

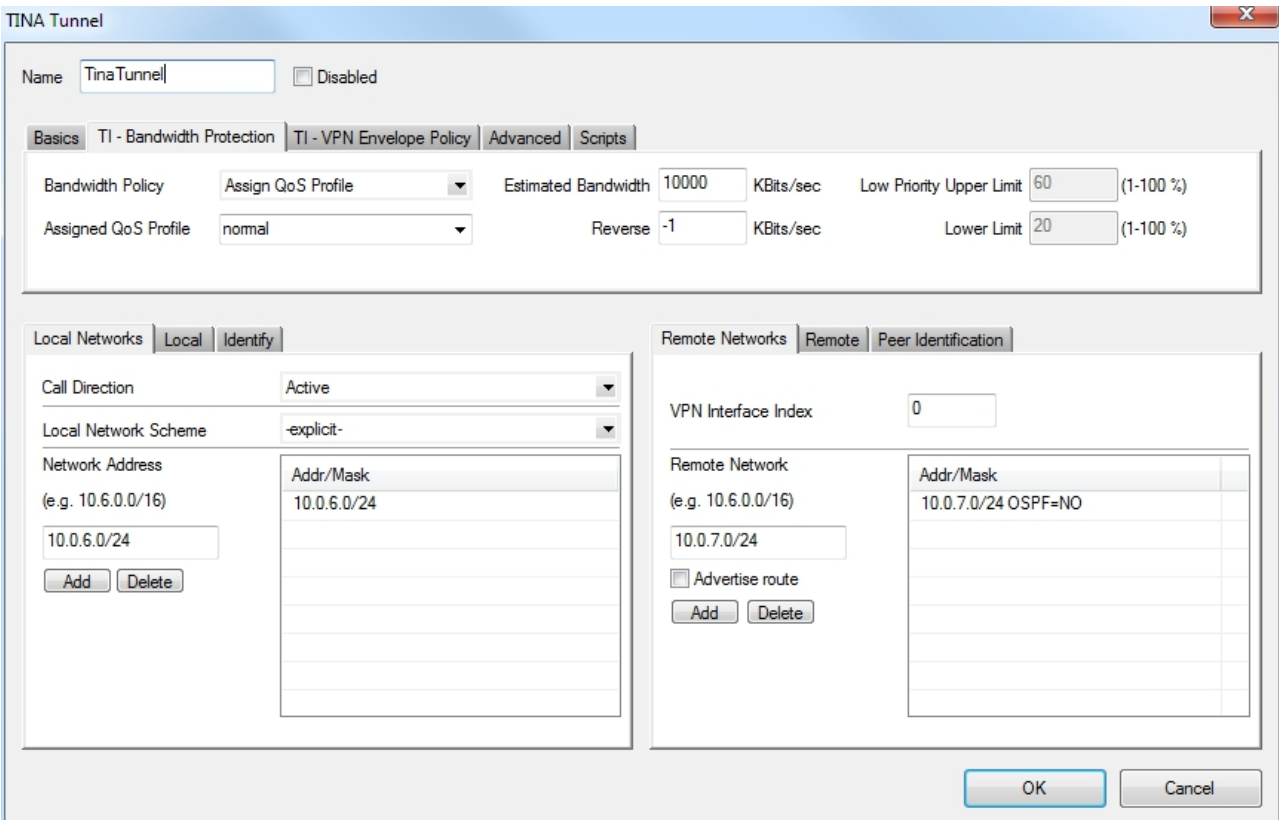
How to Apply Traffic Shaping to a VPN Tunnel

<https://campus.barracuda.com/doc/73719312/>

If you want to configure Quality of Service for a virtual interface as in this example, a VPN tunnel, adapt the traffic shaping configuration.

Assign a QoS Profile to a VPN Tunnel

1. [Create a TINA VPN Tunnel](#).
2. Configure the traffic shaping settings.
 - To configure basic traffic shaping settings with the **Basic profile** template, see [How to Configure Basic Traffic Shaping](#).
 - To configure advanced traffic shaping settings, see [How to Create a QoS Profile](#).
3. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > VPN-Service > Site to Site**.
4. Open the **TINA Tunnel** configuration window.
5. Click the **TI - Bandwidth Protection** tab.



The screenshot shows the 'TINA Tunnel' configuration window with the 'TI - Bandwidth Protection' tab selected. The window is titled 'TINA Tunnel' and has a 'Name' field containing 'TinaTunnel' and a 'Disabled' checkbox. Below the tabs, there are several configuration fields:

- Bandwidth Policy:** A dropdown menu set to 'Assign QoS Profile'.
- Estimated Bandwidth:** A text input field containing '10000' KBits/sec.
- Low Priority Upper Limit:** A text input field containing '60' (1-100 %).
- Assigned QoS Profile:** A dropdown menu set to 'normal'.
- Reverse:** A text input field containing '-1' KBits/sec.
- Lower Limit:** A text input field containing '20' (1-100 %).

Below these fields, there are two sections for network configuration:

- Local Networks:** Includes a 'Call Direction' dropdown set to 'Active', a 'Local Network Scheme' dropdown set to '-explicit-', and a table for 'Network Address'. The table has columns for 'Addr/Mask' and 'Network Address'. One entry is visible: '10.0.6.0/24'. There are 'Add' and 'Delete' buttons below the table.
- Remote Networks:** Includes a 'VPN Interface Index' text input field set to '0', a 'Remote Network' table, and an 'Advertise route' checkbox. The 'Remote Network' table has columns for 'Addr/Mask' and 'Remote Network'. One entry is visible: '10.0.7.0/24 OSPF=NO'. There are 'Add' and 'Delete' buttons below the table.

At the bottom right of the window, there are 'OK' and 'Cancel' buttons.

6. From the **Bandwidth Policy** list, select *Assign QoS Profile*.
7. From the **Assigned QoS Profile** list, select your QoS profile.
8. In the **Estimated Bandwidth** field, enter the maximum rate for outbound traffic in KB/s. If you enter 0, no shaping occurs.

9. In the **Reverse** field, enter the maximum rate of inbound traffic in KB/s. If you enter *-1*, the same maximum rate is used for outbound and inbound traffic.
10. Click **OK**.
11. Click **Send Changes** and **Activate**.
12. Create the firewall rules for the VPN tunnel traffic. For more information, see [How to Create Access Rules for Site-to-Site VPN Access](#).

Figures

1. qos_tina.png

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