

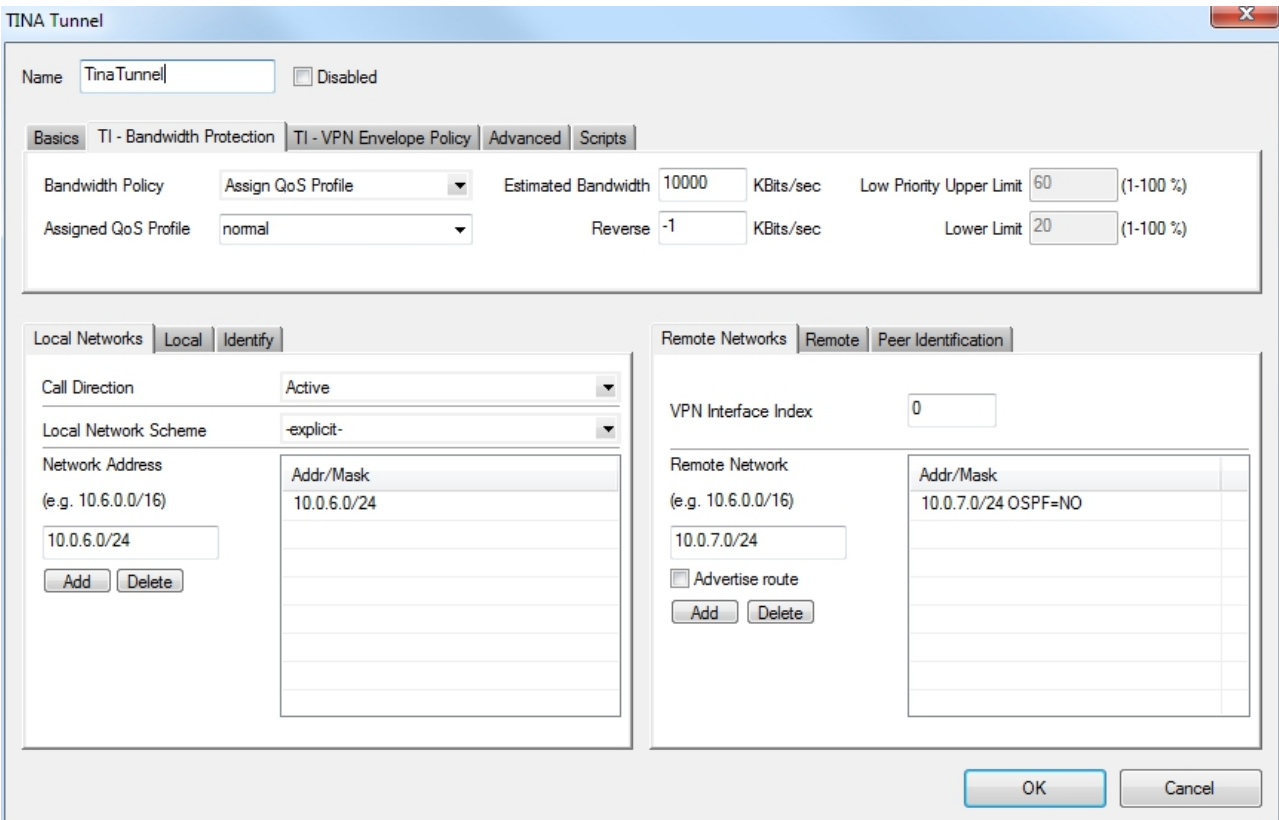
## How to Apply Traffic Shaping to a VPN Tunnel

<https://campus.barracuda.com/doc/48202717/>

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 are the following settings:

- Bandwidth Policy:** Assign QoS Profile (dropdown)
- Estimated Bandwidth:** 10000 KBits/sec
- Low Priority Upper Limit:** 60 (1-100 %)
- Assigned QoS Profile:** normal (dropdown)
- Reverse:** -1 KBits/sec
- Lower Limit:** 20 (1-100 %)

Below these settings are two sections for network configuration:

- Local Networks:** Includes 'Local' and 'Identify' tabs. The 'Local' tab is active. It shows 'Call Direction' set to 'Active', 'Local Network Scheme' set to '-explicit-', and a table for 'Network Address' with columns 'Addr/Mask' and 'Network Address'. One entry is '10.0.6.0/24'. There are 'Add' and 'Delete' buttons.
- Remote Networks:** Includes 'Remote' and 'Peer Identification' tabs. The 'Remote' tab is active. It shows 'VPN Interface Index' set to '0', 'Remote Network' set to '10.0.7.0/24', and a table for 'Remote Network' with columns 'Addr/Mask' and 'Remote Network'. One entry is '10.0.7.0/24 OSPF=NO'. There are 'Add' and 'Delete' buttons.

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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