

Antivirus Signature Feeds

The Hermes SEG default antivirus engine (ClamAV) is not very effective at detecting malware when using only its own signatures. Therefore, 3rd party ClamAV signature feeds have been developed. Using the correct 3rd party signatures, ClamAV becomes extremely good at detecting malware with very few false positives. Currently, Hermes SEG supports the integration of the following 3rd party signature feeds:

- Linux Malware Detect
- Malware Patrol
- Sanesecurity
- SecuritInfo
- YaraRules

In this page, you can enable and configure each one of the supported 3rd party signature feeds.

Linux Malware Detect

Linux Malware Detect (LMD) is a malware scanner for Linux released under the GNU GPLv2 license, that is designed around the threats faced in shared hosted environments. It uses threat data from network edge intrusion detection systems to extract malware that is actively being used in attacks and generates signatures for detection. In addition, threat data is also derived from user submissions with the LMD checkout feature and from malware community resources. The signatures that LMD uses are MD5 file hashes and HEX pattern matches, they are also easily exported to any number of detection tools such as ClamAV. More information can be found at <https://www.rfxn.com/projects/linux-malware-detect/>

Enable Linux Malware Detect feed and adjust update interval


1. Click on the  icon under the **Configure** column of the **linuxmalwaredetect** entry.
2. On the **Linux Malware Detect Feed Configuration** page under the **Linux Malware Detect Feed** section, ensure **Enabled** is selected (Linux Malware Detect is enabled by default).
3. Under the **Linux Malware Detect Database Update Interval**, adjust the update interval as needed. The default is **8 hours**. Change the interval with caution, because some feeds will ban your IP address if you connect for updates too often (**Figure 1**).

Figure 1

Linux Malware Detect Feed

- ☒ Enabled
☐ Disabled

Linux Malware Detect Database Update Interval (Default is 8 Hours for a total of 3 downloads a day. Change with caution, changing the interval can get you banned)

8 Hours ▾

- Click on the **Apply Settings** button on the bottom of the page to apply your changes (**Figure 2**).

Figure 2

Apply Settings

Add Linux Malware Detect Databases

Hermes SEG already comes preconfigured with Linux Malware Detect signatures. As far as we can tell, the only two signatures available for Linux Malware Detect have already been added to Hermes SEG. If more signatures become available in the future and you wish to add them, Linux Malware Detect signatures can be found at the following URL

<https://github.com/andrewelkins/Linux-Malware-Detect/tree/master/files/sigs>.

Note: Adding or enabling databases that have a False Positive Risk of Medium or High can lead to false positives. Use those databases with caution.


- Click on the  icon under the **Configure** column of the **linuxmalwaredetect** entry.
- On the **Linux Malware Detect Feed Configuration** page click on the **Add Linux Malware Detect Database** button (**Figure 3**).

Figure 3

Add Linux Malware Detect Database

- On the **Add Signature Database** page, under the **Database** field, enter the signature you wish to add, under the **Description** field enter a description for the database, under the **False Positive Risk** field select a risk level and under the **Enabled** field select whether to enable to disable the signature and then click the **Add** button (**Figure 4**).
- Note that signatures can be added by not necessarily enabled.**

Figure 4

Add Signature Database

Malware Feed

linuxmalwaredetect

Database

rfxn.hdb

Description

HEX Malware detection signatures

False Positive Risk

☒ Low

☐ Medium

☐ High

Enabled

☒ Yes

☐ No

Add

4. Continue adding signature databases as needed. When finished, click on the **Back to Feed Configuration** button to return to the **Linux Malware Detect Feed Configuration** page (**Figure 5**).

Figure 5

Back to Feed Configuration

4. Back on the **Linux Malware Detect Feed Configuration** page, click on the **Apply Settings** button on the bottom of the page to save the new database signature(s) you just added to the configuration (**Figure 6**).

Figure 6

Apply Settings

Delete or disable Linux Malware Detect Databases

Deleting a database will completely remove all the database signatures from the ClamAV configuration. Note that if you delete all of the database for a particular feed, the feed will be effectively disabled.

Disabling a database will prevent the system from downloading signature updates for that particular database on the Signature Feed update interval. However, the signatures (albeit old ones) will still be part of the ClamAV configuration.

1. Place a checkmark on the checkbox under **Enabled** column if you wish to disable a database or the **Delete (Check to Delete)** column if you wish to delete the database of one or more database(s).
2. Click on the **Apply Settings** button to apply your setting to the ClamAV configuration (**Figure 6**).

Figure 6

Linux Malware Detect Databases

Enabled	Database Name	Description	False Positive Risk	Delete (Check to Delete)
<input type="checkbox"/>	rfxn.ndb	HEX Malware detection signatures	LOW	<input type="checkbox"/>
<input checked="" type="checkbox"/>	rfxn.hdb	MD5 malware detection signatures	LOW	<input checked="" type="checkbox"/>

Apply Settings

Malware Patrol

The Malware Patrol Project have been gathering and providing malware and ransomware threat data since 2005. This information is used by enterprises and open source members of their community to protect networks and assets in more than 130 countries. For ease of use, they offer data feeds in pre-defined and customized contents and formats compatible with the most popular security systems. More information can be found at <https://www.malwarepatrol.net/>

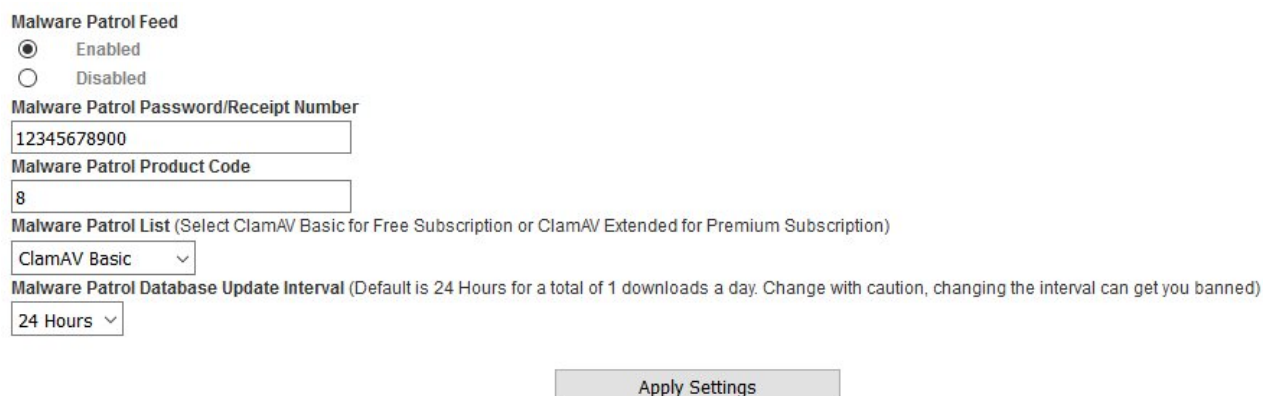
Enable and configure Malware Patrol feed

1. Click on the  icon under the **Configure** column of the **malwarepatrol** entry.
2. Sign up for an account at <https://www.malwarepatrol.net/signup-free.shtml>. Choose either a **Free** or a **Premium** subscription.
3. After signing up, you will receive an email that contains your Password/Receipt number. Login to your account at <https://www.malwarepatrol.net/login.php>
4. In the **My Account** page, under the **URL block lists**, locate the **Regular List Download** link for either ClamAV Virus DB (Basic) if you have a Free Subscription or ClamAV Virus DB (ext) if you have a Premium Subscription. **Never use the Aggressive List Download links.**
5. The Download link you select will be formatted like:
https://lists.malwarepatrol.net/cgi/getfile?receipt=521901267812&product=15&list=clamav_basic for a Free Subscription or
https://lists.malwarepatrol.net/cgi/getfile?receipt=521901267812&product=15&list=clamav_ext for a Premium Subscription. From the Download link, please note the **receipt=521901267812** will be your actual password/receipt number, **product=15** is

the product code and **list=clamav_basic** or **list=clamav_ext** depending on your subscription.

6. On the **Malware Patrol Feed Configuration** page under the **Malware Patrol Feed** section, ensure **Enabled** is selected (Malware Patrol is disabled by default).
7. Under the **Password/Receipt Number** field, enter the number after **receipt=** from **Step 5. Ensure you enter your own number and don't use the number from the example above.**
8. Under the Malware Patrol Product Code field, enter the number after the **product=** from **Step 5. Ensure you enter your own number and don't use the number from the example above.**
9. Under the Malware Patrol List drop-down field, select either **ClamAV Basic** if you signed up for a **Free Subscription** or **ClamAV Extended** if you signed up for **Premium Subscription**.
10. Under the **Linux Malware Detect Database Update Interval**, adjust the update interval as needed. The default is **24 hours**. If you have a Premium Subscription, you can change to **2 Hours**. Change the interval with caution, because some feeds will ban your IP address if you connect for updates too often (**Figure 7**).

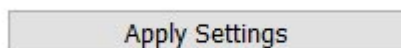
Figure 7



The screenshot shows a web form titled "Malware Patrol Feed Configuration". It contains several fields: a radio button group for "Enabled" (selected) and "Disabled"; a text input for "Malware Patrol Password/Receipt Number" containing "12345678900"; a text input for "Malware Patrol Product Code" containing "8"; a dropdown menu for "Malware Patrol List" with "ClamAV Basic" selected; and a dropdown menu for "Malware Patrol Database Update Interval" with "24 Hours" selected. A note below the last dropdown states: "(Default is 24 Hours for a total of 1 downloads a day. Change with caution, changing the interval can get you banned)". At the bottom right is a button labeled "Apply Settings".

4. Click on the **Apply Settings** button on the bottom of the page to apply your changes (**Figure 8**).

Figure 8



Add Malware Patrol Databases

The Malware Patrol feed does not require any databases to be added.

Sanesecurity

Sanesecurity produces add-ons signatures to help improve the ClamAV detection rate on Zero-Day malware and even on Zero-Hour malware. Since 2006 they have provided professional quality ClamAV signatures to protect against the following email types: Macro malware, Zip malware, Rar malware, Javascript malware, 7z malware, Phishing, Spear phishing and other types of common emailed malware and spam. Sanesecurity 3rd Party ClamAV signatures can also help prevent TeslaCrypt, Cryptowall, Cryptolocker and other ransomware, who's source usually starts as a malicious email. Sanesecurity signatures are free, however we highly recommend donating to this worthwhile cause. More information can be found at <http://sanesecurity.com/>

Enable Sanesecurity feed and adjust update interval


1. Click on the  icon under the **Configure** column of the **sanesecurity** entry.
2. On the **Sanesecurity Feed Configuration** page under the **Sanesecurity Feed** section, ensure **Enabled** is selected (Sanesecurity is enabled by default) (**Figure 9**).

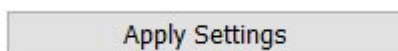
Figure 9

Sanesecurity Feed

- ☒ Enabled
☐ Disabled

4. Click on the **Apply Settings** button on the bottom of the page to apply your changes (**Figure 10**).

Figure 10



Add Sanesecurity Databases

Hermes SEG already comes preconfigured with the safest Sanesecurity signatures (Low False Positive Risk). Additional Sanesecurity signatures can be found at the following URL

<http://sanesecurity.com/usage/signatures/>.

Note: Adding or enabling databases that have a False Positive Risk of Medium or High can lead to false positives. Use those databases with caution.


1. Click on the  icon under the **Configure** column of the **sanesecurity** entry.
2. On the **Sanesecurity Feed Configuration** page click on the **Add Sanesecurity Database** button (**Figure 3**).

Figure 11

Add Sanesecurity Database

3. On the **Add Signature Database** page, under the **Database** field, enter the signature you wish to add, under the **Description** field enter a description for the database, under the **False Positive Risk** field select a risk level and under the **Enabled** field select whether to enable to disable the signature and then click the **Add** button (**Figure 12**).

Note that signatures can be added by not necessarily enabled.

Figure 12

Add Signature Database

Malware Feed
sanesecurity

Database
MiscreantPunch099-INFO-Low.ldb

Description
ruleset provides context to various files.

False Positive Risk
☐ Low
☐ Medium
☒ High

Enabled
☒ Yes
☐ No

Add

4. Continue adding signature databases as needed. When finished, click on the **Back to Feed Configuration** button to return to the **Sanesecurity Feed Configuration** page (**Figure 13**).

Figure 13

Back to Feed Configuration

4. Back on the **Sanesecurity Feed Configuration** page, click on the **Apply Settings** button on the bottom of the page to save the new database signature(s) you just added to the configuration (**Figure 14**).

Figure 14

Apply Settings

Delete or disable Sanesecurity Databases

Deleting a database will completely remove all the database signatures from the ClamAV configuration. Note that if you delete all of the database for a particular feed, the feed will be effectively disabled.

Disabling a database will prevent the system from downloading signature updates for that particular database on the Signature Feed update interval. However, the signatures (albeit old ones) will still be part of the ClamAV configuration.

1. Place a checkmark on the checkbox under **Enabled** column if you wish to disable a database or the **Delete (Check to Delete)** column if you wish to delete the database of one or more database(s) (**Figure 15**).

Figure 15

Sanesecurity Databases

Add Sanesecurity Database				
Enabled	Database Name	Description	False Positive Risk	Delete (Check to Delete)
<input type="checkbox"/>	junk.ndb	SANESECURITY DATABASE - General high hitting junk, containing spam/phishing/lottery /jobs/419s etc	LOW	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	jurlbl.ndb	SANESECURITY DATABASE - Junk Url based	LOW	<input type="checkbox"/>
<input checked="" type="checkbox"/>	phish.ndb	SANESECURITY DATABASE - Phishing	LOW	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	rogue.hdb	SANESECURITY DATABASE - Malware, Rogue anti-virus software and Fake codecs etc. Updated hourly to cover the latest malware threats. Please send any Undetected virus samples to samples@sanesecurity.me.uk	LOW	<input type="checkbox"/>
<input checked="" type="checkbox"/>	scam.ndb	SANESECURITY DATABASE - Spam/scams	LOW	<input type="checkbox"/>
<input checked="" type="checkbox"/>	spamimg.hdb	SANESECURITY DATABASE - Spam images	LOW	<input type="checkbox"/>

2. Click on the **Apply Settings** button on the bottom of the database listing to apply your setting to the ClamAV configuration (**Figure 16**) .

Figure 16


Apply Settings

SecuriteInfo

SecuriteInfo.com is a french computer security company. They provide state-of-the-art technologies to deliver security audits and products, like vulnerability audits for websites, network audits and firewall/proxy appliances. More information can be found at

<https://www.securiteinfo.com/>.

Enable and configure SecuriteInfo feed

1. Click on the  icon under the **Configure** column of the **securiteinfo** entry.
2. Sign up for an account at <https://www.securiteinfo.com/clients/customers/signup>.
3. You will receive an activation e-mail and after a succesful activation, you will receive an e-mail with your login name and a temporary password.
4. Login to your newly created account at <https://www.securiteinfo.com/clients/customers/account> and click on the **Setup** tab.
5. In the **Setup** tab, you will see a listing of Database Custom URLs like the example below:

DatabaseCustomURL

<http://www.securiteinfo.com/get/signatures/fdag7f8vga2s822yqr4mit0dyu7qahji1r91ke2rffsta0ry3qw2cdyerh9c937cwmd0eyg3d1c0rpjy2ybb6rtz5apke6c04dnjmdh1mre3nsdo2bdsatbt r7hl798c/securiteinfo.hdb>

1. The bold 128-character string from the example above represents your unique **SecuriteInfo Authorization Signature**.
6. On the **SecuriteInfo Feed Configuration** page under the **SecuriteInfo** section, ensure **Enabled** is selected (SecuriteInfo is disabled by default).
7. Copy the 128-character string (Ensure you copy **ONLY the string** NOT the URL) from **Step 6** and paste it under the **SecuriteInfo Authorization Signature** field, **Ensure you enter your own 128-character string and don't use the number from the example above**.
8. Under the **SecuriteInfo Database Update Interval**, adjust the update interval as needed. The default is **4 hours**. Change the interval with caution, because some feeds will ban your IP address if you connect for updates too often (**Figure 17**).

Figure 17

SecuriteInfo Feed

- ☒ Enabled
☐ Disabled

SecuriteInfo Authorization Signature

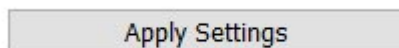
e6c04dnjmdh1mre3nsdo2bdsatbt r7hl79

SecuriteInfo Database Update Interval (Default is 4 Hours for a total of 6 downloads a day. Change with caution, changing the interval can get you banned)

4 Hours ▾

4. Click on the **Apply Settings** button on the bottom of the page to apply your changes (**Figure 18**).

Figure 18



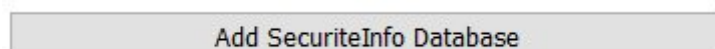
Add SecuriteInfo Databases

Hermes SEG already comes preconfigured with the safest SecuriteInfo signatures (Low False Positive Risk). Additional SecuriteInfo signatures can be found by either logging in your [SecuriteInfo account](#) and then going under **Setup** or the [Sanesecurity signatures website](#) under the SecuriteInfo section.

Note: Adding or enabling databases that have a False Positive Risk of Medium or High can lead to false positives. Use those databases with caution.

1. Click on the  icon under the **Configure** column of the **securiteinfo** entry.
2. On the **SecuriteInfo Feed Configuration** page click on the **Add SecuriteInfo Database** button (**Figure 19**).

Figure 19



3. On the **Add Signature Database** page, under the **Database** field, enter the signature you wish to add, under the **Description** field enter a description for the database, under the **False Positive Risk** field select a risk level and under the **Enabled** field select whether to enable to disable the signature and then click the **Add** button (**Figure 12**).
Note that signatures can be added by not necessarily enabled.

Figure 20

Add Signature Database

Malware Feed

securiteinfo

Database

securiteinfoandroid.hdb

Description

Android Hashes

False Positive Risk

- ☒ Low
☐ Medium
☐ High

Enabled

- ☒ Yes
☐ No

Add

- Continue adding signature databases as needed. When finished, click on the **Back to Feed Configuration** button to return to the **SecuriteInfo Feed Configuration** page (**Figure 21**).

Figure 21

Back to Feed Configuration

- Back on the **SecuriteInfo Feed Configuration** page, click on the **Apply Settings** button on the bottom of the page to save the new database signature(s) you just added to the configuration (**Figure 22**).

Figure 22

Apply Settings

Delete or disable SecuriteInfo Databases

Deleting a database will completely remove all the database signatures from the ClamAV configuration. Note that if you delete all of the database for a particular feed, the feed will be effectively disabled.

Disabling a database will prevent the system from downloading signature updates for that particular database on the Signature Feed update interval. However, the signatures (albeit old ones) will still be part of the ClamAV configuration.

1. Place a checkmark on the checkbox under **Enabled** column if you wish to disable a database or the **Delete (Check to Delete)** column if you wish to delete the database of one or more database(s) (**Figure 23**). **Note that you should NEVER disable or remove the securiteinfo.ign2 signature database from the configuration or the SecuriteInfo feed will stop working.**

Figure 23

SecuriteInfo Databases

Add SecuriteInfo Database

Enabled	Database Name	Description	False Positive Risk	Delete (Check to Delete)
<input checked="" type="checkbox"/>	securiteinfo.ign2	*** REQUIRED!! DO NOT DISABLE IF USING SECURITEINFO FEED ***	LOW	<input type="checkbox"/>
<input checked="" type="checkbox"/>	securiteinfo.hdb	Malwares in the Wild	LOW	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	javascript.ndb	Malwares Javascript	LOW	<input type="checkbox"/>
<input checked="" type="checkbox"/>	securiteinfohtml.hdb	Malwares HTML	LOW	<input type="checkbox"/>
<input type="checkbox"/>	securiteinfoascii.hdb	Text file malwares (Perl or shell scripts, bat files, exploits, ...) Text file malwares (Perl or shell scripts, bat files, exploits, ...)	LOW	<input type="checkbox"/>
<input checked="" type="checkbox"/>	securiteinfopdf.hdb	Malwares PDF	LOW	<input type="checkbox"/>
<input type="checkbox"/>	spam_marketing.ndb	Spam Marketing / spammer blacklist	HIGH	<input type="checkbox"/>

Apply Settings

2. Click on the **Apply Settings** button on the bottom of the database listing to apply your setting to the ClamAV configuration (**Figure 24**) .

Figure 24

Apply Settings

YaraRules

This project covers the need of a group of IT Security Researches to have a single repository where different Yara signatures are compiled, classified and kept as up to date as possible, and begin as an open source community for collecting Yara rules. The Yara ruleset is under the GNU-GPLv2 license and open to any user or organization, as long as you use it under this license. More information can be found at

<https://github.com/Yara-Rules/rules>.

Enable YaraRules feed and adjust update interval


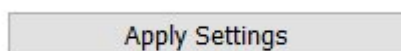
1. Click on the  icon under the **Configure** column of the **yararules** entry.
2. On the **YaraRules Feed Configuration** page under the **YaraRules Feed** section, ensure **Enabled** is selected (YaraRules is enabled by default).
3. Under the **YaraRules Database Update Interval**, adjust the update interval as needed. The default is **24 hours**. Change the interval with caution, because some feeds will ban your IP address if you connect for updates too often (**Figure 25**).

Figure 25



4. Click on the **Apply Settings** button on the bottom of the page to apply your changes (**Figure 26**).

Figure 26



Add YaraRules Databases

Hermes SEG already comes preconfigured with the safest YaraRules signatures (Low False Positive Risk). Additional YaraRules signatures at the [YaraRules Github Page](#). It's important to note that when adding database signatures from the YaraRules Github page, that you include the directory it's under if applicable. For example, consider the following database signature:

Malicious_Documents/Maldoc_APT_OLE_JSRat.yar. If you were to add that to the YaraRules configuration, ensure you include **Malicious_Documents/** part before the database signature .

Note: Adding or enabling databases that have a False Positive Risk of Medium or High can lead to false positives. Use those databases with caution.


1. Click on the  icon under the **Configure** column of the **yararules** entry.
2. On the **YaraRules Feed Configuration** page click on the **Add YaraRules Database** button (**Figure 27**).

Figure 27

Add YaraRules Database

- On the **Add Signature Database** page, under the **Database** field, enter the signature you wish to add, under the **Description** field enter a description for the database, under the **False Positive Risk** field select a risk level and under the **Enabled** field select whether to enable to disable the signature and then click the **Add** button (**Figure 28**).

Note that signatures can be added by not necessarily enabled.

Figure 28

Add Signature Database

Malware Feed

yararules

Database

Description

False Positive Risk

- ☒ Low
☐ Medium
☐ High

Enabled

- ☒ Yes
☐ No

Add

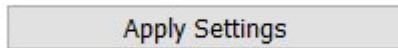
- Continue adding signature databases as needed. When finished, click on the **Back to Feed Configuration** button to return to the **Linux Malware Detect Feed Configuration** page (**Figure 29**).

Figure 29

Back to Feed Configuration

- Back on the **Linux Malware Detect Feed Configuration** page, click on the **Apply Settings** button on the bottom of the page to save the new database signature(s) you just added to the configuration (**Figure 30**).

Figure 30



Delete or disable YaraRules Databases

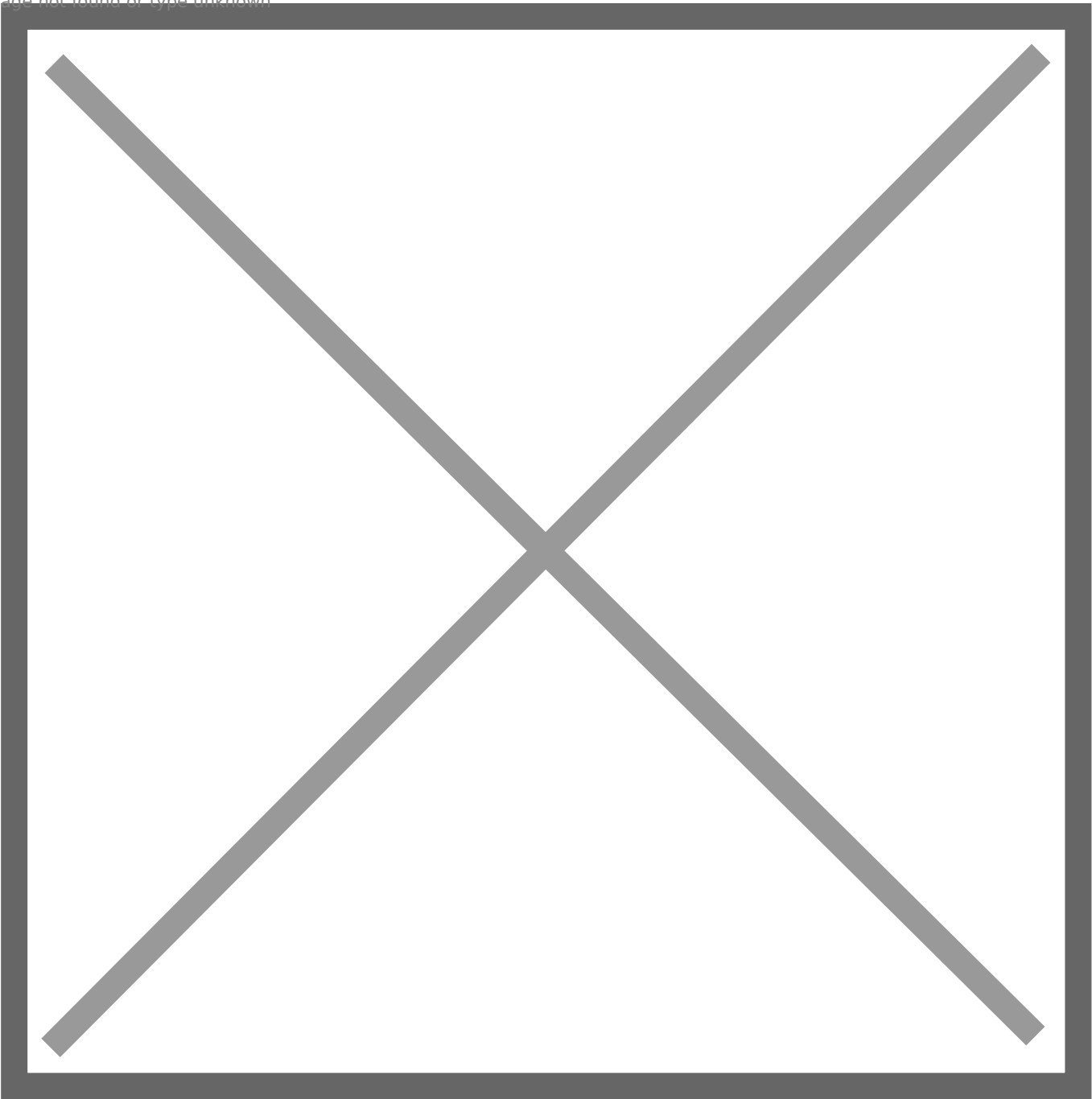
Deleting a database will completely remove all the database signatures from the ClamAV configuration. Note that if you delete all of the database for a particular feed, the feed will be effectively disabled.

Disabling a database will prevent the system from downloading signature updates for that particular database on the Signature Feed update interval. However, the signatures (albeit old ones) will still be part of the ClamAV configuration.

1. Place a checkmark on the checkbox under **Enabled** column if you wish to disable a database or the **Delete (Check to Delete)** column if you wish to delete the database of one or more database(s).
2. Click on the **Apply Settings** button to apply your setting to the ClamAV configuration (**Figure 31**).

Figure 31

Image not found or type unknown



YaraRules Databases

Enabled	Database Name	Description	False Positive Risk	Delete (Check to Delete)
<input type="checkbox"/>	packer.yar	well-known software packers	MEDIUM	<input type="checkbox"/>
<input type="checkbox"/>	crypto.yar	detect the existence of cryptographic algoritms	HIGH	<input type="checkbox"/>
<input checked="" type="checkbox"/>	email/EMAIL_Cryptowall.yar	email/EMAIL_Cryptowall.yar	LOW	<input type="checkbox"/>
<input checked="" type="checkbox"/>	malware/RANSOM_Petya.yar	Detects Petya Ransomware	LOW	<input type="checkbox"/>
<input checked="" type="checkbox"/>	malware/RANSOM_Petya_MS17_010	Probable PETYA ransomware using ETERNALBLUE, WMIC, PsExec	LOW	<input type="checkbox"/>

Apply Settings

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