

Arriero - A tool to help you manage many packages in less time

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What it's for

- Arriero is a tool that helps you manage many packages.
- It's not intended to maintain just one or two packages, but many.
- It makes heavy use of git and git-buildpackage.

Where it comes from

- Originally developed by Maximiliano Curia for the KDE team.
- I then helped extend it to any other git package and make it more consistent and user friendly.
- The name is in Spanish and means "muleteer" or "wrangler": a person that leads many animals and takes care of them.



Foto by Juan Carlos Martins, Arreo por la Ruta 40

Clone

- To work with Arriero you need to already have your debian package in a git repository (creating new repositories is not currently supported).
- There are many things that can be configured in the configuration file, but if you do:
`arriero clone <git-url>`
- Arriero will try to guess most of the configuration parameters, you can then go and fix any that are not correct by editing the configuration file.

Update

- `arriero update package1 package2`
`group-of-packages`
- Arriero can fetch new upstream releases and update the changelogs of many packages at the same time.

Build

- `arriero build package1 package2 group-of-packages`
- Arriero can build many packages, currently only in serialized form, using `git-pbuilder`.
- It will build the package for whatever distribution is indicated in the changelog.
- If the `pbuilder` instance doesn't exist, it will create it for you.

Overlay

- `arriero overlay` package
- If your package has separate branches for `debian/` and the upstream code, and you need to create a quilt patch, it can be quite frustrating.
- Arriero can help you with that by creating an "overlay" of the upstream code into the `debian/` branch.
- Cleaning up afterwards is currently not done by Arriero.

Exec

- `arriero exec group-of-packages1 -x script1 -x script2`
- You may want to execute a bunch of commands over many or all of your packages.
- Arriero will call each script with the package variables (name, version, branch, etc) so that you can operate on them as needed.

Other Commands

- `arriero push packages`: pushes changes to your git remote
- `arriero pull packages`: pulls changes from your git remote
- `arriero release packages`: changes the debian/changelog distro
- `arriero status packages`: shows the status of your packages
- `arriero upload packages`: uploads your packages, with your specified command and hostname, allowing for local uploads

Demo with spacezero

- arriero clone
git+ssh://git.debian.org/git/collab-maint/spacezero.git
- arriero update spacezero
- arriero build spacezero
- arriero upload spacezero

Questions



Foto by Jacob Rush, A cat in winter.