

Arvados - Story #12268

Update to standard libcloud 2.x

09/14/2017 08:55 PM - Tom Morris

Status: Resolved	Start date: 09/14/2017
Priority: Normal	Due date:
Assigned To: Lucas Di Pentima	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version: 2018-03-14 Sprint	
Description We want to stop using a private fork of libcloud, but we need the regression in the current version fixed and release first. PR: https://github.com/apache/libcloud/pull/1110 Libcloud 2.2.1 was released September 21, 2017.	
Subtasks:	
Task # 12367: Review 12268-libcloud-2-3-0	Resolved
Task # 13181: Review 12268-libcloud230-official	Resolved
Task # 13189: Review 12268-build-fix	Resolved

Associated revisions

Revision 6331a6c3 - 02/02/2018 07:24 PM - Lucas Di Pentima

Merge branch '12268-libcloud-2-3-0'
Refs #12268

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <ldipentima@veritasgenetics.com>

Revision 07a09069 - 03/05/2018 09:49 PM - Lucas Di Pentima

Merge branch '12268-libcloud230-official'
Closes #12268

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <ldipentima@veritasgenetics.com>

Revision 1eb2ff90 - 03/05/2018 09:58 PM - Lucas Di Pentima

12268: Fix merge conflict.
Refs #12268

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <ldipentima@veritasgenetics.com>

Revision a58a2636 - 03/06/2018 04:44 PM - Lucas Di Pentima

Merge branch '12268-build-fix'
Refs #12268

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <ldipentima@veritasgenetics.com>

History

#1 - 09/14/2017 10:20 PM - Tom Morris

- Description updated

#2 - 09/26/2017 06:10 PM - Tom Morris

- Tracker changed from Bug to Story
- Description updated
- Story points set to 0.5

#3 - 09/27/2017 07:05 PM - Lucas Di Pentima

- Assigned To set to Lucas Di Pentima

#4 - 10/11/2017 06:56 PM - Lucas Di Pentima

- Target version changed from 2017-10-11 Sprint to 2017-10-25 Sprint

#5 - 10/25/2017 06:47 PM - Lucas Di Pentima

- Target version changed from 2017-10-25 Sprint to 2017-11-08 Sprint

#6 - 11/08/2017 07:44 PM - Lucas Di Pentima

- Target version changed from 2017-11-08 Sprint to 2017-11-22 Sprint

#7 - 11/22/2017 07:15 PM - Lucas Di Pentima

- Target version changed from 2017-11-22 Sprint to 2017-12-06 Sprint

#8 - 12/06/2017 07:21 PM - Lucas Di Pentima

- Target version changed from 2017-12-06 Sprint to 2017-12-20 Sprint

#9 - 01/02/2018 04:13 PM - Lucas Di Pentima

- Target version changed from 2017-12-20 Sprint to 2018-01-17 Sprint

#10 - 01/02/2018 06:43 PM - Tom Morris

- Target version changed from 2018-01-17 Sprint to 2018-01-31 Sprint

#11 - 01/02/2018 09:00 PM - Lucas Di Pentima

Libcloud dev version includes 4 PRs submitted by us, as described on <https://github.com/apache/libcloud/blob/trunk/CHANGES.rst>

- <https://github.com/apache/libcloud/pull/1120>
- <https://github.com/apache/libcloud/pull/1134>
- <https://github.com/apache/libcloud/pull/1137>
- <https://github.com/apache/libcloud/pull/1139>

#12 - 01/02/2018 09:06 PM - Tom Morris

The last of these PRs was merged Nov. 9, 2017 so any release dated later than that should be OK.

The latest release currently is still Libcloud 2.2.1, which was released September 21, 2017.

#13 - 02/01/2018 08:48 PM - Lucas Di Pentima

- Target version changed from 2018-01-31 Sprint to 2018-02-14 Sprint

#14 - 02/02/2018 04:16 PM - Lucas Di Pentima

- Status changed from New to In Progress

#15 - 02/02/2018 06:09 PM - Lucas Di Pentima

Update at [318d42f0d](https://github.com/apache/libcloud/commit/318d42f0d) - branch 12268-libcloud-2-3-0

Test run: <https://ci.curoverse.com/job/developer-run-tests/563/>

- Made a new branch on our libcloud fork with 2.3.0 RC version (<https://github.com/curoverse/libcloud/tree/apache-libcloud-2.2.2.dev4>)
- Updated nodemanager dependency to this version so we can do some testing.
- Ran local nodemanager integration tests: passed OK, now running all the tests on Jenkins before merging.

#16 - 02/02/2018 07:05 PM - Tom Clegg

LGTM

#17 - 02/14/2018 07:50 PM - Lucas Di Pentima

- Target version changed from 2018-02-14 Sprint to 2018-02-28 Sprint

#18 - 02/28/2018 05:48 PM - Lucas Di Pentima

Latest release still is 2.2.1 as of Feb 28th.

#19 - 02/28/2018 07:33 PM - Lucas Di Pentima

- Target version changed from 2018-02-28 Sprint to 2018-03-14 Sprint

#20 - 03/05/2018 06:06 PM - Lucas Di Pentima

Libcloud 2.3.0 is released. The final commit wasn't exactly the one that we used as 2.2.2.dev4 but close, here's the diff:

<https://github.com/apache/libcloud/compare/e7429e95b95ddd6789ee97ac484111db2e74c597...a119e396814bf12b7d5631f1f2d97a43c63020a5>

#21 - 03/05/2018 08:28 PM - Lucas Di Pentima

Updates at [8e2a634e2](#) - branch 12268-libcloud230-official
Test run: <https://ci.curoverse.com/job/developer-run-tests/629/>

Updates nodemanager's setup.py to request libcloud>=2.3, also updated run-tests.sh so it gets the package from PyPI when it doesn't exist as a fork.

There's a question pending to be answered about version requirements: should be keep asking >=2.3 or something more restrictive?

#22 - 03/05/2018 09:03 PM - Tom Clegg

Do we still need this line in run-tests.sh? It seems like it prefers installing the curoverse version 2.3.0, and only falls back on pypi if that fails. Shouldn't we just go straight to pypi?

```
|| pip install --pre --ignore-installed https://github.com/curoverse/libcloud/archive/apache-libcloud-$LIBCLOUD_PIN.zip >/dev/null \
```

rest LGTM, thanks.

#23 - 03/05/2018 09:45 PM - Lucas Di Pentima

Update at [69ae9c5a8d7e2df93ece51afd4eb471c745eb84c](#)
Test run: <https://ci.curoverse.com/job/developer-run-tests/630/>

Removed libcloud installation attempt from our forked version.

#24 - 03/05/2018 09:59 PM - Lucas Di Pentima

- Status changed from *In Progress* to *Resolved*
- % Done changed from 50 to 100

Applied in changeset [arvados|07a09069c579e51c33c6fb267b2e510cc8f98ea8](#).

#25 - 03/06/2018 02:19 AM - Ward Vandewege

- Status changed from *Resolved* to *In Progress*

Hmm all package building is now broken because the package testing fails, cf. <https://ci.curoverse.com/job/build-packages-debian9/303/console> for example:

```
02:04:14 START: arvados-node-manager test on arvados/package-test:debian9
02:04:17 W: The repository 'file:/arvados/packages/debian9 Release' is not signed.
02:04:18 Reading package lists...
02:04:18 Building dependency tree...
02:04:18 Reading state information...
02:04:18 Some packages could not be installed. This may mean that you have
02:04:18 requested an impossible situation or if you are using the unstable
02:04:18 distribution that some required packages have not yet been created
02:04:18 or been moved out of Incoming.
02:04:18 The following information may help to resolve the situation:
02:04:18
02:04:18 The following packages have unmet dependencies:
02:04:18  arvados-node-manager : Depends: python-apache-libcloud (>= 2.3) but it is not going to be installed
02:04:18 E: Unable to correct problems, you have held broken packages.
02:04:19 ERROR: arvados-node-manager test on arvados/package-test:debian9 failed with exit status 100
02:04:19
```

#26 - 03/06/2018 04:02 PM - Lucas Di Pentima

Branch 12268-build-fix fixes the package build issue by adding apache-libcloud to build.list file, and removing the libcloud fork building code.

#27 - 03/06/2018 04:39 PM - Nico César

review at [c6e1f628cc07731cd5fdee991fbd49564dab44b7](#)

I see that this got eliminated:

```
# Forked libcloud
```

```
if test_package_presence "$PYTHON2_PKG_PREFIX"-apache-libcloud "$LIBCLOUD_PIN" python 2
then
  LIBCLOUD_DIR=$(mktemp -d)
  (
    cd $LIBCLOUD_DIR
    git clone $DASHQ_UNLESS_DEBUG https://github.com/curoverse/libcloud.git .
    git checkout $DASHQ_UNLESS_DEBUG apache-libcloud-$LIBCLOUD_PIN
    # libcloud is absurdly noisy without -q, so force -q here
    OLD_DASHQ_UNLESS_DEBUG=$DASHQ_UNLESS_DEBUG
    DASHQ_UNLESS_DEBUG=-q
    handle_python_package
    DASHQ_UNLESS_DEBUG=$OLD_DASHQ_UNLESS_DEBUG
  )
  fpm_build $LIBCLOUD_DIR "$PYTHON2_PKG_PREFIX"-apache-libcloud "" python "" --iteration 2
  rm -rf $LIBCLOUD_DIR
fi
```

which is good ... but I have the strong feeling that we'll be forking again sometime in the future

can you add the following comment instead:

```
## if libcloud becomes our own fork see
## https://dev.arvados.org/issues/12268#note-27
```

besides that is ready to merge.

#28 - 03/07/2018 10:46 AM - Lucas Di Pentima

- *Status changed from In Progress to Resolved*

#29 - 07/23/2018 07:22 PM - Tom Morris

- *Release set to 17*