

How to Configure the Intrusion Prevention System (IPS)

To use IPS, you must have a valid Energize Updates subscription installed on your standalone Barracuda NG Firewall or your Barracuda NG Control Center. IPS can automatically receive the latest intrusion prevention and security updates from [Barracuda Central](#), an advanced 24/7 security operations center that works to continuously monitor and block emerging Internet threats. Exploit signatures are regularly updated at Barracuda Central and are automatically delivered to your system via Energize Updates.

Related Articles

- [Intrusion Prevention System \(IPS\)](#)
- [IPS Features](#)

Enabling IPS can decrease the overall throughput of your system. By default, all firewall rules use the default IPS policy. For specific firewall rules, you can disable IPS.

Enable IPS

1. [Log into the Barracuda NG Firewall](#).
2. Go to the **Config > Full Config** page.
3. Open the **Box > Virtual Servers > Assigned Services > Firewall > IPS Policies** page.
4. Click **Lock**.
5. Select the **Enable IPS** check box.
6. If you want malicious traffic to be reported without being dropped, select the **Report only** check box.
7. Click **Send Changes** and then click **Activate**.

View and Edit IPS Signature Policies

On the **IPS Policies** page, click **Edit explicit actions** to view the list of IPS signatures and how they are handled. To edit the settings for an IPS signature, click it and then click **Edit Selected**. In the **Change Action for Explicit Signatures** window, define how the IPS signature is handled and reported. To use the default IPS policy, select the **Reset to default action** check box.

Create New IPS Policies

In the **Custom Policies** section of the **IPS Policy Settings** page, you can create new IPS policies. These policies can be applied to your firewall rules.

1. In the **Custom Policies** table, add a new entry for your policy.
2. Select an ID for your policy and click **OK**.

3. In the **Name** and **Description** fields, enter a name and a description for the policy.
4. If you want to apply your settings to the default IPS policy, click **Copy to Default Policy**.
5. Click **Send Changes** and then click **Activate**.

Create IPS Signature Overrides

On the **IPS Overrides** page, you can override the default or custom IPS policies for specific IPS signatures.

1. [Log into the Barracuda NG Firewall](#).
2. Go to the **Config > Full Config** page.
3. Open the **Box > Virtual Servers > Assigned Services > Firewall > IPS Overrides** page.
4. Click **Lock**.
5. Click the + icon.
6. In the **Select IPS Signatures** window, select the required IPS signatures and click **Add**. To remove a signature, select it and click **Remove**.
7. Click **OK**. Your override is listed in the table on the **IPS Overrides** page.
8. Click **Send Changes** and then click **Activate**.

Configure IPS in Firewall Rules

1. [Log into the Barracuda NG Firewall](#).
2. Click the **Status** tab.
3. In the **Services** table, click **Configuration**.
4. In the **Operational Configuration** table, click **Ruleset**.
5. Open the required firewall rule.
6. Under **Policy**, select the required IPS policy from the **IPS Policy** list. To disable IPS for the rule, select **No Scan**.

How to Manage IPS on a Barracuda NG Control Center

If your firewall system is centrally managed by a Barracuda NG Control Center (CC), the IPS pattern updates are done by the Control Center itself. The requirements for IPS pattern management through a CC is a valid Energize Update subscription and a connection to the Internet for downloading and updating the database. As soon as the Barracuda NG Control Center receives IPS pattern updates, these patterns are delivered to all attached Barracuda NG Firewalls.

To edit and modify the IPS patterns on the Barracuda NG Control Center, proceed as follows:

1. [Log into the Barracuda NG Control Center](#).
2. Go to the **Control** tab and click **File Updates** in the ribbon bar. Pattern version information are displayed in the lower window, while successful or failed IPS pattern updates for attached NG Firewalls are listed in the upper window.
3. Click the **Set Area Config** button.
4. In the **Time Settings** section, set the **Download Interval** (default: **60**)
5. In the **Proxy Settings** section, specify the settings for the Proxy server. These settings may be necessary if your Barracuda NG Control Center needs to have Internet access through a corporate HTTP Proxy server. If your Barracuda NG Control Center is not able to download IPS patterns, increase the **Log Level** for better troubleshooting.
6. Click **OK**.
7. Click **Send Changes** and then **Activate**.

If a CC managed unit is re-installed the IPS pattern database needs to be updated after the installation process, since the database is not stored within the PAR file.

