

The Free and Open Source Electronic Lab Notebook



Summary

- Why use an electronic lab notebook?
- Why use an open source solution?
- Why use eLabFTW?
- Why use Deltablot hosting?

Why use an ELN?

Problem:

Need to store metadata of experiments (what, when, where, who, why, how)

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Solution:

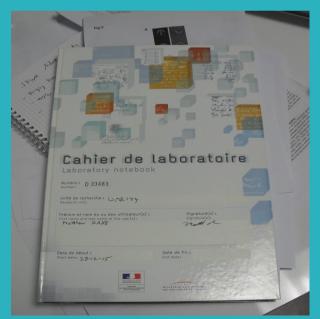


Why use an ELN?

Problem:

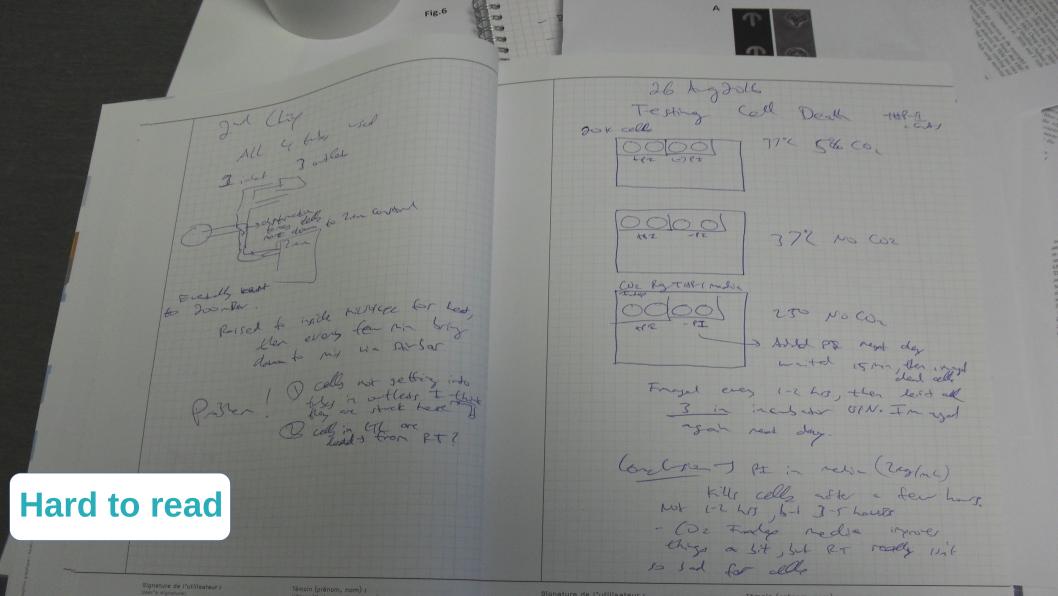
Need to store metadata of experiments (what, when, where, who, why, how)

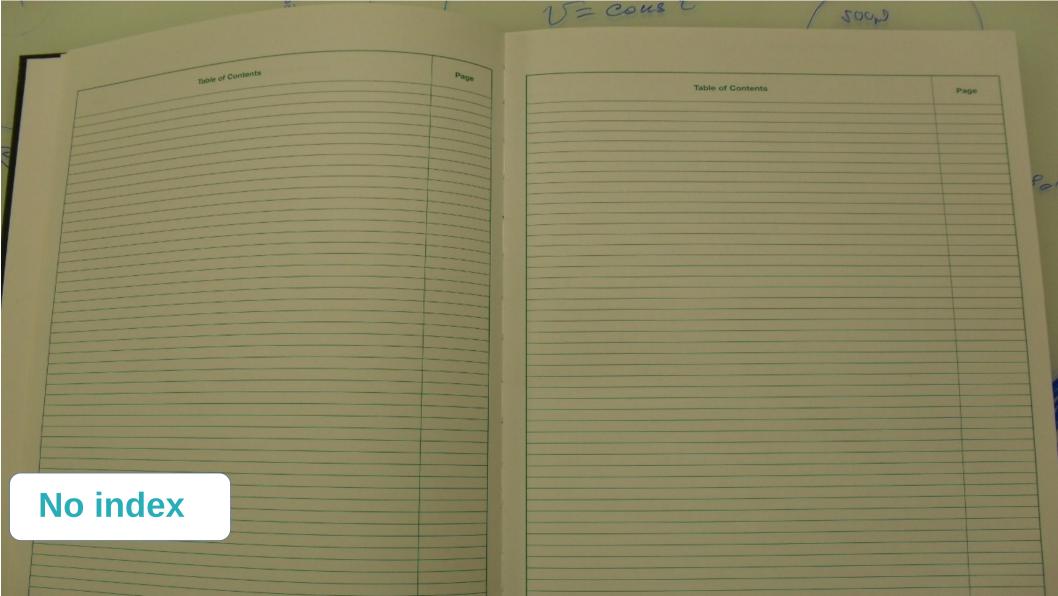
Solution:



Limitations:

- Can be lost or burned
- No backups
- Often empty
- Not readable by others easily
- Can't search for something
- Can't input digital data







Now you want to use an ELN

Problem:

Which one?

"Should we use the free solutions out there?"

"But if it's free, it means we are the product, right?"

"Those privacy policies mention too many times the word "marketing" to my taste"

Real world example from a commercial ELN:

tracking email invitations you send; and otherwise supporting your use of the Site. We may use your personal data for target advertising toward you based on things such as region, gender, position, interests, goals, habits, etc. and in order to meet legal obligations.

Now you want to use an ELN

Problem:

Which one?

"But should I give all my research results to a foreign company on which I have no control?"

"What happens if that company gets bought by a foreign consortium?" "What happens to my data if that company closes"

Now you want to use a free and open source ELN

Problem:

Which one?

Well, eLabFTW of course! It's the most popular, versatile, modern, and secure ELN out there!*;)

eLabFTW

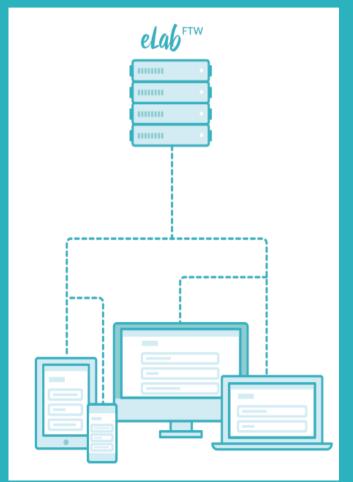
- Developed since 2012
- Free as in beer
- Free as in speech
- 500+ stars on GitHub
- Vibrant users community contributing to the software
- Modern codebase and interface
- Has all features you might expect and then some
- Secure
- Popular all over the world

eLabFTW: key features

Web based

No client to install

Responsive design (works with all screen sizes)

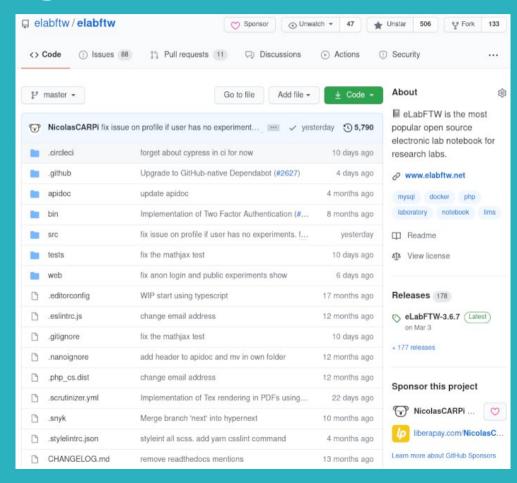


eLabFTW: key features

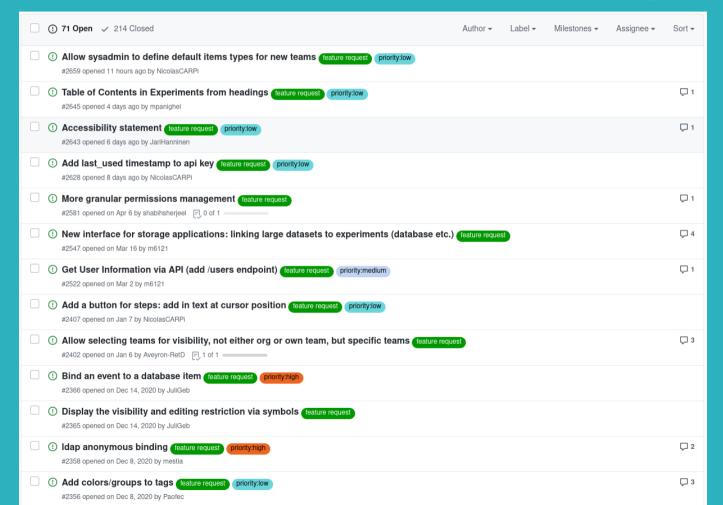
Completely Open Source

Access to the source code is immediate

Users contributions are welcome



eLabFTW: community driven development



eLabFTW: key features

- Trusted timestamping (RFC 3161)
- Blockchain timestamping
- API access
- SAML/LDAP authentication
- Templates for experiments
- Database for products/protocols
- Export in ZIP, PDF, CSV, JSON
- Molecule editor
- Todolist
- Tex rendering
- Very customizable
- Translated in 17 languages

eLabFTW: key features For research centers/universities

- Host it on your network
- Centralize your results on one server
 - No data gets lost if a laptop of a postdoc is stolen
 - Several teams can be hosted on the same instance
 - You stay in control of your data at all times

eLabFTW: key features For startups

- Strictly no data leaking to third parties
- Confidentiality is guaranteed
- You stay in control of your data at all times
- Highly customizable

eLabFTW: quality software

- Test suite (unit, end-to-end, static analysis)
- Respects code standards
- Best practices followed
- Modern tooling used

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Scrutinizer 9.09 cii best practices passing chat on gitter license AGPL release v4.1.0 tech stack JOSS 10.21105/joss.00146 carbon offset 22.5293 tonnes trees 1.9k trees plant more trees
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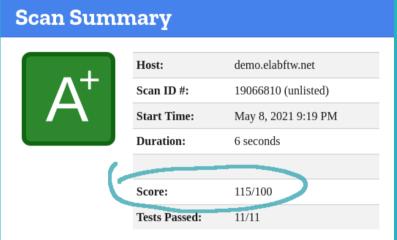
eLabFTW: secure software

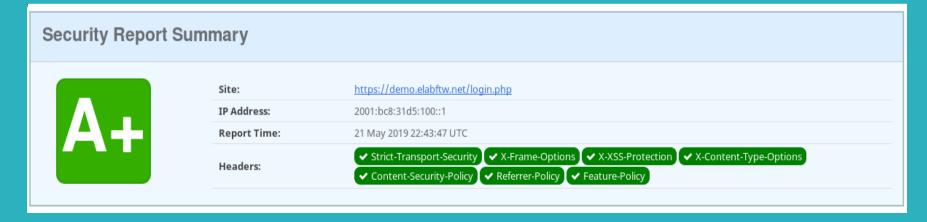
- Tight and secure configuration at different levels
- Vulnerability scans
- Signed releases
- Perfect score on Mozilla's Observatory

eLabFTW: secure software

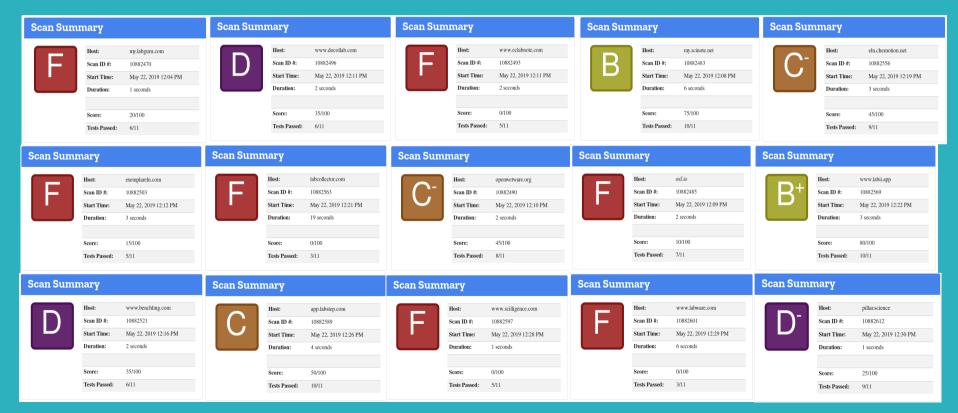


Source: Mozilla's Observatory





eLabFTW: secure software not like others...



eLabFTW: supported software

Free support on GitHub
PRO support available from Deltablot
Hosting available from Deltablot

https://www.deltablot.com

contact@deltablot.email



eLabFTW: get hosted!



Hosting a web service can be tricky if you don't have the right knowledge.

HSTS, SSH, TLS, CSP, Docker, Nginx, etc...

Don't worry about all of that, and use Deltablot's hosting!

See Deltablot hosting solution

Get in touch: contact@deltablot.email

eLabFTW: links

Main website: https://www.elabftw.net

Documentation: https://doc.elabftw.net

Live demo: https://demo.elabftw.net

Source code: https://github.com/elabftw/elabftw

Commercial website: https://www.deltablot.com/elabftw