

Step 3 - Configure the Barracuda Web Security Gateway

<https://campus.barracuda.com/doc/6160408/>

After choosing the IP address of the Barracuda Web Security Gateway and opening the necessary ports on your corporate firewall, configure the unit using the web interface per the instructions below. Make sure the computer from which you are configuring the Barracuda Web Security Gateway is connected to the same network and that the appropriate routing is in place to allow connection to the Barracuda Web Security Gateway's IP address via a web browser.

By default, HTTPS filtering and SSL inspection are disabled on the Barracuda Web Security Gateway due to the fact that both features require additional configuration steps in order to operate properly. Barracuda Networks recommends enabling at least one of these features in order to provide visibility and control of HTTPS traffic, which continues to increase in usage. To understand and enable these features, please see [HTTPS Filtering With the Barracuda Web Security Gateway](#) and [Using SSL Inspection With the Barracuda Web Security Gateway](#).

Understanding Operating Modes

Before you configure the Barracuda Web Security Gateway to filter traffic, it is recommended to become familiar with the possible operating modes and how they affect which traffic can be filtered and blocked. For initial configuration with an inline deployment, you should set the **Operating Mode** to *Audit* from the **BASIC > IP Configuration** page, and note how traffic is logged.

Operating modes include:

- **Active** - The Barracuda Web Security Gateway actively protects your network by detecting spyware-infected machines on your network, using transparent HTTP proxy scanning to block and log non-HTTP spyware traffic, and using filters to block and log web traffic that conflicts with your organization's Internet usage policy. Note: In this mode, the system operates in Active Bridging Mode to manage connections between network devices and the Barracuda Web Security Gateway.
- **Audit** - In this mode, for an inline deployment, only proxied HTTP/HTTPS traffic is filtered and logged, but not blocked, and *downloads over HTTP will NOT be scanned for viruses or spyware*. For inline traffic, only HTTP traffic is filtered and logged. Use this mode to preview how your currently configured Internet policies would be applied, but without disturbing production traffic. For forward proxy deployments, traffic is logged and policies are applied, just as in **Active** mode.

For non-HTTP traffic, the following configured policies DO apply:

- Application blocking

- IP Block/Exempt rules (Exempt traffic is logged)
- Outbound spyware activity is blocked

For non-HTTP traffic, the following does NOT apply:

- Content Filter settings
- MIME-type blocking
- Domains - blocked and allowed rules
- URL Patterns - logged only
- Categories - logged only
- Exceptions

In **Audit** mode, access to spyware sites and spyware downloads is not blocked but is logged. **Note:** If the Barracuda Web Security Gateway is deployed as a web traffic monitoring device (as opposed to a web traffic filtering device), the system monitors traffic sent through any mirrored (spanned) port on your switches.

- **Safe** - This mode can only be entered automatically by the Barracuda Web Security Gateway and is **not** configurable via the web interface. When the **System Load** exceeds normal thresholds for an extended period, as indicated on the **BASIC > Dashboard** screen, the device shifts to **Safe** mode until the **System Load** returns to normal levels. **Note: In this mode, traffic is neither filtered nor logged.** **Safe** mode does not apply if the Barracuda Web Security Gateway is deployed in a WCCP configuration.

Complete Configuration

1. From a web browser, enter the IP address of the Barracuda Web Security Gateway followed by port.
For example: **http://192.168.200.200:8000**
2. Log in to the web interface using *admin* for the username and, for the password:
 - If your appliance serial number is higher than **311431**, then the default administrator password is the numeric portion of the serial number. For help finding the serial number of your appliance, see [Serial Number for Hardware and Virtual Appliances](#).
 - If your serial number is **311431** or lower, then the default administrator password is *admin*.

If you are upgrading to version 16.0, and if you were using a default Barracuda password with version 15.x, you will be prompted to create a new password for security purposes.

3. Go to the **BASIC > IP Configuration** page and perform the following steps. Click **Help** on the right side of each section title for additional online help.
 1. If you have not already set the IP address for the Barracuda Web Security Gateway in previous steps, enter it in the **IP address** field. Enter the **Subnet Mask** that is used to define this area of your network, and the **Default Gateway**, which is the IP address of the next outbound hop from the Barracuda Web Security Gateway. The Barracuda Web

Security Gateway sends all egress traffic to the default gateway via the WAN port on the front of the appliance.

2. Enter the IP address of your primary and secondary DNS servers (if these have not yet been set up).
3. Set **Operating Mode** to **Audit**.
4. Set **Enable Proxy on WAN** to **No** to protect against WAN-side proxy requests if the Barracuda Web Security Gateway is deployed outside of the corporate firewall.
5. Enter the **Default Hostname** which will be displayed in alerts, notifications, and messages sent by the Barracuda Web Security Gateway.
6. Enter the **Default Domain** which will be displayed in alerts, notifications, and messages sent by the Barracuda Web Security Gateway.
7. Click **Save**.

If the IP address of your Barracuda Web Security Gateway on the **BASIC > IP Configuration** page is changed, you are disconnected from the web interface. If this occurs, log in again using the new IP address.

Activate Your Subscriptions

After installation, your Energize Updates and other optional subscriptions must be activated for the Barracuda Web Security Gateway to be fully enabled and to continue to receive the latest updates to all spyware, virus and category definitions from Barracuda Central. The Energize Updates service is responsible for downloading these updates to your Barracuda Web Security Gateway.

Advanced Threat Protection (ATP)

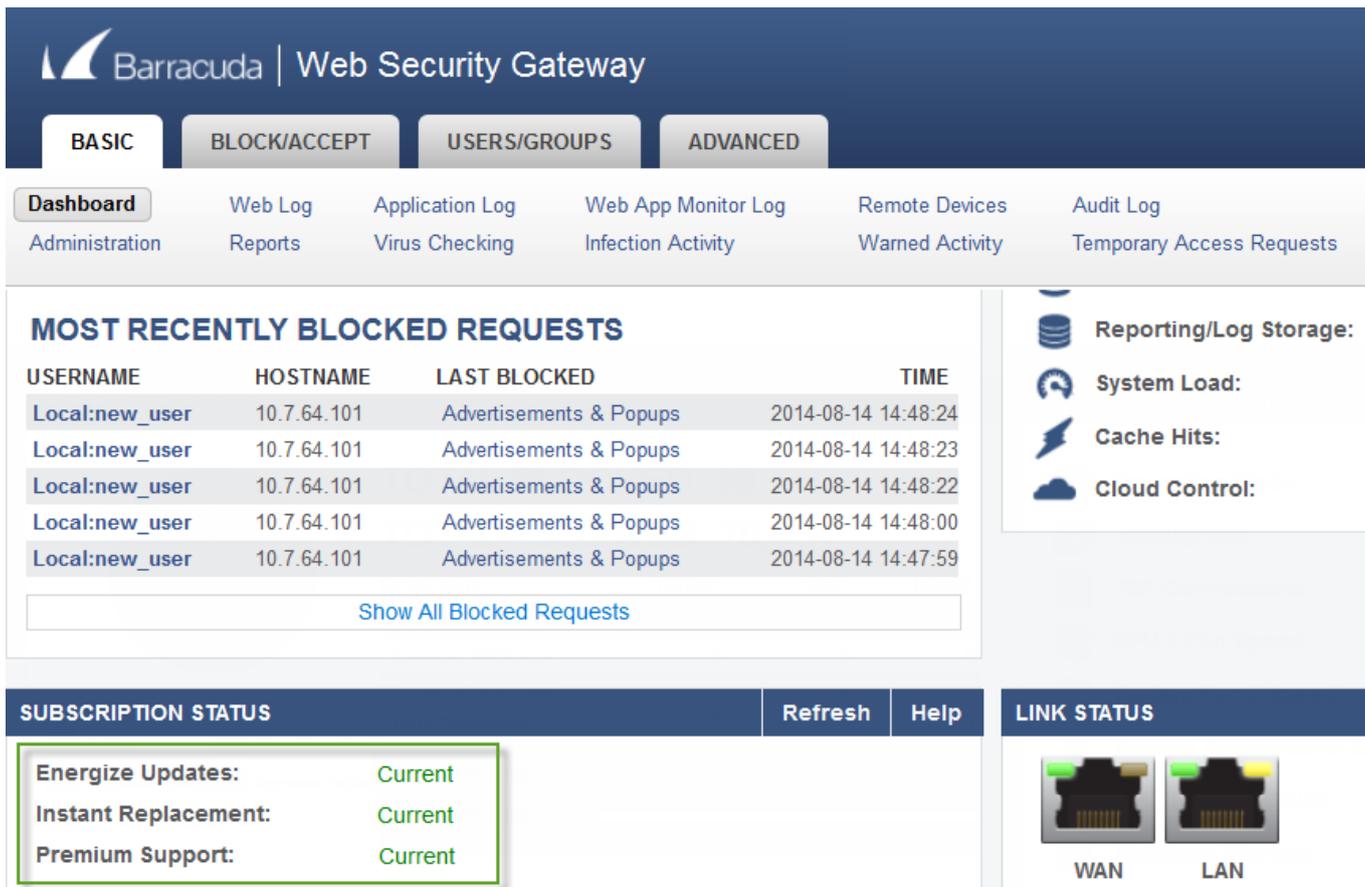
Advanced Threat Protection is a subscription based service that combines behavioral, heuristic, and sandboxing technologies to protect against zerohour, targeted attacks and ransomware. You can subscribe to the ATP service just as you do with Energize Updates. In order to purchase an ATP subscription, you must have a valid Energize Updates subscription. Subscription status for ATP is shown on the **BASIC > Dashboard** page. For more information about ATP, see [Advanced Threat Protection Configuration](#).

Product Activation

1. At the top of every page, you may see the following warning:

Error: Activation has not been completed. Please activate your Barracuda Web Filter to enable functionality. [\(Click here for activation code\)](#)

2. Click on the designated link to open up the **Product Activation** page in a new browser window.
3. On the **Product Activation** page, fill in the required fields and click **Activate**. A confirmation page opens to display the terms of your subscription.
4. Return to the Barracuda Web Security Gateway web interface and navigate to the **BASIC > Dashboard** page. In the **Subscription Status** section, verify that the word *Current* appears next to **Energize Updates**, **Instant Replacement Service** (if purchased) and **Premium Support** (if purchased):



The screenshot shows the Barracuda Web Security Gateway interface. The top navigation bar includes 'BASIC', 'BLOCK/ACCEPT', 'USERS/GROUPS', and 'ADVANCED'. Below this is a secondary navigation bar with 'Dashboard' (selected), 'Web Log', 'Application Log', 'Web App Monitor Log', 'Remote Devices', and 'Audit Log'. The main content area is divided into two columns. The left column displays 'MOST RECENTLY BLOCKED REQUESTS' as a table with columns for USERNAME, HOSTNAME, LAST BLOCKED, and TIME. The right column shows system metrics: Reporting/Log Storage, System Load, Cache Hits, and Cloud Control. At the bottom, the 'SUBSCRIPTION STATUS' section is highlighted with a green box, showing 'Energize Updates: Current', 'Instant Replacement: Current', and 'Premium Support: Current'. To the right of this section is the 'LINK STATUS' section showing WAN and LAN ports with green indicator lights.

USERNAME	HOSTNAME	LAST BLOCKED	TIME
Local:new_user	10.7.64.101	Advertisements & Popups	2014-08-14 14:48:24
Local:new_user	10.7.64.101	Advertisements & Popups	2014-08-14 14:48:23
Local:new_user	10.7.64.101	Advertisements & Popups	2014-08-14 14:48:22
Local:new_user	10.7.64.101	Advertisements & Popups	2014-08-14 14:48:00
Local:new_user	10.7.64.101	Advertisements & Popups	2014-08-14 14:47:59

SUBSCRIPTION STATUS		Refresh	Help	LINK STATUS	
Energize Updates:	Current			WAN	LAN
Instant Replacement:	Current				
Premium Support:	Current				

There may be a slight delay of a few minutes for the display to reflect your updated subscription status. If the status is still showing as not activated, click **Refresh** in the **Subscription Status** section.

If your subscription status does not change to *Current* within an hour, and you have ensured that all required network ports are open, or if you have trouble filling out the **Product Activation** page, please call your Barracuda Networks sales representative.

Update the Barracuda Web Security Gateway Firmware

Prior to upgrading the firmware on your Barracuda Web Security Gateway, it is always recommended that you read the release notes. To update the firmware on the Barracuda Web Security Gateway:

1. From the web interface, select **ADVANCED > Firmware Update**.
2. Read the release notes to learn about the latest features and fixes provided in the new firmware version.
3. Click **Download Now** next to Latest General Release. **Download Now** is disabled if the Barracuda Web Security Gateway is already up-to-date with the latest firmware version. The Barracuda Web Security Gateway begins downloading the latest firmware version. You can view the download status by clicking **Refresh**. A message displays once the download is complete. **It is important to not power-cycle the unit during the download.** Updating the firmware may take several minutes. Do not turn off the unit during this process.
4. Click **Apply Now** when the download completes. The Barracuda Web Security Gateway will apply the firmware and automatically reboot. **It is important to not power-cycle the unit during this process.** A Status page displays the progress of the reboot. Once the reboot is complete, the login page appears.

Update Definitions

To apply the newest definitions provided by Energize Updates:

1. Select **ADVANCED > Energize Updates**.
2. Select **On** for **Automatically Update**. The recommended setting is **On** for all available definitions.
3. Check to see if the current version is the same as the latest general release. If the rules are up-to-date, proceed to the next section. If the rules are not up-to-date, continue to the next step.
4. Click **Update** to download and install the latest available definitions onto the Barracuda Web Security Gateway.

Continue with [Step 4 - Configure and Secure the Web Interface](#).

Figures

1. ActivationWarning.JPG
2. subscription_status.png

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