

How to Enable Health Check for WAN Interfaces

<https://campus.barracuda.com/doc/100370387/>

The Barracuda SecureEdge Manager allows you to configure Health Check for WAN interfaces. For selected sites or private edge services you can add or edit WAN interfaces by using the Basic and Advanced tabs. In the Advanced tab, you can enable Health Check parameters if the WAN interface is of the type static, dynamic, or PPPoE. Health Check is disabled by default.

ICMP is compatible for all WAN types, as is shown in this table:

Health Check Type	Static WAN	Dynamic WAN	PPPoE
ICMP	Yes	Yes	Yes
LCP	No	No	Yes
Strict LCP	No	No	Yes

For all WANs with the Health Check feature:

- If multiple IPs are provided, the health check will pass as long as one IP is responding. In addition, if the WAN is in a failed Health Check state, it will switch back to being healthy as long as one IP responds.
- If you configure a single ISP and the health check fails, the metric of the WAN is increased to a very large number. That means that with a high metric, the traffic prefers to go over alternatives routes; however, your WAN connection still exists and connectivity is still available.

Enable Health Check

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 containing your site.
3. Go to **Infrastructure > Sites**. The **Sites** page opens.
4. Select the site you want to enable Health Check for your WAN interface. You can either search for the name or serial, or use filters to tailor the list of displayed sites. You can also simply scroll through the list. Click on the arrow icon next to site you want to configure.

Demo Enterprises Inc/Production
Infrastructure > Sites

New site

Add filter Edit columns

	NAME	SERIAL	MODEL	EDGE SERVICE	CLOUD WAN	CONNECTION STATUS	PEERING ADDRESS	LANs	WANs
✓	Alpharetta	752124	VT3000	UnitedStates	Production	Online	169.254.0.5	1014.03/24 1014.64/18	AT-And-T (Dyna... Century-Link (Dy... Comcast (Dynam... T-Mobile (WWAN)
✓	AnnArbor	543124	T9008	UnitedStates	Production	Online	169.254.0.2	1014.03/24 1014.64/18	AT-And-T (Dyna... Century-Link (Dy... Comcast (Dynam... T-Mobile (WWAN)

5. In the site menu, go to **Settings > WAN** and click **Add WAN Interface**.

Demo Enterprises Inc/Production
Infrastructure > Sites > Alpharetta

Dashboard

Settings

Recent connections

Live connections

Audit log

BASIC INFORMATION

WAN

LAN

DHCP

ADVANCED SETTINGS

Add WAN Interface

NAME	TYPE	PORT	PROVIDER PINNING	USER CONNECTIVL
Comcast	Dynamic	P2	Pin to Group 1	ⓘ
Century-Link	Dynamic	P3	Pin to Group 1	ⓘ

6. The **Add NEW WAN Interface** window opens.

- In the **BASIC** section, specify values for the following:
 - Name** - Enter a name for your uplink
 - Type** - Select **Dynamic** from the drop-down list.
 - 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.

Add New WAN Interface

BASIC ADVANCED

Name * DynamicWAN

Type Dynamic

Port P3

Virtual LAN ID

Provider Pinning Pin to Group 1

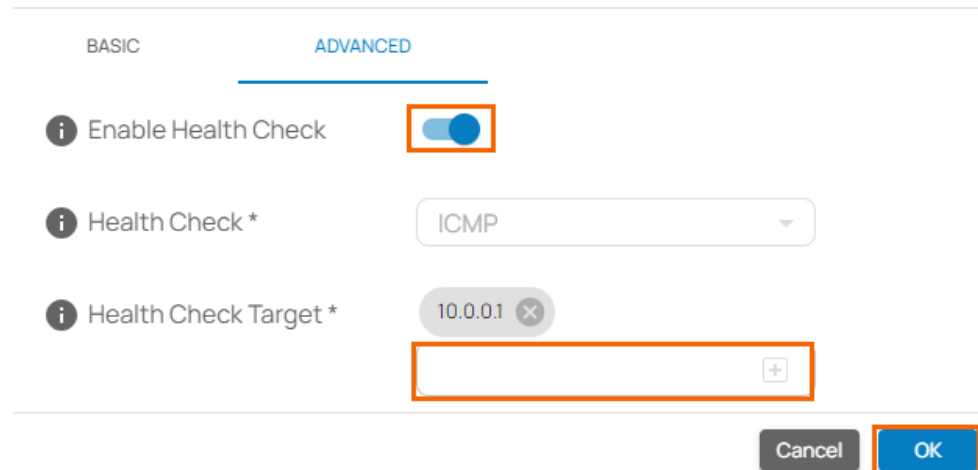
Cancel OK

- In the **ADVANCED** section, specify values for the following:
 - Enable Health Check** - Click to enable/disable. By default, Health Check is

disabled.

- When Health Check is enabled, specify the values for the following:
 - **Health Check** – By default, **ICMP** is selected.
 - If **ICMP** is selected, specify values for the following:
 - **Health Check Target** – Enter a valid IP address, and to add more IPs, click **+**. You can add a collection of IP addresses such as IPv4, public, and private.
- Note that Health Check Target is applied only when Health Check is enabled and the Health Check type is ICMP.
- When Health Check is disabled, the Health Check field is disabled.

Add New WAN Interface



The screenshot shows the 'Add New WAN Interface' configuration page with the 'ADVANCED' tab selected. The 'Enable Health Check' toggle is turned on. The 'Health Check' dropdown menu is set to 'ICMP'. The 'Health Check Target' field contains the IP address '10.0.0.1' and has a '+' button to add more targets. The 'OK' button is highlighted.

7. Click **OK**.
8. Click **Save**.

After configuration is complete, you can see Health Check is enabled for the selected WAN interface.

Enable Health Check for PPPoE WAN

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 containing your site.
3. Go to **Infrastructure > Sites**. The **Sites** page opens.
4. Select the site you want to enable Health Check for your WAN interface. Click on the arrow icon next to the site you want to configure.

Demo Enterprises Inc/Production
Infrastructure > Sites

[New site](#)

[Add filter](#) [Edit columns](#)

	NAME	SERIAL	MODEL	EDGE SERVICE	CLOUD WAN	CONNECTION STATUS	PEERING ADDRESS	LANs	WANs
✓	Alpharetta	752124	VT3000	UnitedStates	Production	Online	169.254.0.5	1014.03/24 1014.64/18	AT-And-T (Dyna... Century-Link (Dy... Comcast (Dynam... T-Mobile (WWAN)
✓	AnnArbor	543124	T900B	UnitedStates	Production	Online	169.254.0.2	1014.03/24 1014.64/18	AT-And-T (Dyna... Century-Link (Dy... Comcast (Dynam... T-Mobile (WWAN)

5. In the site menu, go to **Settings > WAN** and click **Add WAN Interface**.

6. The **Add New WAN Interface** window opens. Specify values for the following:

- In the **BASIC** tab, 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. The 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.

Add New WAN Interface

BASIC **ADVANCED**

Name *

Type

Port

Virtual LAN ID

Provider Pinning

Username

Password

- In the **ADVANCED** tab, specify values for the following:

- **MTU Size** – Enter a valid number up to 1492. By default, the MTU size is 1492.
- **Enable Health Check** – Click to enable/disable. By default, Health Check is disabled.
 - When Health Check is enabled, specify values for the following:
 - **Health Check** – Select the Health Check mode you wish to use from the drop-down list. You can choose between **ICMP**, **LCP**, and **LCP Strict**.
 - If you select **Health Check = ICMP**, specify values for the following:
 - **Health Check Target** – Enter a valid IP address, and to add more IPs, click **+**. You can add a collection of IP addresses such as IPv4, public, and private.
 - If you select **Health Check = LCP** or **LCP Strict**, the Health Check Target field is disabled.
 - When Health Check is disabled, the Health Check field is disabled.

Add New WAN Interface

BASIC

ADVANCED

i

MTU Size

69

i

Enable Health Check

☒

i

Health Check *

LCP

Cancel

OK

7. Click **OK**.
8. Click **Save**.

After configuration is complete, you can see Health Check is enabled for the PPPoE WAN interface.

Figures

1. SitesPage.png
2. GotoSettingWAN.png
3. BasicWANInterface.png
4. Dynamic-adv-settings.png
5. SitesPage.png
6. BasicWAN-Conf.png
7. PPPoE-advSettings.png

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