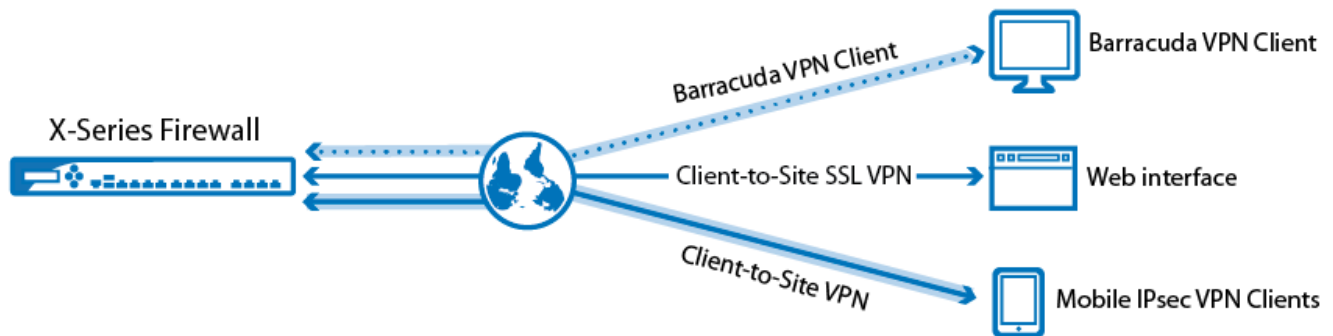


Client-to-Site VPN

<https://campus.barracuda.com/doc/30114049/>

Client-to-site VPNs connect remote users to the corporate network.



Client-to-Site IPsec VPN

There are three types of IPsec VPNs available:

- **Shared Key** - No external CA is required. A passphrase (shared key) is entered on the server and the client. This passphrase is used to authenticate the connection.
- **Client Certificate** - X.509 certificates are generated by an external CA. These certificates are used to authenticate the client. This method is more secure.
- **Shared Key or Client Certificate** - Client and server require either a shared key or valid client certificate to authenticate the remote device.

Additionally, every user must authenticate using a username and password. Usernames and passwords can be stored in external authentication services like Microsoft Active Directory, LDAP, or RADIUS. For more information, see [How to Configure an External Authentication Service](#).

Supported VPN Clients

The following VPN clients are supported:

- Barracuda VPN Client (Windows/macOS/Linux)
- Third-party IPsec VPN clients
- Apple iOS and Android devices

Setting Up an IPsec Client-to-Site VPN

For instructions on how to set up an IPsec VPN, see the following articles:

- [How to Configure a Client-to-Site VPN with Shared Key Authentication](#)
- [How to Configure a Client-to-Site VPN with Certificate Authentication](#)
- [How to Configure the Apple iOS VPN Client for IPsec Shared Key VPN](#)
- [How to Configure Apple iOS VPN Client for IPsec VPN with Certificate Authentication](#)
- [How to Configure the Android VPN Client for IPsec Shared Key VPN](#)

SSL VPN Portal

The SSL VPN lets any user with a browser connect to published corporate resources—such as Exchange OWA, RDP connections to internal servers/computers, or internal Wikis. You can also use the My Network feature to initiate a full routed network VPN from the SSL VPN portal.

Setting up a SSL VPN

For instructions on how to set up SSL VPN, see [SSL VPN](#).

PPTP

As of 2012, PPTP is no longer considered secure. It is highly recommended that you switch away from PPTP because of the security risks involved.

Point-to-Point-Tunnel-Protocol (PPTP) is offered with up to 128-bit of MPPE encryption. It provides the following:

- Long standing widespread support across many platforms.
- Use if no other VPN client is available for client platform.
- Use if VPN performance is more important than security.
- Support for external authentication over MS-CHAP-v2 or a local user database.

Limitations

PPTP VPNs have the following limitations:

- No data integrity verification.
- Weak encryption using only a 128-bit key.

Supported VPN Clients

Almost every modern operating system includes a PPTP client. The following clients are officially

supported by Barracuda Networks:

- Native VPN clients included in Windows, macOS, and Linux.
- Native VPN clients included in iOS and Android.

Setting Up a PPTP Client-to-Site VPN

For instructions on how to set up a PPTP VPN, see [How to Configure a Client-to-Site VPN with PPTP](#).

Figures

1. [c_to_s_overview.png](#)

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