

## How to Enable Layer 7 Application Profiling

<https://campus.barracuda.com/doc/46209216/>

Layer 7 Application Control is a legacy feature of the Barracuda NextGen Firewall F-Series. Barracuda Networks recommends using [Application Control](#) instead.

Before configuring Layer 7 Application Control in your firewall rules, you must enable it and configure default application handling and detection policies.

To use Layer 7 Application Control, you must have a valid **Energize Updates** subscription installed on the Barracuda NextGen Firewall F-Series.

### Configure Application Detection

1. Go to **CONFIGURATION > Configuration Tree > Box > Infrastructure Services > General Firewall Configuration**.
2. In the left menu, select **Application Detection**.
3. Click **Lock**.
4. From the **Enable Protocol Detection** list, select **yes**.
5. In the **Application Detection Default Policy** section, configure the default policy that will be applied to detected applications.

Edit the following settings:

Setting	Description
<b>Application Policy</b>	Specifies how detected applications are handled. You can select one of the following policies: <ul style="list-style-type: none"> <li>◦ <b>No-Detection</b> - Application detection is deactivated.</li> <li>◦ <b>Detect-Only</b> - Reports detected applications in the firewall access cache but takes no action.</li> <li>◦ <b>Limit-Bandwidth</b> - Limits the bandwidth for the traffic of detected applications. If you select this policy, you must enter the maximum bandwidth in the <b>Application Bandwidth</b> field.</li> <li>◦ <b>Drop-Traffic</b> - Blocks the traffic for detected applications.</li> <li>◦ <b>Assign-QoS-Band</b> - Assigns a QoS band to the traffic of detected applications, as specified by the default policy or the firewall rule.</li> </ul>
<b>Application Bandwidth</b>	Maximum bandwidth in kilobits for the traffic of detected applications.

<p><b>Application QoS Band Shape Connector</b></p>	<p>Default traffic shaping connector for the traffic of detected applications. You can select the <b>Other</b> check box and enter the ID value of the required shaping connector.</p> <p>A valid traffic shaping configuration is required to use this feature. You can choose a band from the predefined basic QoS profile template but you must still activate the overall use profile on the various network interfaces within the traffic shaping configurations.</p>
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6. In the **Application Detection Default Selection** section, define the applications that the Barracuda NextGen Firewall F-Series must detect. By default, all supported applications are detected.
  - If you want to explicitly specify which applications must be detected, edit the following settings:
    - **Use Preselected Applications** - Select *no*.
    - **Explicitly Add Applications** - Add an entry for each application that the Barracuda NextGen Firewall F-Series must detect.
  - If you want to use the preselected list of applications, edit the following settings:
    - **Use Preselected Applications** - Select *yes*.
    - **Explicitly Skip Applications** - Add an entry for each application that the Barracuda NextGen Firewall F-Series does not need to detect.

**Application Detection Default Selection**

Use Preselected Applications

Explicitly Add Applications +

Explicitly Skip Applications +

Preselected Applications +

GAME-ARMAGETRON

GAME-BATTLEFIELD

GAME-CLUBPENGUIN

GAME-CROSSFIRE

7. Click **Send Changes** and **Activate**.

Continue with [How to Use Layer 7 Application Control in Firewall Rules](#).

## Figures

1. app.jpg

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