

How to Configure a PPPoE WAN Interface via the Site Wizard

<https://campus.barracuda.com/doc/102888588/>

The Barracuda SecureEdge Manager allows you to configure a PPPoE WAN connection setup for a new site during initial deployment via the new site setup wizard. You can also edit or configure the PPPoE WAN interface later through the **Sites** tab.

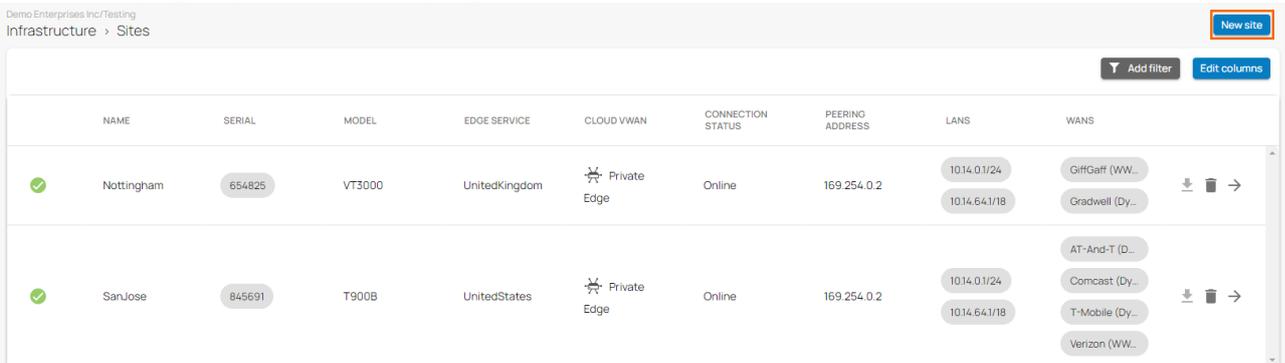
- Note that for sites and Private Edge Services, you cannot configure more than four PPPoE WAN interfaces.
- You can also directly provision PPPoE connections via a USB stick through the static bootstrap configuration file.

Before You Begin

- For Microsoft Azure:
 - Create a Virtual WAN in Microsoft Azure. For more information, see [How to Create a Microsoft Azure Virtual WAN](#).
- Create an Edge Service.

Step 1 Create the Site 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 appliance should be assigned to.
3. Go to **Infrastructure > Sites**.
4. The **Sites** page opens. In the top-right corner of the window, click **New site**.



NAME	SERIAL	MODEL	EDGE SERVICE	CLOUD vWAN	CONNECTION STATUS	PEERING ADDRESS	LANS	WANS
Nottingham	654825	VT3000	UnitedKingdom	Private Edge	Online	169.254.0.2	1014.01/24 1014.64/18	GiffGaff (WW...) Gradwell (Dy...)
SanJose	845691	T900B	UnitedStates	Private Edge	Online	169.254.0.2	1014.01/24 1014.64/18	AT-And-T (D...) Comcast (Dy...) T-Mobile (Dy...) Verizon (WW...)

5. The **New Site Basic Information** blade opens. Enter values for the following:
 - **Name** - Enter the name of the site.

- **Edge Service** – Select the Edge Service you want your site to connect to from the drop-down menu. Select **(None)** if you do not want this service to connect to another one.
- **Root Password** – Enter the root password. The password must not contain the "%" character.
- **Confirm Root Password** – Retype the root password to confirm.

New Site ×

1 Basic Information 2 Site Appliances 3 WANs 4 LANs 5 Advanced Settings 6 Summary 7 Complete

i Name *

i Edge Service

i Root Password * 

Confirm Root Password 

6. Click **Next**. The **Site Appliances** blade opens.
7. Select your appliance from the list of appliances linked to your account. For a high availability cluster, select two appliances. For more information on high availability, see [High Availability](#). Note: After ordering, it might take up to 3 hours before your device is listed.

New Site ✕

1 Basic Information
 2 Site Appliances
 3 WANs
 4 LANs
 5 Advanced Settings
 6 Summary
 7 Complete

Select the site appliances you wish to configure. You can select either a single appliance, or two appliances if you wish to set up a High Availability cluster.

Note: Both appliances in an HA cluster must be the same model and have the same firmware version

Q Search serials

	SERIAL	MODEL	LOCATION	ORDER ID	ORDER DATE
<input checked="" type="checkbox"/>	342421	T600D	Frankfurt am Main, Hesse, 60313, Germany	1664267	2023-06-11
<input type="checkbox"/>	712483	T600D	Frankfurt am Main, Hesse, 60313, Germany	1664267	2023-06-11

Selected Serials 342421 ✕

Add missing appliance by serial and linking code/license token

Back Next

8. Click **Add missing site appliance by serial/linking code** and 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 *

Code/Token * Add

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.

9. Click **Add** to add the device to your account.
10. Click **Next**. The **WANs** blade opens.
11. Select the number of desired WAN connections from the drop-down list. Note: The number in the **Number of WANs** cannot be greater than 4.

New Site ×

✓ Basic Information — ✓ Site Appliances — 3 WANS — 4 LANs — 5 Advanced Settings — 6 Summary — 7 Complete

1 — 2

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 site?

Number of WANS *

Back Next

12. Click **Next**. The **Configure WAN link** blade opens.

13. Specify values for the following:

- **Name** - Enter a unique name for your uplink.
- **Type** - Select **PPPoE** from the drop-down list.
- **Port** - Select the port where your uplink is connected to. Default for DHCP connections is p4, except model [T93 Revision A](#) where DHCP is located on p2. 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.
- **Username** - Enter the username.
- **Password** - Enter the password.

New Site ×

✓ Basic Information — ✓ Site Appliances — 3 WANS — 4 LANs — 5 Advanced Settings — 6 Summary — 7 Complete

1 — 2

Configure WAN link 1

i Name *

i Type

i Port

i Virtual LAN ID

i Username

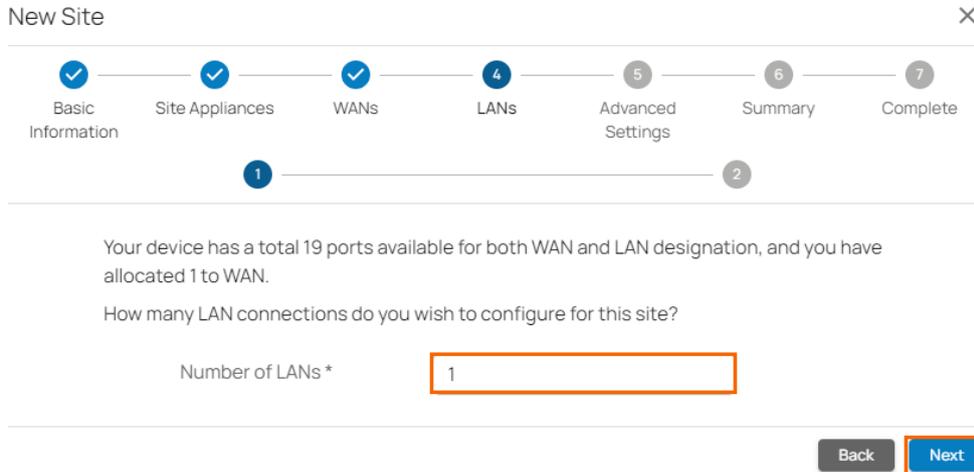
i Password

i Provider Pinning

Back Next

14. Click **Next**. The **LANs** blade opens.

15. Select the number of desired LAN connections from the drop-down list.



New Site ×

Basic Information Site 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 site?

Number of LANs *

Back Next

16. Click **Next**. The **Configure LAN link** blade opens.

17. 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.

New Site ×

Basic Information Site Appliances WANs LANs Advanced Settings Summary Complete

Configure LAN link 1

Name * LAN1

Port P2 (1Gb)

Virtual LAN ID

IP Address * 192.168.10.1

Netmask * 24

DHCP Server

18. Click **Next**. The **Advanced Settings blade** opens.

19. Specify values for the following:

- **Update Window Timezone** - Select **Dynamic** from the drop-down list, or select the time zone where the box is located.
- **Primary DNS** - Enter the IP address of the primary DNS server.
- **Secondary DNS** - Enter the IP address the secondary DNS server.

New Site ×

Basic Information Site Appliances WANs LANs Advanced Settings Summary Complete

Update Window Timezone * Dynamic

Primary DNS 8.8.8.8

Secondary DNS 8.8.4.4

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

New Site ×

Progress: 1. Basic Information, 2. Site Appliances, 3. WANS, 4. LANs, 5. Advanced Settings, 6. Summary, 7. Complete

Please review the details of your Site and click save

Name	Campus	WAN	ISP-Uplink-1
Serial	342421	LAN	LAN1
Edge Service	Austria	Primary DNS	8.8.8.8
Timezone	Dynamic	Secondary DNS	8.8.4.4

Back Save

21. Review your specifications. If everything is correct, click **Save**.

22. Verify that your site configuration has been created successfully and click **Finish**.

New Site ×

Site has been successfully created

Please ensure you plug port **P4** of the appliance below into a DHCP enabled internet connection to allow for the automatic configuration of your appliance. If you wish to use another port this can be configured directly on the appliance.

For more information see [Barracuda Campus](#)

Serial: 342421

Finish

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

Figures

1. NewSite.png
2. SiteSetting.png
3. Site-app.png
4. serial_token_gw90.png
5. WANs.png
6. PPPoE-settings.png
7. LANs.png
8. LANs-conf.png
9. Site-AdvSettings.png
10. SiteSummary.png
11. site-success-configured.png

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