VPN for newbies

Are you VPN newbie?

If the answer is YES, then you are at the right place. It is not dangerous to read, the only consequence of reading is that you are going to learn something.

In this article you will learn:

- what is VPN,
- how to choose VPN,
- Get overview of the BEST VPN solutions in fourth quartal of 2022.

1. What is VPN?

What VPN stands for- VPN stands for a "Virtual Private Network". A private network is a connection between two computers that are isolated from all others. That's why it's private: nobody else can access the network and see what's happening. A VPN does the same but over the internet.

How does a VPN work- A VPN connection establishes a secure connection between you and the internet. Via the VPN, all your data traffic is routed through an encrypted virtual tunnel. This disguises your IP address when you use the internet, making its location invisible to everyone. A VPN connection is also secure against external attacks.

Can you be tracked if use a VPN- If you're using a trustworthy VPN service, your browsing activities become illegible to snoopers. However, this doesn't mean a VPN user is entirely untraceable online. Internet service providers (ISPs), websites, and even governments can determine whether you're using a VPN.

Does VPN hide browsing history- Just to recap what we discussed above, VPNs hide your browsing history from your router, ISP, and search engine by encrypting your internet traffic. The encryption takes place before the data leaves your device, and only the VPN server has the decryption key.

Summary - Virtual Private Network or VPN is a security technology meant for protecting and encrypting connections. A VPN creates a secured and private VPN tunnel between two devices, allowing users to securely and privately surf the web, granting private internet access anywhere, anytime.

2. how to choose VPN?

First, we need to know some characteristics of VPN

Encryption. One of the main functions of a VPN is to block attempts by unauthorized users to intercept, read, or alter the content of your internet traffic. It achieves this by converting your actual data into an unreadable and coded format through a process called encryption.

The data is protected using an encryption key set only by authorized users. To decrypt the data, you'll need a similar decryption key.

A VPN encrypts your data when it enters through its tunnel and then turns it back into the original format at the other end.

Split Tunneling. Split tunneling is a popular VPN feature that lets you choose which apps to secure with the VPN and which apps can work normally. It's a useful feature that helps you keep some of your internet traffic private and routes the rest through the local network. Split Tunneling can be a useful tool to save some bandwidth as it only sends a portion of your internet traffic through the tunnel. So, if you have sensitive data to transfer, you can protect it without experiencing the inevitable lag in other online activities caused by the VPN.

No-Logs Policy. The no-logs or zero-logs policy is a VPN's promise to never keep a record of the online activities of a user. No-logs policy is a major selling point for VPNs as it's one of the main reasons why people use VPNs in the first place.

Not many VPNs offer a complete zero-logs service and even those with strict no-logs claims tend to store some logs. If you aren't sure which VPN to choose for a truly no-logs service, look for those that use RAM-only servers. Such servers save temporary data which is erased as the hardware is turned off.

Leak Protection. The main purpose of using a VPN is to hide your actual IP address from prying eyes. But sometimes your original IP address may get revealed, exposing your location, browsing history, and internet activity online. Such an incident is referred to as an IP leak or VPN leak, and it beats the purpose of using a VPN.

Many top VPNs have built-in IP/DNS leak protection that is enabled by default. They also offer tools to check your actual IP and the address assigned to you by the VPN. With an active VPN connection, the two IP addresses should not match.

IP Shuffle. IP shuffling is a VPN privacy feature that randomizes your IP address. A VPN does so by reconnecting you to a different VPN server after a given interval. Most VPNs allow users to set up the shuffling frequency anywhere from every 10 minutes to once an hour or a day.

<u>Multiple Server Locations.</u> The most common function or purpose of a VPN service is to access content worldwide. VPN technology has made it possible for people to have multiple server locations without worrying about their data security. By using a VPN, you can connect to servers in different geographic areas and access the available resources on those servers. It can be a great way to bypass geo-fence restrictions and/or censored content.

<u>SPI Firewall.</u> The SPI firewall is a security feature that is included in most routers. It stands for Stateful Packet Inspection and is specially designed to block unauthorized network ports and protocols to access the protected network. VPN tunnels are created by encapsulating data packets in encrypted protocols such as IPSec or PPTP. This way, the SPI firewall cannot inspect these data packets, as they are hidden inside the encrypted tunnel. However, not every software of VPN service offers these features, so if you are looking for a VPN that helps you bypass SPI Firewalls, be sure to check VeePN.

There are several reasons why you might need to bypass the SPI firewall. For example, It can help businesses access certain websites or applications blocked by the SPI firewall. Besides, it can also be used for privacy and security purposes, as it keeps your traffic hidden from prying eyes. In both cases, a software VPN can help you get around the SPI firewall and access the content you need.

<u>Integrated Kill Switch.</u> VPNs are a great way to keep your online activity private, but what happens if the VPN connection drops? Without a kill switch, your computer is vulnerable to being exposed.

A kill switch can be added to your VPN client software or router firmware to disable your internet connection if the VPN fails automatically. It prevents your computer from accidentally exposing your internet activity or real IP address to your ISP (internet service provider) or third-party applications.

<u>No Log Policy.</u> VPNs are known for their no-log policies. It means that no information is stored about your activities while using the VPN. Hence, it is a great way to keep your online privacy protected.

Not all VPNs have no log policies; therefore, you must read the terms of service before signing up. Some VPNs may keep logs for a short period to troubleshoot problems or enforce their Terms of Service. However, these logs are typically destroyed after a short period.

Summary

VPNs are an important tool for online security, privacy, and anonymity. They provide several essential features for keeping your data safe and secure when you're browsing the internet. Whether you're working remotely, traveling abroad, or just trying to keep your browsing habits private, a software VPN is the best way to ensure that your information is protected. We hope this blog post has helped you understand the main purpose of a VPN and its essential features and function.

NordVPN®

The excellent streaming speed makes NordVPN a great choice for watching movies and TV shows online privately and securely.

Compatibility:

✔ Optimized for streaming and torrenting
✔ Over 5000 servers worldwide
✔ Military-grade encryption
✔ Strong no-logs policy
✔ VPN Kill Switch
✔ 30-day money-back guarantee

Surfshark

With a cost-conscious price tag, this rising star of the VPN market features premium capabilities, including Kill Switch and excellent streaming speeds.

Compatibility:

✔ Reasonably priced VPN service
✔ Good media streaming speed
✔ 100% no-logs policy
✔ VPN Kill Switch
✔ Excellent customer support
✔ 30-day money-back guarantee

Private Internet ACCESS®

The excellent performance and security make PrivateInternetAccess a top choice VPN service with strong encryption and zero-logs policy. A great choice for private browsing.

Compatibility:

✔ Great for private Internet browsing
✔ Military-grade encryption
✔ Committed to no-logs policy
✔ Ultra-fast VPN servers worldwide
✔ Kill Switch option you can trust
✔ Unlimited bandwidth for streaming & browsing