

Ceph - Bug #13214

ceph upstart script rbdmap.conf incorrectly processes parameters

09/23/2015 07:28 PM - Wyllys Ingersoll

Status:	Resolved	% Done:	0%
Priority:	Normal	Spent time:	0.00 hour
Assignee:			
Category:	common		
Target version:			
Source:	other	Reviewed:	
Tags:		Affected Versions:	
Backport:	infernalis,hammer	ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:	3 - minor	Crash signature:	

Description

The upstart script for mapping rbd devices incorrectly creates the "CMDPARAMS" value such that it becomes cumulative for every device being mapped.

```
while read DEV PARAMS; do
  case "$DEV" in
    ""|\#*)
      continue
      ;;
    */*)
      ;;
    *)
      DEV=rbd/$DEV
      ;;
  esac
  for PARAM in $(echo $PARAMS | tr ',' '\n'); do
    CMDPARAMS="$CMDPARAMS --$(echo $PARAM | tr '=' ' ')"
  done
  if [ ! -b /dev/rbd/$DEV ]; then
    echo "rbd map $DEV"
    rbd map $DEV $CMDPARAMS
  fi
done < $RBDMAPFILE
```

See that "\$CMDPARAMS" is constantly growing with each line that gets processed. It needs to be unique for each line, and not accumulate the options associated with previous lines.

Fix:

Change:

```
for PARAM in $(echo $PARAMS | tr ',' '\n'); do
  CMDPARAMS="$CMDPARAMS --$(echo $PARAM | tr '=' ' ')"
done
```

To:

```
for PARAM in $(echo $PARAMS | tr ',' '\n'); do
```

```
CMDPARAMS="--$(echo $PARAM | tr '=' ' ')"
done
```

Related issues:

Copied to Ceph - Backport #13341: ceph upstart script rbdmap.conf incorrectly...	Resolved
Copied to Ceph - Backport #13342: ceph upstart script rbdmap.conf incorrectly...	Resolved

Associated revisions

Revision 02113ac4 - 09/30/2015 12:29 PM - Sage Weil

init-rbdmap: fix CMDPARAMS

Fixes: #13214

Reported-by: Wyllys Ingersoll <wyllys.ingersoll@keepertech.com>

Signed-off-by: Sage Weil <sage@redhat.com>

Revision 6e29e904 - 10/02/2015 02:08 PM - Sage Weil

init-rbdmap: fix CMDPARAMS

Fixes: #13214

Reported-by: Wyllys Ingersoll <wyllys.ingersoll@keepertech.com>

Signed-off-by: Sage Weil <sage@redhat.com>

(cherry picked from commit 02113ac449cd7631f1c9a3840c94bbf253c052bd)

Revision a2c6a212 - 11/20/2015 08:15 AM - Sage Weil

init-rbdmap: fix CMDPARAMS

Fixes: #13214

Reported-by: Wyllys Ingersoll <wyllys.ingersoll@keepertech.com>

Signed-off-by: Sage Weil <sage@redhat.com>

(cherry picked from commit 02113ac449cd7631f1c9a3840c94bbf253c052bd)

History

#1 - 09/23/2015 07:31 PM - Wyllys Ingersoll

Correction, the fix is to make sure CMDPARAMS is reset for each new set of parameters being processed:

```
CMDPARAMS=""
for PARAM in $(echo $PARAMS | tr ',' '\n'); do
    CMDPARAMS="$CMDPARAMS --$(echo $PARAM | tr '=' ' ')"
done
```

#2 - 09/24/2015 10:45 AM - Loic Dachary

- Target version deleted (v0.94.4)

#3 - 09/29/2015 02:57 PM - Sage Weil

- Status changed from New to Fix Under Review
- Backport set to hammer

<https://github.com/ceph/ceph/pull/6109>

#4 - 09/30/2015 12:32 PM - Sage Weil

- Status changed from Fix Under Review to Pending Backport
- Backport changed from hammer to infernalis,hammer

#5 - 12/14/2015 02:52 PM - Loic Dachary

- Status changed from Pending Backport to Resolved