Debian and Ubuntu packages in Launchpad Git

BoF edition

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Ubuntu Server
The importer was born:

https://launchpad.net/usd-importer

git clone https://git.launchpad.net/usd-importer
And the branches are...

`ubuntu/devel`: always points at the latest Ubuntu development release

`debian/{sid,buster,experimental,...}`: self explanatory

`ubuntu/<release>-{devel,proposed,updates,security}`: devel is always tip

`applied/*`: quilt patches applied. All other branches are "patches unapplied"
Example cloning

```
$ git clone https://git.launchpad.net/ubuntu/+source/samba
Cloning into 'samba'...
(...)
$ cd samba/
$ git branch
* ubuntu/devel
$ git checkout debian/sid
(...)
$ head -n 1 debian/changelog
samba (2:4.9.11+dfsg-1) unstable; urgency=medium
```
$ sudo apt install snapd
$ sudo snap install git-ubuntu --edge --classic
$ git ubuntu clone samba

Easily add remotes for other Launchpad users:
$ git ubuntu remote add ahasenack
How is (git) rich history preserved?

Matching upload tag

```
$ git tag | grep 2%4.10.0+dfsg-0ubuntu6
import/2%4.10.0+dfsg-0ubuntu6
upload/2%4.10.0+dfsg-0ubuntu6
```
Example: preparing an update for Bionic

$ git ubuntu clone samba; cd samba  # or just clone with url
$ git checkout -b bionic-samba-fix-123456 pkg/ubuntu/bionic-devel
(hack away)
$ git push <yourlpuser> bionic-samba-fix-123456
Create merge proposal:
$ git ubuntu submit
Or go to LP to submit via your browser:
https://code.launchpad.net/~/+git
Delta represented without "noise":
- One commit per logical change
- Squashed when it makes sense
- No d/changelog
- No d/control maintainer update

`git range-diff Δold Δnew` is awesome to visualize delta changes
What a finished (simple) merge looks like

dpkg-mergechangelogs

cf577466 (tag: upload/2.0.1-1ubuntu1) update-maintainer
f0a11496 reconstruct-changelog
d997156c merge-changelogs
23ce86e5 - d/t/control, d/t/proxy-localhost: simple DEP8 test to actually...
ce28320f (tag: pkg/import/2.0.1-1, tag: new/debian, pkg/debian/experimental) Import patches-unapplied version 2.0.1-1 to debian/experimental

Hello, delta

d/changelog:
haproxy (2.0.1-1ubuntu1) eoan; urgency=medium

* Merge with Debian unstable. Remaining changes:
  - d/t/control, d/t/proxy-localhost: simple DEP8 test to actually generate traffic through haproxy.
  [Updated to use "service" instead of "systemctl" to match what was submitted to Debian.]

-- Andreas Hasenack <andreas@canonical.com> Fri, 05 Jul...

Debian's haproxy 2.0.1-1 upload
Sample hands-on merge: squid
Sample hands-on merge: haproxy
Sample hands-on: git-ubuntu
Sample hands-on SRU: TBD
Discussion forum/list

https://discourse.ubuntu.com/c/server
https://lists.ubuntu.com/mailman/listinfo/ubuntu-server
(ubuntu-server@lists.ubuntu.com)

Questions?