How to Configure Directly Attached IPv6 Routes

https://campus.barracuda.com/doc/96026019/

Directly attached routes can also be introduced on the box level. These IP addresses are not synced to the HA partner and remain active when a failover occurs. Use **Shared IPv6 addresses** for remote access and directly attached routes with shared network IP addresses in all other cases.

Directly attached routes are routing entries for networks that can be reached from an interface of the firewall without having to use a next hop gateway.
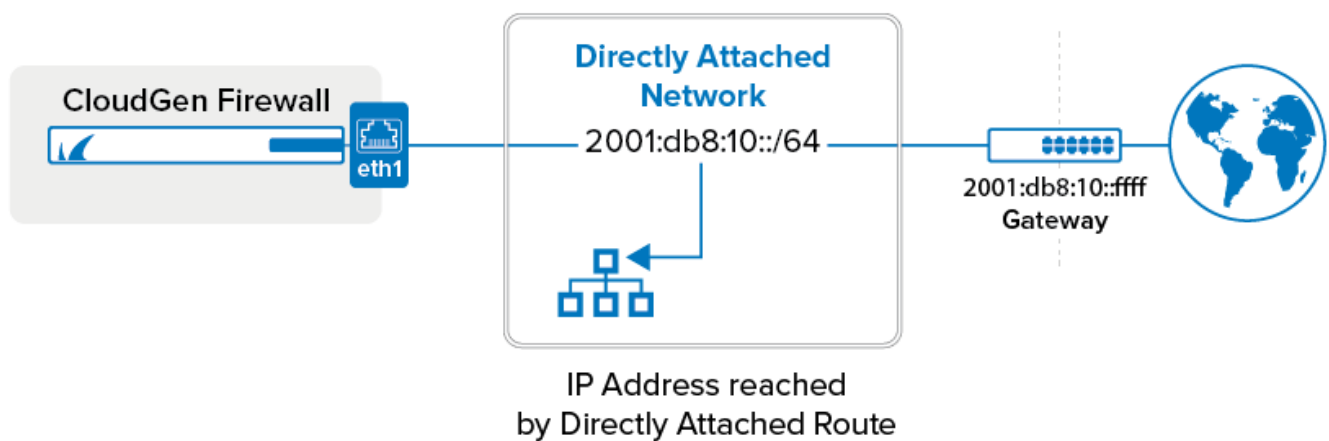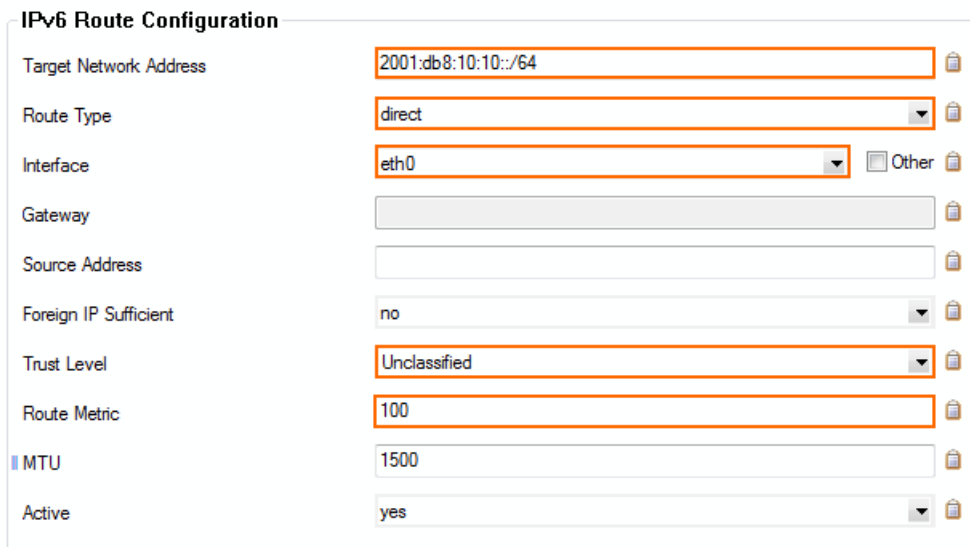

Before You Begin

Connect the network to a port of the Barracuda CloudGen Firewall.

Step 1. Configure a Direct IPv6 Route

1. Go to **CONFIGURATION > Configuration Tree > Box > Network**.
2. In the left menu, click **Advanced Routing**.
3. Click **Lock**.
4. Click **+** to add a directly attached route to the **IPv6 Routing Table**:
   - **Name** – Enter a name.
   - **Target Network Address** – Enter the IPv6 network. E.g., 2001:db8:10:10::/64
   - **Route Type** – Select **directly attached network**.
   - **Interface** – Select the interface used to connect to the network. E.g., **eth0**
   - **Trust Level** – Select the trust level. Your network will automatically be connected to the

corresponding network objects. Use **Untrusted** for WAN connections, **Trusted** for LAN connections. For more information, see Network Objects.

- **Route Metric** – Enter the preference for the route. When two identical routes are present, the route with the lower preference is used.

IPv6 Route Configuration

Target Network Address	2001:db8:10:10::/64
Route Type	direct
Interface	eth0 ☐ Other
Gateway	
Source Address	
Foreign IP Sufficient	no
Trust Level	Unclassified
Route Metric	100
MTU	1500
Active	yes

5. Click **OK**.
6. Click **Send Changes** and **Activate**.

Step 2. Activate the Network Configuration

After you have configured the network route, you must activate your new network configuration.

1. Go to **CONTROL > Box**.
2. In the left menu, expand **Network** and click **Activate new network configuration**.
3. Select **Soft**. The **Network Activation Succeeded** message is displayed after your new network configurations have been successfully activated.

The directly attached route is now displayed as **pending** on the **CONTROL > Network** page. To make the route active, you must use one of the IP addresses in the network as a shared network IP address.

Next Steps

Add at least one IP address from the network as a **Shared IPv6 Address**. If you are using a high availability setup, these IP addresses will be transferred to the secondary firewall in case of a failure.

Figures

1. directly_rtv6.png
2. direct_route_ipv6.png