

Kubuntu Dojo - Packaging

#1 - Getting setup



Course Objectives

- Install packaging tools
- Generate your GPG key
- Create your SSH access key
- Get a Launchpad account
- Join Kubuntu-Bugs, and Kubuntu-Users groups
- Upload your GPG & SSH Keys to Launchpad
- Setup Bazar - source code control (moving to git now)
- Configure your environment
- Create a build chroot with PBuilder

Links & Further info

- <http://packaging.ubuntu.com/html/getting-set-up.html>

Next Dojo

- Understanding Debian Packages

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#2 - Debian Packages



Debian Package

Working from the Debian Packaging Guide

<https://www.debian.org/doc/manuals/packaging-tutorial/packaging-tutorial.en.pdf>

Working also from the Ubuntu Packaging Guide

<http://packaging.ubuntu.com/html/packaging-new-software.html>

Course Objectives

- Understand Debian Package Structure
- Modify an existing package
- Create a package
- Packaging GNU Hello
- <http://packaging.ubuntu.com/html/packaging-new-software.html>
- Create your own PPA on Launchpad
- Upload your package

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#3 - PPA's & Packages



Working Documentation

Setting up your PPA Guide

<https://help.launchpad.net/Packaging/PPA>

Working also from the Ubuntu Packaging Guide

<http://packaging.ubuntu.com/html/packaging-new-software.html>

Course Objectives

- Create your own PPA on Launchpad
- Create a package
- Packaging GNU Hello
<http://packaging.ubuntu.com/html/packaging-new-software.html>
- Upload to your PPA on Launchpad
- Adding your PPA to your sources
- Installing your new Package from your PPA

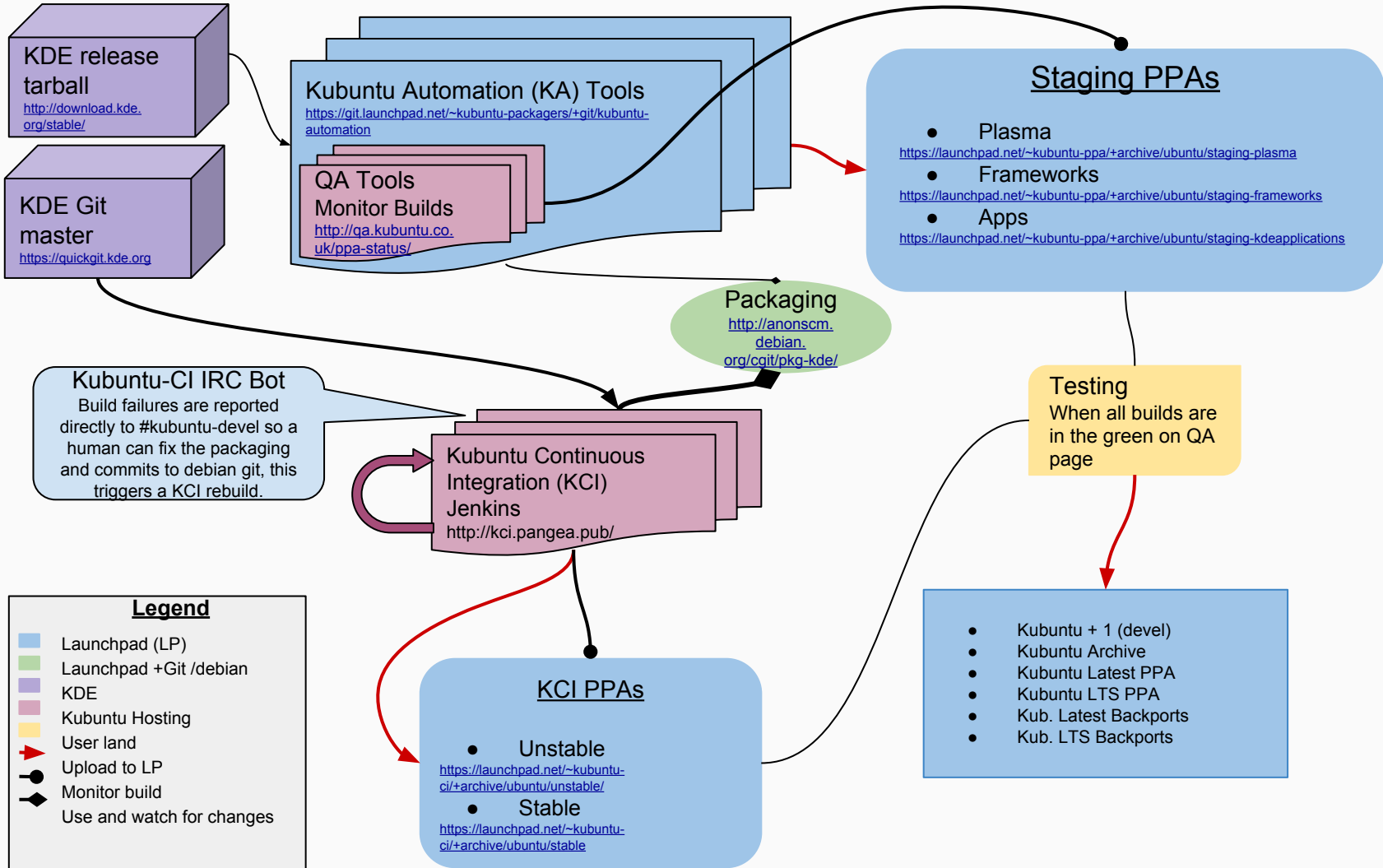
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#4 - Getting into the action



Course Objectives

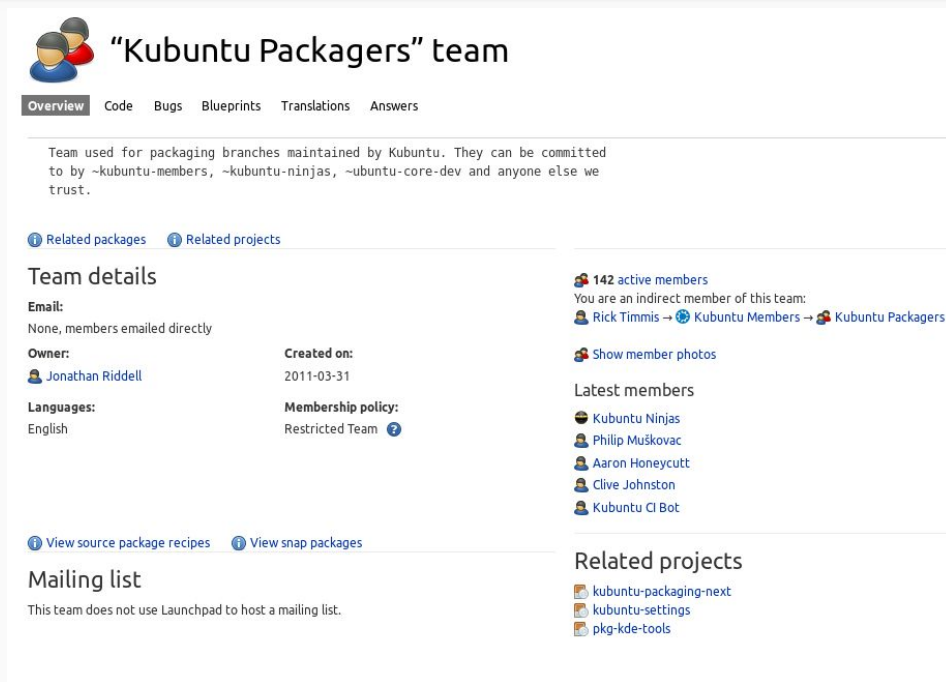
- Packaging Workflow
- Kubuntu Packagers Team
<https://launchpad.net/~kubuntu-packagers>
- Kubuntu /debian packaging in Git on LaunchPad
<https://code.launchpad.net/~kubuntu-packagers/+git>
- KDE Code Repo
<https://quickgit.kde.org/>
- Extra Tools



Kubuntu Packagers Team

- Team used for packaging branches maintained by Kubuntu.
- They can be committed to by
 - ~kubuntu-members,
 - ~kubuntu-ninjas,
 - ~ubuntu-core-dev
 - anyone else we trust.

<https://launchpad.net/~kubuntu-packagers>



The screenshot shows the 'Kubuntu Packagers' team page on Launchpad. At the top, there is a team icon and the title '“Kubuntu Packagers” team'. Below the title are navigation tabs: Overview (selected), Code, Bugs, Blueprints, Translations, and Answers. A description states: 'Team used for packaging branches maintained by Kubuntu. They can be committed to by ~kubuntu-members, ~kubuntu-ninjas, ~ubuntu-core-dev and anyone else we trust.' There are links for 'Related packages' and 'Related projects'. The 'Team details' section includes: 'Email: None, members emailed directly'; 'Owner: Jonathan Riddell'; 'Created on: 2011-03-31'; 'Languages: English'; and 'Membership policy: Restricted Team'. On the right, it shows '142 active members', a note that the user is an indirect member, and a list of 'Latest members' including Kubuntu Ninjas, Philip Muškovac, Aaron Honeycutt, Clive Johnston, and Kubuntu CI Bot. At the bottom, there are links for 'View source package recipes' and 'View snap packages', and a 'Mailing list' section stating 'This team does not use Launchpad to host a mailing list.' A 'Related projects' section lists 'kubuntu-packaging-next', 'kubuntu-settings', and 'pkg-kde-tools'.

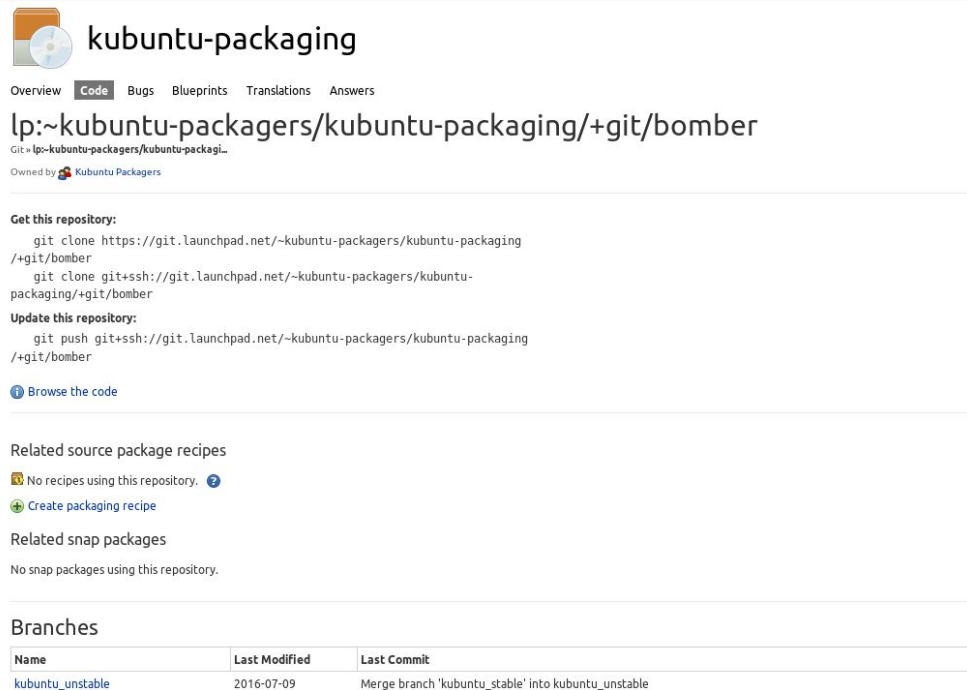
/debian Packaging +Git on LP

- /debian packaging branches maintained by Kubuntu.

- Look at an example in a terminal

```
git clone https://git.launchpad.net/~kubuntu-packagers/kubuntu-packaging/+git/bomber
```

<https://code.launchpad.net/~kubuntu-packagers/+git>



The screenshot shows the Launchpad interface for the 'kubuntu-packaging' repository. At the top, there's a navigation bar with 'Overview', 'Code', 'Bugs', 'Blueprints', 'Translations', and 'Answers'. The repository name 'kubuntu-packaging' is prominently displayed. Below it, the specific repository path is shown: 'lp:~kubuntu-packagers/kubuntu-packaging/+git/bomber'. The page provides instructions on how to clone the repository using both https and git+ssh protocols. It also includes a section for 'Update this repository' with a git push command. There are links to 'Browse the code', 'Related source package recipes' (with a note that no recipes use this repository), and 'Related snap packages' (with a note that no snap packages use this repository). At the bottom, there is a 'Branches' section with a table listing the available branches.

Name	Last Modified	Last Commit
kubuntu_unstable	2016-07-09	Merge branch 'kubuntu_stable' into kubuntu_unstable

KDE Application Sources

- KDE Application branches maintained by KDE Developers.

<https://quickgit.kde.org/>

projects /		
git source code archive		
Search projects: <input type="text"/>		
Project	Description	Last Change
abakus.git	Abakus is a simple, keyboard-driven calculator.	13 months ago
about-distro.git	Moved to KInfoCenter source.	15 months ago
activities-support.git	Plugins for 3rd party applications to be able to support activities and Share Like Connect.	18 months ago
aki.git	Extensive IRC client for KDE4.	15 months ago
akonadi-airsync.git	Akonadi Resource to download emails from an MS Exchange Server using the Exchange Active Sync protocol	2 months ago
akonadi-calendar.git	Akonadi Calendar Integration.	14 hours ago
akonadi-contacts.git	Libraries and daemons to implement Contact Management in Akonadi.	7 days ago
akonadi-exchange.git	Akonadi plugin for Exchange groupware functionality	8 months ago
akonadi-facebook.git	Makes events, contacts, notes and messages from Facebook available in KDE.	2 years ago
akonadi-git-resource.git	Akonadi Git Resource allows you to see your commits in kmail.	8 months ago
akonadi-google-applets.git	Plasma applets for Akonadi google resources	8 months ago
akonadi-googledata-resource.git	It hosts 2 resources for akonadi that enables KDE-PIM apps to sync/edit/add/delete entries (either contacts or calendar events) from a google account.	4 years ago
akonadi-mime.git	Libraries and daemons to implement basic email handling.	14 hours ago
akonadi-next.git	The Future of Akonadi	5 months ago
akonadi-notes.git	Libraries and daemons to implement management of notes in Akonadi.	7 days ago
akonadi-phabricator-resource.git	Synchronize your Phabricator tasks with KOrganizer	7 months ago
akonadi-search.git	Libraries and daemons to implement searching in Akonadi.	14 hours ago
akonadi-sugarcrm.git	Accessing the addressbook of a SugarCRM web service	8 months ago
akonadi-vkontakte.git	Makes contacts, notes and messages from VKontakte.ru social network available in KDE.	8 months ago
akonadi.git	Akonadi Server. A cross-desktop storage service for PIM data and meta data providing concurrent read, write, and query access.	14 hours ago
akonadiclient.git	Commandline interface for accessing Akonadi	2 months ago
akunambol.git	Akunambol is a KDE SyncML client for your Akonadi Storage. a.k.a. it synchronizes your data with another device.	8 months ago
alkimia.git	Library used by KDE Finance applications	5 days ago
amarok-history.git	Amarok history	6 years ago
amarok.git	Amarok, the powerful music player that lets you rediscover your music.	2 weeks ago
amor.git	Amusing Misuse of Resources animation that sits on top of the current window.	10 months ago
analitza.git	The analitza library will let you add mathematical features to your program.	8 days ago
android-builder.git	Build environment and SDK for cross-building KDE applications for Android.	2 weeks ago
android-qt-creator.git	Android port of Qt Creator IDE	3 years ago

KDE Muon Application

- KDE Muon Application Manager maintained by
 - Carlo Vanini
 - Rick Timmis.

<https://quickgit.kde.org/?p=muon.git>

projects / [muon.git](#) / summary

summary | [shortlog](#) | [log](#) | [commit](#) | [commitdiff](#) | [tree](#)

description A collection of package management tools for Debian-based systems

last change Tue, 17 May 2016 12:45:46 +0000

clone url <git://anongit.kde.org/muon.git>

push url git@git.kde.org

shortlog

4f44673	2016-05-17	Carlo Vanini	Silence cmake warning about policy CMP0063	master	commit commitdiff tree snapshot
d43729b	2016-04-15	Carlo Vanini	Change version number to 5.6.0	v5.6.0	commit commitdiff tree snapshot
e831ea5	2016-04-15	Carlo Vanini	Change required version of libqapt to 3.0.2		commit commitdiff tree snapshot
4cdb139	2016-04-14	Carlo Vanini	Can undo/redo "Unmark all".		commit commitdiff tree snapshot
a437d39	2016-03-03	Carlo Vanini	Connect to backend signals to catch cache reload.		commit commitdiff tree snapshot
465ca5f	2016-03-03	Carlo Vanini	Fix muon not closing with window close button.		commit commitdiff tree snapshot
a4a78ec	2016-02-09	l10n daemon script	SVN_SILENT made messages (.desktop file) - always...		commit commitdiff tree snapshot
1dbce0c	2016-02-04	l10n daemon script	SVN_SILENT made messages (.desktop file) - always...		commit commitdiff tree snapshot
6cc74ed	2016-01-29	l10n daemon script	SVN_SILENT made messages (.desktop file) - always...		commit commitdiff tree snapshot
8b92ce3	2016-01-11	Carlo Vanini	rename icons		commit commitdiff tree snapshot
8f21836	2016-01-11	Carlo Vanini	add keyboard shortcut to focus search box		commit commitdiff tree snapshot
09eb704	2015-12-25	Carlo Vanini	port away from KDELibs4Support		commit commitdiff tree snapshot
bcc6f03	2015-12-10	Carlo Vanini	Fix history dialog layout.		commit commitdiff tree snapshot
e1b6c06	2015-11-22	Harald Sitter	version bump to 5.5.0 for release		commit commitdiff tree snapshot
bdf106d	2015-11-19	l10n daemon script	SVN_SILENT made messages (.desktop file) - always...		commit commitdiff tree snapshot
56c4feb	2015-11-18	l10n daemon script	SVN_SILENT made messages (.desktop file) - always...		commit commitdiff tree snapshot

...

tags

2 months ago [v5.6.0](#) Tagging 5.6.0 [tag](#) | [commit](#) | [shortlog](#) | [log](#) | [snapshot](#)

8 months ago [v5.4.3](#) Tagging 5.4.3 [tag](#) | [commit](#) | [shortlog](#) | [log](#) | [snapshot](#)

9 months ago [v5.4.2](#) Tagging 5.4.2 [tag](#) | [commit](#) | [shortlog](#) | [log](#) | [snapshot](#)

Other Tools

- USCAN
Checks for upstream code updates
- LINTIAN
Debian package compliance checker
- PBUILDER
Create clean build environments
- DH_MAKE
Creates /debian directory and files for a package
- BZR
Bazaar original source control system used by Launchpad
- Some tool
Please add short note
- Some tool
Please add short note
- Some tool
Please add short note

Congratulations

- Kubuntu Packagers

<https://launchpad.net/~kubuntu-packagers>

- Kubuntu Ninjas

<https://launchpad.net/~kubuntu-ninjas>

