

ASDF 2

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Background

- ▶ ASDF is the *de facto* standard Common Lisp system definition facility.
- ▶ Something like `make` for Common Lisp.
 - ▶ But `make` is a lot simpler!
- ▶ ASDF originally written by Dan Barlow, c. 2001.
- ▶ ASDF has been showing its age:
 - ▶ Bugs
 - ▶ Feature limitations

Enter ASDF 2

- ▶ Managed by François-René Rideau (Faré, <http://fare.tunes.org>):
 - ▶ Has put an enormous amount of effort into ASDF 2.
 - ▶ Excellent programmer.
- ▶ Maintained in git:
`git://common-lisp.net/projects/asdf/asdf.git.`
- ▶ Aim was to fix bugs and add improvements without breaking existing systems.
- ▶ Final release Real Soon Now.
 - ▶ In your favorite CL implementation ?

What you have to look forward to...

- ▶ Some bugs fixed:
 - ▶ Module dependencies! 😊
- ▶ Some bugs unfixed:
 - ▶ System dependencies. 😞
- ▶ Binary wrangling:
 - ▶ By default binaries will go in common directories (maybe not where you expect!).
 - ▶ By default ASDF will handle uses of different CL implementations.
 - ▶ Backward compatibility with `ASDF-BINARY-LOCATIONS` provided.
- ▶ DSLs for configuration
 - ▶ Binary destinations;
 - ▶ Search path (`asdf:*central-registry*` setting supported for backward compatibility).
- ▶ `#+asdf2` to detect presence of new ASDF.

Recommendation

- ▶ Pull a copy from git.
- ▶ Test with your systems, now!
 - ▶ Push new asdf directory onto your `asdf:*central-registry*`.
 - ▶ `(asdf:oos 'asdf:load-op 'asdf)`
- ▶ Report bugs in code or documentation to <https://bugs.launchpad.net/asdf>
- ▶ Questions to `asdf-devel@common-lisp.net`