

Review is good

**It's the primary
collaboration process**

Typical patch review tasks

- Work out what the patches are changing
- Check source material
 - Licensing for new packages/patches
 - Bundled source/binaries
- Check how many packages are affected
- Check new and affected packages build
 - On multiple systems: x86_64-linux, i686-linux, aarch64-linux, armhf-linux, powerpc64le-linux, ...
- Check for lint warnings
- Check the synopsis and descriptions against the guidelines
- Test reproducibility of new/affected packages
 - Check code formatting
 - Check commit message style
 - Email feedback and respond to replies
 - ...

What kind of tasks could automation help with?

Tasks that:

- Can easily be done without human input
- Take a long time
- Require specific hardware

What tasks aren't candidates for automation

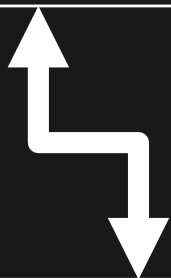
(currently, in my opinion)

- Checking the synopsis and description
- Checking licensing and for bundled source/binaries

Progress so far

- Several iterations over the last few years
- Approaches for most of the hard problems
 - Work out what's changed with the Guix Data Service
 - Build affected packages and report result with the Guix Build Coordinator
- "QA Frontpage" for communicating information to patch submitters and reviewers

Guix Build Coordinator
(coordinator.bayfront.)



Guix Data Service
(data.qa.guix.gnu.org)

Guix QA
Frontpage
(qa.guix.gnu.org)

Guix Build Coordinator
(coordinator.bayfront.)

**Build things
and report**

**Work out
what's changed**

Guix Data Service
(data.qa.guix.gnu.org)

Guix QA
Frontpage
(qa.guix.gnu.org)

**Communicate
actionable
information**

issues.guix.gnu.org

View issues

qa.guix.gnu.org

See patch series status (plus everything QA related)

laminar.cbaines.net

Manage branches for patch series

git.guix-patches.cbaines.net

Store branches for patch series

data.qa.guix.gnu.org

Work out what's changed with patch series and branches

patches.guix-patches.cbaines.net

Patchwork instance for processing guix-patches emails

Chris's personal mailserver

Handles emails to data.qa.guix.gnu.org and patches.guix-patches.cbaines.net

laminar.cbaines.net

Move functionality to
qa.guix.gnu.org

git.guix-patches.cbaines.net

Host on Guix project infrastructure

data.qa.guix.gnu.org

Host on Guix project infrastructure

patches.guix-patches.cbaines.net

Replace with issues.guix.gnu.org

Chris's personal mailserver

Replace with Guix project
mailserver

QA

This service is in the very early stages of development.


Find the code in [this git repository](#) and send patches to mail@cbaines.n

ies

[issues for patches](#)

QA: Patches

2 [bug#57902] New package idevicerestore + libirecovery

1  [bug#57900] : scripts: build: Format strings before calling

3 Add waybar-cpu-histogram

7 Add emacs-emprise

5 Minetest updates, new game.

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κ QA: Issue 57869

[View issue on issues.guix.gnu.org](#)

[View series on Patchwork](#)

[View Guix Data Service comparison](#)

#57869,1/3] gnu: lttng-modules: Update to 2.1

ge Linter Message

lint warning changes

Package build status

ystem

Base

Succeeding

Failing

Unknown

Succeeding

64-linux

2

1

0

3

6-linux

2

1

0

2

164-linux

2

1

0

3

1f-linux

2

1

0

3

How you can
get involved?

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- Get involved in the discussion

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- Work on qa.guix.gnu.org

How you can get involved?

- Get involved in the discussion
- Work on qa.guix.gnu.org
- So many other things...