Introduction

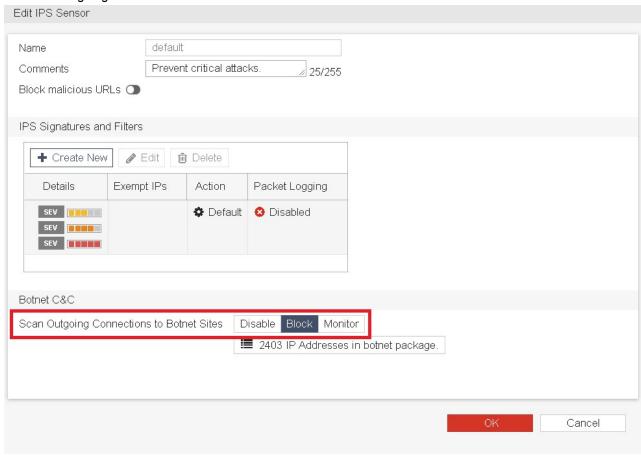
This document is intended to provide guidance on how to enable Botnet detection on FortiGate devices. The information contained in this guide covers all the necessary steps for customers to configure Botnet C&C blocking on the FortiGate.

Botnet C&C IP blocking

The *Botnet C&C* section consolidates multiple botnet options in the IPS profile. This allows you to enable botnet blocking across all traffic that matches the policy by configuring one setting in the GUI, or by the scan-botnet-connection command in the CLI.

To configure botnet C&C IP blocking using the GUI:

- **1.** Go to Security Profiles > Intrusion Prevention.
- 2. Edit an existing IPS profile, or create a new one.
- 3. Set Scan Outgoing Connections to Botnet Sites to Block or Monitor.



- **4.** Configure the other settings as required.
- 5. Click Apply. Botnet C&C IP is now enabled for the sensor.
- 6. Add this sensor to the firewall policy.
 The IPS engine will scan outgoing connections to botnet sites. If you access a botnet IP, an IPS log is generated for this attack.
- **7.** Go to Log & Report > Intrusion Prevention to view the log.

To configure botnet C&C IP blocking using the CLI:



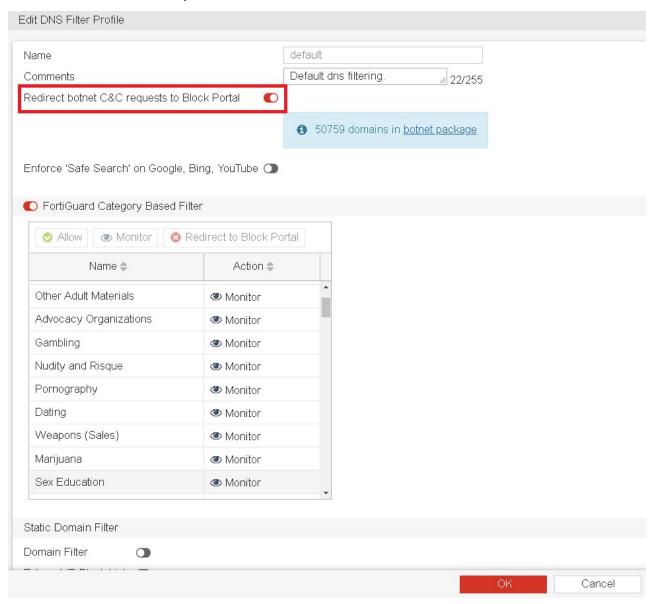
If you are running version 6.0.x or older then it can be configured in under one of the following sections:

- config firewall interface-policy
- config firewall policy
- config firewall proxy-policy

Botnet C&C domain blocking

To block connections to botnet domains using the GUI:

- 1. Go to Security Profiles > DNS Filter.
- 2. Edit an existing profile, or create a new one.
- 3. Enable Redirect Botnet C&C requests to Block Portal.



- 4. Configure other settings as required.
- 5. Click OK.
- 6. Add this filter profile to a firewall policy.

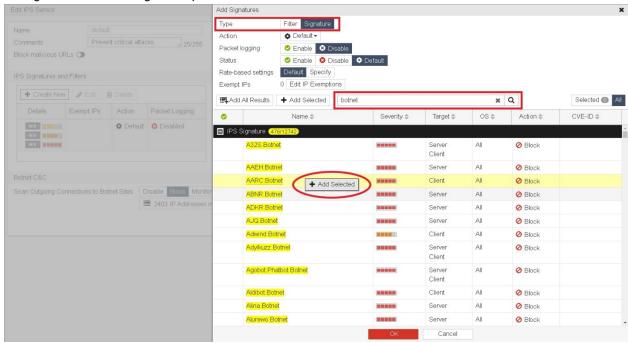
Botnet C&C signature blocking

To add IPS signatures to a sensor using the GUI:



One option is to use a predefined default IPS profile to block C&C Signatures. Default IPS profile is pre-configured with default action(block) for severity level 3, 4 and 5 which covers all the C&C signatures.

- 1. Go to Security Profiles > Intrusion Prevention.
- 2. Edit an existing sensor, or create a new one.
- 3. In the IPS Signatures and Filters section, click Create New.
- 4. Set Type to Signature.
- 5. Enter botnet in the Search field to get the list of all available signatures from the database.
- 6. Right-click the signatures you want to include from the list.
- 7. Click Add Selected.
- 8. Configure the other settings as required.



- 9. Click OK
- **10.** Configure other settings as required, then click *OK*
- 11. Add this sensor to a firewall policy to detect or block attacks that match the IPS signatures.

Botnet IPs and domains lists

To view botnet IPs and domains lists using the GUI:

- 1. Go to System > FortiGuard. Botnet IPs and Botnet Domains are visible in the Intrusion Prevention section.
- 2. Click View List for more details.

