

FreeNAS - Bug #27122

Add overhauled bridge support to API

12/09/2017 12:10 PM - Patrick M. Hausen

Status: Done	
Priority: No priority	
Assignee: William Grzybowski	
Category: Middleware	
Target version: 11.3-ALPHA1	
Seen in: 11.1-RC3	Needs Merging: No
Severity: Medium	Needs Automation: No
Reason for Closing:	Support Suite Ticket: n/a
Reason for Blocked:	Hardware Configuration:
Needs QA: No	ChangeLog Required: No
Needs Doc: Yes	

Description

Dear developers,

FreeNAS already uses `if_bridge` for jails and bhyve VMs. But the resulting setup violates what is clearly and explicitly stated in the FreeBSD documentation:

https://www.freebsd.org/doc/en_US.ISO8859-1/books/handbook/network-bridging.html

The IP address belongs on the bridge, not on one (igb0 in my case) of the member interfaces.

Second, it would be great if I could add the other 3 ports of my system to that very same bridge to have an additional switch for my home network. I already do this with a post-init script, but bridging configuration should be available via the UI.

Third, it seems like the automagic bridge configuration assigns bhyve VMs to one and iocage jails to a second bridge IF. This should be either one and the same or even better configurable via the UI and per jail/VM.

Apart from the fact that Corral did not support jails, all of this was in place and working flawlessly in Corral. Put 4 physical interfaces into one bridge, configure IPv4 and IPv6 for the bridge instead for one of the members, pick which bridge to use for a VM ...

Kind regards,
Patrick

P.S. A "networking" category is missing in Redmine ;)

Related issues:

Related to FreeNAS - Bug #27780: Network Interface configuration seems to be ...	Closed	
Related to FreeNAS - Bug #42269: Can't select tap interface to a VM (using cl...	Closed	
Related to FreeNAS - Umbrella #50841: Network Interfaces Management Rewrite	Done	
Has duplicate FreeNAS - Bug #29068: Can't bridge tap interface to a virtual m...	Closed	03/04/2018
Has duplicate FreeNAS - Feature #34288: Would like be able to bridge network ...	Closed	
Has duplicate FreeNAS - Feature #24347: Add bridge support	Closed	
Copied to FreeNAS - Bug #67735: Implement bridge support in new UI	Closed	

Associated revisions

Revision 3271531c - 11/14/2018 11:30 AM - William Grzybowski

feat(migration): add bridge model

Ticket: #27122

Revision 6d43cca0 - 11/16/2018 08:56 AM - William Grzybowski

feat(middlewared/network): initial support for bridge interfaces

Ticket: #27122

Revision 19e2361f - 11/16/2018 09:12 AM - William Grzybowski

fix(middlewared/network): do not allow same interface in different bridge

Ticket: #27122

Revision c7645875 - 11/16/2018 10:16 AM - William Grzybowski

feat(middlewared/network): basic bridge unit tests

Ticket: #27122

Revision 4a0c5ad0 - 11/16/2018 10:58 AM - William Grzybowski

fix(middlewared/network): start bridge name on index 2

Ticket: #27122

Revision 170a4697 - 11/16/2018 11:08 AM - William Grzybowski

fix(middlewared/network): allow bridge[2-9] to be destroyed

Ticket: #27122

Revision 054a3749 - 11/16/2018 11:29 AM - William Grzybowski

fix(middlewared/network): remove unused var

Ticket: #27122

Revision 1bd6af83 - 11/16/2018 12:16 PM - William Grzybowski

fix(middlewared/network): do not define inline get_next

Ticket: #27122

Revision 0e5e4d85 - 11/16/2018 12:49 PM - William Grzybowski

fix(middlewared/network): just `raise`

Ticket: #27122

Revision f7b48a54 - 11/16/2018 01:08 PM - William Grzybowski

fix(middlewared/network): just `raise`

Ticket: #27122

Revision bfd35c8f - 11/19/2018 05:48 AM - William Grzybowski

feat(migration): add bridge model

Ticket: #27122

Revision c7d52841 - 11/19/2018 05:48 AM - William Grzybowski

feat(middlewared/network): initial support for bridge interfaces

Ticket: #27122

Revision f79bd128 - 11/19/2018 05:48 AM - William Grzybowski

fix(middlewared/network): do not allow same interface in different bridge

Ticket: #27122

Revision 80728470 - 11/19/2018 05:48 AM - William Grzybowski

feat(middlewared/network): basic bridge unit tests

Ticket: #27122

Revision 254f5d36 - 11/19/2018 05:48 AM - William Grzybowski

fix(middlewared/network): start bridge name on index 2

Ticket: #27122

Revision 72934655 - 11/19/2018 05:48 AM - William Grzybowski

fix(middlewared/network): allow bridge[2-9] to be destroyed

Ticket: #27122

Revision 651eb312 - 11/19/2018 05:48 AM - William Grzybowski

fix(middlewared/network): remove unused var

Ticket: #27122

Revision 058465e9 - 11/19/2018 05:48 AM - William Grzybowski

fix(middlewared/network): do not define inline get_next

Ticket: #27122

Revision 3f3bdd8f - 11/19/2018 05:48 AM - William Grzybowski

fix(middlewared/network): just `raise`

Ticket: #27122

History

#1 - 12/09/2017 12:40 PM - Dru Lavigne

- Assignee changed from Release Council to Marcelo Araujo

#2 - 12/13/2017 08:38 AM - Dru Lavigne

- Target version set to 11.2-BETA1

#3 - 12/19/2017 06:20 PM - Marcelo Araujo

- Status changed from Unscreened to Screened

#4 - 01/24/2018 10:12 AM - Dru Lavigne

- Status changed from Screened to Not Started

- Target version changed from 11.2-BETA1 to 11.2-RC2

#5 - 03/04/2018 04:36 AM - Dru Lavigne

- Has duplicate Bug #29068: Can't bridge tap interface to a virtual machine added

#6 - 04/16/2018 10:26 AM - Nick Wolff

- Severity set to Low Medium

#7 - 06/06/2018 06:13 AM - Dru Lavigne

- Has duplicate Feature #34288: Would like be able to bridge network interfaces added

#9 - 06/20/2018 10:56 PM - Marcelo Araujo

- Category changed from OS to Middleware

- Status changed from Screened to Unscreened

- Assignee changed from Marcelo Araujo to William Grzybowski

- Target version changed from 11.4 to N/A

Forward to middleware team.

#10 - 06/21/2018 06:05 AM - William Grzybowski

- Status changed from Unscreened to Screened

- Target version changed from N/A to Backlog

- Severity changed from Low Medium to Medium

#11 - 07/02/2018 03:55 AM - Dru Lavigne

- Related to Bug #27780: Network Interface configuration seems to be broken when using VM's and iocage added

#12 - 08/27/2018 08:05 AM - William Grzybowski

- Target version changed from Backlog to 11.3

#13 - 08/27/2018 08:47 AM - Dru Lavigne

- Related to Bug #42269: Can't select tap interface to a VM (using classic UI) added

#15 - 10/24/2018 11:25 AM - Dru Lavigne

- Related to Umbrella #50841: Network Interfaces Management Rewrite added

#16 - 10/24/2018 11:25 AM - Dru Lavigne

- Has duplicate Feature #24347: Add bridge support added

#17 - 10/24/2018 11:28 AM - Dru Lavigne

- Subject changed from Bridging setup is in desperate need of an overhaul to Overhaul bridge support

#18 - 11/16/2018 08:57 AM - Bug Clerk

- Status changed from Screened to In Progress

#19 - 11/19/2018 05:48 AM - Bug Clerk

- Status changed from In Progress to Ready for Testing

PR: <https://github.com/freenas/freenas/pull/2106>

#20 - 11/19/2018 05:48 AM - William Grzybowski

- Status changed from Ready for Testing to Passed Testing

Testing will be made on related ticket when new UI part is implemented.

#21 - 11/19/2018 05:50 AM - Dru Lavigne

- Subject changed from Overhaul bridge support to Overhaul bridge support for APIv2

- Needs QA changed from Yes to No

- Needs Merging changed from Yes to No

#22 - 01/04/2019 10:34 AM - Dru Lavigne

- Status changed from Passed Testing to Done

- Needs Doc changed from Yes to No

#24 - 01/04/2019 10:36 AM - Dru Lavigne

- Copied to Bug #67735: Implement bridge support in new UI added

#25 - 01/21/2019 11:02 AM - Dru Lavigne

- Target version changed from 11.3 to 11.3-BETA1

#26 - 03/26/2019 11:37 AM - Dru Lavigne

- Subject changed from Overhaul bridge support for APIv2 to Add overhauled bridge support to legacy UI

- Status changed from Done to Ready for Testing

- Needs QA changed from No to Yes

- Needs Doc changed from No to Yes

#27 - 03/26/2019 11:41 AM - William Grzybowski

- Subject changed from Add overhauled bridge support to legacy UI to Add overhauled bridge support to API

- Status changed from Ready for Testing to Done

- Needs QA changed from Yes to No

#29 - 04/02/2019 08:19 AM - Dru Lavigne

- Target version changed from 11.3-BETA1 to 11.3-ALPHA1