## devops - Bug #11388

/\usr/bin/ceph from ceph-common is broken without installing ceph

04/14/2015 01:40 PM - Jens Rosenboom

<table>
<thead>
<tr>
<th>Status:</th>
<th>Resolved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Ken Dreyer</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Reviewed:</td>
</tr>
<tr>
<td>Tags:</td>
<td>Affected Versions:</td>
</tr>
<tr>
<td>Backport:</td>
<td>hammer</td>
</tr>
<tr>
<td>Regression:</td>
<td>No</td>
</tr>
<tr>
<td>Severity:</td>
<td></td>
</tr>
</tbody>
</table>

### Description

```
~# ceph
Traceback (most recent call last):
  File "/usr/bin/ceph", line 74, in <module>
    from ceph_argparse import \ 
ImportError: No module named ceph_argparse
```

Reason is that ceph_argparse.py is now packaged in ceph instead of python-ceph, as was the case up to giant.

```
~# dpkg -S /usr/lib/python2.7/dist-packages/ceph_argparse.py
ceph: /usr/lib/python2.7/dist-packages/ceph_argparse.py
```

### Related issues:

Copied to Backport #11998: /usr/bin/ceph from ceph-common is broken without i... Resolved 04/14/2015

### History

**#1 - 04/14/2015 01:57 PM - Ken Dreyer**

Confirmed; "/usr/bin/ceph" is in ceph-common, but "ceph_argparse.py" is not: https://github.com/ceph/ceph/blob/v0.94/debian/ceph-common.install

I think the problem is in https://github.com/ceph/ceph/commit/2a23eac54957e596d99985bb9e187a668251a9ec . The commit log says "move argparse to ceph-common", but that's not what the commit does - it moves it to the main "ceph" package instead.

Given that we desire the following:

1. /usr/bin/ceph should remain in ceph-common
2. /usr/bin/ceph's dependencies should be fully-satisfied by the packaging metadata (it should not crash)
3. The Debian and Red Hat packaging file lists should be aligned, and the Red Hat packaging does ship ceph_argparse.py in the ceph-common RPM.

... the solution here is to move ceph_argparse.py out of the "ceph" deb and into the "ceph-common" deb.
#2 - 04/14/2015 02:24 PM - Yuri Weinstein
- Project changed from Stable releases to devops
- Affected Versions deleted ()

#3 - 04/14/2015 02:30 PM - Ken Dreyer
- Status changed from New to In Progress

Branch for master: https://github.com/ceph/ceph/tree/wip-11388-debian-argparse
Branch for hammer: https://github.com/ceph/ceph/tree/wip-11388-hammer-debian-argparse

#4 - 04/14/2015 02:31 PM - Ken Dreyer
- Assignee set to Ken Dreyer

#5 - 04/14/2015 03:12 PM - Ken Dreyer
Jens, our "gitbuilder" CI system has built the branches in Git that I've posted above. Can you test the ceph-common package here? (Ideally you'd uninstall "ceph" to be sure this is working as you'd expect.)

http://gitbuilder.ceph.com/ceph-deb-precise-x86_64-basic/ref/wip-11388-hammer-debian-argparse/

There are general instructions for testing gitbuilder packages, here: http://ceph.com/docs/master/install/get-packages/#add-ceph-development

As you can see in the URL above, the branch name with my fix is "wip-11388-hammer-debian-argparse"

#6 - 04/14/2015 03:55 PM - Jens Rosenboom
Tested the new package and it works fine.

Thanks for the fast solution.

#7 - 04/14/2015 04:17 PM - Jens Rosenboom
Minor nit about the commit message: The library is called ceph_argparse, there is a different global python library called argparse, so maybe you can be more explicit there to avoid confusion.

#8 - 04/14/2015 04:30 PM - Ken Dreyer
That's a great catch, thanks Jens.

I've amended the commit message and re-pushed to the branch for master: https://github.com/ceph/ceph/tree/wip-11388-debian-argparse

Since this touches the debian files as well, this PR might conflict with the one currently under review, at https://github.com/ceph/ceph/pull/4353 - As soon as that one is merged, I'll submit this one.

#9 - 05/20/2015 10:01 PM - Ken Dreyer
- Tracker changed from Tasks to Bug
- Status changed from In Progress to Pending Backport
- Regression set to No
#10 - 06/12/2015 07:26 PM - Nathan Cutler
- Backport set to hammer

#11 - 06/29/2015 07:27 AM - Jens Rosenboom
Any chance to get this fix backported into hammer soon? Turns out that 0.94.2 is still broken.

#12 - 06/29/2015 11:31 PM - Ken Dreyer
( For the record, the PR where this was merged to master is [https://github.com/ceph/ceph/pull/4517](https://github.com/ceph/ceph/pull/4517) )

#13 - 07/29/2015 07:05 AM - Nathan Cutler
- Status changed from Pending Backport to Resolved