

Layer 7 Application Detection Settings

<https://campus.barracuda.com/doc/46209121/>

Barracuda Networks recommends using the newer [Application Control](#).

This article explains the sizing parameters within the Layer 7 **Application Detection** section of the Barracuda NextGen Firewall F-Series.

Configure Layer 7 Application Detection Settings

To specify the settings, complete the following steps:

1. Go to **CONFIGURATION > Configuration Tree > Box > Infrastructure Service > General Firewall Configuration**.
2. From the **Configuration** menu on the left, click **Application Detection**.
3. From the **Configuration Mode** menu, select **Advanced View**.
4. Click **Lock**.
5. To enable application detection, set the parameter **Enable Protocol Detection** to **yes**.
6. From the **Application Policy** list, select the handling policy for detected traffic:
 - **No-Detection**
 - **Detect-Only** - Detects traffic in the firewall access cache but takes no action.
 - **Limit-Bandwidth** - Limits the bandwidth for detected traffic considering the limit value specified below.
 - **Drop-Traffic** - Blocks detected traffic.
 - **Assign QoS Band** - Assign detected traffic to a Shape Connector.
7. Leave the parameter **Application Bandwidth (KBit/s)** as default.

This option is enabled by policy setting to **Limit-Bandwidth**. It specifies the maximum bandwidth that should be allowed for P2P traffic.
8. The following parameters are available for modification:
 - **Application QoS Band** - Assigns detected peer-to-peer traffic to a pre-defined QoS band (see: [Traffic Shaping](#)).
 - **Use Preselected Applications** - Uses the predefined list of applications from the **Preselected Applications** list.
 - **Explicitly Add Applications** - Adds specific protocols from the list of all available protocols.
 - **Explicitly Skip Applications** - Excludes specific protocols from the list all available protocols.
 - **Preselected Applications** - Enables or disables the detection of all known game application protocols.

Changes regarding application detection require a **Firmware restart (CONTROL > Box)**.

9. Click **Send Changes** and **Activate**.

To activate changes made in this part of the configuration, you must perform a firmware restart. To do so, go to the **CONTROL** tab, click the **Box** icon in the ribbon bar, expand the **Operating System** menu and click the **Firmware Restart** link.

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