

## NethServer 6 - Feature #3302

### Use DNSBL to fight spam

10/30/2015 11:13 AM - Filippo Carletti

<b>Status:</b> CLOSED	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 100%
<b>Category:</b> nethserver-mail-filter	
<b>Target version:</b> v6.7	
<b>Resolution:</b>	<b>NEEDINFO:</b> No
<b>Description</b> DNS block list can be used to block spam in two ways: 1. at connection stage 2. as spamassassin rules  Method 1 is already implemented blocking SMTP connections from listed spammer servers. Method 2 is the subject of this issue.	
<b>Related issues:</b> Related to NethServer 6 - Feature # 3294: Add unbound as DNS resolver for DNSBLs <b>CLOSED</b>	

#### Associated revisions

Revision cb1395c2 - 10/30/2015 11:21 AM - Filippo Carletti

mail-filter: support DNSBL. Refs #3302

#### History

**#1 - 10/30/2015 11:14 AM - Filippo Carletti**

- Related to Feature #3294: Add unbound as DNS resolver for DNSBLs added

**#2 - 10/30/2015 11:19 AM - Filippo Carletti**

- Status changed from NEW to TRIAGED

- Assignee set to Filippo Carletti

- % Done changed from 0 to 20

To use DNSBL in spamassassin we need:

1. a resolver (see related issue)
2. some custom rules for spamassassin
3. integrating unbound with dnsmasq

Links:

<http://www.pccc.com/downloads/SpamAssassin/contrib/KAM.cf>

<http://vdhout.nl/2015/05/additional-spamassassin-dnsbls>

**#3 - 10/30/2015 11:19 AM - Filippo Carletti**

- Status changed from TRIAGED to ON\_DEV

- % Done changed from 20 to 30

**#4 - 10/30/2015 11:29 AM - Filippo Carletti**

- Status changed from ON\_DEV to MODIFIED

- Assignee deleted (Filippo Carletti)

- % Done changed from 30 to 60

#### #5 - 10/30/2015 11:39 AM - Filippo Carletti

- Status changed from MODIFIED to ON\_QA

- % Done changed from 60 to 70

In nethserver-testing:

nethserver-mail-filter-1.3.3-1.3.gcb1395c.ns6.noarch.rpm

#### Test case 1 - fresh nethserver installation

Prior to update check that DNSBL queries fail (they usually do if you set the DNS to 8.8.8.8 or your ISP DNS)

```
# host -tTXT 2.0.0.127.multi.uribl.com
2.0.0.127.multi.uribl.com descriptive text "127.0.0.1 -> Query Refused. See http://uribl.com/refused.shtml for more information [Your DNS IP:
74.125.181.194]"
```

Install nethserver-mail-filter from nethserver-testing and check again:

```
# host -tTXT 2.0.0.127.multi.uribl.com
2.0.0.127.multi.uribl.com descriptive text "permanent testpoint"
```

Also, update should install as a dependency nethserver-unbound.

/var/log/messages should show:

```
Oct 30 16:25:19 nscom dnsmasq[5115]: using nameserver 127.0.0.1#10053 for domain spamhaus.org
Oct 30 16:25:19 nscom dnsmasq[5115]: using nameserver 127.0.0.1#10053 for domain dnswl.org
Oct 30 16:25:19 nscom dnsmasq[5115]: using nameserver 127.0.0.1#10053 for domain uribl.com
```

#### Test case 2 - update a nethserver already using the mail server filter

As above, check uribl before and after upgrade.

Then receive some emails and check both email headers and /var/log/maillog.

#### #6 - 11/04/2015 05:29 AM - Alessio Fattorini

- Assignee set to Alessio Fattorini

#### #7 - 11/05/2015 06:23 AM - Alessio Fattorini

#### Test case 2 - fresh install

##### System and Package Version installed

NethServer 6.7 fresh installation

Package Installed: nothing

Other Package installed: nothing

### Test Original Problem

```
host -tTXT 2.0.0.127.multi.ribrl.com
2.0.0.127.multi.ribrl.com descriptive text "127.0.0.1 -> Query Refused. See http://ribrl.com/refused.shtml
```

### Install Updated Package

```
yum --enablerepo=nethserver-testing install nethserver-mail-filter
```

### Test Results after update

```
[root@localhost ~]# host -tTXT 2.0.0.127.multi.ribrl.com
2.0.0.127.multi.ribrl.com descriptive text "permanent testpoint"
```

messages:

```
Nov 4 18:14:32 localhost dnsmasq[671]: using nameserver 127.0.0.1#10053 for domain spamhaus.org
Nov 4 18:14:32 localhost dnsmasq[671]: using nameserver 127.0.0.1#10053 for domain dnswwl.org
Nov 4 18:14:32 localhost dnsmasq[671]: using nameserver 127.0.0.1#10053 for domain ibrbl.com
Nov 4 18:14:32 localhost dnsmasq[671]: using nameserver 8.8.8.8#53
```

### Verified Or Reopen

Verified Test case 2

### **#8 - 11/05/2015 07:04 AM - Alessio Fattorini**

- Status changed from *ON\_QA* to *VERIFIED*  
- % Done changed from 70 to 90

### System and Package Version installed

```
...
Package Installed: nethserver-mail-filter.noarch 0:1.3.3-1.ns6
Other Package installed: ...
```

### Test Original Problem

```
host -tTXT 2.0.0.127.multi.ribrl.com
2.0.0.127.multi.ribrl.com descriptive text "127.0.0.1 -> Query Refused. See http://ribrl.com/refused.shtml for more information [Your DNS IP: 74.125.181.31]"
```

### Install Updated Package

```
yum --enablerepo=nethserver-testing update nethserver-mail-filter
```

## Test Results after update

```
host -tTXT 2.0.0.127.multi.ribrl.com
2.0.0.127.multi.ribrl.com descriptive text "permanent testpoint"
```

## messages

```
Nov 5 12:02:16 localhost dnsmasq[3782]: using nameserver 127.0.0.1#10053 for domain spamhaus.org
Nov 5 12:02:16 localhost dnsmasq[3782]: using nameserver 127.0.0.1#10053 for domain dnswl.org
Nov 5 12:02:16 localhost dnsmasq[3782]: using nameserver 127.0.0.1#10053 for domain ibril.com
Nov 5 12:02:16 localhost dnsmasq[3782]: using nameserver 8.8.8.8#53
```

## Verified Or Reopen

### **Verified test Case 2**

#### **#9 - 11/10/2015 03:08 AM - Giacomo Sanchietti**

- Assignee deleted (*Alessio Fattorini*)

#### **#10 - 11/10/2015 06:35 AM - Giacomo Sanchietti**

- Status changed from *VERIFIED* to *CLOSED*

- % Done changed from *90* to *100*

Released in nethserver-updates:

- nethserver-mail-filter-1.3.4-1.ns6.noarch.rpm