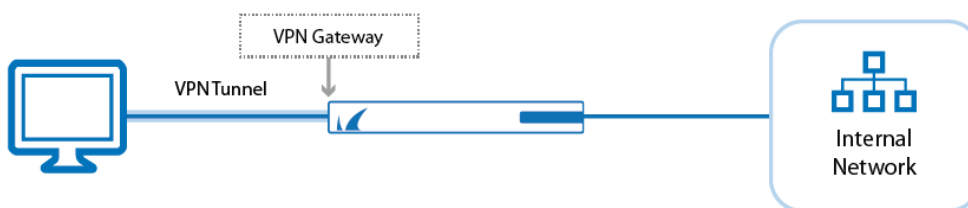# VPN

https://campus.barracuda.com/doc/73719103/

VPN offers a secure, efficient, and economical way to connect physically separate networks and to let users access corporate network resources from a remote location.

The Barracuda CloudGen Firewall provides three types of VPN services:

- **Client-to-site VPN** – Lets remote users access the corporate network with VPN clients and mobile devices.
- **Site-to-site VPN** – Securely and transparently connects remote locations with your network.
- **SSL VPN** – Lets remote users access corporate resources over a secure web interface without the need of configuring a VPN client.
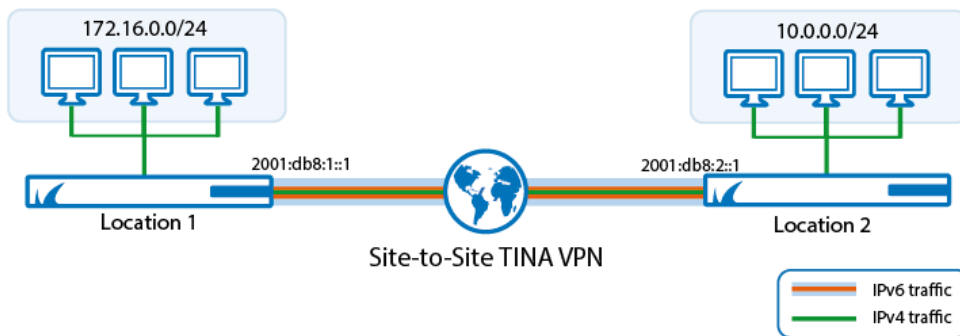
Client-to-Site VPN

Client-to-Site VPN offers users access to the corporate network from a remote location over a secure tunnel connection. Clients authenticate by user/password and/or X.509 certificates. Depending on the VPN client device, the CloudGen Firewall supports TINA or IPsec VPN protocols.

For more information, see Client-to-Site VPN.

Site-to-Site VPN

Site-to-Site VPNs establish secure connections between two locations over a public network such as the Internet. The proprietary TINA protocol offers intelligent traffic management capabilities using Traffic Intelligence, WAN optimization, and on-the-fly traffic shaping. For connectivity with third-party VPN gateways, it is also possible to create Site-to-Site VPN connections using IPsec.

For more information, see Site-to-Site VPN.

SSL VPN

SSL VPN grants users secure SSL/TLS-encrypted access to internal corporate resources and applications through a customizable web interface without the need of installing or configuring a VPN client. SSL VPN supports centralized authentication, authorization, and content inspection. Server and application URLs are translated into a URL namespace, making resources accessible via a single hostname.

For more information, see SSL VPN.

Remote Access Clients

The remote access client you need depends on the type of VPN and resource you are using. For SSL VPN, you need either CudaLaunch or a browser, depending on the resource. For client-to-site VPN, you need the Barracuda VPN or Network Access Client, a native VPN client integrated in the operating system, or CudaLaunch for Android devices. CudaLaunch on iOS manages the native IPsec VPN client.

Fore more information, see Remote Access Clients.

Figures

1. c2s_vpn.png
2. s2s_ipv6_tina.png