

## FreeNAS - Bug #33294

### Fix traceback when adding a LAGG

05/09/2018 04:07 AM - thilo nesnidal

<b>Status:</b> Done	
<b>Priority:</b> No priority	
<b>Assignee:</b> William Grzybowski	
<b>Category:</b> Middleware	
<b>Target version:</b> 11.2-BETA1	
<b>Seen in:</b> 11.1-U4	<b>Needs Merging:</b> No
<b>Severity:</b> Medium	<b>Needs Automation:</b> No
<b>Reason for Closing:</b>	<b>Support Suite Ticket:</b> n/a
<b>Reason for Blocked:</b>	<b>Hardware Configuration:</b>
<b>Needs QA:</b> No	<b>ChangeLog Required:</b> No
<b>Needs Doc:</b> No	

#### Description

Hey guys, I have issues with establishing LACP link aggregation.

The GUI returns an error (see below) but the lagg0 interface shows up and is configurable if you ack the error message. However the link never becomes active on an arista port-channel.

FreeNAS Version: FreeNAS-11.1-U4 (89e3d93bc).  
FreeNAS adapter card is an Intel X520.

FreeNAS status error:

CRITICAL: May 4, 2018, 12:23 p.m. - These ports are not ACTIVE on LAGG interface lagg0: bxe0, bxe1. Please check cabling and switch

I've tried several settings and got arista support involved now. Any hint would be appreciated.

configuration on the Arista (already confirmed by Arista support):

```
localhost(config)#sh ver
Arista DCS-7050TX-48-F
Hardware version: 11.12
Serial number: J*****
System MAC address: 001c.7183.7b29
```

```
Software image version: 4.19.3F
Architecture: i386
Internal build version: 4.19.3F-6971068.4193F
[...]
```

```
localhost(config)#sh port-channel 1
Port Channel Port-Channel1:
No Active Ports
Configured, but inactive ports:
  Port                Reason unconfigured
  -----
  Ethernet35/1        Waiting in LACP Negotiation
  Ethernet36/1        Waiting in LACP Negotiation
```

```
sh run:
[...
interface Port-Channel1
```

```

description LACP to FreeNAS
switchport access vlan 101
spanning-tree portfast
!
interface Ethernet35/1
description LACP to FreeNAS IF01
flowcontrol receive on
switchport access vlan 101
channel-group 1 mode active
spanning-tree portfast
!
interface Ethernet36/1
description LACP to FreeNAS IF02
flowcontrol receive on
switchport access vlan 101
channel-group 1 mode active
spanning-tree portfast
!

```

#### FreeNAS ifconfig output:

```

bxe0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=527bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TSO4, TSO6, LRO, WOL_MAGI
C, VLAN_HWFILTER, VLAN_HWTSO>
ether 00:0e:1e:5d:a3:d0
hwaddr 00:0e:1e:5d:a3:d0
nd6 options=9<PERFORMNUD,IFDISABLED>
media: Ethernet autoselect (10Gbase-SR <full-duplex>)
status: active

```

```

bxe1: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=527bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TSO4, TSO6, LRO, WOL_MAGI
C, VLAN_HWFILTER, VLAN_HWTSO>
ether 00:0e:1e:5d:a3:d0
hwaddr 00:0e:1e:5d:a3:d2
nd6 options=9<PERFORMNUD,IFDISABLED>
media: Ethernet autoselect (10Gbase-SR <full-duplex>)
status: active

```

```

lagg0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=527bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TSO4, TSO6, LRO, WOL_MAGI
C, VLAN_HWFILTER, VLAN_HWTSO>
ether 00:0e:1e:5d:a3:d0
inet 10.0.0.100 netmask 0xffffffff broadcast 10.0.0.255
nd6 options=9<PERFORMNUD,IFDISABLED>
media: Ethernet autoselect
status: active
groups: lagg
laggproto lacp lagghash 12,13,14
laggport: bxe0 flags=0<>
laggport: bxe1 flags=0<>

```

#### GUI error message when creating a LACP lagg0 Interface:

```

Request Method: POST
Request URL: http://192.168.10.100/admin/network/lagginterface/add/
Software Version: FreeNAS-11.1-U4 (89e3d93bc)
Exception Type: ClientException
Exception Value:

```

[Errno 17] File exists

Exception Location: /usr/local/lib/python3.6/site-packages/middlewared/client/client.py in call, line 421

Server time: Fri, 4 May 2018 12:23:12 +0200

Traceback

Environment:

Software Version: FreeNAS-11.1-U4 (89e3d93bc)

Request Method: POST

Request URL: http://192.168.10.100/admin/network/lagginterface/add/

Traceback:

```
File "/usr/local/lib/python3.6/site-packages/django/core/handlers/exception.py" in inner
 42.         response = get_response(request)
File "/usr/local/lib/python3.6/site-packages/django/core/handlers/base.py" in _legacy_get_response
 249.         response = self._get_response(request)
File "/usr/local/lib/python3.6/site-packages/django/core/handlers/base.py" in _get_response
 178.         response = middleware_method(request, callback, callback_args, callback_kwargs)
File "./freenasUI/freeadmin/middleware.py" in process_view
 162.         return login_required(view_func)(request, *view_args, **view_kwargs)
File "/usr/local/lib/python3.6/site-packages/django/contrib/auth/decorators.py" in _wrapped_view
 23.         return view_func(request, *args, **kwargs)
File "./freenasUI/freeadmin/options.py" in wrapper
 210.         return self._admin.admin_view(view)(*args, **kwargs)
File "/usr/local/lib/python3.6/site-packages/django/utils/decorators.py" in _wrapped_view
 149.         response = view_func(request, *args, **kwargs)
File "/usr/local/lib/python3.6/site-packages/django/views/decorators/cache.py" in _wrapped_view_func
 57.         response = view_func(request, *args, **kwargs)
File "./freenasUI/freeadmin/site.py" in inner
 142.         return view(request, *args, **kwargs)
File "./freenasUI/freeadmin/options.py" in add
 369.         mf.done(request=request, events=events)
File "./freenasUI/network/forms.py" in done
 940.         notifier().start("network")
File "./freenasUI/middleware/notifier.py" in start
 202.         return c.call('service.start', what, {'onetime': onetime}, **kwargs)
File "./freenasUI/middleware/notifier.py" in start
 202.         return c.call('service.start', what, {'onetime': onetime}, **kwargs)
File "/usr/local/lib/python3.6/site-packages/middlewared/client/client.py" in call
 421.         raise ClientException(c.error, c.errno, c.trace, c.extra)
```

Exception Type: ClientException at /admin/network/lagginterface/add/

Exception Value: [Errno 17] File exists

Request information

GET

No GET data

POST

Variable Value

```
__all__      ''
lagg_protocol  'lACP'
lagg_interfaces  'bxe1'
__form_id    'dialogForm_lagginterface'
```

FILES

No FILES data

COOKIES

Variable Value

```
csrftoken    '*****'
sessionid    'uyg2pls07tyrp4cybj9uo8uqrry3zup0'
fntreeSaveStateCookie  'root%2Croot%2F151%2Croot%2F147%2Croot%2F146'
```

META

---

## Associated revisions

### Revision 2ab4b22a - 06/14/2018 11:05 AM - William Grzybowski

fix(middleware): handle interface attach in middleware

Ticket: #33294

### Revision 49dc554c - 06/14/2018 11:07 AM - William Grzybowski

fix(middleware): handle interface attach in middleware

Ticket: #33294

### Revision 90bc8796 - 06/14/2018 11:17 AM - William Grzybowski

fix(middleware): handle interface attach in middleware

Ticket: #33294

### Revision 06040ee2 - 06/22/2018 12:27 PM - William Grzybowski

fix(middleware): handle interface attach in middleware

Ticket: #33294

---

## History

### #1 - 05/09/2018 06:09 AM - Dru Lavigne

- Category changed from Build system to Middleware
- Assignee changed from Release Council to William Grzybowski
- Private changed from No to Yes
- Seen in changed from 11.4 to 11.1-U4
- Reason for Blocked set to Need additional information from Author

Thilo: please attach a debug (System -> Advanced -> Save Debug) to this ticket.

### #2 - 05/09/2018 06:14 AM - William Grzybowski

- Status changed from Unscreened to Blocked
- Severity changed from Med High to Medium

### #3 - 05/16/2018 03:08 AM - thilo nesnidal

- File debug-freenas-20180516120618.tgz added

Uploaded debug information

### #4 - 05/16/2018 05:39 AM - Dru Lavigne

- Status changed from Blocked to Unscreened
- Reason for Blocked deleted (Need additional information from Author)

**#5 - 05/16/2018 06:55 AM - William Grzybowski**

- Status changed from Unscreened to Blocked
- Reason for Blocked set to Waiting for feedback

The error is very strange and i am not able to reproduce that locally.

Would you be open for a team viewer to debug this?

**#6 - 05/16/2018 07:09 AM - William Grzybowski**

Also,

can you try this manually to check if this works:

```
freenas# ifconfig lagg0 destroy
freenas# ifconfig lagg0 create laggproto lacp up
freenas# ifconfig lagg0 laggport bge0
freenas# ifconfig lagg0 laggport bge1
freenas# ifconfig lagg0
```

Thanks

**#7 - 05/24/2018 05:40 AM - thilo nesnidal**

Of course, we would be open for a team viewer session to debug this issue.  
Can you suggest an appointment for the team viewer session in June between 12th to 15th ?

**#8 - 05/25/2018 07:51 AM - William Grzybowski**

June 14th in the morning (GMT-3) would work for me.

**#9 - 06/04/2018 09:01 AM - thilo nesnidal**

Unfortunately on June, 14th the client is not available.  
Would you be so kind and propose a new date for the debugging session ?

**#10 - 06/05/2018 05:12 PM - William Grzybowski**

thilo nesnidal wrote:

Unfortunately on June, 14th the client is not available.  
Would you be so kind and propose a new date for the debugging session ?

15th would work as well

**#11 - 06/06/2018 01:10 AM - thilo nesnidal**

According to the client, June, 14th in the morning would be possible now and he wants to go ahead as soon as possible.  
So my apologies, can we still stick to June, 14th ?

**#12 - 06/06/2018 04:17 AM - William Grzybowski**

Yes, that is fine

**#13 - 06/11/2018 02:14 AM - thilo nesnidal**

Perfect.  
which time would be best for you ?

**#14 - 06/12/2018 06:49 AM - William Grzybowski**

thilo nesnidal wrote:

Perfect.  
which time would be best for you ?

Between 9AM-12AM my time (GMT-3)

**#15 - 06/14/2018 04:30 AM - thilo nesnidal**

Hi

I'm already onsite online. We could start any time.  
how can we start over ?  
skype session ?  
phone call ?

Also I've got a teamviewer ID: 733 419 846  
pw: f8hd71

**#16 - 06/14/2018 04:37 AM - thilo nesnidal**

```
root@freenas:~ # ifconfig lagg0 destroy
ifconfig: interface lagg0 does not exist
```

just to make sure that there is no lagg configured yet.

**#17 - 06/14/2018 07:23 AM - William Grzybowski**

- Target version changed from Backlog to 11.2-RC2

Note: During the teamviewer session I discovered there is a race between middlewared and some event configuring lagg0. We were not able to figure

out why lagg is not working.

**#18 - 06/14/2018 10:21 AM - William Grzybowski**

- Status changed from *Blocked* to *Not Started*
- Reason for *Blocked* deleted (*Waiting for feedback*)

**#19 - 06/14/2018 11:18 AM - William Grzybowski**

- Status changed from *Not Started* to *In Progress*

<https://github.com/freenas/freenas/pull/1368>

Thilo, the above PR fixes the traceback.

Let us know if you have any luck with LAGG using Intel NICs.

**#20 - 06/14/2018 04:04 PM - Dru Lavigne**

- File deleted (*debug-freenas-20180516120618.tgz*)

**#21 - 06/14/2018 04:05 PM - Dru Lavigne**

- Subject changed from *unable to establish LACP connection* to *Fix traceback when adding a LAGG*
- Status changed from *In Progress* to *Ready for Testing*
- Target version changed from *11.2-RC2* to *11.2-BETA1*
- Private changed from *Yes* to *No*
- Needs Doc changed from *Yes* to *No*
- Needs Merging changed from *Yes* to *No*

**#22 - 06/19/2018 01:45 PM - Bonnie Follweiler**

- Status changed from *Ready for Testing* to *Passed Testing*
- Needs QA changed from *Yes* to *No*

Test Passed by Eric Turgeon

**#23 - 06/19/2018 01:55 PM - Dru Lavigne**

- Status changed from *Passed Testing* to *Done*