FreeNAS - Bug #12571

LAG Network connectivity fails when adding iSCSI interfaces

11/30/2015 10:25 AM - Thomas Maerz

Status:	Closed		
Priority:	Important		
Assignee:	Josh Paetzel		
Category:	Middleware		
Target version:	N/A		
Seen in:	9.3.1-STABLE-201509282017	**Needs Merging:**	Yes
Severity:	New	**Needs Automation:**	No
Reason for Closing:		**Support Suite Ticket:**	n/a
Reason for Blocked:		**Hardware Configuration:**	
Needs QA:	Yes	**ChangeLog Required:**	No
Needs Doc:	Yes		

Description

When I assign a new iSCSI network interface, the management network interface stops responding to pings and won't come back up until I reboot. Also, when initially adding the LAG I have sometimes needed a reboot in order to get it to come up properly and accept a DHCP lease.

Steps to reproduce:

- Install up new FreeNAS install (latest version FreeNAS-9.3-STABLE-201509282017) with 4 supported network cards
- Configure Link Aggregate Group for 2 network cards
- LAG does not come up, reboot, LAG comes up, DHCP lease accepted
- Log into WebUI
- Add new network interface on separate iSCSI subnet with MTU 9000
- Dialog stuck on 'Please wait...', WebUI stops responding, LAG stops responding to pings, Switch reports LAG channel Active on both associated ports
- Reboot, LAG comes up, iSCSI interface works
- Add second iSCSI interface, reboot, etc.

I have reproduced this issue about 5 or 6 times on 3 different sets of hardware. I can provide whatever logs you'd like.

History

#1 - 11/30/2015 10:28 AM - Thomas Maerz

I would like to add that the systems performs perfectly stable once the interfaces are properly set up including coming up every time after reboots, etc.

#2 - 11/30/2015 10:31 AM - Josh Paetzel

A save debug would be the first step.

Are there an interfaces that are set for DHCP?

#3 - 11/30/2015 10:34 AM - Thomas Maerz

Josh,

The LAG is set up for DHCP, the iSCSI interfaces have static IPs. I will upload a save debug momentarily.

#4 - 11/30/2015 10:49 AM - Thomas Maerz

- File debug-storage2-20151130124921..tgz added

Debug tarball

#5 - 12/03/2015 01:25 PM - Josh Paetzel

- Status changed from Unscreened to Investigation

- Assignee set to Josh Paetzel

- Priority changed from No priority to Important

- Target version set to 261

#6 - 12/03/2015 01:31 PM - Josh Paetzel

Is the system you are accessing the GUI from on the same subnet that the FreeNAS box is on?

#7 - 12/03/2015 01:31 PM - Josh Paetzel

- Status changed from Investigation to 15

#8 - 12/03/2015 03:11 PM - Thomas Maerz

Josh,

The system I am accessing the GUI from is on the same subnet as the LAG (management interface). The iSCSI subnets are not accessible to the rest of the network or each other. So I have

LAG: 10.0.50.0/24 <--This is the only place I access the GUI, and that subnet is accessible from my management machine.
iSCSI 1: 10.3.0.0/24
iSCSI 2: 10.4.0.0/24

#9 - 12/04/2015 10:48 AM - Josh Paetzel

Ok, well that blows away my theory of a route is getting lost.

So, riddle me this.

Do you have remote console on these machines?
If yes, could we do a teamviewer session where you can get the FreeNAS system into the broken state where I can troubleshoot what is wrong on the remote console?

#10 - 12/09/2015 12:04 PM - Jason Brooks

Hello,

I can confirm this bug. Please see
https://forums.freenas.org/index.php?threads/link-aggregate-group-stops-working-when-adding-other-new-network-interfaces.39574.

rebooting the system builds the lagg interface correctly.

seen in FreeNAS-9.3-STABLE-201511280648

#11 - 12/15/2015 07:13 AM - Josh Paetzel

I need access to a system that is exhibiting this behavior. Preferably one with IPMI or serial access so I can see it when it's in it's broken state.

One of the challenges here is I use this config at home (LACP + MPIO for iSCSI) and I am unable to reproduce the problem.

#12 - 12/18/2015 02:43 PM - Thomas Maerz

It is going to be a while before I get some downtime, but I will let you know when I do and I can get you into the IPMI shell of the server.

#13 - 12/18/2015 03:03 PM - Jason Brooks

Hello,

I can do this: it does it on a test system as well as my live system. I will need to address this monday though: I am about leave for the weekend.

I have had some trouble with directly connecting freenas to the ipmi device, but I think I can at least network you into it...After all, I am also the network admin... :)

--jason

#14 - 01/04/2016 08:01 AM - Josh Paetzel

Any word on this?

#15 - 01/20/2016 10:34 AM - Thomas Maerz

I had a mirrored USB failure and experienced this again while setting the system back up. This time I tried configuring the LAGG from the GUI. Same result. I can't show the system in a broken state because this system only has iDRAC express which doesn't have an IPMI remote console feature unless you get iDRAC Enterprise licenses.

#16 - 03/16/2016 06:32 PM - Jordan Hubbard

- Target version changed from 261 to 49

This is a couple of months old - setting to FUTURE

#17 - 03/31/2016 08:48 PM - Jordan Hubbard

- Status changed from 15 to Closed

Timing out and closing

#18 - 07/19/2017 08:12 AM - Kris Moore

- Target version changed from 49 to N/A

#19 - 12/02/2017 10:24 AM - Dru Lavigne

- File deleted (debug-storage2-20151130124921..tgz)