

FreeNAS - Bug #27489

Sanitize IP addresses when set using iocage

12/29/2017 01:04 AM - M Van Rompuy

Status:	Done	
Priority:	Important	
Assignee:	Brandon Schneider	
Category:	Middleware	
Target version:	11.2-BETA1	
Seen in:	11.1	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 creating a new iocage jail (using the new UI), I accidentally started the 'IPv4 Address' field with a space. The jail started up fine and did have network connectivity but I was unable to stop the jail (both via the GUI and iocage stop/restart) due to a failing ifconfig call in ioc_stop.py.

To prevent this from happening, whitespaces could be stripped when creating/adjusting the jail via the GUI (or at least warn the user).

IPv4 Address contents to reproduce issue (without quotes):

```
' bridge0|192.168.1.10/24'
```

Error message:

```
~ # iocage stop jail_name
* Stopping jail_name
+ Running prestop OK
+ Stopping services OK
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-packages/iocage/lib/ioc_stop.py", line 241
, in __stop_jail__
    stderr=su.STDOUT)
  File "/usr/local/lib/python3.6/site-packages/iocage/lib/ioc_common.py", line 4
51, in checkoutput
    out = su.check_output(*args, **kwargs)
  File "/usr/local/lib/python3.6/subprocess.py", line 336, in check_output
    **kwargs).stdout
  File "/usr/local/lib/python3.6/subprocess.py", line 418, in run
    output=stdout, stderr=stderr)
subprocess.CalledProcessError: Command '['ifconfig', ' bridge0', '192.168.1.10',
'-alias']' returned non-zero exit status 1.
```

During handling of the above exception, another exception occurred:

```
Traceback (most recent call last):
  File "/usr/local/bin/iocage", line 10, in <module>
    sys.exit(cli())
  File "/usr/local/lib/python3.6/site-packages/click/core.py", line 722, in __ca
ll__
    return self.main(*args, **kwargs)
  File "/usr/local/lib/python3.6/site-packages/click/core.py", line 697, in main
    rv = self.invoke(ctx)
```

```
File "/usr/local/lib/python3.6/site-packages/click/core.py", line 1066, in invoke
    return _process_result(sub_ctx.command.invoke(sub_ctx))
File "/usr/local/lib/python3.6/site-packages/click/core.py", line 895, in invoke
    return ctx.invoke(self.callback, **ctx.params)
File "/usr/local/lib/python3.6/site-packages/click/core.py", line 535, in invoke
    return callback(*args, **kwargs)
File "/usr/local/lib/python3.6/site-packages/iocage/cli/stop.py", line 54, in cli
    ioc.IOCage(exit_on_error=True, jail=jail, rc=rc).stop()
File "/usr/local/lib/python3.6/site-packages/iocage/lib/iocage.py", line 1649, in stop
    exit_on_error=self.exit_on_error)
File "/usr/local/lib/python3.6/site-packages/iocage/lib/ioc_stop.py", line 52, in __init__
    self.__stop_jail__()
File "/usr/local/lib/python3.6/site-packages/iocage/lib/ioc_stop.py", line 252, in __stop_jail__
    err.output.decode("utf-8").strip())
RuntimeError: ifconfig: interface bridge0 does not exist
```

Adjusting the field to:

```
'bridge0|192.168.1.10/24'
```

resolves the issue and allowed me to stop the jail as expected.

History

#1 - 12/29/2017 06:57 AM - Kris Moore

- Category changed from GUI (new) to 38
- Assignee changed from Release Council to Brandon Schneider
- Priority changed from No priority to Important
- Target version set to 11.2-BETA1

Brandon,

Is this something you can easily sanitize on the API side? I'm thinking of the case where user drives API directly, and could have a whitespace there as well.

#2 - 01/04/2018 09:47 PM - Brandon Schneider

- Status changed from Unscreened to Ready For Release

Fixed upstream in <https://github.com/iocage/iocage/commit/a40c067c171be6181f5b3ff0fec2d3b3a51e54b>

#3 - 01/24/2018 01:16 PM - Dru Lavigne

- Subject changed from Unable to stop/restart iocage jail when ipv4 address starts with whitespace to Sanitize IP addresses when set using iocage
- Status changed from Ready For Release to Done
- Needs Doc changed from Yes to No
- Needs Merging changed from Yes to No

#4 - 05/02/2018 05:39 AM - Dru Lavigne

- Status changed from Done to Ready for Testing

#5 - 06/12/2018 12:45 PM - Michael Reynolds

- Status changed from Ready for Testing to Passed Testing

- Severity set to New

- Needs QA changed from Yes to No

The Jail Wizard only allows a single IP address to be entered via regex validation so entering "bridge0|192.168.1.10/24" isn't possible.

Using Jail Add (Advanced Jail creation) I was able to enter ' vnet1|192.168.1.10/24' (notice preceding space) and was able to start and stop the jail without issue.

The IP/interface is invalid but this bug is not to prevent invalid input. This bug is to allow a jail with an invalid interface to be stopped. This allows the interface to be fixed.

Jail Add (Advanced Creation) is for use by more experienced people. Validating and/or preventing invalid input should be another bug.

Confirmed all of this with Brandon as well

#6 - 06/13/2018 05:05 AM - Dru Lavigne

- Status changed from Passed Testing to Done