no longer to your IP address and you.

By using a VPN, websites, marketeers, streaming services, governments and cybercriminals can no longer identify you with your IP address, because they only see the IP address of the VPN server you're connected to. Moreover, they won't be able to find out your real location, because **to others it will look like you are where the VPN server is**.

So by using a VPN **your online activity will no longer be linked to your own IP address**. This way you can browse the internet with more anonymity.

Advantage 2: Protection against hackers and governments



A VPN encrypts your data traffic through strong encryption protocols, which make intercepting and reading your data almost impossible. Why is this important? Well, in this day and age there are a lot of parties that want to listen in or take a look at what you are doing online.

There are **many different parties that are interested in your internet traffic**, among them are governments and cybercriminals. The security a VPN offers makes it a lot **harder for them to look at your data**. This increases your online safety.

We have to mention that a VPN isn't the ultimate solution to all things cybercrime. We always recommend combining a VPN with a good antivirus solution so you cover all your bases.

Advantage 3: Secure browsing on public networks

Using a public Wi-Fi network can be very risky. Other users on the same network (for example hackers) can easily tap into your data and personal information. Since you don't want others to have access to, for instance, your email login, images/files or credit card information it might be wise to use a VPN connection.

The VPN **encrypts all of your data while you use the public Wi-Fi network**. A hacker will only see encrypted matter and won't be able to see or use your personal information.

Advantage 4: Fight online censorship

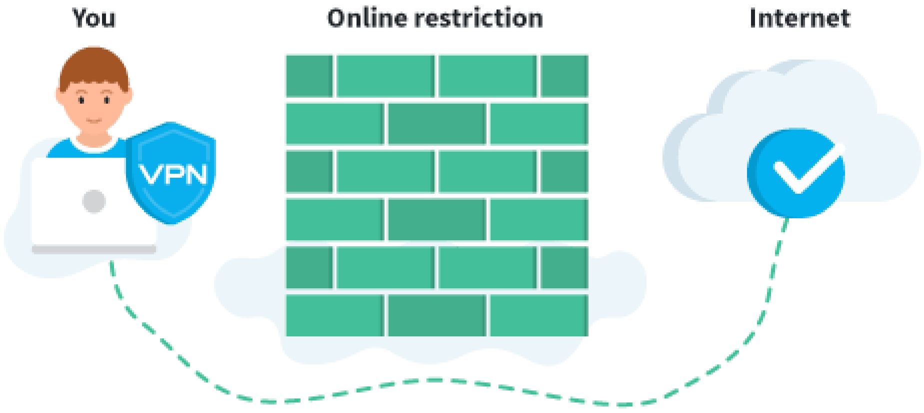
In a lot of countries (like China, Turkey, Russia, Iran) governments heavily censor the internet.

These countries block access to certain internet services and websites. Examples of apps and websites that are often blocked are WhatsApp, Google, Instagram, YouTube, Skype, Spotify and Facebook. Moreover, news websites and journalist platforms are often blocked because they are seen as a threat to the sitting government. In these countries this censorship heavily impacts the freedom of speech of their citizens.

In some western countries there are also online restrictions. For example, many countries block the Pirate Bay website because they do not want their citizens to download illegal materials.

A VPN can help you bypass censorship and restrictions by allowing you to connect to a server in a different country. By doing this you can go online as if you were in that other country. This way you can **gain access to websites and services** that are not available in your own country.

Advantage 5: Bypass geographical restrictions



It's not just countries that impose restrictions on the internet. Some online services also restrict access to their content in certain regions. This happens with **streaming services** that only have broadcasting rights in certain countries and not in others.

If you are **on holiday or you moved to a different country**, you might be unable to view your usual streams. A VPN will also enable you to connect to the internet via servers in your home country, so you can watch your favorite show or access blocked websites again. It also works the other way around: if you want to **gain access to websites or streaming services from a different country** (for example to watch a different version of Netflix), you can do so with a VPN.

Advantage 6: Anonymous downloading

Downloading certain Torrents is illegal in some countries and more than ever before **downloaders are tracked down** and sometimes even **prosecuted**. Of course, we are not advocating any illegal actions. However, we do understand people want online privacy and anonymity, not just when browsing the internet, but also when uploading and downloading files.

To make sure **nobody knows what you are downloading or uploading** you can use a VPN. Because of the encrypted traffic and the rerouted IP address you can download anonymously with a VPN.

Advantage 7: Prevent a digital file

Advertising networks such as Facebook, Google, and Twitter are constantly collecting information about you through your online traffic. With this information, they can show you tailored ads but more importantly, they are free to sell this information to a third party. By encrypting your data using a VPN these **networks will have a harder time collecting information on you**. They will also have less influence on what you see online

Advantage 8: Access to your company’s network

More and more companies are giving people the possibility to work from home, or abroad for instance. Some people connect to the internet via a VPN to access the company network at home. This enables people to work from home safely and efficiently.

To read more about the different reasons why people use a VPN please read our article on the subject: What are the advantages of a VPN?

What Limitations do VPNs Have?

A VPN has a lot to offer when it comes to privacy and security. However, it’s not the end all be all of cybersecurity and privacy. To browse the web safely and anonymously, you’ll need to **observe some extra privacy measure**s, on top of using a VPN connection. For instance, you’ll still have to **clear your cookies** regularly. Moreover, there are also **things a VPN simply can’t do**.

Say **you're logged in to your Google account**, you can be connected to a VPN on the other side of the world, Google will **still be able to create a profile of you as an internet user**. After all, they'll simply correlate your search history with your account information, regardless of whether you change your IP address or not. The same is true for services like Facebook. There are more ways in which online entities can **determine your identity** which **a VPN doesn't protect you from**. When using Google Maps, for instance, you're often required to turn on **GPS**. This means Google Maps can see exactly where you are. There are also more advanced ways that are used to identify internet users, such as browser fingerprinting. This method uses your browser's and device's settings to distinguish you from other internet users.

Moreover, a VPN can **slow down your internet.** Your data has to be sent through the VPN server, which means it can take slightly longer to end up where it needs to be. However, there are several effective ways to increase internet speeds while connected to a VPN.

And then there's the fact that **VPN users are sometimes actively thwarted**. VPNs are banned in some countries. There are also websites, apps and services that will deny you access if you use a VPN.

In other words, a VPN does significantly improve your online privacy and safety and is a vital part of your privacy and security precautions. However, it's important to **be aware of the limitations that VPNs have** and the additional measures required to compensate for these limitations. Fortunately, we have an article that highlights these measures and helps you to be anonymous online.

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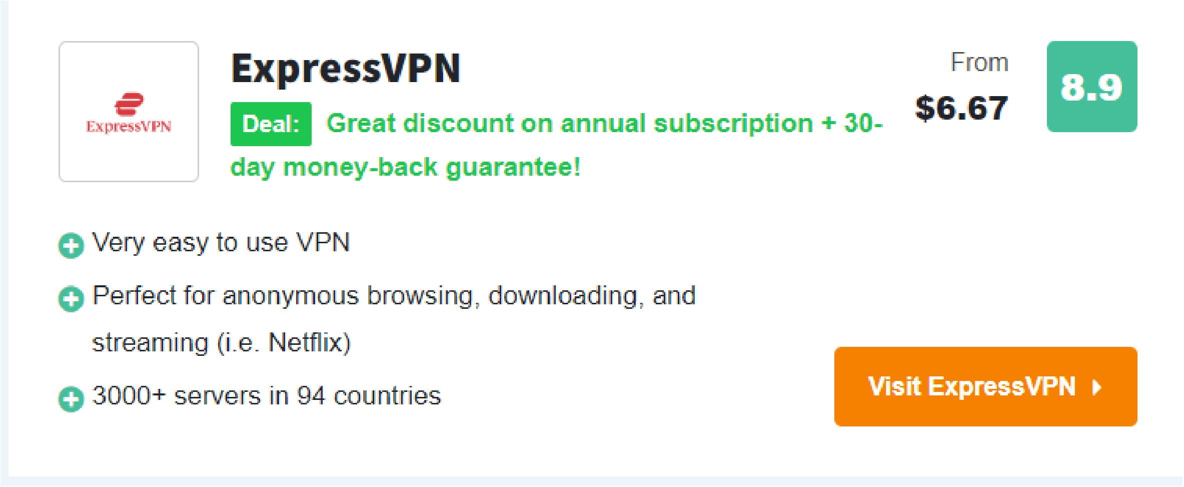
Three Great VPN Providers for Beginners

If you'd like to start using a VPN, it's easiest to choose a trustworthy provider and access the internet through their servers. We have tested most major VPN providers of this moment on their usability and quality. Most good VPN providers offer trials so you can check out their service free of charge. If you’d like to get started with a simple yet great VPN, we recommend ExpressVPN, NordVPN, or Surfshark.

ExpressVPN

ExpressVPN is one of the best VPNs we’ve tested so far. They offer several thousand fast and stable servers, applications for all devices, and a great customer service. This VPN also works with Netflix, so you can unblock all your favorite shows. ExpressVPN has a 30-day money-back guarantee, so you can try it out before getting a lengthier subscription.
ExpressVPN aims to offer you the best quality, and that comes with a price tag. They aren’t the cheapest VPN provider around, but with our special discount offer, you can get a subscription for $6,67 a month. This subscription allows you to protect five of your devices with ExpressVPN. You can read more about this provider in our full review of ExpressVPN. Click the button below to check out ExpressVPN’s website.



ExpressVPN

Deal: **Great discount on annual subscription + 30-day money-back guarantee!**

From **$6.67**

8.9

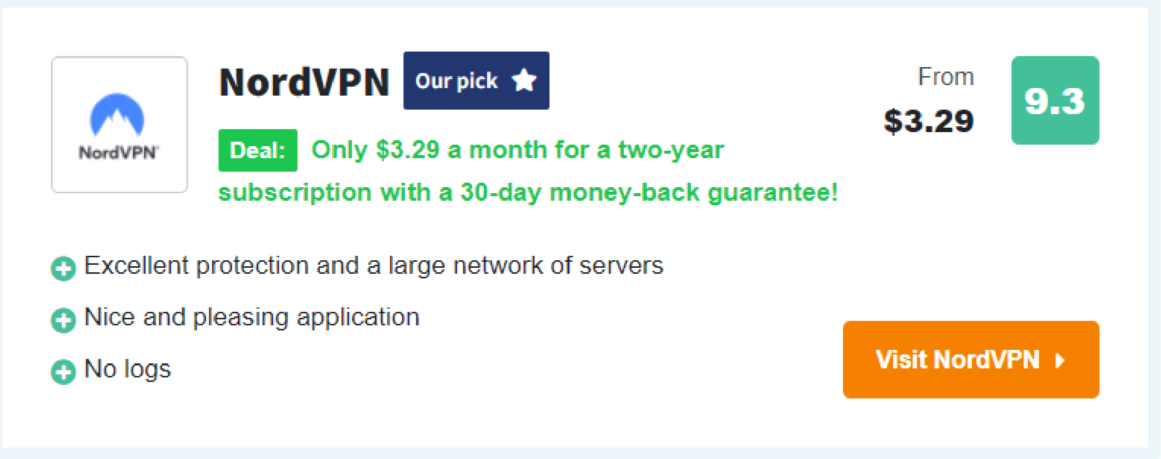
- Very easy to use VPN
- Perfect for anonymous browsing, downloading, and streaming (i.e. Netflix)
- 3000+ servers in 94 countries

NordVPN

A second VPN we’d like to recommend is NordVPN. This good and trustworthy service offers high levels of security. Its software looks sleek while also being easy to use. Its high levels of security cause NordVPN to be slightly slower than ExpressVPN, but it remains a very good option. For the quality they offer, they’re very affordable. Moreover, the applications are user-friendly and well-structured. Read more about this provider in our full NordVPN review.

NordVPN also offers more advanced options. These are great when you’ve gotten used to VPNs and are looking for specific features to help you out. For instance, NordVPN offers dedicated IP addresses and obfuscated servers, which make circumventing geo-restrictions, such as those enforced by Netflix, easier. Similarly, NordVPN also offers double VPN connections for extra privacy and security.

NordVPN has a 30-day money-back guarantee. They also have very affordable deals, especially on their long-term subscriptions. If you’re interested, you can check out their discounts by clicking the button below.



NordVPN Our pick ★

Deal: Only $3.29 a month for a two-year subscription with a 30-day money-back guarantee!

From
$3.29

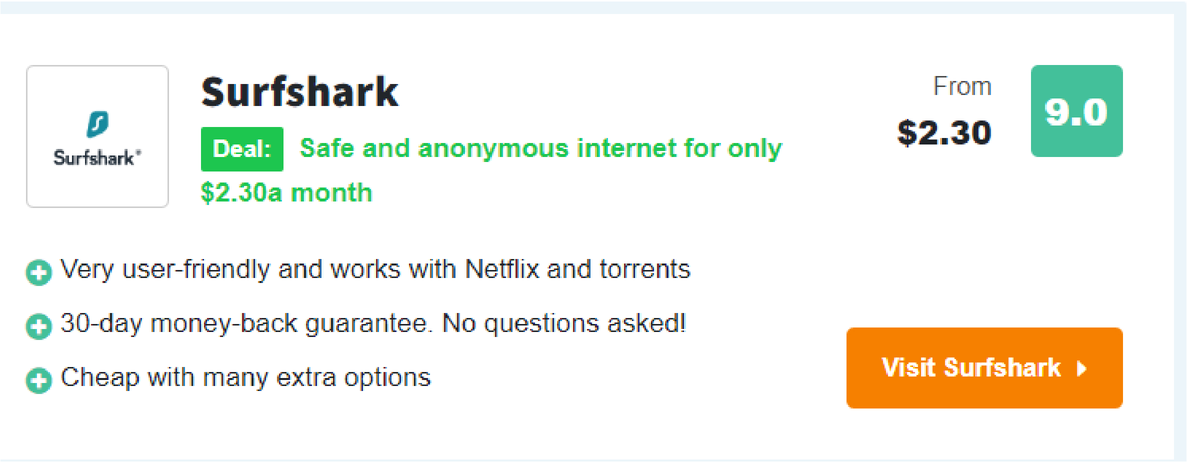
9.3

- Excellent protection and a large network of servers
- Nice and pleasing application
- No logs

Surfshark

Surfshark has earned a third place in our top 5. The biggest difference between Surfshark and many other VPN-services, such as ExpressVPN, is that Surfshark is much cheaper. The VPN-software that Surfshark offers is very user-friendly. With just a few clicks, you'll have installed it and be connected to the perfect VPN-server. Then you'll be able to use the VPN to surf while using a different IP address, so you can watch one of the many different local Netflix libraries, for example. You might want to watch one of the countless movies and series on the American Netflix. With Surfshark, it's easy.

Aside from their standard VPN service, Surfshark offers plenty of additional features. If you'd like an overview of all the extra options this provider offers, you can have a look at our full review right here. To give you a short summary: Surfshark is a fantastic VPN for every beginning VPN user but is also suitable for the more experienced user who wants to have a wide array of possibilities at their disposal. Would you like to try out Surfshark? Click the button in the box below to visit their website.



Surfshark

Deal: Safe and anonymous internet for only $2.30a month

From

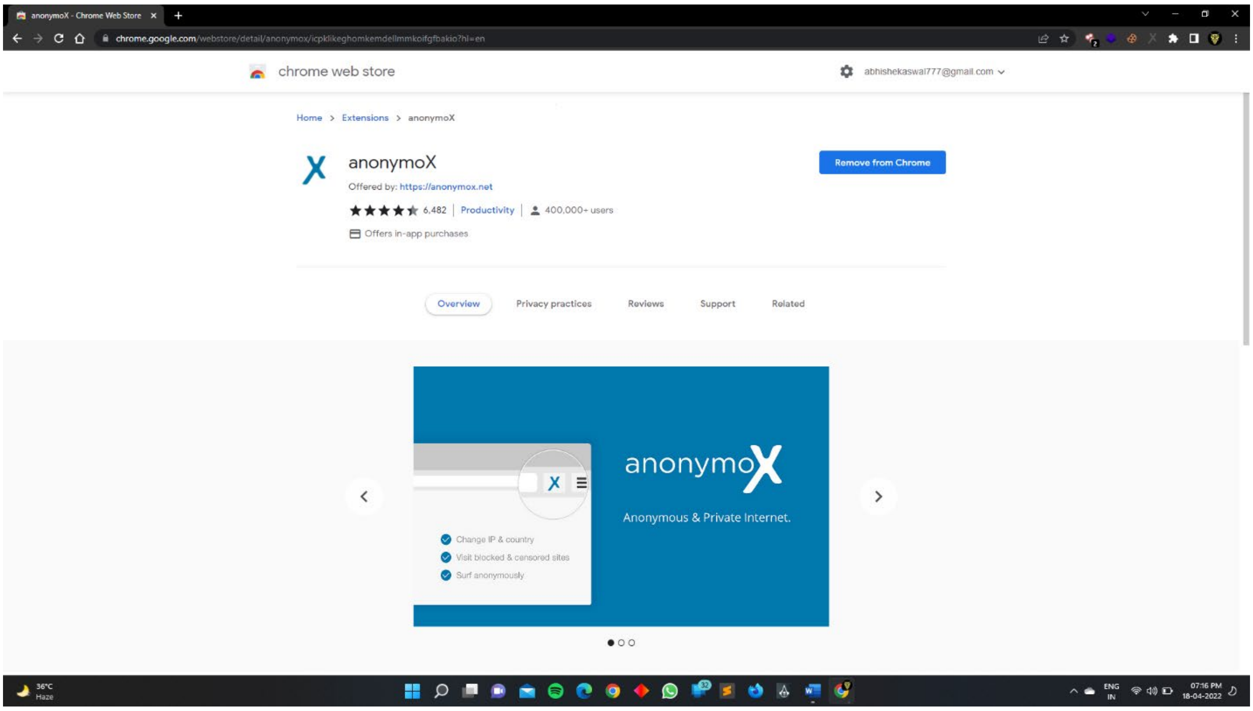
$2.30

9.0

- Very user-friendly and works with Netflix and torrents
- 30-day money-back guarantee. No questions asked!
- Cheap with many extra options

Practical

If you want to change the browser Ip address



anonymoX - Chrome Web Store

chrome.google.com/webstore/detail/anonymox/icpklikeghomkemdellmmkoifgfbakio?hl=en

chrome web store

abhishekaswal777@gmail.com

Home > Extensions > anonymoX

anonymoX

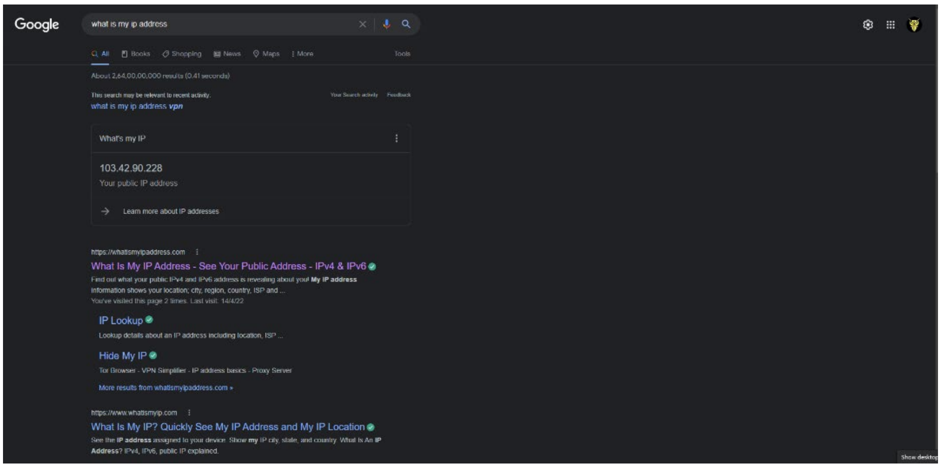
Offered by: https://anonymox.net

★★★★★ 6,482 | Productivity | 400,000+ users

Offers in-app purchases

Here I am using anonymoX Extension in chrome :-

Without using VPN :-



Google

what is my ip address

About 2,64,00,00,000 results (0.41 seconds)

This search may be relevant to recent activity.
what is my ip address vpn

What's my IP

103.42.90.228
Your public IP address

Learn more about IP addresses

https://whatismyipaddress.com
What Is My IP Address - See Your Public Address - IPv4 & IPv6
Find out what your public IPv4 and IPv6 address is revealing about you! My IP address information shows your location; city, region, country, ISP and ...
You've visited this page 2 times. Last visit: 14/4/22

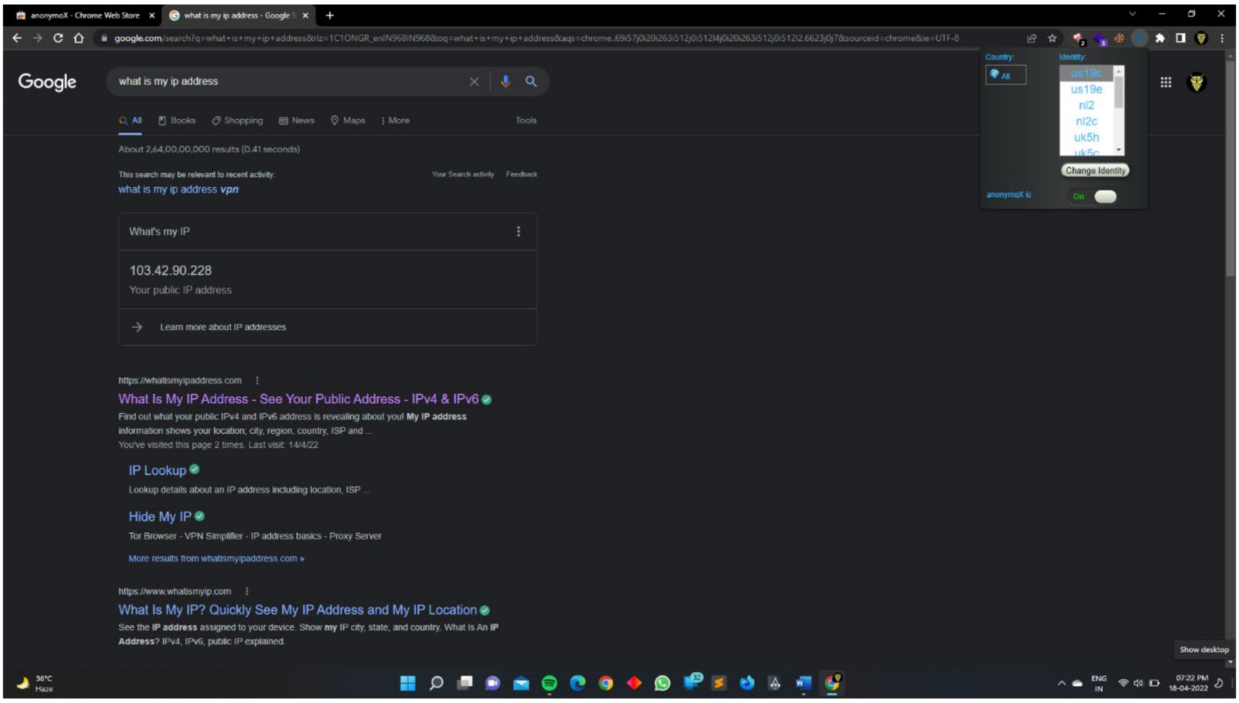
IP Lookup
Lookup details about an IP address including location, ISP ...

Hide My IP
Tor Browser - VPN Simplifier - IP address basics - Proxy Server

More results from whatismyipaddress.com »

https://www.whatismyip.com
What Is My IP? Quickly See My IP Address and My IP Location
See the IP address assigned to your device. Show my IP city, state, and country. What Is An IP Address? IPv4, IPv6, public IP explained.

Here I am using VPN



what is my ip address

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This search may be relevant to recent activity:
what is my ip address *vpn*

What's my IP

103.42.90.228
Your public IP address

Learn more about IP addresses

https://whatismyipaddress.com
What Is My IP Address - See Your Public Address - IPv4 & IPv6
Find out what your public IPv4 and IPv6 address is revealing about you! **My IP address** information shows your location; city, region, country, ISP and ...
You've visited this page 2 times. Last visit: 14/4/22

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More results from whatismyipaddress.com »

https://www.whatismyip.com
What Is My IP? Quickly See My IP Address and My IP Location
See the **IP address** assigned to your device. Show **my IP** city, state, and country. What Is An **IP Address**? IPv4, IPv6, public IP explained.

Country: All

Identity: us19c, us19e, nl2, nl2c, uk5h, uk5c

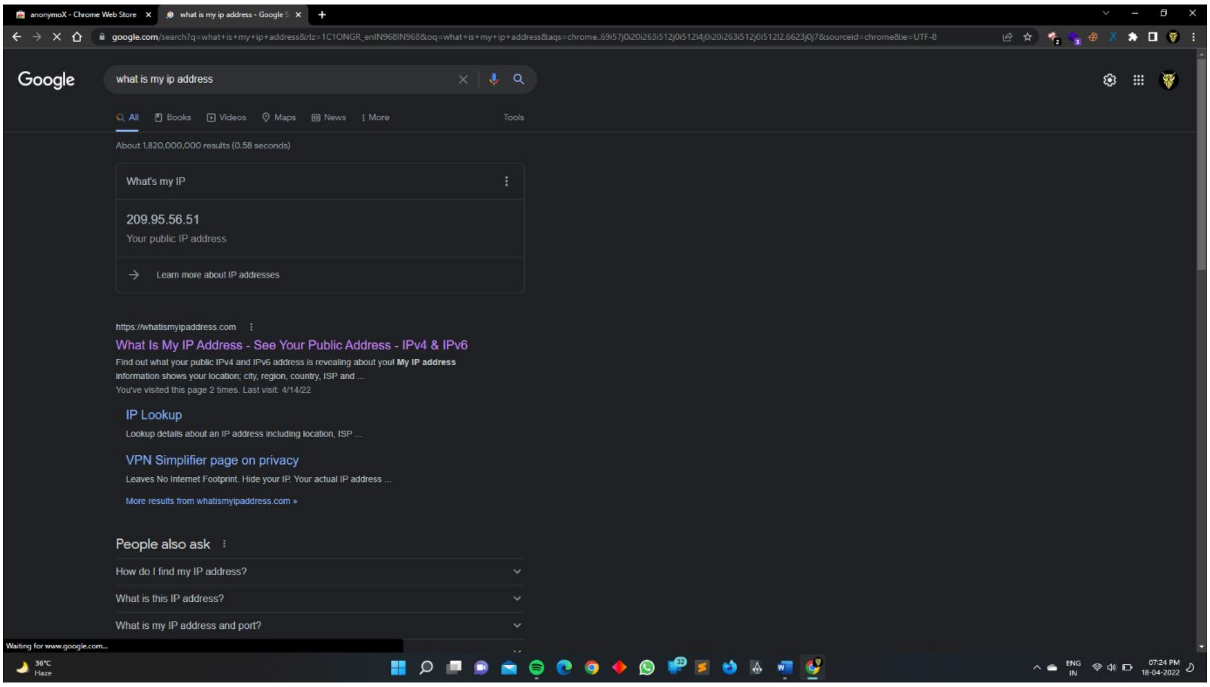
Change Identity

anonymoX is On

Select the country according to your choice :-

And refresh the web page ….

See the result …..



what is my ip address

About 1,820,000,000 results (0.58 seconds)

What's my IP

209.95.56.51
Your public IP address

Learn more about IP addresses

https://whatismyipaddress.com
What Is My IP Address - See Your Public Address - IPv4 & IPv6
Find out what your public IPv4 and IPv6 address is revealing about you! **My IP address** information shows your location; city, region, country, ISP and ...
You've visited this page 2 times. Last visit: 4/14/22

IP Lookup
Lookup details about an IP address including location, ISP ...

VPN Simplifier page on privacy
Leaves No Internet Footprint. Hide your IP. Your actual IP address ...

More results from whatismyipaddress.com »

People also ask

How do I find my IP address?

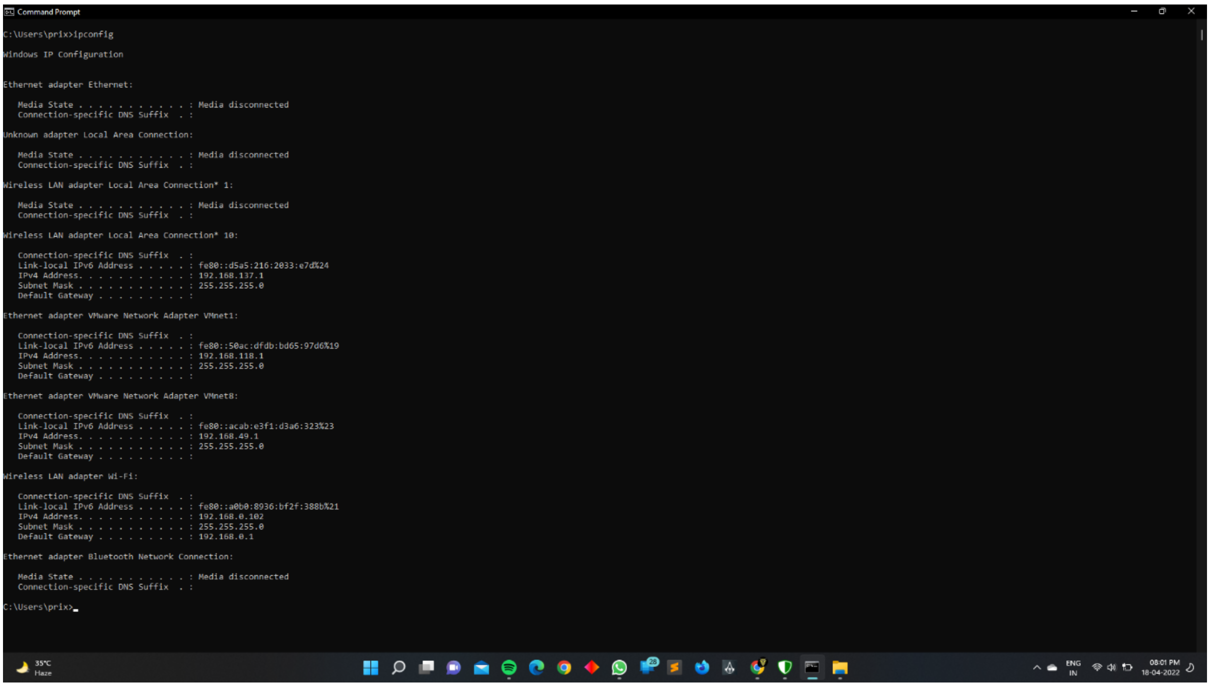
What is this IP address?

What is my IP address and port?

Waiting for www.google.com...

Our public Ip is change with the help of VPN Tool..

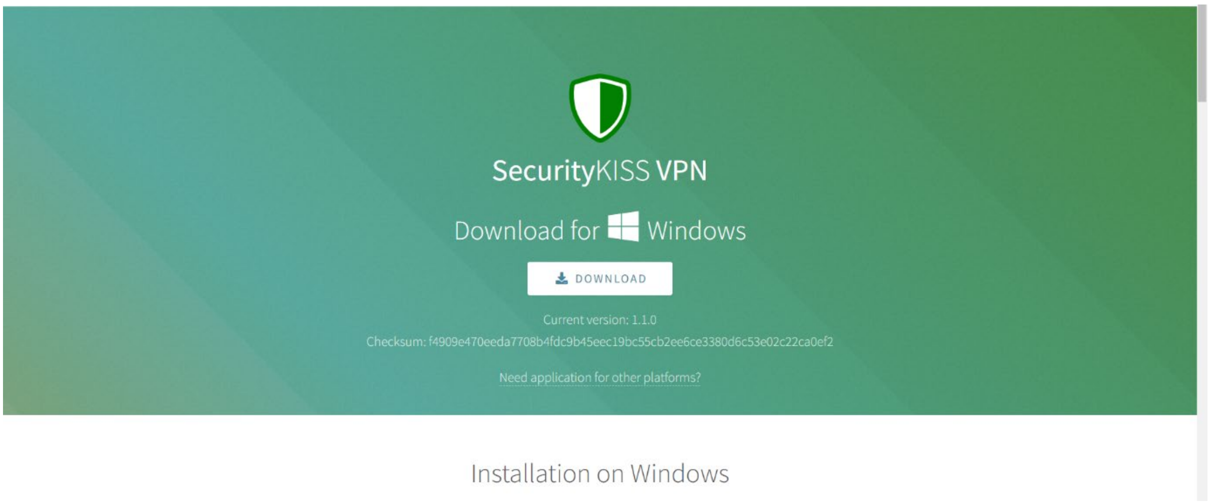
# How we change the system IP address…..



```
C:\Users\prix>ipconfig

Windows IP Configuration


Ethernet adapter Ethernet:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Unknown adapter Local Area Connection:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 1:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 10:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::d5a5:216:2033:e7d%24
   IPv4 Address. . . . . . . . . . . : 192.168.137.1
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . :

Ethernet adapter VMware Network Adapter VMnet1:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::50ac:dfdb:bd65:97d6%19
   IPv4 Address. . . . . . . . . . . : 192.168.118.1
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . :

Ethernet adapter VMware Network Adapter VMnet8:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::acab:e3f1:d3a6:323%23
   IPv4 Address. . . . . . . . . . . : 192.168.49.1
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::a0b0:8936:bf2f:388b%21
   IPv4 Address. . . . . . . . . . . : 192.168.0.102
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : 192.168.0.1

Ethernet adapter Bluetooth Network Connection:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

C:\Users\prix>_
```

Ipv4 :- 192.168.49.1 (router Ip)

Here I am using security kiss :-



Download for Windows

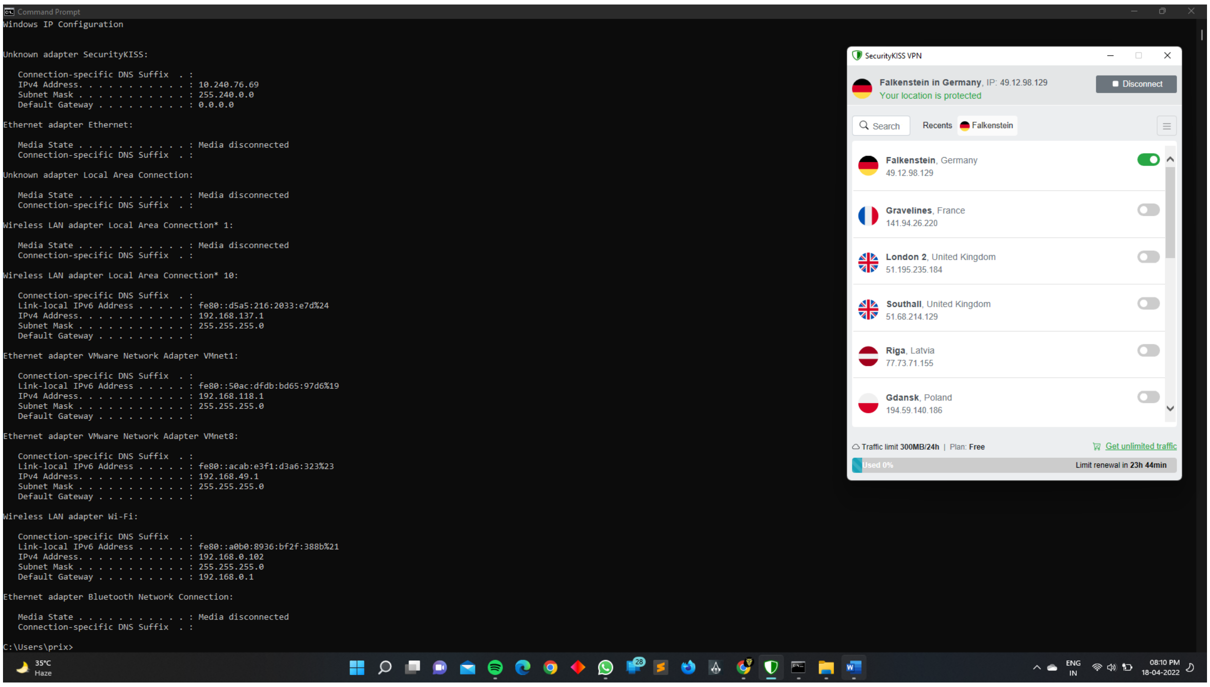
Current version: 1.1.0

Checksum: f4909e470eeda7708b4fdc9b45eec19bc55cb2ee6ce3380d6c53e02c22ca0ef2

Need application for other platforms?

Installation on Windows

System I will change



Command Prompt

```
Windows IP Configuration


Unknown adapter SecurityKISS:

   Connection-specific DNS Suffix  . :
   IPv4 Address. . . . . . . . . . . : 10.240.76.69
   Subnet Mask . . . . . . . . . . . : 255.240.0.0
   Default Gateway . . . . . . . . . : 0.0.0.0

Ethernet adapter Ethernet:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Unknown adapter Local Area Connection:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 1:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 10:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::d5a5:216:2033:e7d%24
   IPv4 Address. . . . . . . . . . . : 192.168.137.1
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . :

Ethernet adapter VMware Network Adapter VMnet1:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::50ac:dfdb:bd65:97d6%19
   IPv4 Address. . . . . . . . . . . : 192.168.118.1
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . :

Ethernet adapter VMware Network Adapter VMnet8:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::acab:e3f1:d3a6:323%23
   IPv4 Address. . . . . . . . . . . : 192.168.49.1
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::a0b0:8936:bf2f:388b%21
   IPv4 Address. . . . . . . . . . . : 192.168.0.102
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : 192.168.0.1

Ethernet adapter Bluetooth Network Connection:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

C:\Users\prix>
```

SecurityKISS VPN

Falkenstein in Germany, IP: 49.12.98.129
Your location is protected

■ Disconnect

Search | Recents | Falkenstein

Falkenstein, Germany
49.12.98.129 ●

Gravelines, France
141.94.26.220 ○

London 2, United Kingdom
51.195.235.184 ○

Southall, United Kingdom
51.68.214.129 ○

Riga, Latvia
77.73.71.155 ○

Gdansk, Poland
194.59.140.186 ○

Traffic limit **300MB/24h** | Plan: **Free**   Get unlimited traffic

Used 0%   Limit renewal in **23h 44min**

Thank You….