

Ceph - Bug #3662

mkcephfs --mkfs is not inserting any default settings

12/20/2012 05:00 PM - Anonymous

Status:	Won't Fix	Start date:	12/20/2012
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	2.00 hours
Source:	Development	Reviewed:	
Tags:		Affected Versions:	
Backport:		ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:			

Description

It was my understanding that "sudo mkcephfs -a -c ceph.conf -k ceph.keyring --mkfs" would format a device with btrfs (the default) if the ceph.conf file does not have any specific setting for mkfs or mkfs options

I have tried a variety of not defining anything. and they all fail with "No filesystem type defined".

I am filing this as a bug, because we have been told that if nothing is defined, it defaults to btrfs.

easily reproducible.

error:

```
No filesystem type defined!  
fs was not made, nothing mounted
```

All variations below tested =====

```
[osd.2]  
host = burnupi41  
osd data = /var/lib/ceph/osd/ceph-2  
devs = /dev/sdd1  
osd mkfs type =
```

1. osd mkfs options btrfs =
2. osd mount options btrfs = =====
[osd.11]
host = burnupi42
osd data = /var/lib/ceph/osd/ceph-11
devs = /dev/sde1
osd mkfs type =
osd mkfs options btrfs =
osd mount options btrfs = =====
[osd.16]
host = burnupi43
osd data = /var/lib/ceph/osd/ceph-16
devs = /dev/sdb1
osd mkfs type =
osd mkfs options =
osd mount options = =====
[osd.27]
host = burnupi44
osd data = /var/lib/ceph/osd/ceph-27
devs = /dev/sde1
3. osd mkfs type = btrfs
4. osd mkfs options btrfs =
5. osd mount options btrfs =

History

#1 - 12/20/2012 07:15 PM - Dan Mick

- Project changed from Linux kernel client to Ceph

#2 - 12/20/2012 07:42 PM - Dan Mick

The algorithm appears to be

1) if 'devs' is not defined, look for 'btrfs devs'; if that's defined, use those for the devs to create filesystems on (otherwise, complain 'no devs defined for <name>':

Then, assuming there are devs defined:

2) if 'osd mkfs type' is not defined, look for 'btrfs devs', and if that's defined, use those devs and set fs_type to btrfs. Otherwise, complain "No filesystem type defined!"

Your text above appears to have been wrapped oddly, but from what I can see, I would have expected some of those cases to work?...

#3 - 12/21/2012 02:23 PM - Anonymous

ok, looks like my conf settings got munged.

let's try this again

i was trying to get the mkcephfs to create a default btrfs filesystem (as documented) by not specifying any fs. this did not work at all.

This one I left no entry after "osd mkfs type =", and commented out all options:

```
[osd.2]
host = burnupi41
osd data = /var/lib/ceph/osd/ceph-2
devs = /dev/sdd1
osd mkfs type =
```

1. osd mkfs options btrfs =
2. osd mount options btrfs =

on osd.11, i just left all the entries blank, but left in the options fstype, btrfs:

```
[osd.11]
host = burnupi42
osd data = /var/lib/ceph/osd/ceph-11
devs = /dev/sde1
osd mkfs type =
osd mkfs options btrfs =
osd mount options btrfs =
```

on osd.16, i left all lines blank, but took out the options fstype:

```
[osd.16]
host = burnupi43
osd data = /var/lib/ceph/osd/ceph-16
devs = /dev/sdb1
osd mkfs type =
osd mkfs options =
osd mount options =
```

on osd.27, I commented out all the type and options lines....

```
[osd.27]
host = burnupi44
osd data = /var/lib/ceph/osd/ceph-27
devs = /dev/sde1
```

1. osd mkfs type = btrfs
2. osd mkfs options btrfs =
3. osd mount options btrfs =

#4 - 12/21/2012 02:36 PM - Anonymous

anywhere I inserted a hash "#", this lovely program made them into numbered columns, so if you see a block with

```
x
y
z
1. x
2. y
```

you should replace the 1 and the 2 with "#" instead.

sigh...
stupid munging code....

#5 - 08/23/2013 03:14 PM - Sage Weil

- Status changed from New to Won't Fix