ganeti.deb

Packaging Ganeti in Debian

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Ganeti in Debian

- Team-maintained:
  `pkg-ganeti-devel@lists.alioth.debian.org`
- 2 team members (help appreciated :)
- Package source tracked in `git`
  `http://anonscm.debian.org/gitweb/?p=pkg-ganeti/ganeti`

Release policy

- Latest stable release in unstable
  - Backport to wheezy-backports as soon as it hits testing
- Later RCs usually in experimental
- PPA for Ubuntu LTS releases (currently 12.04 and 14.04)

News since GanetiCon0

Multiple versions support

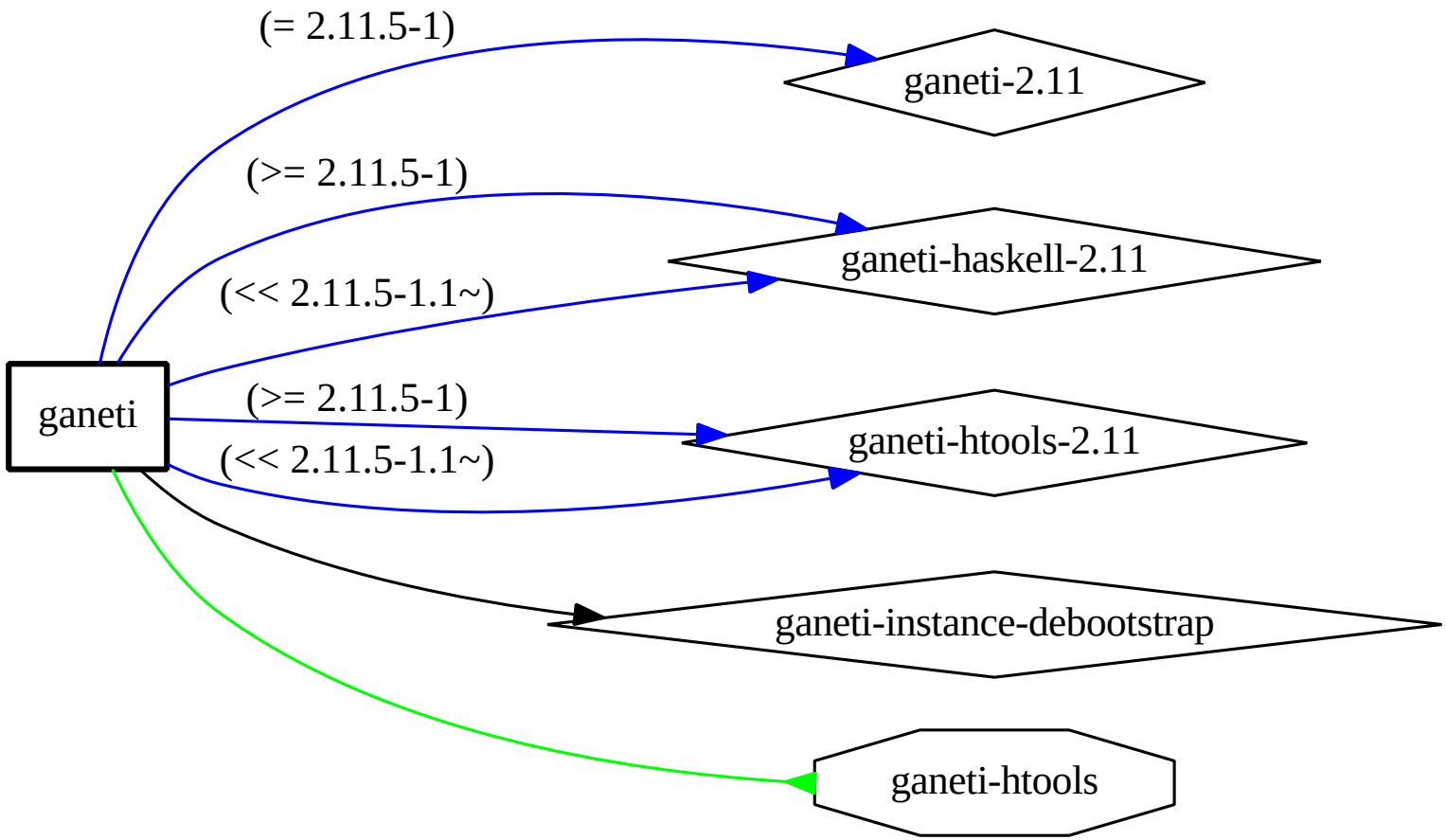
New since 2.10!

- `gnt-cluster upgrade` allows coordinated, atomic and reversible upgrades between different Ganeti versions: a Good Thing™
- `gnt-cluster upgrade` requires (at least) two versions of Ganeti to exist on the system.
- At most one package version can be installed on a Debian system $\rightarrow$ incompatible with our package layout

Packages re-organized

- All Python code moved to `ganeti-2.x`
- Haskell daemons moved to `ganeti-haskell-2.x`
- `htools` binaries moved to `ganeti-htools-2.x`, now required by `ganeti`.
- `ganeti` depends on all of the above and contains only the symlinks under `/usr/{bin,sbin,lib,share/man}`
- `prerm` magic in place to prevent accidental removal of the currently running version.

Packages re-organized



Problems with multi-version support

- Single source package $\rightarrow$ impossible to offer updates for outdated versions.
  - Including CVE-2014-5247 :(
- Old package autoremoval is still a bit flaky.

Debian bug #751886

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KABOOM!

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Solution:

- link haskell-curl against the OpenSSL variant of `libcurl`

Future work

ganeti-quickstart

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  - Single-node cluster
  - KVM (does not need reboot, setup is fairly easy)
  - Primarily file storage (LVM not guaranteed to be configured or have free extents)
  - Pre-configure ganeti-instance-debootstrap
- `ganeti-quickstart` package

Small bits

- Review/cleanup (build-)dependencies
- `systemd` cleanup/review
- `zsh` completion generator
- DEP-8 as-installed tests
- `reportbug` helper
- `ganeti.debian.net`/`deb.ganeti.org`?
  - Support multiple stable branches at the same time

Thank you!

Q&A