How to Create a Private Edge Service in Barracuda SecureEdge

https://campus.barracuda.com/doc/98223586/

Barracuda SecureEdge provides a Private Edge service for hybrid deployments. A Private Edge is an on-premises Edge Service ideal for organizations that need to follow certain geopolitical requirements or need full control over their data plane. Private 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 an ISP with a static public IP version 4 address.
- High availability is recommended. For more information, see High Availability.
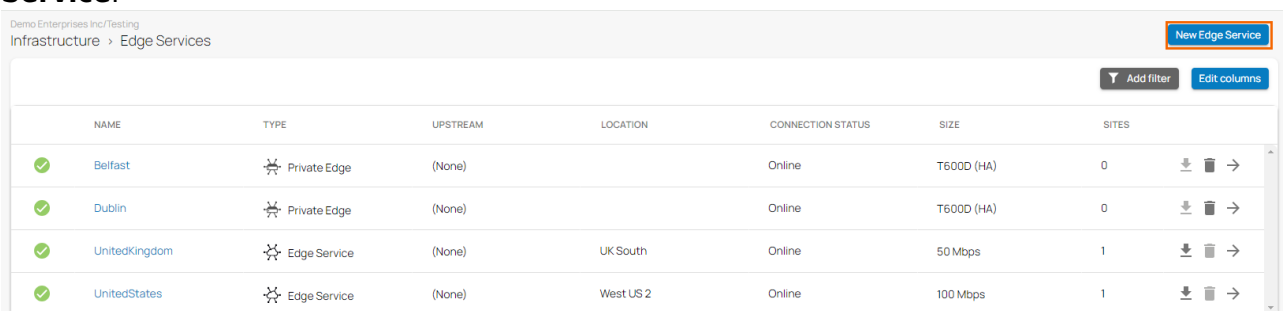
Step 1. Create the Private Edge Configuration

1. Go to https://se.barracudanetworks.com and log in with your existing Barracuda Cloud Control account.
2. In the left menu, click the **Tenants/Workspaces** icon and select the workspace your Private Edge should be assigned to.
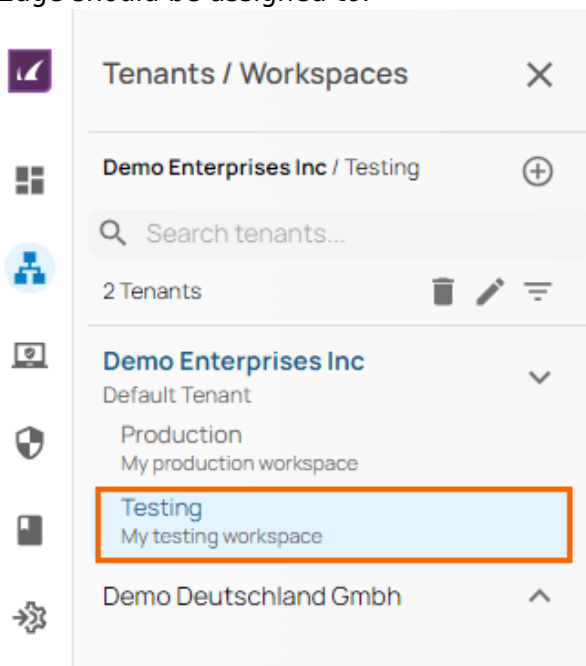
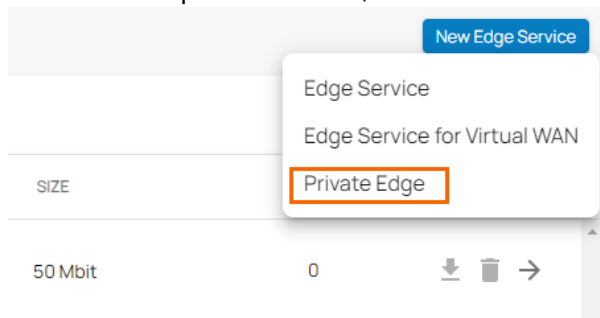3. In the left menu, click the **Infrastructure** icon, and select **Edge Services**.
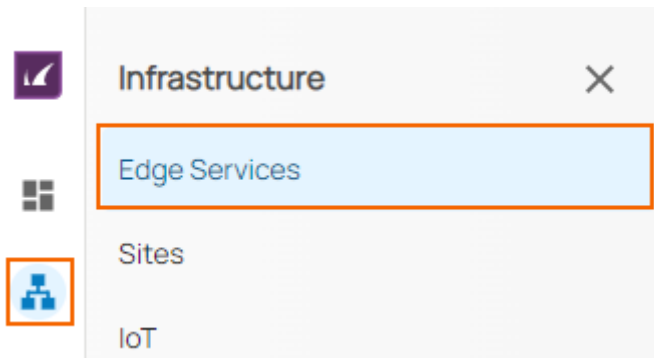
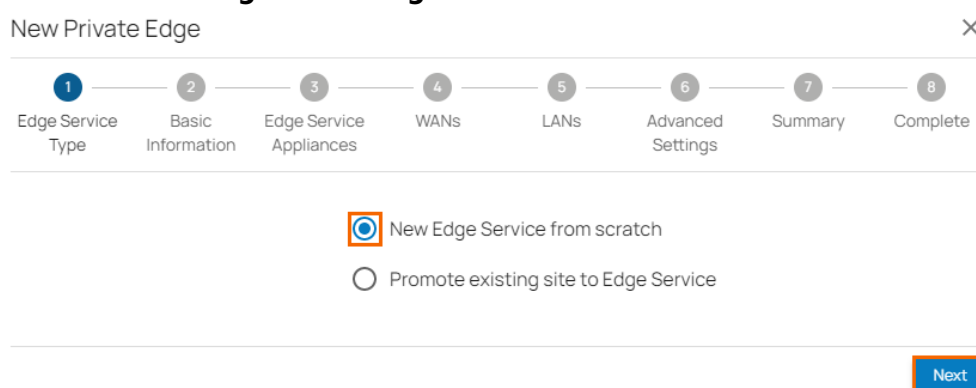4. The **Edge Services** page opens. In the top-right corner of the window, click **New Edge Service**.

5. From the drop-down menu, select **Private Edge**. The **New Private Edge** blade opens.

6. You are provided with two options. You can choose either **New Edge Service from scratch** or **Promote existing site to Edge Service.**

7. Select **New Edge Service from scratch**.
8. Click **Next**. The **Basic Information** blade opens.
9. Enter values for the following:
    ○ **Name** – Enter the name of your Private Edge.
    ○ **Upstream Edge Service** – Select the Edge Service you want your Private Edge to

connect to. Select **(None)** if you do not want this service to connect to another one.
- ○ **Root Password** – Enter the root password.
- ○ **Confirm Root Password** – Retype the root password to confirm.

10. Click **Next**. The **Edge Service Appliances** blade opens.
11. 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.

> 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.

12. Expand **Add missing Private Edge appliance by serial and linking code/license token**. 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.

    Add missing appliance by serial and linking code/license token

    These are found on your Barracuda Networks confirmation email

    Serial *   < serial >

    Code/Token *   < token >   Add

13. Click **Add** to add the device to your account.
14. Click **Next**. The **WANs** blade opens.
15. Select the number of desired WAN connections from the drop-down list.

    New On-Premises Gateway   ✕

    Gateway Type — Basic Information — Gateway Appliances — 4 WANs — LANs — 6 Advanced Settings — 7 Summary — 8 Complete

    Your device has a total 19 ports available for both WAN and LAN designation.

    How many WAN connections do you wish to configure for this gateway?

    Number of WANs *   1

                                                            Back   Next

16. Click **Next**. The **Configure WAN link** blade opens.
17. 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.

Configure WAN link 1

Name *   ISP-Uplink-1

Type   Static

Port   P4 (1Gb)

Virtual LAN ID

Provider Pinning   Pin to Group 1

IP Address *   50.180.154.89

Netmask *   32

Gateway *   50.180.154.1

18. Click **Next**. The **LANs** blade opens.
19. Select the number of desired LAN connections from the drop-down list.

New On-Premises Gateway

Gateway Type — Basic Information — Gateway Appliances — WANs — LANs — Advanced Settings — Summary — Complete

1 ———————— 2

Your device has a total 19 ports available for both WAN and LAN designation, and you have allocated 1 to WAN.

How many LAN connections do you wish to configure for this gateway?

Number of LANs *   1

Back   Next

20. Click **Next**. The **Configure LAN link** blade opens.
21. 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.

22. Click **Next**. The **Advanced Settings blade** opens.
23. 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.

24. Click **Next**. The **Summary** blade opens.

25. Review your specifications. If everything is correct, click **Save**.
26. Verify that your new Private Edge configuration has been created successfully and click **Finish**.

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

Step 2. Deploy the Private Edge Appliance

For private edge 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

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