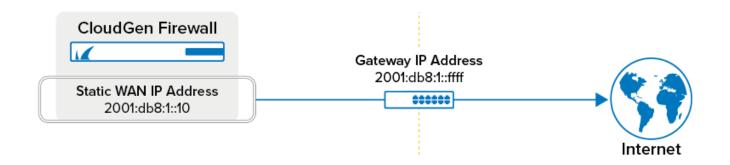


How to Configure Static IPv6 WAN Connections

https://campus.barracuda.com/doc/96026013/

If you are assigned static IPv6 addresses for your WAN connection, you must create a default gateway on box level and then assign the IP address(es) to the firewall.



Before You Begin

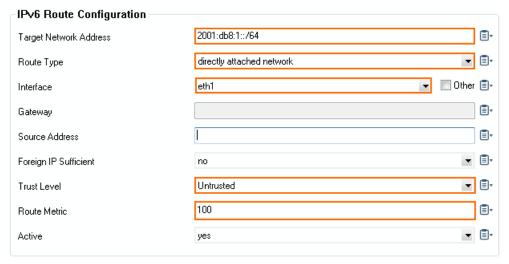
- Connect the network equipment installed by your provider to an unused port (not the management port) of your Barracuda CloudGen Firewall.
- Enable IPv6. For more information, see How to Enable IPv6.

Step 1. Add a Direct Route

Create a direct attached route entry to create the network on box level of the Barracuda CloudGen Firewall. Be sure to create the route on the port the ISP is plugged into.

- 1. Go to **CONFIGURATION > Configuration Tree > Box > Network**.
- 2. In the left menu, select **Routing**.
- 3. Click Lock.
- 4. In the IPv6 Routing Table, click + to add a new route.
- 5. Enter a **Name** for the route and click **OK**.
- 6. In the **Target Network Address** field, enter the IP address of the target network.
- Select directly attached network as the Route Type .
- 8. From the Interface Name list, select the port the ISP is connected to. E.g.,: eth1
- 9. If the default route will be introduced in an environment where multiple dynamic links are available, specify a **Route Metric**.
- 10. Select Untrusted as the Trust Level.





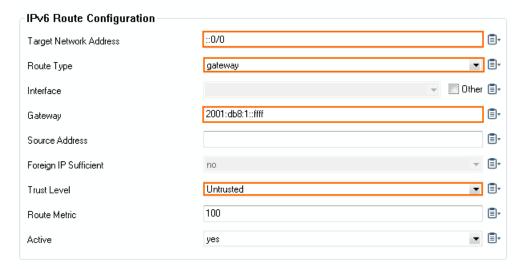
- 11. Click **OK**.
- 12. Click **Send Changes** and **Activate**.

Step 2. Add a Default Route

Create a direct attached route entry to create the network on box level of the Barracuda CloudGen Firewall. Be sure to create the route on the port the ISP is plugged into.

- 1. Go to CONFIGURATION > Configuration Tree > Box > Network.
- 2. In the left menu, select **Routing**.
- 3. Click Lock.
- 4. In the IPv6 Routing Table, click + to add a new route.
- 5. Enter a **Name** for the route and click **OK**.
- 6. In the **Target Network Address** field, enter::0/0
- 7. From the **Route Type** list, select **gateway**.
- 8. Enter the IPv6 address of the **Gateway**.
- 9. (optional) Enter the Route Metric.
- 10. From the **Trust Level** list, select **Untrusted**.





- 11. Click **OK**.
- 12. Click **Send Changes** and **Activate**.

Step 3. Network Activation

A network activation is required to activate the network configuration changes. Active sessions might time out during the activation.

- 1. Go to **CONTROL > Box**.
- 2. In the left menu, expand the **Network** section and click **Activate new network** configuration.
- 3. Click Activate now.

Your route is now displayed as a disabled route (grey X icon) in **CONTROL > Network**.

Step 4. Add the Static IP Address to the Firewall

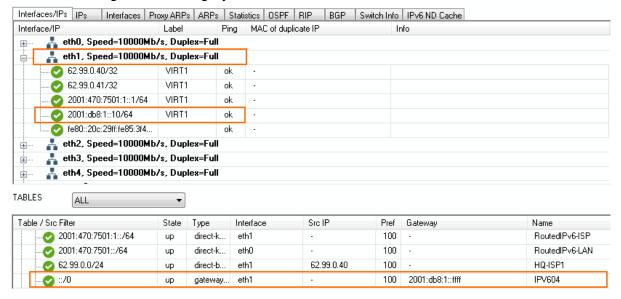
Assign the individual WAN IP addresses you want to use as a **Shared IP** on the Barracuda CloudGen Firewall. By introducing the external IP addresses as a shared IP address, you can use a <u>high</u> <u>availability (HA) cluster</u> to transfer the WAN address to the secondary firewall and still be reachable under the same IP address. In our example, you would enter 2001:db8:1::10 to **Shared Networks and IPs** and label it as the **First-IP**, **Second-IP** or **Additional IP** address.

For more information, see <u>Assigned Services</u>.



Verify the Network Configuration

Open the **CONTROL** > **Network** page to verify that all network routes have been introduced successfully. Verify that the WAN IP addresses are displayed with a green status icon and that the introduced routes are available in the **Main** and **Default** tables. In addition, ensure that the default route is directing traffic through your ISP connection.



Barracuda CloudGen Firewall



Figures

- 1. st_wan_v6.png
- 2. static IPv6 WAN 01.png
- 3. static_IPv6_WAN_02.png
- 4. static IPv6 WAN 03.png

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