How to Create a Private Edge Gateway in Barracuda CloudGen WAN
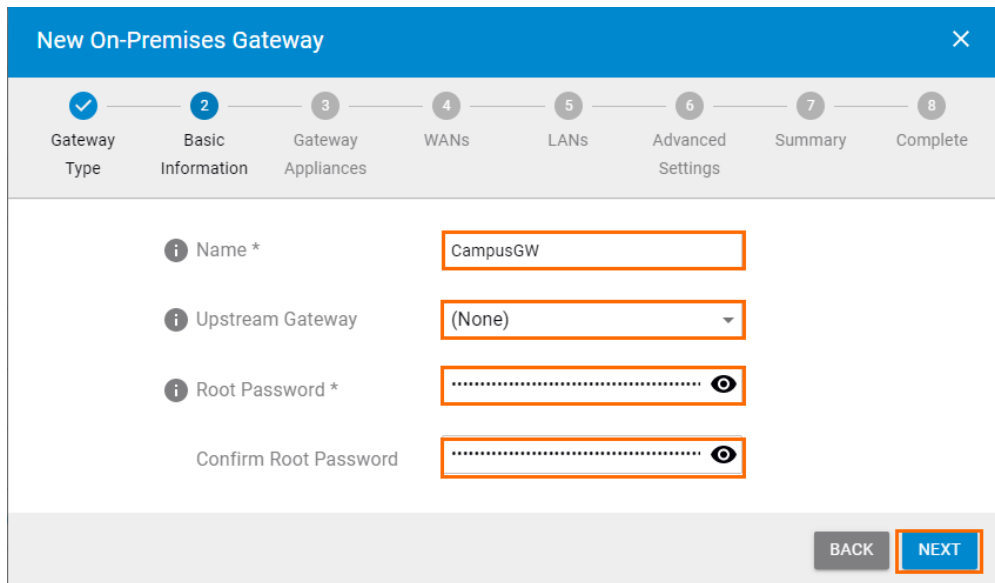
https://campus.barracuda.com/doc/97519636/

Barracuda CloudGen WAN provides private service edge for hybrid deployments. Private service edge is ideal for organizations that need to follow certain geopolitical requirements or need full control over the data plane. Private Service Edge devices provide the same scope of security and networking functionality as the cloud service and are administrated and maintained via a central management platform.

Before You Begin

- You need a single ISP with a static public IP version 4 address.
- High availability is highly recommended. For more information, see High Availability

Step 1 Create the Gateway Configuration

1. Go to https://cloudgenwan.barracudanetworks.com/ and log in with your existing Barracuda Cloud Control account.
2. Click **GATEWAYS**. The **GATEWAYS** page opens.
3. Expand **NEW GATEWAY** and select **On-Prem Gateway**. The **Gateway Type** blade opens.
4. Select **New Gateway from scratch**.
5. Click **NEXT**. The **Basic Information** blade opens.
6. Enter values for the following:
   - **Name** – Enter the name of the gateway.
   - **Upstream Gateway** – Select the gateway from the drop-down menu you want your gateway to connect to. Select **(None)** if you do not want this gateway to connect to another gateway.
   - **Root Password** – Enter the root password.
   - **Confirm Root Password** – Retype the root password to confirm.

7. Click **NEXT**.
8. The **Gateway Appliances** blade opens.
    1. Select your appliance from the list of appliances linked to your account. Barracuda Networks recommends to use high availability. For a high availability cluster, select two appliances. For more information on high availability, see High Availability. Note: After ordering, it can take up to 3 hours before your device is listed.

2. If your appliance is not listed, you can add it by using the serial number and the linking code found on the back of the Quick Start Guide delivered with your appliance. Note: After ordering, it can take up to 3 hours before your device is listed.

    1. Click **Add missing gateway appliance by serial/linking code.** Then, specify values for the following:
        - **Serial** – Enter the serial number of your appliance.
        - **Code/Token** – Enter the linking code (located on the back of the Quick Start Guide shipped with your hardware appliance), or the token of your VTx appliance.

2. Click **ADD** to add the device to your account.

9. Click **NEXT**.

10. The **WANs** blade opens. Select the number of desired WAN connections from the drop-down list.
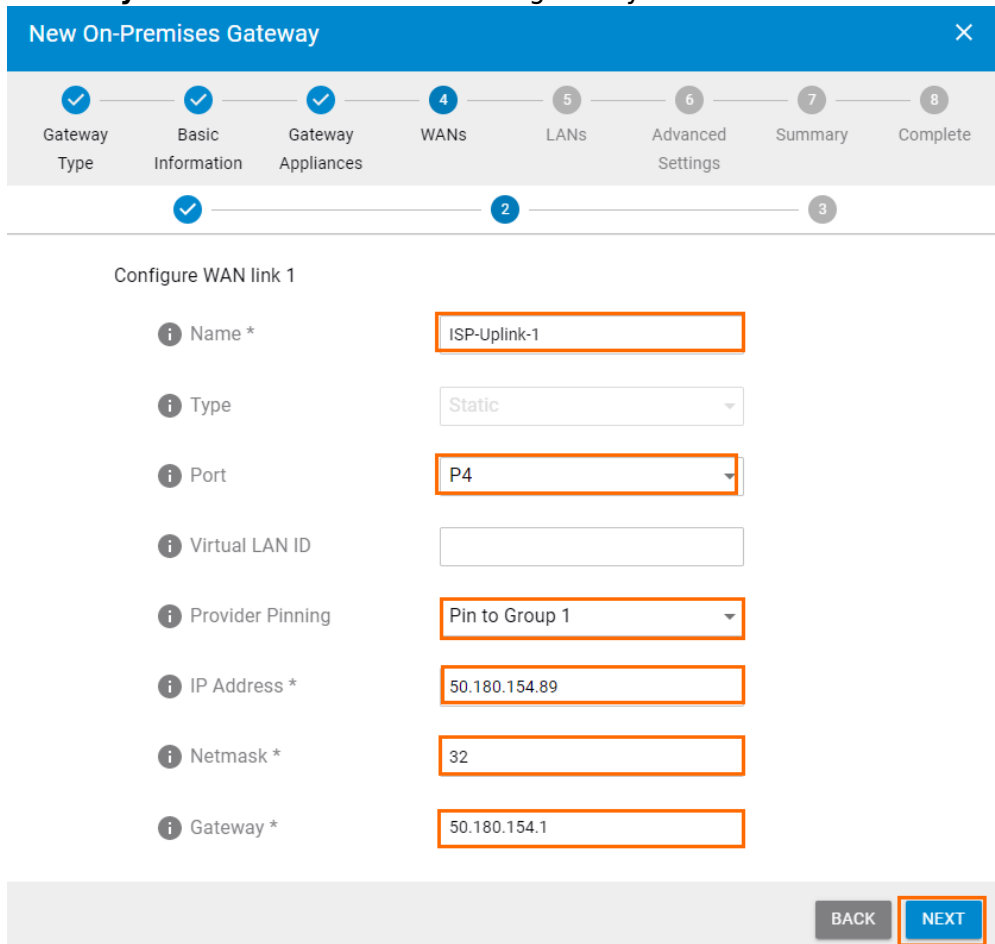

11. Click **NEXT**.

12. The **Configure WAN link** blade opens. Specify values for the following:

- **Name** – Enter a name for your uplink.
- **Port** – Select the port where your uplink is connected to. Note: Port 1 is reserved for high availability.
- **Virtual LAN ID** (Optional) – If required, enter the Virtual LAN ID this interface is connected to.
- **Provider Pinning** – Select a provider classification from the drop-down list.
- **IP Address** – Enter the IP address.
- **Netmask** – Enter a number between 0 and 32 for the subnet mask.
- **Gateway** – Enter the IP address of the gateway.

13. Click **NEXT**.
14. The **LANs** blade opens. Select the number of desired LAN connections from the drop-down list.

15. Click **NEXT**.
16. The **Configure LAN link** blade opens. Specify values for the following:
    - **Name** – Enter a name for your LAN.
    - **Port** – Select a port from the drop-down list where the LAN is attached to. Note: Port 1 is reserved for high availability.
    - **Virtual LAN ID** (Optional) – If required, enter the Virtual LAN ID this interface is connected to.
    - **IP Address** – Enter the IP address.
    - **Netmask** – Enter a number between 0 and 32 for the subnet mask.
    - **DHCP Server** – Click to enable. If enabled, you must enter the **First IP Address** and the **Last IP Address** . IP addresses within this range will be automatically assigned via DHCP.
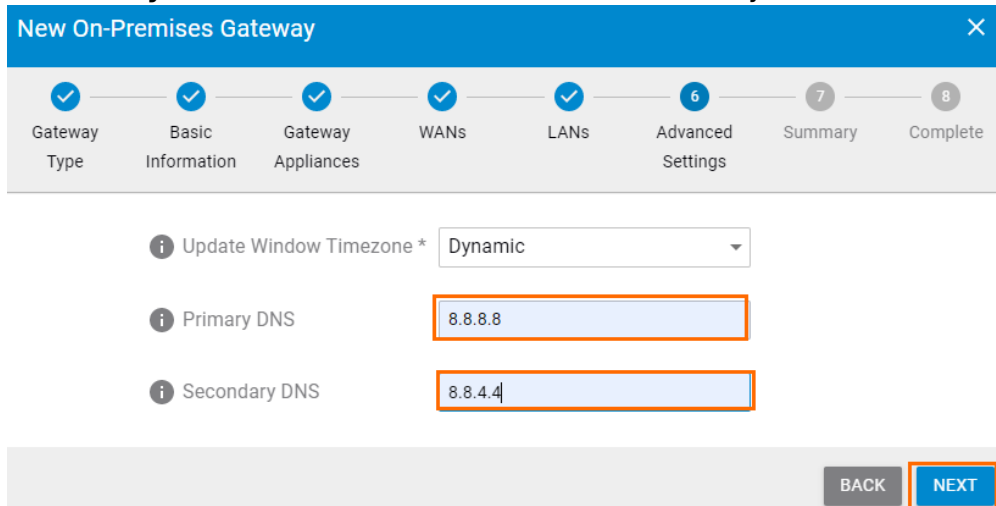
17. Click **NEXT**.
18. The **Advanced Settings blade** opens. Specify values for the following:
    ○ **Update Window Timezone** – Select **Dynamic** from the drop-down list, or select the time zone where the appliance is located.
    ○ **Primary DNS** – Enter the IP address of the primary DNS server.
    ○ **Secondary DNS** – Enter the IP address of the secondary DNS server.
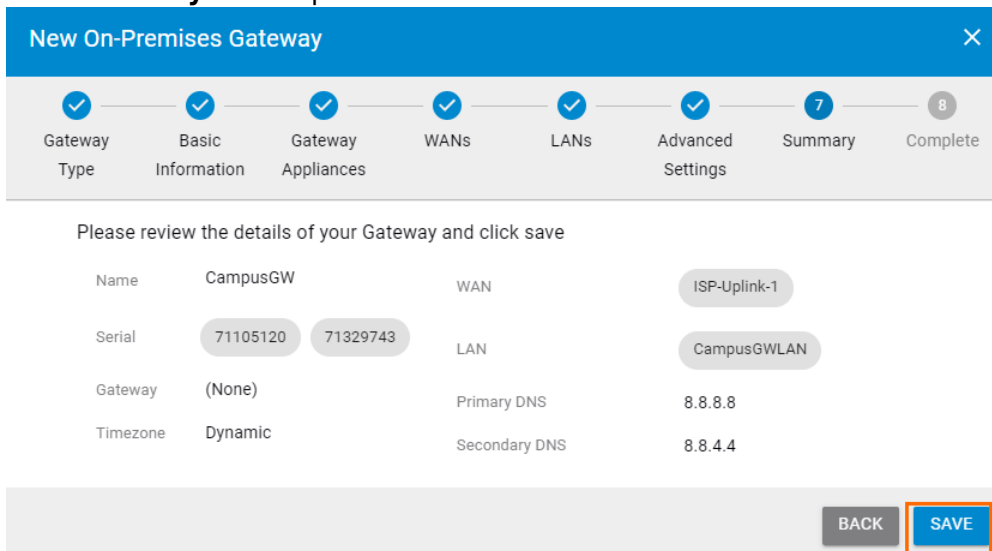

19. Click **Next**.
20. The **Summary** blade opens.

21. Review your specifications. If everything is correct, click **SAVE**.
22. Your gateway configuration has been created successfully. Click **FINISH**.

The appliance will automatically apply the configuration upon its first boot.

Step 2. Deploy the Gateway Appliance

For gateway appliances, you can use all hardware and virtual appliances except the Secure

Connector.

For more information, see Hardware Deployment, Hardware Models, and Virtual Systems (VTx) Deployment.

Figures

1. basic_gw831.png
2. appliances_gw.png
3. serial_token_gw.png
4. gw_wan.png
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