

Site-to-Site VPN

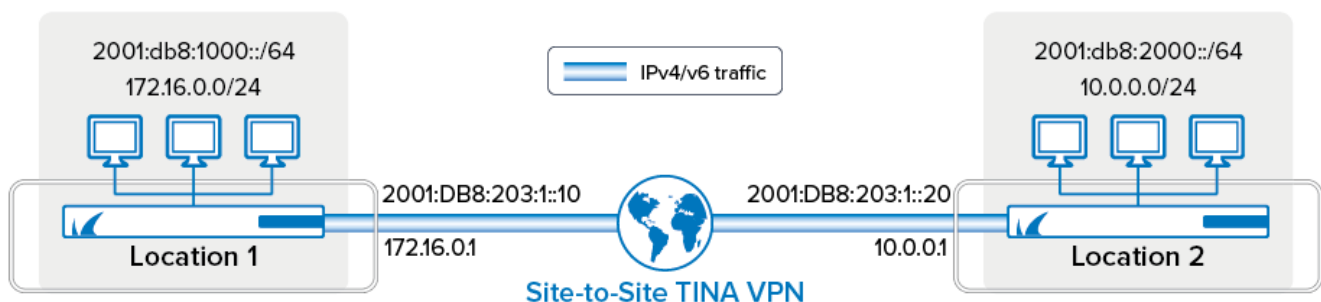
<https://campus.barracuda.com/doc/96026137/>

A Site-to-Site VPN allows multiple locations to establish secure connections over the Internet or other public networks. VPN tunnels transparently join IPv4 and IPv6 networks, making remote resources securely available to clients behind the VPN devices through the tunnel. The Barracuda CloudGen Firewall offers two VPN protocols: TINA and IPsec.

The following table gives an overview of the supported tunnel and address types:

Site-to-Site VPN Tunnel Support	IPv4	IPv6
IPsec/IKEv1	Yes	No
IPsec/IKEv2	Yes	Yes
TINA	Yes	Yes

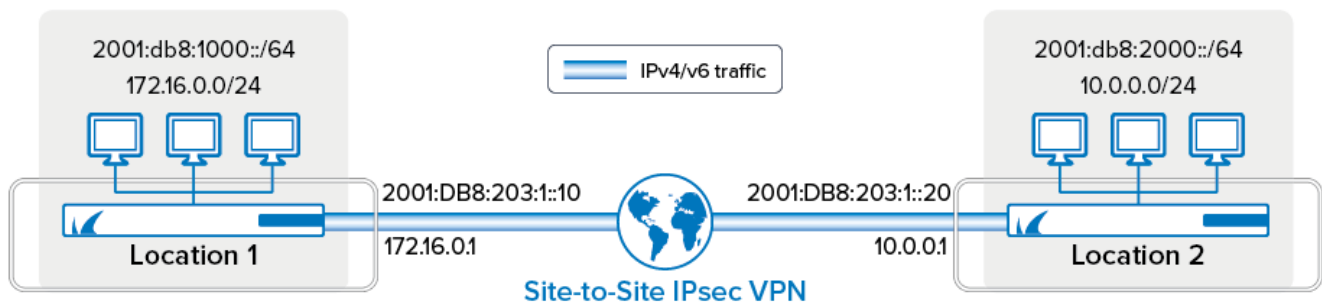
TINA VPN



TINA is a Barracuda Networks proprietary VPN protocol designed to extend the feature set and to remove the limitations of the IPsec protocol. TINA is designed to provide superior VPN connectivity and availability. Site-to-Site TINA tunnels can be established only between CloudGen Firewalls. Advanced VPN features, such as SD-WAN or WAN Optimization, are available only for TINA VPN tunnels. TINA tunnels support both IPv4 and IPv6 VPN traffic.

For more information, see [TINA VPN Tunnels](#).

IPsec VPN



IPsec has established itself as the standard for VPN tunnels and is widely supported by almost all VPN device manufacturers. The Barracuda CloudGen Firewall supports both IKEv1 and IKEv2 IPsec Site-to-Site VPN tunnels to third-party VPN devices. IPv6 is supported only for IKEv2 IPsec tunnels.

For more information, see [IPsec VPN Tunnels](#).

Creating VPN Tunnels Using the Control Center GTI Editor

The Barracuda Firewall Control Center includes the GTI Editor, a graphical interface to create and manage IPv4 and IPv6 TINA and IKEv1 IPsec VPN tunnels. When configuring VPN tunnels manually, there are many identical configuration steps and settings. The GTI Editor eliminates many of these redundant steps, helping you configure your VPN tunnels more quickly.

For more information, see [GTI Editor](#).

Other

- [How to Set Up Barracuda VPN CA VPN Certificates](#)
- [How to Set Up External CA VPN Certificates](#)
- [How to Create Access Rules for Site-to-Site VPN Access.](#)
- [How to Set Up a Default Route Through a Site-to-Site VPN Tunnel](#)
- [How to Configure VPN Access via a Dynamic WAN IP Address](#)

Figures

1. s_to_s_ipv6_tina-01.png
2. s_to_s_ipv6_ipsec-01.png

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