

FreeNAS - Bug #36728

Fix for ISO upgrade in BIOS and UEFI mode

07/05/2018 01:00 PM - Michael Reynolds

Status:	Done	
Priority:	No priority	
Assignee:	Alexander Motin	
Category:	OS	
Target version:	11.2-BETA1	
Seen in:	Master - FreeNAS Nightlies	Needs Merging: No
Severity:	High	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

I attempted to upgrade an 11.1U5 FreeNAS install to the FreeNAS-INTERNAL14 by booting the INTERNAL14 ISO

The installation errored out with the error
The FreeNAS upgrade on ada0 has failed. Press enter to continue..

See 11.1U5-upgradeINTERNAL14-Fail-2018-07-05.png

I got the error using a VirtualBox install
Bonnie was able to reproduce using a real ISO on a mini
Bonnie currently has the error up on the mini with her failed attempt.

Associated revisions

Revision cf9882f7 - 07/06/2018 09:18 AM - Alexander Motin

Don't give `set +e` chance to fire without real reason.

Ticket: #36728

Revision c8ef8260 - 07/06/2018 09:55 AM - Alexander Motin

Don't give `set +e` chance to fire without real reason. (#1491)

Ticket: #36728

History

#1 - 07/05/2018 01:07 PM - Michael Reynolds

Upgrading 11.1U5 to 11.2INTERNAL14 is a failure when upgrading into a new be

Upgrading and wiping the boot drive is successful

#2 - 07/05/2018 01:24 PM - Bonnie Follweiler

- File FreeNAS_Upgrade.jpg added

#3 - 07/05/2018 01:45 PM - Bonnie Follweiler

- File deleted (FreeNAS_Upgrade.jpg)

#5 - 07/05/2018 02:00 PM - Bonnie Follweiler

- File Screen Shot 2018-07-05 at 4.52.06 PM.png added

The FreeNAS 11.2-Internal14 installer did create an entry in the GUI System->Boot's BE list and it is marked to run at reboot but it will not boot/reboot into that BE

#6 - 07/05/2018 02:34 PM - Bonnie Follweiler

Please note that the manual update works for FreeNAS 11.2-INTERNAL14

#7 - 07/05/2018 02:34 PM - Bonnie Follweiler

- Assignee changed from William Grzybowski to Alexander Motin

#8 - 07/05/2018 02:49 PM - Michael Reynolds

- File BE-available-after-failed-2018-07-05.png added

- File BE-Created-2018-07-05.png added

- File Grub-BE-Menu-2018-07-05.png added

- File GrubMenu-2018-07-05.png added

- File Progress1-2018-07-05.png added

- File Progress2-2018-07-05.png added

Cloned a FreeNAS 11.1U5 install

Booted the VM and enabled SSH login

Rebooted to the 11.2INTERNAL14 ISO

Install/Upgrade

Chose ada0

Upgrade Install

Install in new boot environment

It looks like the BE is created successfully

BE-Created-2018-07-05.png

Grabbed a screenshot before the install finished

Progress1-2018-07-05.png

Errored out with same error as before

Progress2-2018-07-05.png

Cannot ssh in

"powered off" the VM via File -> Close

Started the VM and checked the available boot environments

see BE-available-after-failed-2018-07-05.png

default is active Now

default-20180705-204444 is the On Reboot

Reboot to see if the 11.2INTERNAL14 install loads

The GRUB menu shows the default be from 2018-05-23 to be the default

See GrubMenu-2018-07-05.png

Chose the Boot Environment Menu

The be for the upgrade does not show up in the list

See Grub-BE-Menu-2018-07-05.png

Booted the old default be

The be list is the same as before and still shows default-20180705-204444

as the BE that will be active on Reboot.

Last reboot I used option 10 on the FreeNAS Console setup menu

Rebooted using the UI

No change from above

ssh'd in. beadm list agrees with the UI about the boot environments available

root@freenas:~ # beadm list

BE	Active	Mountpoint	Space	Created	Nickname
default	N	/	838.9M	2018-05-23 17:53	default
Initial-Install	-	-	1.9M	2018-05-23 17:59	Initial-Install
Wizard-2018-05-23_15:05:14	-	-	558.0K	2018-05-23 18:05	Wizard-2018-05-23_15:05:14
default-20180705-204444	R	-	876.0M	2018-07-05 16:44	default-20180705-204444

#9 - 07/06/2018 06:59 AM - Bonnie Follweiler

- File console-accessing the gui.jpeg added

Update: I tried to update, from an iso on a brand new 32GB USB stick, from FreeNAS 11.1-U5 to FreeNAS 11.2-INTERNAL16 and It appeared to install until I got "The FreeNAS upgrade on ada2 has failed. Press enter to continue"

I press enter and get the FreeNAS 11.2-INTERNAL16 Console Setup screen with Install/Upgrade highlighted

I chose to reboot (removing the USB drive)

It is trying to mount root from the update freenas-boot/root/default-20180706-133317 []

It tried to boot and the new UI. it wont load

I tried the legacy UI and got the following traceback error:

```
Request Method: GET
Request URL: http://10.231.3.50/legacy/
Software Version: FreeNAS-11.2-INTERNAL16 (529027503)
Exception Type: FileNotFoundError
Exception Value:
```

[Errno 2] No such file or directory

```
Exception Location: /usr/local/lib/python3.6/site-packages/ws4py/client/_init_.py in connect, line 208
Server time: Fri, 6 Jul 2018 09:51:44 -0400
```

Traceback

Environment:

Software Version: FreeNAS-11.2-INTERNAL16 (529027503)

Request Method: GET

Request URL: <http://10.231.3.50/legacy/>

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/freemadmin/middleware.py" in process_view
163.     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 "/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/freemadmin/site.py" in adminInterface
236.     'menu_hook': appPool.get_top_menu(request),
File "/freenasUI/freemadmin/appool.py" in get_top_menu
45.     arr = self._get_array("top_menu", None, request)
File "/freenasUI/freemadmin/appool.py" in _get_array
35.     method(arr, func(*args, **kwargs))
File "/freenasUI/vcp/hook.py" in top_menu
38.     if vcp_enabled():
File "/freenasUI/vcp/utills.py" in vcp_enabled
33.     with client as c:
File "/freenasUI/middleware/client.py" in enter
20.     local.client = Client()
File "/usr/local/lib/python3.6/site-packages/middleware/client/client.py" in init
313.     raise e
File "/usr/local/lib/python3.6/site-packages/middleware/client/client.py" in init
306.     self_ws.connect()
File "/usr/local/lib/python3.6/site-packages/middleware/client/client.py" in connect
169.     rv = super(WSCClient, self).connect()
File "/usr/local/lib/python3.6/site-packages/ws4py/client/_init_.py" in connect
208.     self.sock.connect(self.bind_addr)
```

Exception Type: FileNotFoundException at /legacy/
Exception Value: [Errno 2] No such file or directory

Request information
GET

No GET data
POST

No POST data
FILES

No FILES data
COOKIES

Variable	Value
csrftoken	*****
fntreeSaveStateCookie	'root'
sessionid	'2bse2pawad1lbg0tejmra7zp7y2o6gav'

META

Variable	Value
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After attempting to access the GUI there was also a lot of error messages on my console - screenshot provided

#10 - 07/06/2018 07:21 AM - Bonnie Follweiler

- File Internal16 - 1.jpg added
- File Internal16 - 2.jpg added
- File Internal16 - 3.jpg added
- File Internal16 - 5.jpg added
- File Internal16 - 6.jpg added
- File Internal16 - 7.jpg added
- File Internal16 - 9.jpg added
- File Internal16 10.jpg added
- File Internal16 11.jpg added
- File Internal16 12.jpg added
- Subject changed from Failed upgrade 11.1U5 to INTERNAL14 using the ISO to Failed upgrade 11.1U5 to INTERNAL14 or 16 using the ISO

I apologize, in advance for the number of photos but these are the messages on the console during the install:

#11 - 07/06/2018 07:22 AM - Bonnie Follweiler

- File deleted (Internal16 - 2.jpg)

#12 - 07/06/2018 07:22 AM - Bonnie Follweiler

- File deleted (Internal16 - 1.jpg)

#13 - 07/06/2018 07:23 AM - Bonnie Follweiler

- File Internal16 13.jpg added
- File Internal16 15.jpg added
- File Internal16 18.jpg added
- File Internal16 19.jpg added
- File Internal16 21.jpg added
- File Internal16 22.jpg added
- File Internal16 23.jpg added

#14 - 07/06/2018 09:29 AM - Alexander Motin

- Category changed from Middleware to OS
- Status changed from Unscreened to Ready for Testing
- Target version changed from Backlog to 11.2-BETA2
- Severity changed from New to High

Created PR that should help: <https://github.com/freenas/freenas/pull/1491>

#15 - 07/06/2018 09:51 AM - Dru Lavigne

- Target version changed from 11.2-BETA2 to 11.2-BETA1

#16 - 07/06/2018 09:54 AM - Dru Lavigne

- Subject changed from Failed upgrade 11.1U5 to INTERNAL14 or 16 using the ISO to Fix for EFI upgrade
- Needs Doc changed from Yes to No

#17 - 07/06/2018 10:07 AM - Dru Lavigne

- Needs Merging changed from Yes to No

#18 - 07/06/2018 10:30 AM - Alexander Motin

- Subject changed from Fix for EFI upgrade to Fix for ISO upgrade in BIOS mode

#21 - 07/06/2018 01:40 PM - Alexander Motin

Make sure to test both UEFI and BIOS cases.

#22 - 07/06/2018 02:11 PM - Michael Reynolds

Used the INTERNAL17 ISO to upgrade 11.1U5 to a new be the initial upgrade was butter rebooted to finish the upgrade and make sure everything boots the initial reboot finished updating/converting everything to the current version rebooted again and everything booted fine

This test was done using BIOS

I don't have access to test using UEFI

#23 - 07/06/2018 03:35 PM - Michael Reynolds

- Subject changed from Fix for ISO upgrade in BIOS mode to Fix for ISO upgrade in BIOS and UEFI mode
- Status changed from Ready for Testing to Passed Testing

- Needs QA changed from Yes to No

Spoke with Bonnie

Tested upgrading on a UEFI boot based system and testing passed

BIOS and UEFI testing passed

#24 - 07/06/2018 03:49 PM - Bonnie Follweiler

I did a clean install UEFI Boot and it was successful

#25 - 07/06/2018 04:01 PM - Alexander Motin

Bonnie Follweiler wrote:

I did a clean install UEFI Boot and it was successful

Interesting question is updating after that.

#26 - 07/07/2018 07:27 AM - Dru Lavigne

- Status changed from Passed Testing to Done

Files

11.1U5-upgradeINTERNAL14-Fail-2018-07-05.png	54.8 KB	07/05/2018	Michael Reynolds
Screen Shot 2018-07-05 at 4.52.06 PM.png	115 KB	07/05/2018	Bonnie Follweiler
BE-Created-2018-07-05.png	2.64 KB	07/05/2018	Michael Reynolds
BE-available-after-failed-2018-07-05.png	12 KB	07/05/2018	Michael Reynolds
Grub-BE-Menu-2018-07-05.png	5.45 KB	07/05/2018	Michael Reynolds
GrubMenu-2018-07-05.png	5.53 KB	07/05/2018	Michael Reynolds
Progress1-2018-07-05.png	5.36 KB	07/05/2018	Michael Reynolds
Progress2-2018-07-05.png	54.8 KB	07/05/2018	Michael Reynolds
console-accessing the gui.jpeg	189 KB	07/06/2018	Bonnie Follweiler
Internal16 - 5.jpg	2.79 MB	07/06/2018	Bonnie Follweiler
Internal16 - 3.jpg	2.46 MB	07/06/2018	Bonnie Follweiler
Internal16 - 6.jpg	2.96 MB	07/06/2018	Bonnie Follweiler
Internal16 - 7.jpg	2.37 MB	07/06/2018	Bonnie Follweiler
Internal16 - 9.jpg	2.41 MB	07/06/2018	Bonnie Follweiler
Internal16 10.jpg	2.47 MB	07/06/2018	Bonnie Follweiler
Internal16 12.jpg	2.57 MB	07/06/2018	Bonnie Follweiler
Internal16 11.jpg	2.48 MB	07/06/2018	Bonnie Follweiler
Internal16 13.jpg	2.58 MB	07/06/2018	Bonnie Follweiler
Internal16 15.jpg	2.55 MB	07/06/2018	Bonnie Follweiler
Internal16 19.jpg	2.54 MB	07/06/2018	Bonnie Follweiler
Internal16 18.jpg	2.47 MB	07/06/2018	Bonnie Follweiler
Internal16 21.jpg	2.48 MB	07/06/2018	Bonnie Follweiler
Internal16 22.jpg	2.42 MB	07/06/2018	Bonnie Follweiler
Internal16 23.jpg	2.4 MB	07/06/2018	Bonnie Follweiler