

Ceph - Bug #14844

rpm package building fails if the build machine has lttng and babeltrace development packages installed locally

02/23/2016 06:29 AM - runsisi hust

Status:	Resolved	Start date:	02/23/2016
Priority:	Urgent	Due date:	
Assignee:	Kefu Chai	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Source:	other	Reviewed:	
Tags:		Affected Versions:	
Backport:	hammer, infernalis	ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:	3 - minor		

Description

OS:

```
LSB Version: :core-4.1-amd64:core-4.1-noarch
Distributor ID: CentOS
Description: CentOS Linux release 7.2.1511 (Core)
Release: 7.2.1511
Codename: Core
```

with lttng and babeltrace development packages installed:

```
[runsisi@hust ~]$ rpm -qa | grep lttng
lttng-ust-2.7.1-1.el7.x86_64
lttng-ust-devel-2.7.1-1.el7.x86_64
[runsisi@hust ~]$ rpm -qa | grep babeltrace
babeltrace-devel-1.3.1-1.el7.x86_64
babeltrace-1.3.1-1.el7.x86_64
```

when building the latest rpm package for ceph, i.e. 10.0.2 from tarball or the latest git version, following errors occurs:

```
error: Installed (but unpackaged) file(s) found:
  /usr/bin/rbd-replay-prep
  /usr/lib64/libos_tp.so
  /usr/lib64/libos_tp.so.1
  /usr/lib64/libos_tp.so.1.0.0
  /usr/lib64/libosd_tp.so
  /usr/lib64/libosd_tp.so.1
  /usr/lib64/libosd_tp.so.1.0.0
  /usr/lib64/librados_tp.so
  /usr/lib64/librados_tp.so.2
  /usr/lib64/librados_tp.so.2.0.0
  /usr/lib64/librbd_tp.so
  /usr/lib64/librbd_tp.so.1
  /usr/lib64/librbd_tp.so.1.0.0
```

RPM build errors:

```
Installed (but unpackaged) file(s) found:
  /usr/bin/rbd-replay-prep
  /usr/lib64/libos_tp.so
```

```
/usr/lib64/libos_tp.so.1
/usr/lib64/libos_tp.so.1.0.0
/usr/lib64/libosd_tp.so
/usr/lib64/libosd_tp.so.1
/usr/lib64/libosd_tp.so.1.0.0
/usr/lib64/librados_tp.so
/usr/lib64/librados_tp.so.2
/usr/lib64/librados_tp.so.2.0.0
/usr/lib64/librbd_tp.so
/usr/lib64/librbd_tp.so.1
/usr/lib64/librbd_tp.so.1.0.0
```

the ceph.spec.in only enables lttng/babeltrace for RHEL/CentOS 6:

```
%if 0%{?fedora} || 0%{?rhel} == 6 || 0%{?suse_version} == 1315
%global _with_lttng 1
%endif
```

while the configure.ac auto enables lttng/babeltrace if it detects:

```
AS_IF([test "x$with_lttng" = "xno"], [use_lttng=no],
      [test "x$with_lttng" = "xyes"], [use_lttng=yes],
      [test "x$have_good_lttng_gen_tp" = "xyes"], [use_lttng=yes; AC_MSG_NOTICE([lttng auto-enabled])],
      [use_lttng=no; AC_MSG_NOTICE([lttng auto-disabled])])
AM_CONDITIONAL([WITH_LTTNG], test x"$use_lttng" = x"yes")
```

and

```
AS_IF([test "x$with_babeltrace" = "xno"], [use_babeltrace=no],
      [test "x$with_babeltrace" = "xyes"], [use_babeltrace=yes],
      [test "x$ac_cv_header_babeltrace_ctf_events_h$ac_cv_header_babeltrace_babeltrace_h$have_good_babeltrace" = "xyesyesyes"], [use_babeltrace=yes; AC_MSG_NOTICE([babeltrace auto-enabled])],
      [use_babeltrace=no; AC_MSG_NOTICE([babeltrace auto-disabled])])
AM_CONDITIONAL([WITH_BABELTRACE], test x"$use_babeltrace" = x"yes")
```

so, we should either disable the auto enabled lttng/babeltrace detection or build with-lttng on **RHEL/CentOS 7**

Related issues:

Copied to Ceph - Backport #15382: hammer: rpm package building fails if the b...

Resolved

Copied to Ceph - Backport #15498: infernalis: rpm package building fails if t...

Resolved

Associated revisions

Revision f1a44907 - 03/12/2016 03:07 AM - Kefu Chai

ceph.spec.in: disable lttng and babeltrace explicitly

before this change, we do not package tracepoint probe shared libraries on rhel7. but "configure" script enables them if lttng is detected. and rpm complains at seeing installed but not packaged files. as EPEL-7 now includes lttng-ust-devel and libbabeltrace-devel, we'd better BuildRequire them, and build with them unless disabled otherwise. so in this change

- make "lttng" an rpm build option enabled by default
- BuildRequire lttng-ust-devel and libbabeltrace-devel if the "lttng" "lttng" option is enabled

- --without-ltng --without-babeltrace if the "ltng" option is disabled

Fixes: #14844

Signed-off-by: Kefu Chai <kchai@redhat.com>

Revision 77a4ed0a - 04/05/2016 09:59 AM - Loic Dachary

ceph.spec.in: disable ltng and babeltrace explicitly

before this change, we do not package tracepoint probe shared libraries on rhel7. but "configure" script enables them if ltng is detected. and rpm complains at seeing installed but not packaged files. as EPEL-7 now includes ltng-ust-devel and libbabeltrace-devel, we'd better BuildRequire them, and build with them unless disabled otherwise. so in this change

- make "ltng" an rpm build option enabled by default
- BuildRequire ltng-ust-devel and libbabeltrace-devel if the "ltng" "ltng" option is enabled
- --without-ltng --without-babeltrace if the "ltng" option is disabled

Fixes: #14844

Signed-off-by: Kefu Chai <kchai@redhat.com>

(cherry picked from commit f1a44907a2f83cb8080cd8ab5980a30306a33fbd)

Conflicts:

ceph.spec.in: trivial resolution, the context changed (other packages, files etc.) but the semantic did not

Revision b338815e - 04/15/2016 02:23 AM - Kefu Chai

ceph.spec.in: disable ltng and babeltrace explicitly

before this change, we do not package tracepoint probe shared libraries on rhel7. but "configure" script enables them if ltng is detected. and rpm complains at seeing installed but not packaged files. as EPEL-7 now includes ltng-ust-devel and libbabeltrace-devel, we'd better BuildRequire them, and build with them unless disabled otherwise. so in this change

- make "ltng" an rpm build option enabled by default
- BuildRequire ltng-ust-devel and libbabeltrace-devel if the "ltng" "ltng" option is enabled
- --without-ltng --without-babeltrace if the "ltng" option is disabled

Fixes: #14844

Signed-off-by: Kefu Chai <kchai@redhat.com>

(cherry picked from commit f1a44907a2f83cb8080cd8ab5980a30306a33fbd)

Conflicts:

ceph.spec.in

History

#1 - 02/25/2016 02:25 AM - xie xingguo

- Assignee set to Kefu Chai

@Kefu Chai

Would you mind having a look at this?

#2 - 03/01/2016 06:02 AM - Kefu Chai

- Status changed from New to Need Review

- Priority changed from Normal to Low

<https://github.com/ceph/ceph/pull/7857>

#3 - 03/01/2016 06:33 PM - Ken Dreyer

I'd really like to get lttng and babeltrace into EPEL 7. This bug prompted me to go ahead and do builds for that.

babeltrace: <https://bodhi.fedoraproject.org/updates/FEDORA-EPEL-2016-8c74b0b27f>

lttng-ust: <https://bodhi.fedoraproject.org/updates/FEDORA-EPEL-2016-200bd827c6>

It's going to take a couple weeks for the packages to go through the epel-testing process in bodhi.fedoraproject.org. You can make it go faster by installing the packages now and logging into Bodhi and providing karma. When the updates hit the stable karma threshold (3 positive), then they will go to the EPEL 7 stable repository.

#4 - 03/02/2016 09:42 AM - Kefu Chai

Ken, thanks for your work! the packages install just fine in my centos7 box. 1 more karma needed for them.

#5 - 03/30/2016 09:18 AM - Kefu Chai

- Status changed from Need Review to Resolved

#6 - 04/05/2016 09:48 AM - Loic Dachary

- Status changed from Resolved to Pending Backport

- Backport set to hammer

#7 - 04/05/2016 09:48 AM - Loic Dachary

- Copied to Backport #15382: hammer: rpm package building fails if the build machine has lttng and babeltrace development packages installed locally added

#8 - 04/13/2016 06:41 PM - Samuel Just

- Priority changed from Low to Urgent

- Backport changed from hammer to hammer, infernalis

Messing up infernalis build?

#9 - 04/14/2016 12:02 PM - Nathan Cutler

- Copied to Backport #15498: infernalis: rpm package building fails if the build machine has lttng and babeltrace development packages installed locally added

#10 - 04/15/2016 05:15 PM - Dan Mick

I pushed a fix to infernalis

<https://github.com/ceph/ceph/pull/8589>

8224952b3fcd496f531194b8570d2f2c849bb04b

#11 - 04/15/2016 06:32 PM - Nathan Cutler

- *Status changed from Pending Backport to Resolved*