How to Configure Botnet and Spyware Protection for Web Traffic

https://campus.barracuda.com/doc/73719207/

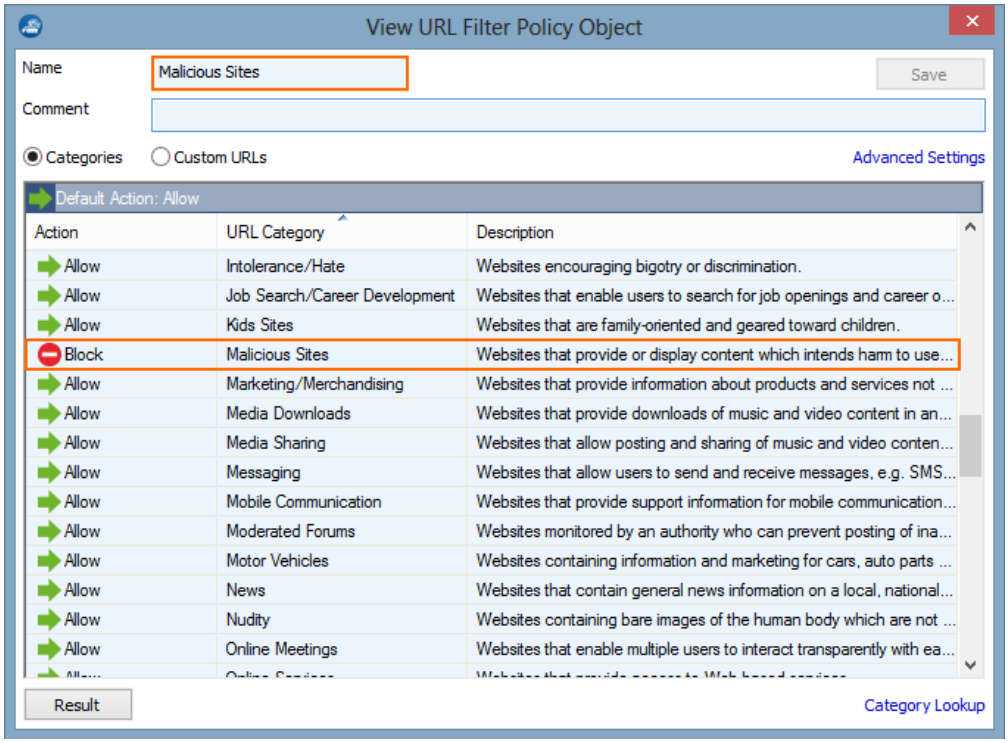
If you are not using a DNS sinkhole you can configure the URL filtering in the firewall to achieve similar results for HTTP and HTTPS traffic. This allows you to restrict access to malicious websites that may compromise the security of your client. The **Malicious Sites** URL category also uses the spyware and botnet database. Create a URL Filter policy object blocking access to websites in the **Malicious Sites** category and use it in the application rule matching your web traffic. When access to a malicious site is detected, the user is redirected to a custom block page. A valid Energize Updates subscription is required.

Before You Begin

- (optional) Configure an outbound SSL Inspection policy. To use SSL Inspection the **Feature Level** of the Forwarding Firewall must be set to **7.2** or higher. For more information, see SSL Inspection in the Firewall and How to Configure Outbound SSL Inspection.

Step 1. Create a URL Filter Policy Object

Create a URL Filter policy object and set the **Action** for **Malicious Sites** category to **Block**.

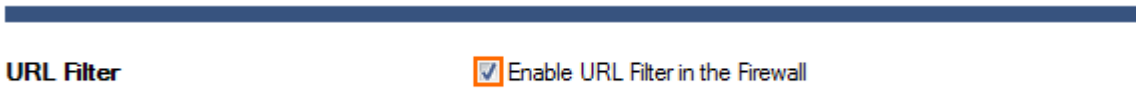


For more information, see How to Create a URL Filter Policy Object.

Step 2. Enable URL Categorization

You must enable the URL Filter to be able to process URL categorization requests. To change additional settings for the URL Filter service, see the **Application Detection** section in General Firewall Configuration.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > *your virtual server* > Assigned Services > Firewall > Security Policy** .
2. Click **Lock**
3. In the **URL Filter** section, click **Enable URL Filter in the Firewall**.



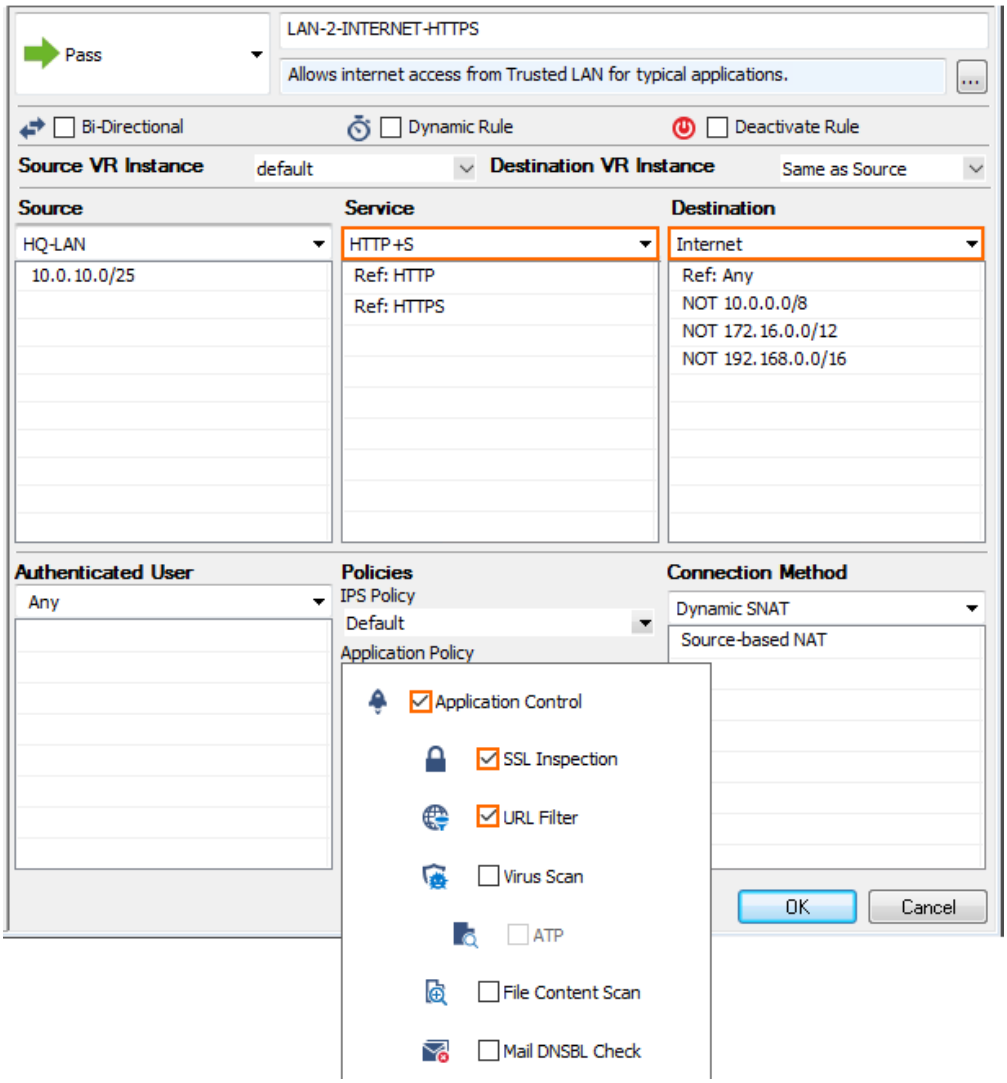
4. Click **Send Changes** and **Activate**.

The Barracuda URL Filter is now enabled and can handle URL categorization requests.

Step 3. Enable the URL Filter for the Access Rule Handling Web Traffic

Enable Application Control, SSL Inspection, and URL Filter for the access rule matching web traffic.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > *your virtual server* > Assigned Services > Firewall > Forwarding Rules**.
2. Double-click to edit the access rule matching HTTP and HTTPS traffic.
3. Click on the **Application Policy** link and select:
   - **Application Control** – required.
   - **SSL Inspection** – recommended.
   - **URL Filter** – required.

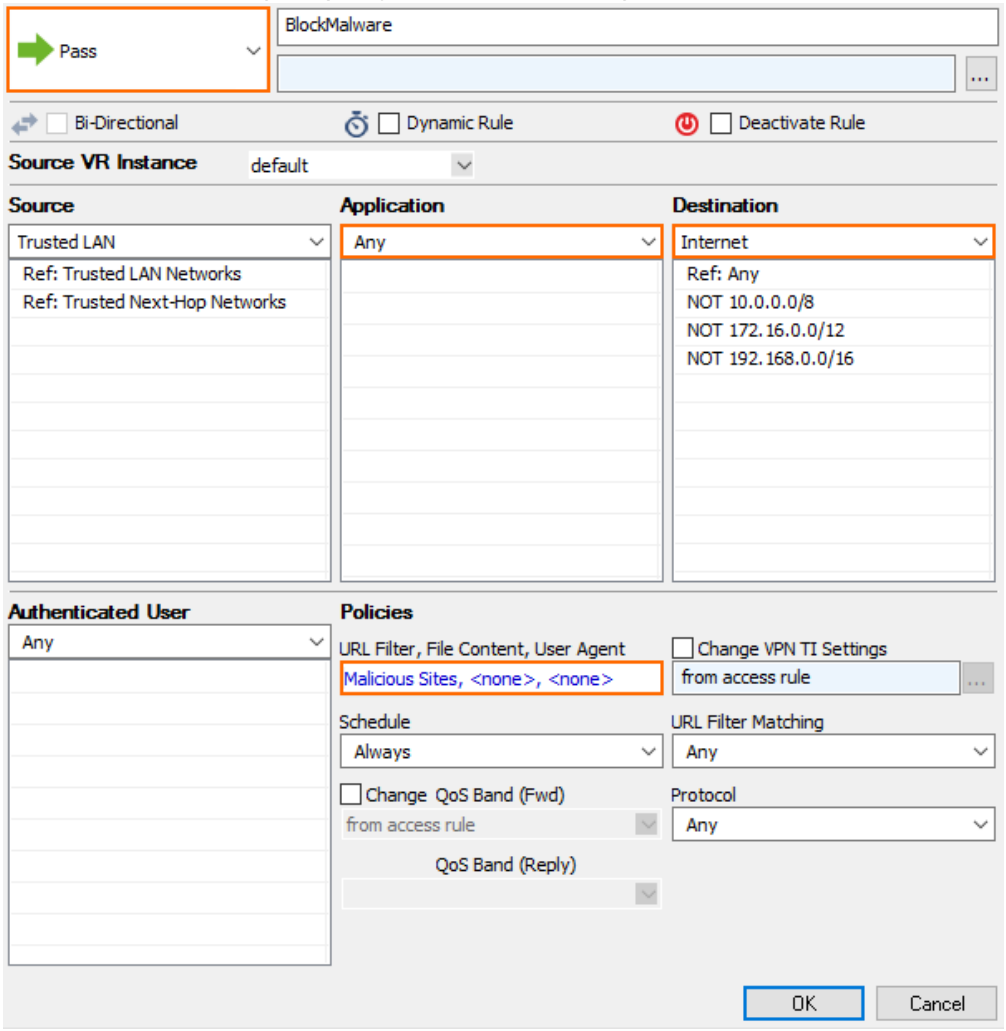


4. Select a policy from the **SSL Inspection Policy** drop-down list.
5. Click **OK**.
6. Click **Send Changes** and **Activate**.

Step 4. Create an Application Rule using URL Filter Objects

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > *your virtual server* > Assigned Services > Firewall > Forwarding Rules**.
2. In the left menu, click **Application Rules**.
3. Click **Lock**.
4. Create a **Pass** application rule. For more information, see How to Create an Application Rule.
   - **Source** – Select the same source used in the matching access rule.
   - **Application** – Select **Any** to use only the web filtering. Otherwise, select an application object from the drop-down list to combine application control and URL filtering.
   - **Destination** – Select **Internet**.
5. Click the **URL Filter, File Content, User Agent** link.

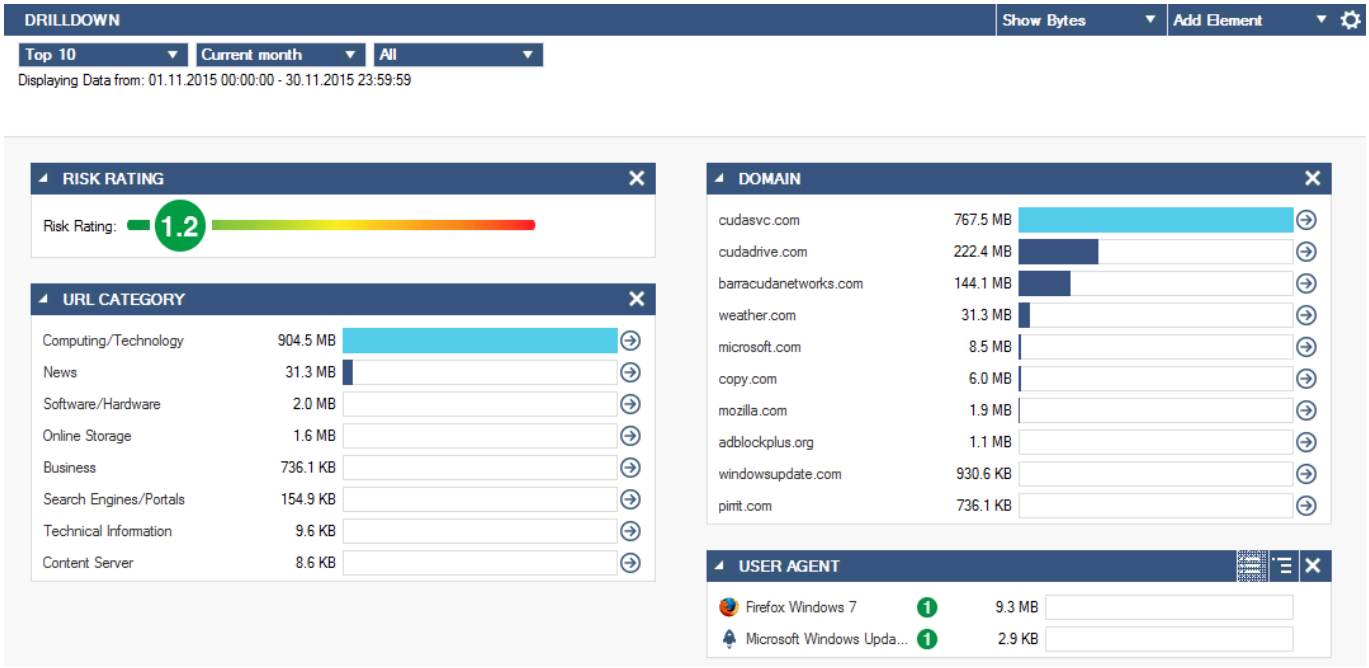
6. Click **URL Filter**.
7. Click the URL Filter policy object created in step 1.



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

Firewall Monitor

Go to **FIREWALL > Monitor** and drill down into the **Malicious Sites** category to receive a summary of all clients attempting to access websites in this category.


DRILLDOWN
Show Bytes
Add Element
Top 10
Current month
All
Displaying Data from: 01.11.2015 00:00:00 - 30.11.2015 23:59:59
RISK RATING
Risk Rating: 1.2
URL CATEGORY
Computing/Technology 904.5 MB
News 31.3 MB
Software/Hardware 2.0 MB
Online Storage 1.6 MB
Business 736.1 KB
Search Engines/Portals 154.9 KB
Technical Information 9.6 KB
Content Server 8.6 KB
DOMAIN
cudasvc.com 767.5 MB
cudadrive.com 222.4 MB
barracudanetworks.com 144.1 MB
weather.com 31.3 MB
microsoft.com 8.5 MB
copy.com 6.0 MB
mozilla.com 1.9 MB
adblockplus.org 1.1 MB
windowsupdate.com 930.6 KB
pirrit.com 736.1 KB
USER AGENT
Firefox Windows 7 1 9.3 MB
Microsoft Windows Upda... 1 2.9 KB

Figures

1. spy_bot_url_filter_01.png
2. enable_URL_Filter.png
3. Conf_WF_Firewall_03.png
4. spy_bot_url_filter_02.png
5. firewall_monitor.png