
Reloading, Restarting, and Shutting Down the System

<https://campus.barracuda.com/doc/5799937/>

This article describes the shutdown, reboot and reload functions of the Barracuda Link Balancer and explains how to use the recovery console in case of system failure.

CAUTION! Use of these controls temporarily interrupts all Barracuda Link Balancer operations.

Shutting Down and Restarting the System

To shut down, restart, or reload the system configuration of your Barracuda Link Balancer:

1. Go to the **BASIC > Administration** page.
2. In the **System Reload/Shutdown** section at the bottom, select the desired option:
 - **Shutdown** - Shuts down and powers OFF the Barracuda Link Balancer.
 - **Restart** - Reboots the Barracuda Link Balancer.
 - **Reload** - Reapplies the system configuration.

You can also reboot the Barracuda Link Balancer by pressing **RESET** on the front panel of the Barracuda Link Balancer. Do not press and hold the **RESET** button for more than a couple of seconds. Holding it for five seconds or longer changes the IP address of the system. For more information, see [Using the RESET Button to Reset the LAN IP Address](#).

Rebooting the System in Recovery Mode

If your Barracuda Link Balancer experiences a serious issue that impacts its core functionality, you can use diagnostic and recovery tools, available at the reboot menu, to return your system to an operational state. Before you use the diagnostic and recovery tools, do the following:

- Use the built-in troubleshooting tools on the **Troubleshooting** page to help diagnose the problem (see: [Troubleshooting](#)).
- Perform a system restore from the last known good backup file (see: [How to Backup and Restore Your System Configuration](#)).
- Contact Barracuda Networks Technical Support for additional troubleshooting tips (see: [Contacting Barracuda Networks Technical Support](#)).

As a last resort, you can reboot your Barracuda Link Balancer and run a memory test or perform a complete system recovery, as described in this section. To perform a system recovery or hardware

test:

1. Connect a monitor and keyboard directly to your Barracuda Link Balancer.
2. Reboot the system by clicking **Restart** on the **BASIC > Administration** page.
3. Press the **Power** button on the front panel to power the system off, and then press **Power** again to power the system back on. The Barracuda splash screen displays with three reboot options explained below.
4. Use your keyboard to select the desired boot option, and click **Enter**. You must select the boot option within three seconds of the splash screen appearing or the Barracuda Link Balancer defaults starts up in the normal mode (first option).

Reboot Options

The following table describes the reboot menu options.

Reboot Option	Description
Barracuda	Starts the Barracuda Link Balancer in the normal (default) mode. This option is the default unless another option is specified within the first three (3) seconds of the splash screen appearing.
Recovery	Displays the Recovery Console where you can choose among the following options: <ul style="list-style-type: none"> • Perform file system repair - Repairs the file system on the Barracuda Link Balancer. • Perform full system re-image - Restores the factory settings on your Barracuda Link Balancer and clears out all configuration information. • Enable remote administration - Initiates a connection to Barracuda Central that allows Barracuda Networks Technical Support to access the system. Another method for enabling this troubleshooting connection is to click Establish Connection to Barracuda Central on the ADVANCED > Troubleshooting page. • Run diagnostic memory test - Runs a diagnostic memory test from the operating system. If problems are reported when running this option, we recommend running the Hardware_Test option next.
Hardware_Test	Performs a thorough memory test that uncovers most memory related errors within a two-hour time period. The memory test is performed outside of the operating system and can take a long time to complete. Reboot your Barracuda Link Balancer to stop the hardware test. You may do this by pressing Ctrl-Alt-Del on the keyboard, or by pressing the RESET button on the Barracuda Link Balancer.

Using the RESET Button to Reset the LAN IP Address

The Barracuda Link Balancer is assigned a default LAN IP address of *192.168.200.200*. You can change this IP address in one of three ways:

- In the web interface, go to the **BASIC > IP Configuration** page.
- Connect a VGA monitor and a keyboard to the back of the Barracuda Link Balancer. Use the serial console. (username *admin*, password *admin*)
- Press the **RESET** button on the front panel.

Pressing **RESET** for five seconds sets the LAN IP address to *192.168.200.200*. Pressing **RESET** for eight seconds changes the LAN IP address to *192.168.1.200*. Pressing the button for 12 seconds changes the LAN IP address to *10.1.1.200*. You will notice the three LEDs on the front panel flash at the same time intervals.

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