Tails - Feature #5926
Freezable APT repository
07/18/2013 07:48 AM - Tails

Status: Resolved
Priority: High
Assignee:
Category: Infrastructure
Target version: Tails_2.6
Feature Branch: feature/5926-freezable-APT-repository
Type of work: Sysadmin
Blueprint: https://tails.boum.org/blueprint/freezable_APT_repository/

Description
As a first important milestone before having reproducible builds, having a way to freeze the Debian repositories would allow to build a given Tails version with always the same set of packages.

This could be used for example to publish a point release that updates Tor Browser, but nothing else. If so, we could skip the RC.

Subtasks:
- Feature #9487: Research what solution to use for the freezable APT repository
- Feature #6295: Evaluate consequences of importing large amounts of packages into reprepro
- Feature #7427: Evaluate using aptly
- Feature #6906: Ask the Grml people how they handle the "keep lots of source packages a...
- Feature #9488: Specify how we want to sync packages from Debian
- Feature #9489: Implement packages importing and freezing
- Feature #6296: Configure reprepro to pull from foreign APT repositories
- Feature #6299: Regularly pull packages from foreign APT repositories
- Feature #6297: Save list of packages used at ISO build time
- Feature #6303: Adapt our infrastructure to be able to handle tons of packages
- Feature #10851: Give lizard enough free storage to host our freezable APT repository
- Feature #10748: Generate a manifest of packages used at build time
- Feature #10749: Create partial APT snapshot from a build manifest and a set of time-
- Feature #11444: Write contributors doc for the freezable APT repository
- Feature #11446: Document freeze exceptions workflow for the freezable APT repository
- Feature #11412: Drop support for packages-from-acng-log in our Puppet manifests
- Feature #11415: Point tails::jenkins::apt_proxy to the devel branch on lizard
- Feature #11445: Give sysadmins tools to handle evergrowing reprepro database for time-
- Feature #11447: Write design doc for the freezable APT repository
- Feature #11448: Write helper tools for APT repository freeze exceptions
- Bug #11490: add the_on_a_tag function more accurate
- Bug #11496: perl-modules 5.20.2-6 should not be in our time-based snapshots for stretch
- Bug #11532: Clean apt-cache-ng cache from expired time-based snapshots
- Bug #11612: Cannot import needed packages into the new tagged APT snapshot at point-

Related issues:
Related to Tails - Feature #5987: Distribute source

Associated revisions
Revision 0ae53cb8 - 12/13/2015 08:06 PM - intrigeri
Fix shebang.

IIRC it's not used in practice (live-config sources these hooks), but still.
Revision 322e6c0d - 12/13/2015 08:06 PM - intrigeri
Document the need for debootstrap 1.0.73+.
Refs: #5926

Revision 778668b9 - 12/13/2015 08:06 PM - intrigeri
auto/build: move option setting to a more consistent place.
That's where we set MKSQUASHFS_OPTIONS, that affects the build in a similar way.
Refs: #5926

Revision ad104208 - 12/13/2015 08:07 PM - intrigeri
Don't include /debootstrap in the SquashFS.
We won't need it once the files we need in there have been retrieved by the build system.
Refs: #5926

Revision 5837dd3f - 12/13/2015 08:07 PM - intrigeri
Retrieve information about packages used during the build.
Refs: #5926

Revision 8c4e1236 - 03/10/2016 02:40 PM - intrigeri
Fix shebang.
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Refs: #5926

Revision 6a5b4b7d - 03/10/2016 02:40 PM - intrigeri
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Refs: #5926
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Retrieve information about packages used during the build.

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History

#1 - 08/07/2013 01:13 PM - intrigeri
- Starter set to No

#2 - 10/04/2013 05:04 AM - intrigeri
- Category set to Infrastructure

#3 - 12/29/2013 03:27 AM - intrigeri
- Subject changed from freezable APT repository to Freezable APT repository

#4 - 10/15/2014 06:52 AM - anonym
- Related to Bug #8125: Self-host the Tor Browser tarballs we need added

#5 - 11/01/2014 08:34 PM - intrigeri
- Related to deleted (Bug #8125: Self-host the Tor Browser tarballs we need)

#6 - 01/11/2015 12:02 PM - intrigeri
- Description updated

#7 - 05/28/2015 03:23 PM - intrigeri
- Assignee set to intrigeri
- Target version changed from Sustainability_M1 to Tails_2.3

#9 - 10/22/2015 09:40 AM - intrigeri
- Status changed from Confirmed to In Progress
- Blueprint set to https://tails.boum.org/blueprint/freezable_APT_repository/

#10 - 10/22/2015 09:46 AM - intrigeri
- Description updated

#11 - 10/27/2015 03:44 AM - intrigeri
- Feature Branch set to feature/5926-freezable-APT-repository

#12 - 11/01/2015 04:27 AM - intrigeri
- Blocks Feature #9430: Make our build system more robust vs. apt-get transient errors added

#13 - 03/03/2016 04:43 PM - intrigeri
- Target version changed from Tails_2.3 to Tails_2.5

#15 - 06/08/2016 01:34 AM - anonym
- Blocks deleted (Feature #9430: Make our build system more robust vs. apt-get transient errors)

#16 - 07/14/2016 09:57 AM - intrigeri
- Assignee changed from intrigeri to anonym
- QA Check set to Ready for QA

(The only remaining subtask is on anonym's plate for review.)

#17 - 07/21/2016 06:01 AM - intrigeri
- Target version changed from Tails_2.5 to Tails_2.6

#18 - 07/31/2016 09:04 AM - intrigeri
- Assignee changed from anonym to intrigeri
- QA Check deleted (Ready for QA)

#19 - 08/28/2016 07:13 AM - intrigeri
- Assignee changed from intrigeri to anonym
- QA Check set to Ready for QA

(The only remaining subtask is on anonym's plate for review.)

#20 - 08/28/2016 11:41 AM - anonym
- Status changed from In Progress to 11
- Assignee deleted (anonym)
- QA Check changed from Ready for QA to Pass

Congrats, kibi and intri! :)

#21 - 09/20/2016 04:47 PM - anonym
- Status changed from 11 to Resolved

#22 - 05/24/2017 07:03 AM - intrigeri
- Blocks deleted (Feature #5630: Reproducible builds)