Open Source VPN Services

Introduction:

Open source VPN – Routed configures the virtual private network to allow remote access to the facilities. It protects site-to-site data and the SSL/TLS protocol, which is extensively used for key exchange. It supports and embeds a variety of systems, including DD-WRT, SoftEther VPN, and others. The most critical and required defense against any cyber spying is a secure open source VPN window.

Following are some services of open source VPN:

1. SoftEther VPN

SoftEther is an open source SSL VPN client that stands for "Software Ethernet." It is a multi-protocol software that is both strong and user-friendly. SoftEther is free to use for both personal and commercial purposes.

**Feature:**

* SoftEther VPN is the finest OpenVPN alternative. SoftEther VPN is similar to OpenVPN Server in terms of functionality.
* It's simple to switch from OpenVPN to SoftEther VPN.
* SoftEther VPN is significantly quicker than OpenVPN.
* It's compatible with Windows, Linux, Mac OS X, FreeBSD, and Solaris.

**Link:** You can download it through <https://www.softether.org/>.

1. Libreswan VPN:

Libreswan is the most popular and reliable open source VPN protocol for Windows. This is based on IPsec and IKE (Internet Key Exchange). This VPN has been in operation for 15 years, and professional reviews are overwhelmingly excellent. Tall bars with repository files are already built into Libreswan VPN programmes. As a result, VPN software is relatively simple to set up.

**Feature:**

* On Linux, it is possible to use the built-in IP sec loader to create its own IP sec stack.
* It makes use of the NSS cryptographic library.
* Compatible: Linux 2.4 to 4.x, FreeBSD OS, and iOS

**Libreswan VPN link:** [https://libreswan.org](https://libreswan.org/)

1. OpenVPN:

OpenVPN is a full-featured open source VPN server SSL VPN connection that supports a wide range of options, including remote access, Wi-Fi privacy, and more. Open VPN is a cost-effective and lightweight alternative to existing VPN technologies, and it is well-suited to enterprise markets. There are no restrictions because it has a public licence.

**Feature:**

* It uses the SSL/TLS protocol to provide a secure network allowance.
* It offers a customizable client validation technique based on certificates, smart cards, two-factor authentication, and other methods.
* It allows users to access the control guidelines through the VPN virtual interface's firewall.
* Compatible: Windows, Mac, Android, and iOS are all supported.

**OpenVPN link:** [https://openvpn.net](https://openvpn.net/)

1. OpenConnect

Open Connect (ocserv) is an open source SSL VPN server and client. It's intended to be a VPN server that's secure, light, and simple to configure. It is designed to work with the Open Connect VPN protocol. The code can be modified and audited by the user, and it supports ideal Linux configuration. The software can be executed with appropriate privileges and integrated into the Linux desktop.

**Feature:**

* A TCP/UDP VPN channel is provided by the Open Connect protocol.
* To ensure security, it employs standard IETF security methods.
* Compatible: Although the open source VPN server is primarily designed for GNU/Linux, its code has been extended to work with other UNIX variations as well.

**OpenConnect Link:** [www.infradead.org/openconnect](http://www.infradead.org/openconnect)

1. TERRA (Securepoint)

This is a low-cost, open-source SSL VPN software designed primarily for small workplaces or their branches with fewer than ten users. This is intended for use in the corporate mode. When they are under attack by the network, many users profit from the first-class security. The powerful gateway corrects the network assault as well as the user who unauthorized authorization.

**Feature:**

* The safe haven Terra allows the points to be securely connected.
* Visually placed are the main competently within themselves or to their central offices.
* All Windows(TM)-VPN editions are completely compatible with the open source VPN server.

**Link:**  <https://www.securepoint.de/en/products/nextgen-utm-firewalls/vpn-gateways.html>

1. Openswan:

For Linux-based systems, Openswan is an open source VPN server and IPsec application. This VPN is primarily used to root a Linux server. IPsec is used to route the linking section. Users can lawfully separate and distinguish their networks by utilising Openswan. It is not expensive, and it does not necessitate any technical skills

**Feature:**

* For more than a decade, Openswan has been the most popular VPN programme for Linux.
* To care about security and privacy, both encryption and decryption are effectively maintained.
* Compatible with nearly all IPsec extensions, including IKEv2, X.509 Certificates, and NAT Traversal, to mention a few.

**Link:** [https://www.openswan.org](https://www.openswan.org/)

1. iPIG VPN

iPIG VPN is a VPN service that allows you to connect to the internet anonymous. This open source VPN server takes less than a minute to set up. This machine has a very attractive appearance. All of your data and personal information is kept safe by the iPIG. It ensures that your personal information is not accessed through web traffic. From the perspective of the user, the iPIG VPN is more secure and simple to use. It is completely free for Windows and secures both inbound and outbound connections.

**Feature:**

* The iPIG creates an obstructive "tunnel" that filters using the extremely powerful AES 256-bit technology.
* It encrypts all of your inbound and outbound communications, including email, internet, VOIP, ftp, and phone conversations, via virtually any Wi-Fi or cabled network connection.
* Compatible: open source SSL VPN client and Windows 2000, XP, 2003.

**Link:** [https://ipig-secure-access-vpn-server.en.softonic.com](https://ipig-secure-access-vpn-server.en.softonic.com/)

1. Shrew Soft's VPN

It was created with the intention of providing secure communication between a portable Windows host and an open source VPN client using standard software such as IPsec-tools, OpenSWAN, Libreswan, and others. However, it now has a number of advanced features. There are two versions of the Shrew Soft open source VPN Client for Windows: Standard and Professional.

**Feature:**

* The Standard edition has powerful features that enable users to connect to a wide range of open source VPN server gateways.
* It is available for both personal and business use at no cost.
* The Professional edition has additional capabilities that are useful for corporate LAN users.
* Compatible : Windows 2000, XP, Vista, and Windows 7/8

**Link:** <https://www.shrew.net/>

1. Social VPN

To alleviate the paucity of public IP address space, NATs have been gradually implemented to allow numerous devices to share a single address. As a result, nodes will no longer be able to interact directly with those behind NATs, effectively preventing the installation of existing broad-area applications.

**Feature:**

* IPOP, or Social Open Source VPN, is an IP-over-P2P cybernetic network intersection that self-assembles.
* It is based on the capability of points or devices that are behind NATs.
* Unlike other VPN solutions, IPOP is simpler to set up.
* It is application-visible and may be installed on the majority of OS systems.

**Link:** [https://socialvpn.wordpress.com](https://socialvpn.wordpress.com/)

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