

RBL Configuration

A RBL (Real Time Block List) is a mechanism for determining the reputation of a sender IP address by looking up the sender IP through various RBLs that are configured in the system. RBL lookups are performed using DNS. The reputation of an IP is determined by assigning a score to a sender IP address. The higher the score, the lower the reputation. Once a certain score threshold is reached, the sender IP address is not allowed to send email to the system. The RBL threshold score is configured under **Content Checks --> Perimeter Checks --> Realtime Block/Allow Lists Threshold Score**.

There are two types of RBLs configured in Hermes SEG; **Block type** and **Allow type**. Block type RBLs are assigned a positive integer for weight and allow type RBLs are assigned a negative integer for weight.

Each RBL added to the system is assigned a weight based on the perceived effectiveness of that particular RBL. Each time a sender IP is matched against a RBL, a score is assigned to that IP depending on the weight of that RBL. For example, if a sender IP address matched against a block type RBL with a weight of 3 and also matched against a block type RBL with a weight of 1, but then matched against an allow type RBL with a weight of -1, then the RBL score for that IP address would be 3. So, if the RBL threshold score configured is 4, then that sender IP would be allowed to deliver email since sender IP reputation of 3 is lower than the RBL threshold score of 4.

There are many RBLs in existence today varying in degree of effectiveness and reputation. Thus which RBLs you choose to use can make a big difference in the effectiveness of Hermes SEG to identify IPs with poor reputation.

The following is a list of RBLs we can recommend:

Block Type RBLs

- zen.spamhaus.org
- b.barracudacentral.org --> Requires registration at <http://barracudacentral.org/rbl>
- bl.mailspike.net
- bl.spamcop.net
- dnsbl.sorbs.net
- psbl.surriel.com
- bl.spameatingmonkey.net

Allow Type RBLs

- list.dnswl.org
- wl.mailspike.net

Add Realtime Block List

1. Under the **Select the type of entry...** ensure **Block List** is selected.
2. Under the **Block List** field, enter the block list host name.
3. Under the **Weight** field enter a **positive integer** to assign as a weight to this RBL (if you do not enter a weight, a weight of 1 will be automatically assigned).
4. Click the **Add** button (**Figure 1**).

Figure 1

Realtime Block/Allow Lists

Add Realtime Block/Allow Lists

Select the type of entry (Block List or Allow List) you wish to add below and proceed adding your entry into the Real Time Block/Allow Lists.

- ☒ Block List
☐ Allow List

When adding a **weight** for a **Block List** ensure the weight is a positive integer Ex. 4

Block List	Weight	
<input type="text" value="bl.domain.tld"/>	<input type="text" value="3"/>	<input type="button" value="Add"/>

5. Each RBL entry you add shows up in the **Realtime Block/Allow List(s) to be added** section (**Figure 2**).

Figure 2

Realtime Block/Allow List(s) to be added

bl.domain.tld*3 ---> TO BE ADDED

✔ **Block List ready to be added. Please click the Apply Settings to add the Block List to the system and apply your changes**

6. Continue adding RBL entries as needed. When finished, click on the **Apply Settings** button on the bottom of the page (**Figure 3**).

Figure 3

Add Realtime Allow List

1. Under the **Select the type of entry...** ensure **Allow List** is selected.
2. Under the **Allow List** field, enter the allow list host name.
3. Under the **Arguments** field, enter any arguments for the allow list if required.
4. Under the **Weight** field enter a **negative integer** to assign as a weight to this RBL (if you do not enter a weight, a weight of 1 will be automatically assigned which will in effect invalidate the allow list so ensure you enter a negative integer).
5. Click the **Add** button (**Figure 4**).

Figure 4

Realtime Block/Allow Lists

Add Realtime Block/Allow Lists

Select the type of entry (Block List or Allow List) you wish to add below and proceed adding your entry into the Real Time Block/Allow Lists.

- ☐ Block List
- ☒ Allow List

When adding a weight for a Block List ensure the weight is a positive integer Ex. 4

Block List	Weight	
<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>

When adding a weight for an Allow List, ensure the weight is a negative integer Ex. -4. Allow lists can also accept Arguments such as =127.[0..255].[0..255].[2..255]. Arguments are not required and greatly depend on the Allow List you are using.

Allow List	Arguments	Weight	
<input type="text" value="wl.domain.tld"/>	<input type="text" value="=127.[0..255].[0..255].[2..255].0"/>	<input type="text" value="-1"/>	<input type="button" value="Add"/>

6. Each RBL entry you add shows up in the **Realtime Block/Allow List(s) to be added** section (**Figure 5**).

Figure 5

Realtime Block/Allow List(s) to be added

wl.domain.tld=127.[0..255].[0..255].[2..255].0*-1 ---> TO BE ADDED ^

✔ Allow List ready to be added. Please click the Apply Settings to add the Allow List to the system and apply your changes

7. Continue adding RBL entries as needed. When finished, click on the **Apply Settings** button on the bottom of the page (**Figure 6**).

Figure 6

Apply Settings

Delete RBL

1. Under the **Delete Realtime Block/Allow Lists** section, select the entry you wish to delete and click the **Delete** button below (**Figure 7**). **Note that only one entry can be selected to be deleted at a time.**

Figure 7

Delete Realtime Block/Allow Lists

Select entry from the list below and click the Delete button to remove a particular list. NOTE: The lists are shown with the weight assigned to each particular list.

b.barracudacentral.org // 3

bl.domain.tld // 3

==== ALLOW LISTS ====

list.dnswl.org=127.[0..255].[0..255].0 // -2

list.dnswl.org=127.[0..255].[0..255].1 // -3

Delete

2. Each entry you select to be deleted shows up in the **Permitted Relay IPs/Network to be deleted** section (**Figure 8**).

Figure 8

Realtime Block/Allow List(s) to be deleted

bl.domain.tld*3 ---> TO BE DELETED

wl.domain.tld=127.[0..255].[0..255].[2..255].0*-1 ---> TO BE DELETED

Cancel All Delete

✓ Block/Allow List ready to be deleted. Please click the Apply Settings to apply your changes

3. Continue selecting entries to be deleted as needed. When finished, click on the **Apply Settings** button on the bottom of the page (**Figure 9**).

Figure 9

Apply Settings

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