

pfSense - Bug #4312

Bridge advanced settings not always applied after interface is added to bridge

01/27/2015 07:25 AM - dominique dupont

Status:	Resolved	Start date:	01/27/2015
Priority:	Normal	Due date:	
Assignee:	Chris Buechler	% Done:	100%
Category:	Interfaces	Estimated time:	0.00 hour
Target version:	2.3		
Affected Version:	All	Affected Architecture:	All

Description

on 2.2 release

after reboot, the option PRIVATE PORTS (ovpns6 and ovpsc4 for my example) of BRIDGE not work (bridge of VPN mode TAP):

```
bridge0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 1500
ether 02:cc:1b:1f:6a:00
nd6 options=1<PERFORMNUD>
id 00:00:00:00:00:00 priority 32768 hellotime 2 fwddelay 15
maxage 20 holdcnt 6 proto rstp maxaddr 2000 timeout 1200
root id 00:00:00:00:00:00 priority 32768 ifcost 0 port 0
member: ovpsc4 flags=143<LEARNING,DISCOVER,AUTOEDGE,AUTOPTP>
ifmaxaddr 0 port 12 priority 128 path cost 2000000
member: ovpns6 flags=143<LEARNING,DISCOVER,AUTOEDGE,AUTOPTP>
ifmaxaddr 0 port 10 priority 128 path cost 2000000
member: ovpns2 flags=143<LEARNING,DISCOVER,AUTOEDGE,AUTOPTP>
ifmaxaddr 0 port 9 priority 128 path cost 2000000
member: em1 flags=143<LEARNING,DISCOVER,AUTOEDGE,AUTOPTP>
ifmaxaddr 0 port 2 priority 128 path cost 20000
```

you must resave the configuration of bridge to make it work

after resave :

```
bridge0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 1500
ether 02:cc:1b:1f:6a:00
nd6 options=1<PERFORMNUD>
id 00:00:00:00:00:00 priority 32768 hellotime 2 fwddelay 15
maxage 20 holdcnt 6 proto rstp maxaddr 2000 timeout 1200
root id 00:00:00:00:00:00 priority 32768 ifcost 0 port 0
member: ovpns6 flags=943<LEARNING,DISCOVER,*PRIVATE*,AUTOEDGE,AUTOPTP>
ifmaxaddr 0 port 10 priority 128 path cost 2000000
member: ovpns2 flags=143<LEARNING,DISCOVER,AUTOEDGE,AUTOPTP>
ifmaxaddr 0 port 9 priority 128 path cost 2000000
member: ovpsc4 flags=943<LEARNING,DISCOVER,*PRIVATE*,AUTOEDGE,AUTOPTP>
ifmaxaddr 0 port 12 priority 128 path cost 2000000
member: em1 flags=143<LEARNING,DISCOVER,AUTOEDGE,AUTOPTP>
ifmaxaddr 0 port 2 priority 128 path cost 20000
```

Associated revisions

Revision 617daf5e - 01/23/2016 05:33 AM - Chris Buechler

interface_bridge_add_member is inadequate for adding a bridge member that may have not existed at the time of bridge interface's creation. interface_bridge_configure on the interface's bridge ensures all settings (private, etc.) are applied. Ticket #4312

Revision 9af087de - 02/16/2016 07:52 PM - Chris Buechler

Revert this because of issues in Ticket #5888, will fix #4312 differently. Revert "interface_bridge_add_member is inadequate for adding a bridge member that may have not existed at the time of bridge interface's creation. interface_bridge_configure on the interface's bridge ensures all settings (private, etc.) are applied. Ticket #4312"

This reverts commit 617daf5e38cefcad2d2f0ac4308f034131be31b7.

Revision 69760d2b - 02/16/2016 10:17 PM - Chris Buechler

Separate bridge application of STP and advanced parameters into their own functions so they can be applied separately from creation of the entire bridge. Apply those after adding a bridge member. Ticket #4312

Revision a10eabe6 - 02/17/2016 07:28 PM - Chris Buechler

Need \$config here. No need to check count() as it'll always evaluate to true where is_array does. Ticket #4312

History

#1 - 03/06/2015 05:41 AM - Chris Buechler

- Subject changed from BRIDGE option PRIVATE PORTS not work after reboot to bridge private ports problem with tap members
- Status changed from New to Confirmed
- Target version changed from 2.2.1 to 2.2.2

it works in general. seems specific to tap interfaces, probably at least partially because they come up/are changed later in the boot process.

#2 - 04/02/2015 01:23 AM - Chris Buechler

- Target version changed from 2.2.2 to 2.2.3

#3 - 06/11/2015 03:38 PM - Chris Buechler

- Target version changed from 2.2.3 to 2.3

#4 - 12/06/2015 03:15 PM - Jim Thompson

- Assignee set to Chris Buechler

assigned to cmb for re-eval against 2.3

#5 - 01/23/2016 05:27 AM - Chris Buechler

- Status changed from Confirmed to Resolved
- Affected Version changed from 2.2 to All

Same problem was still in 2.3.

When interfaces_bridge_configure runs during boot, the tap interfaces don't yet exist. rc.newwanip is what ends up adding tap interfaces to the bridge, which was using interface_bridge_add_member(). interface_bridge_add_member skips applying the private setting as well as a slew of other settings which may apply. Calling interface_bridge_configure() on the appropriate bridge instead ensures private and all other settings are correctly applied to interfaces that didn't exist at the time of bridge creation.

fixed

#6 - 02/16/2016 07:44 PM - Chris Buechler

- Subject changed from bridge private ports problem with tap members to Bridge advanced settings not always applied after interface is added to bridge
- Status changed from Resolved to Confirmed

that change lead to issue [#5888](#), so this was reverted. different fix coming.

#7 - 02/16/2016 07:50 PM - Chris Buechler

- Status changed from *Confirmed* to *Feedback*

- % Done changed from 0 to 100

Applied in changeset [9af087de91a2612e27023a4856a186215e350d9d](#).

#8 - 02/16/2016 07:52 PM - Chris Buechler

- Status changed from *Feedback* to *Confirmed*

#9 - 02/17/2016 02:52 PM - Chris Buechler

- Status changed from *Confirmed* to *Feedback*

#10 - 02/17/2016 08:16 PM - Chris Buechler

- Status changed from *Feedback* to *Resolved*

works