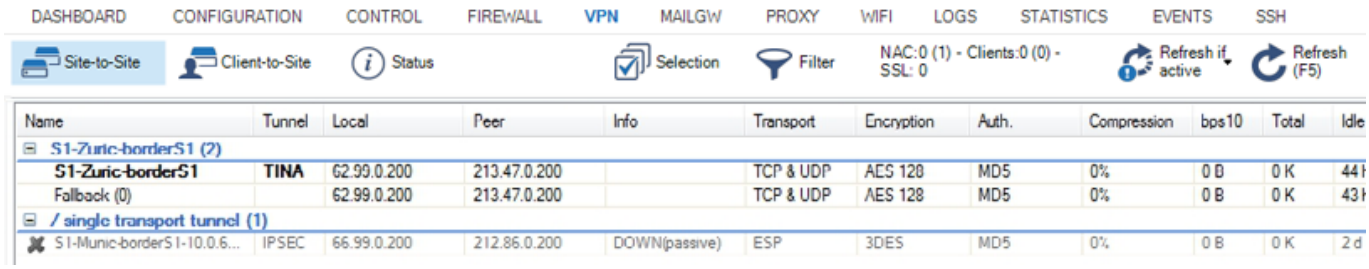
VPN Tab

The Barracuda NextGen Admin **VPN** tab provides information on all VPN connections that are configured on the Barracuda NextGen Firewall F-Series. Selecting the icons in the ribbon bar under the **VPN** tab takes you to the Site-to-Site and Client-to-Site VPN pages.

In this article:

Site-to-Site

The first page accessed when clicking the **VPN** tab is the **Site-to-Site** page.



The **Site-to-Site** page lists all firewall-to-firewall VPN tunnels that are configured on the Barracuda NextGen Firewall F-Series. These can either be VPN tunnels based on the Barracuda Networks proprietary TINA protocol or IPsec VPN tunnels (for more information, see Site-to-Site VPN).

Tunnel Information

The information details are displayed as follows:

- **Name** – Displays the name of the VPN tunnel.
- **Tunnel** – Displays the type of VPN tunnel. This can either be TINA or IPSEC.
- **Group** – Displays the group the VPN tunnel belongs to.
- **Local** – Displays the local VPN point of entry.
- **Peer** – Displays the remote VPN point of entry.
- **Info** – Depending on the tunnel type, this column displays either the tunnel type, the state, or the certificate subject. As soon as a tunnel is passive and down, DOWN (passive) will be displayed. For group tunnels with certificate, the x.509 subject is displayed.
- **Transport** – Displays the VPN tunnel transport protocol used.
- **Encryption** – Displays the tunnel encryption method used.
- **Auth.** – Displays the used packet authentication method.
- **Compression** – Current compression rate and type of a TINA VPN tunnel.
- **bps10** – Current transfer speed in bytes per 10 seconds.
- **Total** – Total amount of traffic in KB/key.
- **Idle** – Time (in seconds) passed since the last activity within the connection.
- **Start** – Duration of VPN connection in minutes (m) or days (d).
- **Key** – Age of issued key in minutes (m) or days (d).

Double-clicking an entry opens a new window with detailed information about the selected VPN tunnel.

Context Menu

Right-clicking a VPN tunnel opens a context menu where the following tunnel operations can be selected:

- **Show Details** – Opens a new window with detailed information about the selected VPN tunnel.
- **Show Transport Details** – Opens a new window with detailed information about the selected VPN transport.
- **Last VPN Access** – Opens a new window with a detailed VPN access and connection history.
- **Show on Status Page** – Opens the VPN **Status** window and highlights the according VPN tunnel.
- **Enable Tunnel** – Enables the selected VPN tunnel.
- **Temporary Enable Tunnel** – Enter the desired time period in minutes for which the VPN tunnel should be enabled.
- **Disable Tunnel** – Permanently disables the selected VPN tunnel. The VPN tunnel will be established again, by clicking **Enable Tunnel** within the context menu.
- **Terminate Tunnel** – This method kills Phase2 of the IPSEC tunnel. Phase2 is re-initialized immediately.
- **Initiate Tunnel** – Manually re-establishes the selected VPN tunnel.

- **Hard kill Tunnel** – This method kills Phase1 of the VPN tunnel. Because there is no exchange between the tunnel partners, Phase1 can only be re-established if the partner kills its own Phase 1.

  Do not use the **Hard kill Tunnel** function unless it is absolutely necessary. In case of doubt, please contact Barracuda Networks Technical Support to get assistance.

- **Show VPN Run-Time Info** – Opens a window with details for the used VPN service this VPN tunnel is using.
- **Show Sessions** – Displays information about the VPN sessions.
- **Show grouped** – Groups the list entries according to the amount of transports.
- **Save Traffic Selection Policy** – Remembers the **Selection** settings and makes the selected settings available when reconnecting to a unit.
- **Tools** – Opens the **Tools** context menu.

Client-to-Site

The **Client-to-Site** page lists all client-to-site VPN tunnels that are configured on the Barracuda NextGen Firewall F-Series. These can either be VPN tunnels established by the Barracuda Network Access Client, L2TP/IPsec or PPTP clients (for more information, see Client-to-Site VPN). To access the **Client-to-Site** page, select the **Client-to Site** icon under the **VPN** tab.

Tunnel Information

The information details are displayed as follows:

- **Name** – Displays the name of the VPN tunnel.
- **Tunnel** – The type of VPN tunnel. This can either be PGRP, PPTP, L2TP, or IPSEC.
- **Type** – The type of network that is used for the VPN client.
- **Group** – Displays the group the logged in VPN user belongs to.
- **Local** – Displays the local VPN point of entry.
- **Peer** – Displays the remote VPN point of entry.
- **Virtual IP** – Displays the assigned virtual IP address.
- **Info** – Either a person name (defined during configuration) and an IP address assigned by the license, separated by "@" (the "at" character), or the certificate subject.
- **Transport** – Displays the VPN tunnel transport protocol used.
- **Encryption** – Displays the tunnel encryption method used.
- **Auth.** – Displays the packet authentication method used.
- **Compression** – Current compression rate and type of a VPN tunnel.
- **NAC** – Displays information if the VPN tunnel is established by the Barracuda Network Access Client.
- **bps10** – Current transfer speed in bytes per 10 seconds.
- **Total** – Total amount of traffic in KB/key.
- **Idle** – Time (in seconds) passed since the last activity within the connection.

- **Start** – Duration of VPN connection in minutes (m) or days (d).
- **Key** – Age of issued key in minutes (m) or days (d).

Double-clicking an entry opens a new window with detailed information about the selected VPN tunnel.

Context Menu

Right-clicking a VPN tunnel opens a context menu where the following tunnel operations can be selected:

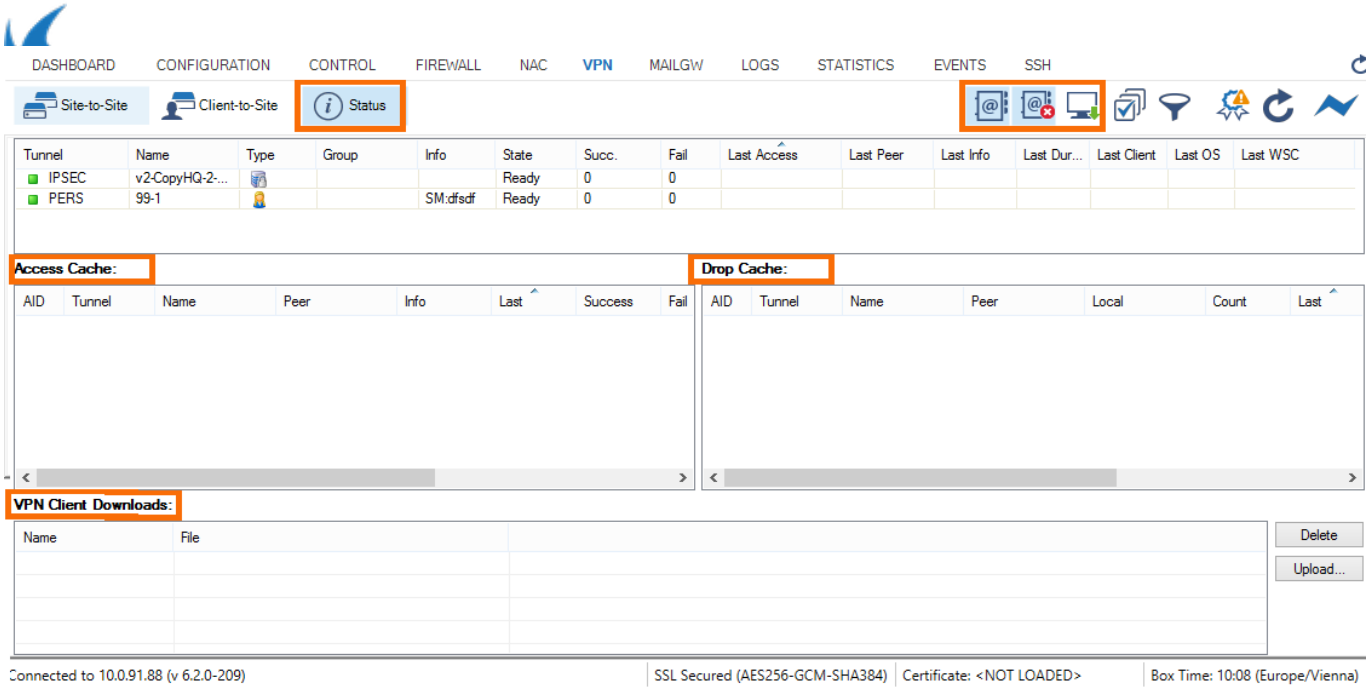
- **Show Details** – Opens a new window with detailed information about the selected VPN tunnel.
- **Show Transport Details** – Opens a new window with detailed information about the selected VPN transport.
- **Last VPN Access** – Displays information about the last VPN access.
- **Show on Status Page** – Opens the VPN **Status** window and highlights the according VPN tunnel.
- **Enable Tunnel** – Enables the selected VPN tunnel.
- **Temporary Enable Tunnel** – Enter the desired time period in minutes for which the VPN tunnel should be enabled.
- **Disable Tunnel** – Permanently disables the selected VPN tunnel. The VPN tunnel will be established again, by clicking **Enable Tunnel** within the context menu.
- **Terminate Tunnel** – This method kills Phase2 of the IPSEC tunnel. Phase2 can be re-initialized immediately.
- **Initiate Tunnel** – Manually re-establishes the selected VPN tunnel.
- **Hard kill Tunnel** – This method kills Phase1 of the VPN tunnel. Because there is no exchange between the tunnel partners ,Phase1 can only be re-established if the partner kills his own Phase 1.

  Do not use the **Hard kill Tunnel** function unless it is absolutely necessary. In case of doubt, please contact Barracuda Networks Technical Support to get assistance.

- **Show VPN Run-Time Info** – Opens a window with details for the used VPN service this VPN tunnel is using.
- **Show Sessions** – Displays information about the VPN sessions.
- **Show grouped** – Groups the list entries according to the amount of transports.
- **Save Traffic Selection Policy** – Remembers the **Selection** settings and makes the selected settings available when reconnecting to a unit.
- **Tools** – Opens the **Tools** context menu.

Status

The **Status** page provides information on all configured VPN connections on the given system. To access the page, select the **Status** icon under the **VPN** tab. The page consists of four sections which are accessible via the main screen or by clicking the corresponding icons in the ribbon bar:



Status Section

In the upper section of the **Status** page, the status of all configured VPN tunnels (site-to-site, client-to-site and SSL VPN) is listed. The information details are displayed as follows:

- **Tunnel** – Description of the VPN Tunnel.
- **Name** – Displays the name of the VPN Tunnel.
- **Type** – Displays the type of the VPN Tunnel.
- **Group** – Displays the group the VPN Tunnel belongs to.
- **Info** – (optional) Displays additional information.
- **State** – Status of the VPN connection (ACTIVE, Ready or Disabled).
- **Succ**. – Number of successful connections.
- **Fail** – Number of failed connections.
- **Last Access** – Time passed since the last access.
- **Last Peer** – Client IP address of the last connection.
- **Last Info** – Last information concerning the connection (e.g. Access Granted, Disconnect, etc.).
- **Last Duration** – Duration of the last connection.
- **Last Client** – Client (including version number) used for the last connection.
- **Last OS** – Operating system (including kernel number) used by the last connection's client.
- **Last WSC** – WSC information.

You can enable, disable, or temporarily enable configured connections by selecting the corresponding entry in the right-click context menu. If selecting "temporarily enable", enter the period (in minutes) for which the tunnel should be enabled. For each entry of the **Status** window, colored icons indicate the current status of a VPN tunnel:

- **green** – Tunnel is terminated, but ready.
- **blue** – Tunnel is active.
- **gray** – Tunnel is disabled.

Within the **Type** column, the type of VPN tunnel is indicated. The icons indicate information as follows:

- **1 user** – Personal VPN tunnel.
- **2 users** – Group VPN tunnel.
- **Server lock** – Firewall-to-firewall VPN tunnel.
- **User global** – SSL VPN tunnel.

Access Cache

The **Access Cache** section, if opened via the corresponding icon, displays the history of successful VPN connection attempts for Site-to-Site, Client-to-Site and SSL VPN connections. Double-click on a VPN tunnel to display detailled information on this connection.

Drop Cache

The **Drop Cache** section, if opened via the corresponding icon, shows details about unsuccessful VPN connection attempts to a Barracuda NextGen Firewall F-Series.

VPN Client Downloads

The **VPN Client Downloads** section allows you to copy Network Access Client update files to the firewall. To open the **VPN Client Downloads** section, click the **Client Downloads** icon in the ribbon bar. Please note that this feature is limited to the Barracuda Network Access Client and is not available with the Barracuda VPN Client only.

1. Click **Upload** on the right of the section to open the uploading window.
2. Use the **Browse** option within this window to select the desired installation file.
3. Click **Upload** to store the update file on the Barracuda NextGen Firewall F-Series.

If an uploaded file has become obsolete, select it and click **Delete** to remove the file from the VPN client downloads list.

Figures