

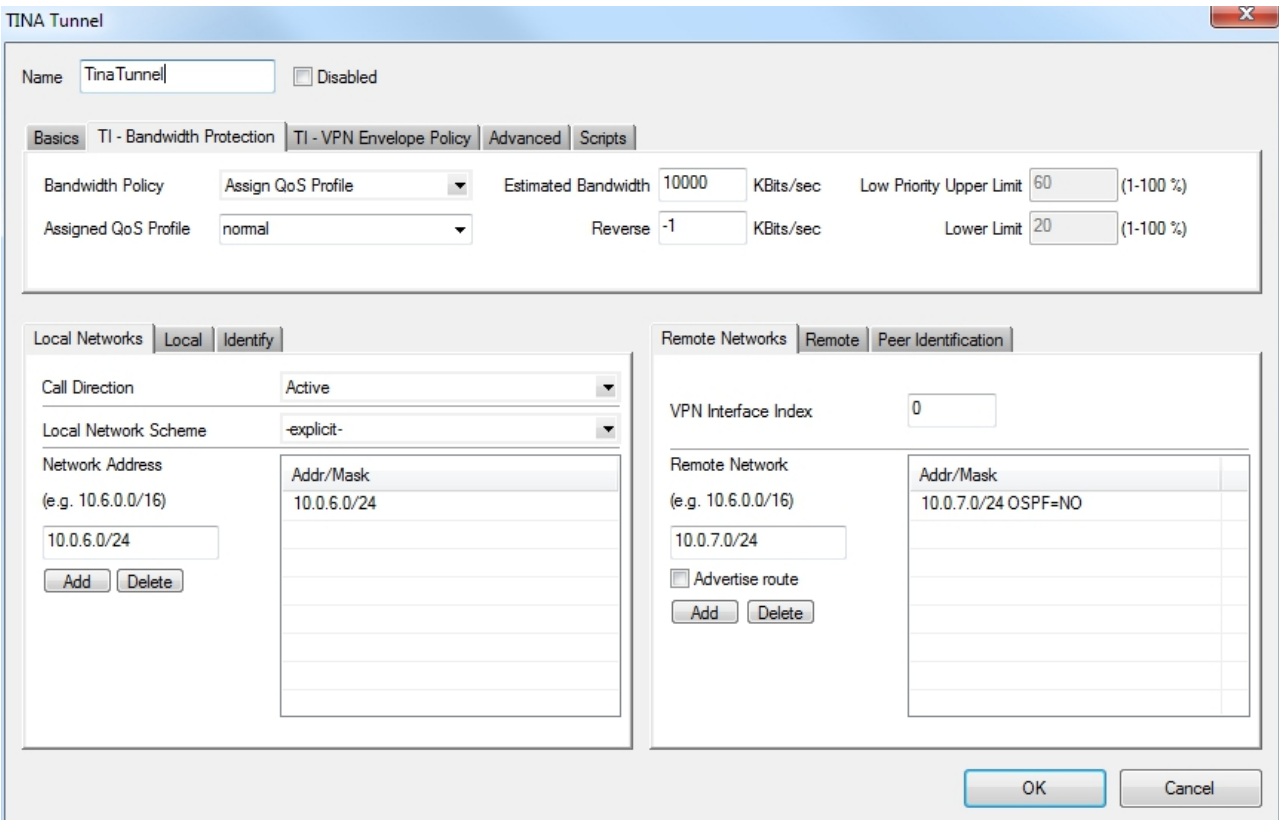
## How to Apply Traffic Shaping to a VPN Tunnel

<https://campus.barracuda.com/doc/53248703/>

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 title is 'TINA Tunnel' and it has a close button (X) in the top right corner. The 'Name' field contains 'TinaTunnel' and there is a 'Disabled' checkbox. Below the tabs, the 'Bandwidth Policy' is set to 'Assign QoS Profile', 'Estimated Bandwidth' is '10000' KBits/sec, 'Low Priority Upper Limit' is '60' (1-100 %), 'Assigned QoS Profile' is 'normal', and 'Reverse' is '-1' KBits/sec. The 'Lower Limit' is '20' (1-100 %). The 'Local Networks' section has 'Local' and 'Identify' tabs. Under 'Local', 'Call Direction' is 'Active', 'Local Network Scheme' is '-explicit-', and 'Network Address' is '10.0.6.0/24'. The 'Remote Networks' section has 'Remote' and 'Peer Identification' tabs. Under 'Remote', 'VPN Interface Index' is '0', 'Remote Network' is '10.0.7.0/24 OSPF=NO', and 'Advertise route' is unchecked. There are 'Add' and 'Delete' buttons for both network lists. At the bottom right, 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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