

Hacking on Debsources at Google Summer of Code

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Outline

- 1 Debsources
- 2 Copyright tracker
 - Goals
 - Outcome
- 3 Patch tracker
 - Goals
 - Outcome
- 4 Demo
- 5 To close



Debsources

- Web access to all the Debian sources
- API
- Syntax-highlighted source code
- Highlight specific lines of code
- Pop up messages
- Source code statistics
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- More details at the talk of Stefano Zacchiroli and Matthieu Caneill later today



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Copyright tracker

Goals

Web

All Debian license are belong to us

Rendering and export

Rendering / SPDX export of machine readable Debian copyright files

API

Retrieve license.s of a checksum or a list of checksums or a package / version / path

Statistics

Most common license in the Debian archive, evolution of top-N licenses etc.

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Copyright tracker

Outcome

- ✓ Browsing d/copyright files
- ✓ Fancy rendering of machine readable d/copyright files
- ✓ SPDX export
- ✓ API
- ✓ Statistics
 - Application modular enough to include other license oracles (Ninka, Fossology, ...)



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Patch tracker

Goals

Web

All Debian patch are belong to us

View

Syntax-highlighted view of a patch

Download

Raw download of a patch

Package summary

View list of patches (file deltas, description, BTS)

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Patch tracker

Outcome

- Supported patch formats: 3.0 (quilt)
- ✓ Browsing patches
- ✓ Syntax highlighted view of a patch
- ✓ Download patch
- ✓ Package summary



Demo



To close

- Thanks to my mentors
- Reports about my work:
 - weekly reports on the soc-coordination list
 - oioannou.com
- IRC: `#debian-debsources` or `#debian-qa`
- Questions ??

