Arvados - Bug #15900

[API] [Workbench1] [SDKs] ruby gems report wrong version number

12/02/2019 03:33 PM - Tom Clegg

Status:	Resolved		**Start date:**	12/03/2019
Priority:	Normal		**Due date:**	
Assigned To:	Tom Clegg		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	2020-01-02 Sprint			

Description

Example:

- sdk/ruby/arvados.gemspec reports itself as 1.4.1.timestamp1
- services/api/Gemfile pins an arvados gem version by commit hash, and bundler writes "1.4.1.timestamp1" in Gemfile.lock
- **bundler succeeds at version 1.4.1.timestamp2**
- sometime later, a 1.4.2 tag is added somewhere in the repo
- checkout version 1.4.1.timestamp2 and run bundler
- bundler checks out the specified git hash, but the resulting arvados.gemspec now reports itself as 1.4.2.timestamp1
- **bundler fails at version 1.4.1.timestamp2**

The "use git tag to figure out version at runtime" code used to use the latest tag reachable from HEAD, which makes recent/dev versions appear older than they really are (e.g., 1.4.2 isn't an ancestor of master) -- then it changed in ff48e70fd7cc41997a27c0b04bb38149a6abfa0d to report the highest version in the repo, which makes older/released versions appear newer than they really are.

Subtasks:

Task # 15903: Review 15900-gem-version	**Resolved**

Associated revisions

Revision b702e93a - 12/04/2019 06:55 PM - Tom Clegg

Merge branch '15900-gem-version-142' into 1.4-dev

refs #15900

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <tclegg@veritasgenetics.com>

Revision 32d4f9f5 - 12/04/2019 06:56 PM - Tom Clegg

Merge branch '15900-gem-version'

refs #15900

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <tclegg@veritasgenetics.com>

Revision cc4f77d7 - 01/03/2020 07:51 PM - Peter Amstutz

Support Debian 8 refs #15900

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <peter.amstutz@curii.com>

History

#1 - 12/02/2019 09:08 PM - Tom Clegg

Proposed version detection scheme:

1. If this commit is tagged -- the current version is the tag name.
2. If this commit IS NOT an ancestor of master, and x.y.z is the nearest tagged ancestor of this commit -- the current version is x.y.(z+1).preTIMESTAMP
3. If this commit IS an ancestor of master, and x.y.z is the largest version tag that is NOT a descendant of this commit -- the current version is x.(y+1).0.preTIMESTAMP

With this scheme, version-tagging an ancestor of a pinned version can still break old builds -- but tagging *later* versions is OK.

#2 - 12/03/2019 03:40 PM - Tom Clegg

- Status changed from New to In Progress

- Assigned To set to Tom Clegg

- Target version changed from 2020-01-02 Sprint to 2019-12-04 Sprint

15900-gem-version @ [d08871688722c5303b56e5a76456aec7d10e770b](#) -- [https://ci.curoverse.com/view/Developer/job/developer-run-tests/1682/](#)

15900-gem-version-142 @ [831828849ceab3fd3dcf145bae564e20ee87efb6](#) -- [https://ci.curoverse.com/view/Developer/job/developer-run-tests/1681/](#)

#3 - 12/03/2019 10:07 PM - Ward Vandewege

LGTM.

The version number generated on unmerged feature branches is a bit odd (last tag on master x.y.z => x.y.z+1-pre$TIMESTAMP) which is 1.3.1-preYYYYMMDD at the moment because 1.3.0 is the last tag that is on master and not in a version branch. In practice this doesn't matter much, it only affects dev builds and it doesn't break them.

#4 - 12/04/2019 03:58 PM - Tom Clegg

- Target version changed from 2019-12-04 Sprint to 2020-01-02 Sprint

#5 - 12/09/2019 03:31 PM - Tom Clegg

- Status changed from In Progress to Resolved