

## NethServer 6 - Bug #3431

### MultiWAN provider remains disabled after failure

11/15/2016 12:06 PM - 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-lsm	
<b>Target version:</b> v6.8	
<b>Security class:</b>	<b>Resolution:</b>
<b>Affected version:</b>	<b>NEEDINFO:</b> No
<b>Description</b>	
<p>Sometimes, after a link failure, a provider in a multiwan setup doesn't come up after the problem is resolved. I'm able to reproduce this issue only using a specific adsl router (leased by a big Italian isp).</p> <p>Steps to reproduce:</p> <ol style="list-style-type: none"><li>1. in a multiwan setup simulate a failure disconnecting the cable from red to adsl modem</li><li>2. apply some changes to the firewall, I use <i>restart lsm</i></li><li>3. wait and see: the provider never comes back (I use <i>shorewall status -i</i>)</li></ol> <p>I found that LSM (Link Status Monitor) uses arp packets instead of icmp to discover link status in this scenario. I also found that configuring LSM to use the sourceip address of the network interface forces icmp packets, solving the issue.</p>	

#### Associated revisions

##### Revision 3b6aa75d - 11/16/2016 07:16 AM - Giacomo Sanchietti

lsm.conf: use sourceip when available. Refs #3431

##### Revision af7bc4e - 11/16/2016 08:27 AM - Filippo Carletti

lsm-wan-notify: do not notify link down on lsm restart. Refs #3431

##### Revision 91fb1e2a - 11/16/2016 08:54 AM - Filippo Carletti

lsm-wan-notify: do not notify link down on lsm restart. Refs #3431

##### Revision 9d150f3b - 11/16/2016 09:00 AM - Giacomo Sanchietti

lsm.conf: use sourceip when available. Refs #3431

##### Revision 8974c30e - 11/16/2016 11:35 AM - Filippo Carletti

lsm.conf: use empty sourceip for dynamic links (PPPoE). Refs #3431

##### Revision 42e95541 - 01/26/2017 12:25 PM - Filippo Carletti

lsm.conf: use empty sourceip for dynamic links (PPPoE). Refs #3431

**Revision 01cc1e55 - 01/26/2017 12:30 PM - Giacomo Sanchietti**

Merge pull request #5 from filippocarletti/master

lsm.conf: use empty sourceip for dynamic links (PPPoE). Refs #3431

## History

---

**#1 - 11/15/2016 12:14 PM - Filippo Carletti**

Note: while testing, I found that lsm notifies **link down** on every restart (while it doesn't, in case of link up due to the unknown\_up\_notify option).

**#2 - 11/16/2016 07:16 AM - Giacomo Sanchietti**

- Status changed from *NEW* to *TRIAGED*
- % Done changed from 0 to 20

**#3 - 11/16/2016 07:16 AM - Giacomo Sanchietti**

- Status changed from *TRIAGED* to *ON\_DEV*
- % Done changed from 20 to 30

**#4 - 11/16/2016 09:06 AM - Filippo Carletti**

- Status changed from *ON\_DEV* to *MODIFIED*
- % Done changed from 30 to 60

**#5 - 11/16/2016 09:15 AM - Filippo Carletti**

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

In nethserver-testing:

nethserver-lsm-1.1.2-1.2.gaf7fbc4.ns6.noarch.rpm

Test case:

1. update
2. simulate link failure
3. restart lsm
4. re-establish link

Expected behaviour:

1. if mail notification is enabled, you should receive one down mail on link failure and one up mail on link connection
2. you shouldn't receive email when you restart lsm
3. shorewall status -i should report real status

All tests should be repeated on a system where one of the uplink uses a dhcp dynamic address and one where pppoe is used.

**#6 - 11/16/2016 11:11 AM - Filippo Carletti**

- Status changed from *ON\_QA* to *TRIAGED*
- % Done changed from 70 to 20

PPPoE is no longer monitored after update.

**#7 - 11/16/2016 11:35 AM - Filippo Carletti**

- Status changed from *TRIAGED* to *MODIFIED*

- % Done changed from 20 to 60

**#8 - 11/16/2016 11:37 AM - Filippo Carletti**

- Status changed from *MODIFIED* to *ON\_QA*

- % Done changed from 60 to 70

Updated package:

nethserver-lsm-1.1.2-1.3.g8974c30.ns6.noarch.rpm

**#9 - 11/22/2016 09:33 AM - Davide Marini**

- Status changed from *ON\_QA* to *VERIFIED*

- % Done changed from 70 to 90

Tested in many different MultiWan configurations, the new rpm always solved the problem.

**#10 - 11/22/2016 12:18 PM - Giacomo Sanchietti**

- Status changed from *VERIFIED* to *CLOSED*

- % Done changed from 90 to 100

Released:

nethserver-lsm-1.1.3-1.ns6.noarch.rpm