

FreeNAS - Bug #26104

Validate vlan number when configuring via the console

10/06/2017 03:19 PM - Joshua Serrine

Status:	Done	
Priority:	Nice to have	
Assignee:	William Grzybowski	
Category:	Middleware	
Target version:	11.2-BETA1	
Seen in:	11.0-U2.2	Needs Merging: No
Severity:	New	Needs Automation: No
Reason for Closing:		Support Suite Ticket: n/a
Reason for Blocked:		Hardware Configuration:
Needs QA:	No	ChangeLog Required: No
Needs Doc:	No	

Description

When setting up vlans from the local console via the netcli menu, the vlan options don't work quite like you'd expect.

If you choose option 3 (Configure VLAN Interface), then Option 1 (Select a parent interface) and then choose a parent interface you get the below query:

Enter an option from 1-13: 3

- 1) Create VLAN Interface
- 2) Delete VLAN Interface

Enter an option from 1-2 (enter q to quit): 1

- 1) cxl0
- 2) cxl1
- 3) lagg0

Select a parent interface (q to quit): 2

Enter an interface name (vlanXX) or a to abort:

If you want to use a single-digit vlan number, it seems logical that you'd use something like 'vlan04' instead of 'vlan4' since the query says "vlanXX". Unfortunately, this does not work and there are problems and the vlan configuration does not work. The input is accepted as valid, and I verified the information was stored in the configuration database, but then when you reboot for the vlan to be applied, it fails to apply. In particular, the vlan interface does not get created (a traceback on bootup occurs, but scrolls very quickly by). Simply changing the input from 'vlan04' to 'vlan4' resolved the issue.

Additionally, the menu options could probably be simplified. For example, I provided the below input:

Select a parent interface (q to quit): 2

Enter an interface name (vlanXX) or a to abort: vlan4

Enter a VLAN Tag or a to abort: 4

I think we should simply get rid of the vlanXX input for the interface name and simply ask for the VLAN Tag. Then take whatever number they put in, and preface it with 'vlan' to make the interface name. Someone could easily enter 'vlan4' and then for the tag input put some other arbitrary number that would add more confusion. I'll leave that to the developers to decide if this simplification is something we should do or not. Personally, I can't think of a time when we'd want to name the interface something different.

Associated revisions

Revision edacf1d4 - 01/08/2018 08:05 AM - William Grzybowski

fix(netcli): validate vlanX in netcli

Ticket: #26104

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History

#1 - 10/09/2017 01:23 PM - Bartosz Prokop

- Status changed from 50 to 51

Nice description Josh - pushing to devs.

#2 - 10/09/2017 01:28 PM - Dru Lavigne

- Category set to 42

- Status changed from 51 to Unscreened

- Assignee changed from Bartosz Prokop to William Grzybowski

William: please load balance.

#3 - 10/11/2017 03:49 AM - William Grzybowski

- Project changed from TrueNAS to FreeNAS

- Category changed from 42 to 2

- Status changed from Unscreened to Screened

- Target version set to 11.2-BETA1

#4 - 10/11/2017 05:42 AM - Dru Lavigne

- Description updated

#5 - 10/11/2017 05:42 AM - Dru Lavigne

- TrueNAS

#6 - 12/29/2017 04:24 AM - William Grzybowski

If we just use the tag how would we handle migrations?

Say someone used vlan111 with tag 11 by mistake and vlan111 is used in a number of places?

#7 - 12/29/2017 10:37 AM - Joshua Serrine

What I'm proposing is getting rid of the virtual interface field and having us generate it internally based on the tag. So tagged 11 traffic would be vlan11, tagged 111 traffic would make vlan111. After all, regardless of the virtual interface field, if we move everything to the standard I recommend, it's all internal, right? We should expect that customers are going to go to the CLI and try to do manual networking.

Am I missing something here? I am a bit green with regards to vlan stuff, so I may be missing something critical for why this idea is stupid.

#8 - 12/29/2017 10:40 AM - William Grzybowski

I am not asking how it should be implemented, thats pretty clear. I am asking how we handle existing installs which vlan interface name does not match vlang tag.

e.g. vlan35 tag 67

#9 - 12/29/2017 11:08 AM - Joshua Serrine

Oh, I gotcha. Why not simply convert the vlan interfaces themselves along with any other entries in the config file to point to the correct "new" name?

#10 - 12/29/2017 11:16 AM - William Grzybowski

Interface names can be used in a number of places, in bind for a few services, reporting graphs, etc.

Not sure its worth the risk

#11 - 01/09/2018 02:51 AM - iXsystems Bot

Commit: 055507330ef2791f2172990b7107a5d2867d73fc

<https://github.com/freenas/freenas/commit/055507330ef2791f2172990b7107a5d2867d73fc>

Author: William Grzybowski <wjg@FreeBSD.org>

Date: 2018-01-09 (Tue, 09 Jan 2018)

Log Message:

fix(netcli): validate vlanX in netcli

Ticket: [#26104](#)

#12 - 01/09/2018 02:52 AM - William Grzybowski

- Status changed from Screened to Ready For Release

#13 - 01/09/2018 02:52 AM - William Grzybowski

<https://github.com/freenas/freenas/pull/672>

#14 - 01/24/2018 01:19 PM - Dru Lavigne

- Subject changed from *vlanXX input cause problems on 11.0-U2.2 to Validate vlan number when configuring via the console*

- Status changed from Ready For Release to Done

- Needs Doc changed from Yes to No

- Needs Merging changed from Yes to No

#15 - 05/02/2018 05:38 AM - Dru Lavigne

- Status changed from Done to Ready for Testing

#16 - 05/15/2018 06:02 AM - William Grzybowski

- Category changed from GUI (new) to Middleware

#17 - 06/15/2018 02:14 PM - Michael Reynolds

- File *vlanX-26104-2018-06-15.png* added

- Status changed from Ready for Testing to Passed Testing

- Severity set to New

- Needs QA changed from Yes to No

The fix for this was to change vlanXX to vlanX to remove confusion.

This is done.

see *vlanX-26104-2018-06-15.png*

#18 - 06/15/2018 02:16 PM - Dru Lavigne

- Status changed from Passed Testing to Done

Files

vlanX-26104-2018-06-15.png	7.97 KB	06/15/2018	Michael Reynolds
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