

FreeNAS - Feature #41060

Improve the validation process for source and destination fields when adding storage to jails

08/08/2018 03:26 PM - Lola Yang

Status: Done	Estimated time: 0.00 hour
Priority: No priority	
Assignee: Waqar Ahmed	
Category: Middleware	
Target version: 11.2-BETA3	
Severity: Medium	Needs Merging: No
Reason for Closing:	Needs Automation: No
Reason for Blocked:	Support Suite Ticket: n/a
Needs QA: No	Hardware Configuration:
Needs Doc: No	
Description	
Related issues:	
Related to FreeNAS - Feature #42958: Adding storage to jail: help user in cre...	Closed
Related to FreeNAS - Bug #45343: Ensure destination directory exists when add...	Done
Blocks FreeNAS - Bug #40744: Update new UI version of Guide to indicate desti...	Done

Associated revisions

Revision d95307d4 - 08/15/2018 04:25 AM - Waqar Ahmed

Validation improved for jails fstab

This ticket improves the validation process for source and destination fields in jails plugin for fstab call.
Ticket: #41060

Revision 83e21ff3 - 08/15/2018 02:40 PM - Waqar Ahmed

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This ticket improves the validation process for source and destination fields in jails plugin for fstab call.
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Revision d989efaf - 08/30/2018 06:42 AM - Waqar Ahmed

Bug fix for validation in jail plugin

This commit fixes a bug which prevented valid destination paths to be rejected on validation while updating fstab of a jail.
Ticket: #41060

Revision ec12e7a6 - 08/30/2018 07:40 AM - Waqar Ahmed

tk-41060: Bug fix for validation in jail plugin (#1735)

Bug fix for validation in jail plugin

This commit fixes a bug which prevented valid destination paths to be rejected on validation while updating fstab of a jail.

History

#1 - 08/08/2018 03:26 PM - Lola Yang

- Blocks Bug #40744: Update new UI version of Guide to indicate destination directory will be automatically created if it does not exist when adding storage to a jail added

#2 - 08/09/2018 07:09 AM - Dru Lavigne

- Target version changed from Backlog to 11.2-BETA3

#3 - 08/09/2018 04:52 PM - Brandon Schneider

- Status changed from Unscreened to Not Started

#4 - 08/14/2018 05:37 AM - William Grzybowski

- Assignee changed from Brandon Schneider to Waqar Ahmed

Load-balancing from Brandon

#5 - 08/14/2018 06:54 PM - Waqar Ahmed

- Status changed from Not Started to In Progress

- Severity changed from New to Medium

#6 - 08/16/2018 04:15 AM - Waqar Ahmed

- Status changed from In Progress to Ready for Testing

PR - <https://github.com/freenas/freenas/pull/1691>

#7 - 08/16/2018 04:21 AM - Dru Lavigne

- Subject changed from if destination directory is not exist, need middleware to handle it to Improve the validation process for source and destination fields when adding storage to jails

- Needs Merging changed from Yes to No

#8 - 08/26/2018 04:53 AM - Dru Lavigne

- Related to Feature #42958: Adding storage to jail: help user in creating destination directory added

#9 - 08/27/2018 06:54 AM - Dru Lavigne

- Status changed from Ready for Testing to Passed Testing

- Needs QA changed from Yes to No

#10 - 08/27/2018 11:54 AM - Timothy Moore II

- Needs Doc changed from Yes to No

Docs PR: <https://github.com/freenas/freenas-docs/pull/327>

#11 - 08/27/2018 01:46 PM - Dru Lavigne

- Status changed from Passed Testing to Done

#12 - 08/29/2018 09:41 AM - Michael Reynolds

- Status changed from Done to Failed Testing

Specifying a destination dir off /mnt in a jail is not allowed and causes a traceback.

Using /mnt should be a valid place to mount an external dataset.

#13 - 08/29/2018 10:02 AM - Brandon Schneider

Waqar: All the plugin needs to do is strip iocroot/root off the destination, leaving the rest intact.

This allows the mountpoint /mnt/foo inside the jail, and both destination syntaxs of iocroot/destination and just /destination

#14 - 08/30/2018 06:44 AM - Bug Clerk

- Status changed from Failed Testing to In Progress

#15 - 08/30/2018 07:40 AM - Bug Clerk

- Status changed from In Progress to Ready for Testing

PR: <https://github.com/freenas/freenas/pull/1735>

#16 - 08/30/2018 08:30 AM - Dru Lavigne

- Needs QA changed from No to Yes

#17 - 09/07/2018 07:10 AM - Michael Reynolds

- Status changed from Ready for Testing to Failed Testing

This still does not work correctly.

I have a dataset configured

Went to Jails -> Jail Options (3 vertical dots) -> Mount points -> Add Mount Point

Source: /mnt/poolio/QA-41060-JailStorage

Destination: /mnt/iocage/jails/BUG-41060/root/mnt/external

The storage adds fine, but the jail cannot be started and gives the following traceback;

```
@[2018/09/07 13:55:56] (WARNING) application.call_method():182 - Exception while calling jail.start(*['41308'])
```

```
concurrent.futures.process._RemoteTraceback:
```

```
"""
```

```
Traceback (most recent call last):
```

```
File "/usr/local/lib/python3.6/concurrent/futures/process.py", line 175, in process_worker
```

```
r = call_item.fn(*call_item.args, **call_item.kwargs)
```

```
File "/usr/local/lib/python3.6/site-packages/middleware/worker.py", line 122, in main_worker
```

```
res = loop.run_until_complete(coro)
```

```
File "/usr/local/lib/python3.6/asyncio/base_events.py", line 468, in run_until_complete
```

```
return future.result()
```

```
File "/usr/local/lib/python3.6/site-packages/middleware/worker.py", line 82, in _run
```

```
return await self._call(f'{service_name}.{method}', serviceobj, methodobj, params=args, job=job)
```

```
File "/usr/local/lib/python3.6/site-packages/middleware/worker.py", line 75, in _call
```

```
return methodobj(*params)
```

```
File "/usr/local/lib/python3.6/site-packages/middleware/worker.py", line 75, in _call
```

```
return methodobj(*params)
```

```
File "/usr/local/lib/python3.6/site-packages/middleware/schema.py", line 668, in nf
```

```
return f(*args, **kwargs)
```

```
File "/usr/local/lib/python3.6/site-packages/middleware/plugins/jail.py", line 456, in start
```

```
iocage.start()
```

```
File "/usr/local/lib/python3.6/site-packages/iocage_lib/iocage.py", line 1621, in start
```

```
callback=self.callback
```

```
File "/usr/local/lib/python3.6/site-packages/iocage_lib/ioc_start.py", line 65, in init
```

```
self._start_jail__()
```

```
File "/usr/local/lib/python3.6/site-packages/iocage_lib/ioc_start.py", line 391, in start_jail
```

```
silent=self.silent)
```

```
File "/usr/local/lib/python3.6/site-packages/iocage_lib/ioc_common.py", line 80, in logit
```

```
_callback(content)
```

```
File "/usr/local/lib/python3.6/site-packages/iocage_lib/ioc_common.py", line 63, in callback
```

```
raise RuntimeError(message)
RuntimeError: jail: mount.fstab: /mnt/iocage/jails/41308/root/mnt/QA-41060-JailStorage: No such file or directory
```

""

The above exception was the direct cause of the following exception:

Traceback (most recent call last):

```
File "/usr/local/lib/python3.6/site-packages/middlewareed/main.py", line 155, in call_method
result = await self.middleware.call_method(self, message)
File "/usr/local/lib/python3.6/site-packages/middlewareed/main.py", line 1033, in call_method
return await self._call(message['method'], serviceobj, methodobj, params, app=app, io_thread=False)
File "/usr/local/lib/python3.6/site-packages/middlewareed/main.py", line 970, in call
return await self._call_worker(serviceobj, name, *args)
File "/usr/local/lib/python3.6/site-packages/middlewareed/main.py", line 997, in _call_worker
job,
File "/usr/local/lib/python3.6/site-packages/middlewareed/main.py", line 928, in run_in_proc
return await self.run_in_executor(self._procpool, method, *args, **kwargs)
File "/usr/local/lib/python3.6/site-packages/middlewareed/main.py", line 913, in run_in_executor
return await loop.run_in_executor(pool, functools.partial(method, *args, **kwargs))
RuntimeError: jail: mount.fstab: /mnt/iocage/jails/41308/root/mnt/QA-41060-JailStorage: No such file or directory
```

[2018/09/07 13:55:56] (DEBUG) middlewareed.logger.CrashReporting.report():102 - Sending a crash report...

[2018/09/07 13:55:56] (DEBUG) raven.base.Client.send_remote():716 - Sending message of length 3164 to <https://sentry.ixsystems.com/api/2/store/>
@

Added the same external storage to /media using a different jail and the jail started with no issues.

Another side effect, after getting the initial popup error, the jail can be started, and a Shell can be started but only makes it as far as saying "jail: mount.fstab: /mnt/iocage/jails/BUG-41060/root/mnt/external: No such file or directory"

#18 - 09/07/2018 07:56 AM - Michael Reynolds

this ticket passes, but the destination dir must exist.
Destination dir must exist is an new bug

#19 - 09/07/2018 07:57 AM - Michael Reynolds

- Status changed from Failed Testing to Passed Testing
- Needs QA changed from Yes to No

#20 - 09/07/2018 09:07 AM - Waqar Ahmed

- Related to Bug #45343: Ensure destination directory exists when adding storage to a jail added

#21 - 09/07/2018 09:48 AM - Dru Lavigne

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

The remaining work will occur on the related ticket.