

## NethServer 6 - Enhancement #3135

### Postfix: in-memory address verification database

04/28/2015 09:29 AM - Davide Principi

<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-common	
<b>Target version:</b> v6.6	
<b>Resolution:</b>	<b>NEEDINFO:</b> No
<b>Description</b>	
The address verification database is now stored on disk, in /var/lib/postfix/verify.db.  It can be reset on postfix reload, preventing any possible disalignment with actual accounts, by storing it in memory.  See <a href="http://www.postfix.org/postconf.5.html#address_verify_map">http://www.postfix.org/postconf.5.html#address_verify_map</a>	
<b>Related issues:</b>	
Related to NethServer 6 - Task # 1356: Address verification on Relay hosts	<b>CLOSED</b> 07/27/2012 07/27/2012
Related to NethServer 6 - Enhancement # 3347: Disable Postfix address_verify_...	<b>CLOSED</b>

#### Associated revisions

Revision 047ba6ad - 06/11/2015 08:36 AM - Davide Principi

Use in-memory DB for address verification. Refs #3135

#### History

#1 - 04/28/2015 10:13 AM - Davide Principi

- Related to Task #1356: Address verification on Relay hosts added

#2 - 06/11/2015 08:10 AM - Davide Principi

- Status changed from TRIAGED to ON\_DEV

- Assignee set to Davide Principi

- % Done changed from 20 to 30

#3 - 06/11/2015 09:04 AM - Davide Principi

- Status changed from ON\_DEV to MODIFIED

- Assignee deleted (Davide Principi)

- % Done changed from 30 to 60

#### Test case

- Take note of verify.db modification date:

```
# stat /var/lib/postfix/verify.db
File: `/var/lib/postfix/verify.db'
Size: 90112    Blocks: 176    IO Block: 4096  regular file
Device: fd01h/64769d  Inode: 9176011  Links: 1
Access: (0644/-rw-r--r--)  Uid: ( 89/ postfix)  Gid: ( 89/ postfix)
Access: 2015-06-11 14:39:15.557129531 +0200
Modify: 2015-06-11 14:39:15.557129531 +0200
```

Change: 2015-06-11 14:39:15.557129531 +0200

- upgrade to modified version
- send an email *from an external SMTP client on port 25* to a locally delivered mailbox
- In `/var/log/maillog` appears a line containing cache internal, like this:  
Jun 11 13:01:18 vm3 postfix/verify[11042]: cache internal:verify full cleanup: retained=0 dropped=0 entries

**#4 - 06/11/2015 09:05 AM - Davide Principi**

- Status changed from *MODIFIED* to *ON\_QA*
- % Done changed from 60 to 70

In nethserver-testing:

nethserver-mail-common-1.4.5-1.1.g047ba6a.ns6.noarch.rpm

**#5 - 06/13/2015 12:40 PM - Vasco Castelo Branco**

- Assignee set to *Vasco Castelo Branco*

**#6 - 06/16/2015 02:44 PM - Vasco Castelo Branco**

Can not verify.

verify.db does not exist in `/var/lib/postfix`

My Test

Clean Install and full update

Installation of File server, email and SMTP connector

**#7 - 06/17/2015 03:49 AM - Davide Principi**

Vasco Castelo Branco wrote:

| *verify.db does not exist in /var/lib/postfix*

What does ``rpm -qi nethserver-mail-common`` says?

| *Clean Install and full update*

Did you update with nethserver-testing repo enabled?

**#8 - 06/18/2015 11:55 AM - Vasco Castelo Branco**

`rpm -qi nethserver-mail-common`

Name : nethserver-mail-common Relocations: (not relocatable)  
Version : 1.4.5 Vendor: NethServer  
Release : 1.10.geacb265.ns6 Build Date: Tue 16 Jun 2015 01:47:36 PM WEST  
Install Date: Thu 18 Jun 2015 04:28:55 PM WEST Build Host: davidep1.nethesis.it  
Group : Unspecified Source RPM: nethserver-mail-common-1.4.5-1.10.geacb265.ns6.src.rpm  
Size : 113963 License: GPL  
Signature : DSA/SHA1, Tue 16 Jun 2015 01:47:40 PM WEST, Key ID e23a79e1f25b5f70  
URL : <http://dev.nethserver.org/projects/nethserver/wiki/nethserver-mail-common>  
Summary : Common configuration for mail packages  
Description :  
Common configuration for mail packages, based on Postfix.

Install

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

#### #9 - 06/19/2015 09:06 AM - Davide Principi

Davide Principi wrote:

*Vasco Castelo Branco wrote:*

*verify.db does not exist in /var/lib/postfix*

Maybe the verify.db file does not exist in a pristine installation and is created the first time a message is delivered.

~~So you should check an "existing" mail server. To replicate a such one config this could be a procedure:~~

- ~~- install nethserver-mail-server from nethserver-updates-repo~~
- ~~- send a mail to a local account~~
- ~~- check verify.db existence~~
- ~~- start test case~~

#### #10 - 06/22/2015 10:21 AM - Vasco Castelo Branco

Install and update NethServer (main repo)

Install File server and email

Configure email and domain

Configure user1 and user2

Send a mail from user1 to user2 sucefully

Reply from user2 to user1 sucefully

Verifyfy.db does not exist

#### #11 - 06/22/2015 10:23 AM - Vasco Castelo Branco

Is not present at my main server also

#### #12 - 06/22/2015 10:29 AM - Davide Principi

Vasco Castelo Branco wrote:

| *Is not present at my main server also*

Could you attach /etc/postfix/main.cf?

**#13 - 06/22/2015 12:47 PM - Vasco Castelo Branco**

- File main.cf added

/etc/postfix/main.cf

**#14 - 06/23/2015 04:17 AM - Davide Principi**

- Assignee changed from Vasco Castelo Branco to Giacomo Sanchietti

I don't see anything strange in attachment:main.cf. Before investigating further Vasco's setup, I'd ask Giacomo to test this issue on his side, too.

I've done some tests on real mail servers (!) and seemed all ok, so I'm pretty sure I'm missing something in my test case instructions that replicates the expected environment.

**#15 - 06/24/2015 11:26 AM - Davide Principi**

This is the new procedure to trigger mail address verification (and subsequent verify.db creation).

[So you should check an "existing" mail server. To replicate a such one config this could be a procedure]

- clean NethServer 6.6 installation
- yum install @nethserver-mail
- create an *Email address* for admin
- connect to port 25 **from a different host** and send a mail. This is a sample nc SMTP session:

```
$ nc -C 192.168.122.179 25
220 vm5.vnet1.tld ESMTP Postfix
ehlo gmail.com
250-vm5.vnet1.tld
250-PIPELINING
250-SIZE 20000000
250-VRFY
250-ETRN
250-STARTTLS
250-ENHANCEDSTATUSCODES
250-8BITMIME
250 DSN
mail from: <me@gmail.com>
250 2.1.0 Ok
rcpt to: <admin@vnet1.tld>
250 2.1.5 Ok
data
354 End data with <CR><LF>.<CR><LF>
```

250 2.0.0 from MTA(smtp:[127.0.0.1]:10025): 250 2.0.0 Ok: queued as 6DB4D2968  
quit

- check verify.db existence
- start test case

**#16 - 06/24/2015 11:42 AM - Giacomo Sanchietti**

- Status changed from *ON\_QA* to *VERIFIED*
- Assignee deleted (*Giacomo Sanchietti*)
- % Done changed from 70 to 90

**#17 - 06/24/2015 11:45 AM - Davide Principi**

- Status changed from *VERIFIED* to *CLOSED*
- % Done changed from 90 to 100

In nethserver-updates:

nethserver-mail-common-1.5.0-1.ns6.noarch.rpm

**#18 - 02/01/2016 10:56 AM - Davide Principi**

- Related to Enhancement #3347: *Disable Postfix address\_verify\_negative\_cache* added

**Files**

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main.cf	5.02 KB	06/22/2015	Vasco Castelo Branco
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