

## FreeNAS - Bug #40788

### Use CallError on rrdtool failure

08/04/2018 08:00 PM - Scott Finlon

|                            |                    |                                  |
|----------------------------|--------------------|----------------------------------|
| <b>Status:</b>             | Done               |                                  |
| <b>Priority:</b>           | No priority        |                                  |
| <b>Assignee:</b>           | William Grzybowski |                                  |
| <b>Category:</b>           | Middleware         |                                  |
| <b>Target version:</b>     | 11.2-BETA3         |                                  |
| <b>Seen in:</b>            | 11.2-BETA2         | <b>Needs Merging:</b> No         |
| <b>Severity:</b>           | Medium             | <b>Needs Automation:</b> No      |
| <b>Reason for Closing:</b> |                    | <b>Support Suite Ticket:</b> n/a |
| <b>Reason for Blocked:</b> |                    | <b>Hardware Configuration:</b>   |
| <b>Needs QA:</b>           | No                 | <b>ChangeLog Required:</b> No    |
| <b>Needs Doc:</b>          | No                 |                                  |

#### Description

I have a few VLAN interfaces on my FreeNAS, and I think that's causing the rrdtool to go a bit haywire. The graphs just spin, and the logs are constant errors.

```
[2018/08/05 02:55:40] (DEBUG) middlewared.logger.CrashReporting.report():97 - Sending a crash report...
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[2018/08/05 02:55:40] (ERROR) sentry.errors.uncaught._log_failed_submission():702 - ["ValueError: rrdtool failed: ERROR: opening '/var/db/collectd/rrd/localhost//interface-interface-tap5/if_octets.rrd': No such file or directory\n", ' File "middlewared/main.py", line 154, in call_method', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "middlewared/main.py", line 1013, in call_method', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "middlewared/main.py", line 953, in _call', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "middlewared/schema.py", line 658, in nf', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "plugins/stats.py", line 113, in get_data']
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```



```
[2018/08/05 02:55:41] (ERROR) sentry.errors.uncaught._log_failed_submission():702 - ['ValueError: rrdtool failed: ERROR: bad CF: rx\n', ' File "middlewared/main.py", line 154, in call_method', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "middlewared/main.py", line 1013, in call_method', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "middlewared/main.py", line 953, in _call', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "middlewared/schema.py", line 658, in nf', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "plugins/stats.py", line 113, in get_data']
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[2018/08/05 02:55:41] (ERROR) sentry.errors.uncaught._log_failed_submission():702 - ["ValueError: rrdtool failed: ERROR: opening '/var/db/collectd/rrd/localhost//interface-interface-bridge2/if_octets.rrd': No such file or directory\n", ' File "middlewared/main.py", line 154, in call_method', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "middlewared/main.py", line 1013, in call_method', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "middlewared/main.py", line 953, in _call', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "middlewared/schema.py", line 658, in nf', ' File "asyncio/coroutines.py", line 110, in __next__', ' File "plugins/stats.py", line 113, in get_data']
```

#### Related issues:

Copied to FreeNAS - Bug #40860: rrdtool failed: ERROR: bad CF

Closed

Copied to FreeNAS - Bug #41365: Avoid sending dozens of crash reports filling...

Done

#### Associated revisions

##### Revision 4e45c615 - 08/06/2018 12:05 PM - William Grzybowski

fix(middlewared/stats): use CallError on rrdtool failure

Ticket: #40788

##### Revision 68f0e577 - 08/06/2018 12:14 PM - William Grzybowski

fix(middlewared/stats): use CallError on rrdtool failure

Ticket: #40788

#### History

##### #1 - 08/05/2018 07:57 AM - Dru Lavigne

- Assignee changed from Release Council to William Grzybowski

- Private changed from No to Yes

##### #2 - 08/06/2018 05:19 AM - Scott Finlon

Not sure if I should file a separate bug report, but because rrdtool and middleware are going nuts and grabbing up all available memory while they are at it, I'm getting VM errors that they don't have sufficient memory on the box, but it appears to be related to this.

Error: Traceback (most recent call last):

```
File "/usr/local/lib/python3.6/site-packages/middlewared/main.py", line 154, in call_method
    result = await self.middleware.call_method(self, message)
File "/usr/local/lib/python3.6/asyncio/coroutines.py", line 110, in __next__
    return self.gen.send(None)
File "/usr/local/lib/python3.6/site-packages/middlewared/main.py", line 1013, in call_method
    return await self._call(message['method'], serviceobj, methodobj, params, app=app, io_thread=False)
File "/usr/local/lib/python3.6/asyncio/coroutines.py", line 110, in __next__
    return self.gen.send(None)
File "/usr/local/lib/python3.6/site-packages/middlewared/main.py", line 953, in _call
```

```
    return await methodobj(*args)
File "/usr/local/lib/python3.6/asyncio/coroutines.py", line 110, in __next__
    return self.gen.send(None)
File "/usr/local/lib/python3.6/site-packages/middleware/schema.py", line 658, in nf
    return await f(*args, **kwargs)
File "/usr/local/lib/python3.6/asyncio/coroutines.py", line 110, in __next__
    return self.gen.send(None)
File "/usr/local/lib/python3.6/site-packages/middleware/plugins/vm.py", line 1019, in start
    await self.__init_guest_vmemory(id)
File "/usr/local/lib/python3.6/asyncio/coroutines.py", line 110, in __next__
    return self.gen.send(None)
File "/usr/local/lib/python3.6/site-packages/middleware/plugins/vm.py", line 842, in __init_guest_vmemory
    raise CallError(f'Cannot guarantee memory for guest id: {id}')
middleware.service_exception.CallError: [EFAULT] Cannot guarantee memory for guest id: 19
```

### #3 - 08/06/2018 05:27 AM - William Grzybowski

- Copied to Bug #40860: rrdtool failed: ERROR: bad CF added

### #4 - 08/06/2018 05:31 AM - William Grzybowski

- Status changed from Unscreened to Not Started
- Target version changed from Backlog to 11.2-BETA3
- Severity changed from New to Medium

Scott Finlon wrote:

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[...]

How can you be sure middleware and rrdtool are grabbing all the memory?

### #5 - 08/06/2018 05:41 AM - Scott Finlon

William Grzybowski wrote:

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[...]

How can you be sure middlewared and rrdtool are grabbing all the memory?

I am not 100% sure, but it appears to be.

However:

- All signs point at them being the culprit, because this memory issue only started in 11.2-BETA2, and only after the other errors started.
- I am currently running a single VM and a single jail, where under 11.1 I had something stupid like 5 VMs and 7 jails all going without a hitch.
- The traceback points to a middleware process, which is already throwing massive amounts of errors  
`"/usr/local/lib/python3.6/site-packages/middlewared/main.py"``
- monitoring usage via ps aux and htop show an inordinate amount processes being spun up by middleware and rrdtool

Again, I'm not sure, that's why I added it here, if you would rather I can easily create a new bug ticket, but that's why I asked.

**#6 - 08/06/2018 05:49 AM - William Grzybowski**

Scott Finlon wrote:

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How can you be sure middlewared and rrdtool are grabbing all the memory?

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However:

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This seems to be a different issue. you have 18GB of RAM wired to the kernel, as ZFS ARC. Thats why its not letting you to run more VMs.

You can probably workaroud it by rebooting and starting the VMs right after boot.

**#7 - 08/06/2018 05:55 AM - Scott Finlon**

zfs arc max is limited to 18 gig, I have 32 in the box, so that's still 14 gig remaining, with the lone VM using 4 gig, that still should be 10 gig left. I did reboot, and the VM's started but now rancher is totally broken and doesn't want to start so I have other things to figure out at the moment.

**#8 - 08/06/2018 12:07 PM - Bug Clerk**

- Status changed from *Not Started* to *In Progress*

**#9 - 08/06/2018 12:17 PM - Dru Lavigne**

- File deleted (*debug (1).tgz*)

**#10 - 08/06/2018 12:18 PM - Dru Lavigne**

- Status changed from *In Progress* to *Ready for Testing*

- Private changed from *Yes* to *No*

- Needs Merging changed from *Yes* to *No*

Master PR: <https://github.com/freenas/freenas/pull/1654>

**#11 - 08/06/2018 12:18 PM - Dru Lavigne**

- Subject changed from *rrdtool failed: ERROR: bad CF to Use CallError on rrdtool failure*

- Needs Doc changed from *Yes* to *No*

**#12 - 08/13/2018 07:22 AM - William Grzybowski**

- Copied to Bug #41365: *Avoid sending dozens of crash reports filling up thread pool added*

**#14 - 09/05/2018 12:48 PM - Bonnie Follweiler**

- Status changed from *Ready for Testing* to *Passed Testing*

- Needs QA changed from *Yes* to *No*

Test Passed in FreeNAS-11.2-MASTER-201809050856

**#15 - 09/05/2018 12:50 PM - Dru Lavigne**

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