How to Configure WAN Optimization for TINA VPN Tunnels

https://campus.barracuda.com/doc/53248354/

You must apply WAN Optimization for both TINA VPN tunnel endpoints separately. First, enable and configure WAN Optimization for the Barracuda NextGen Firewall F-Series. Then configure WAN Optimization in the TINA VPN tunnel settings.

Configure WAN Optimization

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > *your virtual server* > Assigned Services > VPN > WAN Optimization**.
2. Click **Lock**.
3. Select **yes** from the **Enable WAN Optimization** dropdown.
4. You can also specify the following settings:

Setting	Description
Log Level	The log verbosity of this service. You can select a value from 1 (lowest) to 9 (highest).
Max. Number of Connections	The maximum number of concurrent connections that can be handled.
Max. Number of Partners	The maximum number of concurrent VPN transports using WAN Optimization. Default: 128
Used Memory (MB) (Advanced View)	The amount of RAM reserved for the WAN Optimization dictionary.
Used Disk (MB) (Advanced View)	The amount of hard disk space allocated by the WAN Optimization dictionary.

The amount of allocated memory and hard disk space is adjusted automatically by the Barracuda OS, depending on the hardware that the Barracuda NextGen Firewall F-Series is running on. Change the **Used Memory (MB)** and **Used Disk (MB)** settings with care. Generally, the ratio between the **Used Memory** and **Used Disk** settings should be between 1:50 and 1:80.

5. Click **Send Changes** and **Activate**.
6. Repeat steps 1 to 6 for the remote VPN service.

Configure the TINA VPN Tunnel Settings

1. Create a new TINA VPN tunnel or edit the settings of an existing tunnel.
2. In the tunnel configuration window, click the **Advanced** tab.
3. Specify the following WAN Optimization settings:

Setting	Description

WAN Opt Policy	From this list, select **default**.
WANOpt Transport	Specifies if WAN Optimization is enabled or disabled for this VPN transport. ◦ Stream compression for the VPN transport is automatically disabled when WAN Optimization is enabled. ◦ Packet compression of WAN-optimized traffic for the VPN transport is automatically disabled when WAN Optimization is enabled. Non-WAN-optimized traffic passing the transport is still packet compressed.

4. Click **OK**.
5. Click **Send Changes** and **Activate**.
6. Repeat steps 1 to 6 for the remote VPN partner service.

Viewing the WAN Optimization Compression Rate

To view the compression rate achieved by WAN Optimization, enter the following at the command line:

```
ktinactrl wanopt stat
```

For more information, see ktinactrl.

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