eLabFTW

The Free and Open Source Electronic Lab Notebook

www.elabftw.net

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:

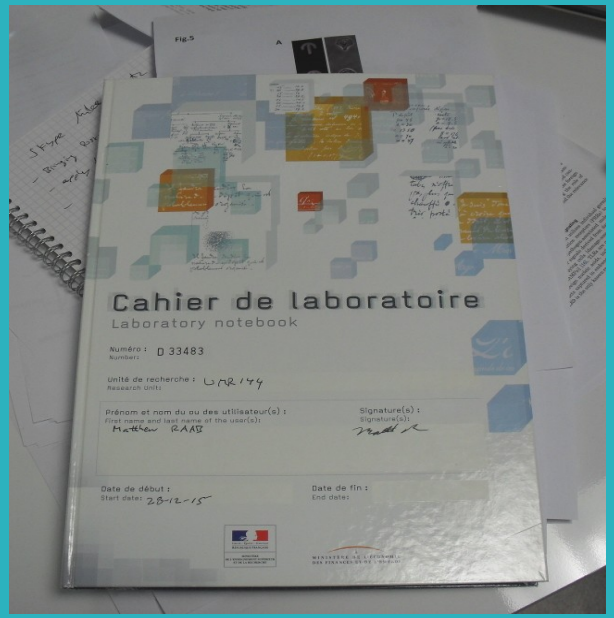
Need to store metadata of experiments (what, when, where, who, why, how)

Why use an ELN?

Problem:

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

Solution:

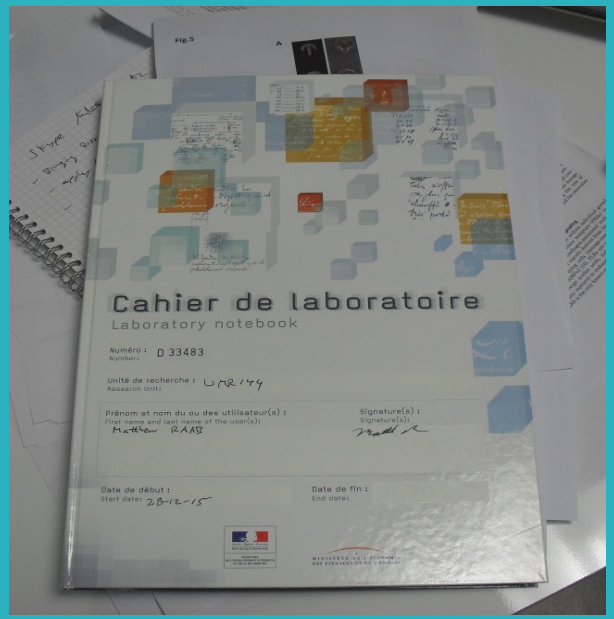


Why use an ELN?

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

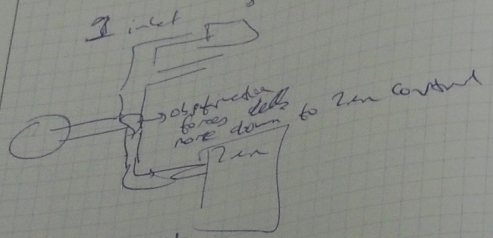
Fig.6

2nd Chip

All 4 tubes used

3 outlet

1 inlet



Eventually went to 200ml.

Raised to inside incubator for test, then every few min bring down to mix via straw

Problem! ① cells not getting into tubes in outlets I think they are stuck here

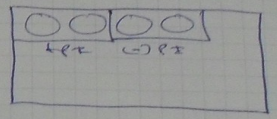
② cells in 4°C are dead from RT?

A

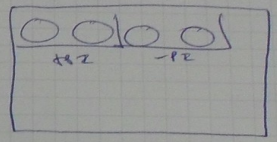
26 Aug 2016

Testing Cell Death THP-1 cells

30K cells

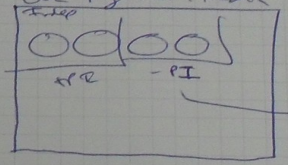


37°C 5% CO_2



37°C No CO_2

CO_2 Rg THP-1 Media



25° No CO_2

Add PI next day waited 15 min, then imaged dead cells

Imaged every 1-2 hrs, then left all 3 in incubator O/N. Imaged again next day.

Conclusion: PI in media (2ug/mL) kills cells after a few hours. Not 1-2 hrs, but 3-5 hours

- CO_2 Fridge media improves things a bit, but RT really bad for cells

Hard to read

Signature de l'utilisateur :
user's signature:

Témoin (prénom, nom) :

Signature de l'utilisateur :

Table of Contents | Page

Table of Contents | Page

No index


No search

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”
“What do you mean by using machine learning on my data????”

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!* ;)

*source: me

eLabFTW

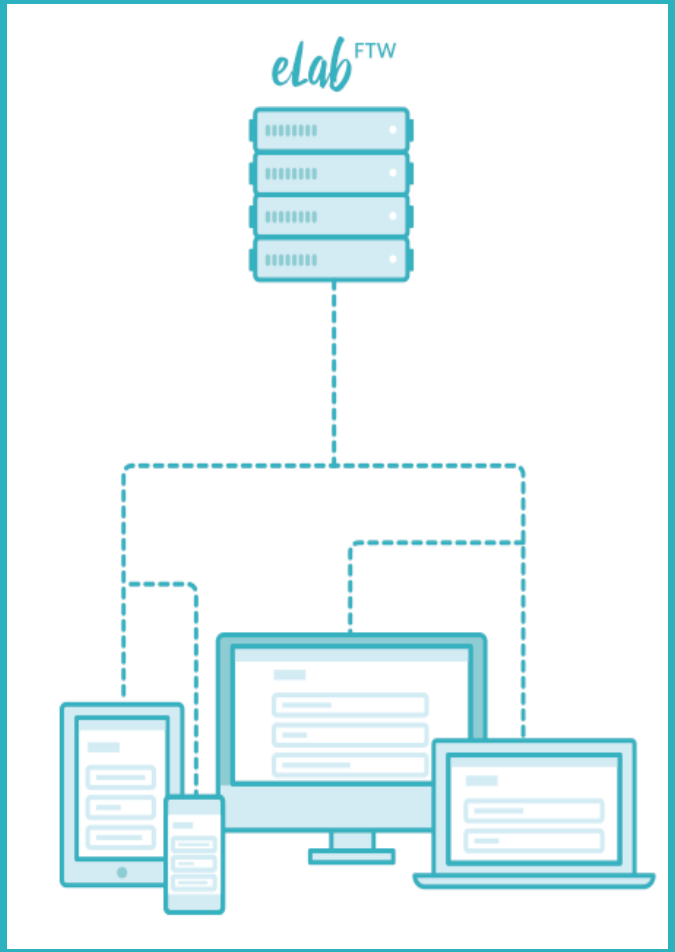
- Developed since 2012
- Free as in beer
- Free as in speech
- 500+ stars on GitHub
- Vibrant users community contributing to the software
- Modern codebase and interface
- Has all features you might expect and then some
- Secure
- Popular all over the world

eLabFTW: key features

Web based

No client to install

Responsive design (works with all screen sizes)

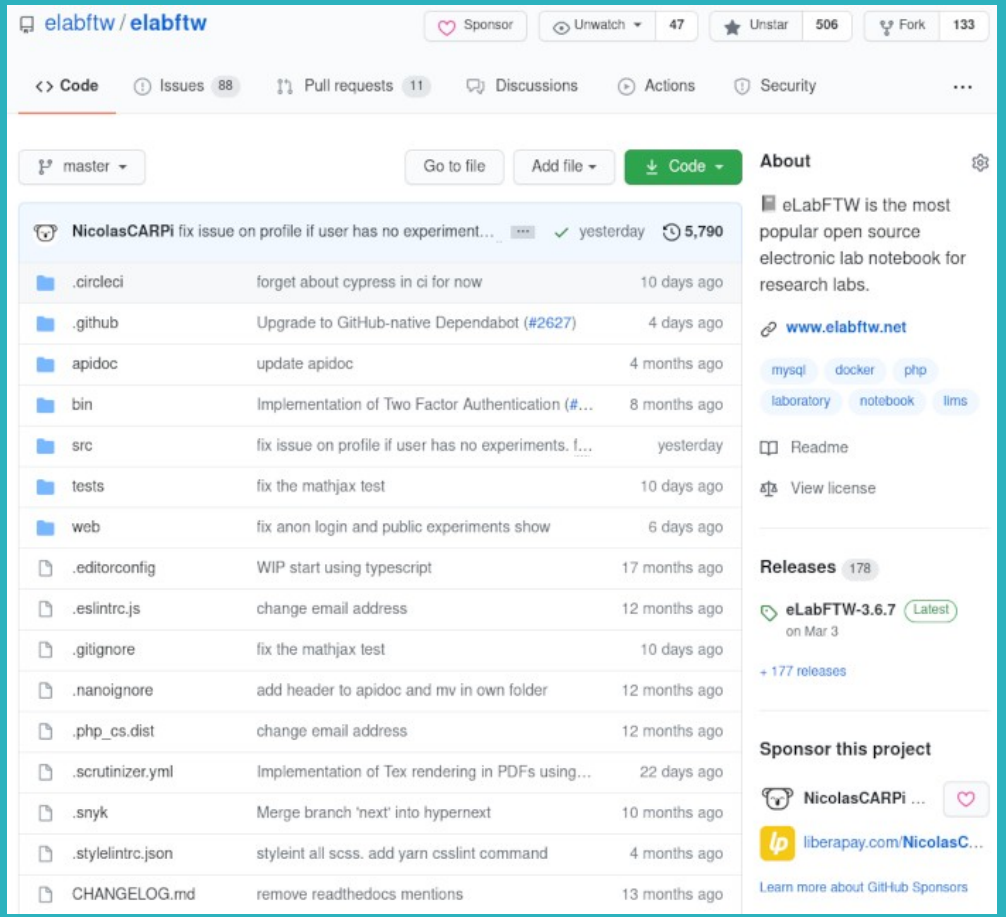


eLabFTW: key features

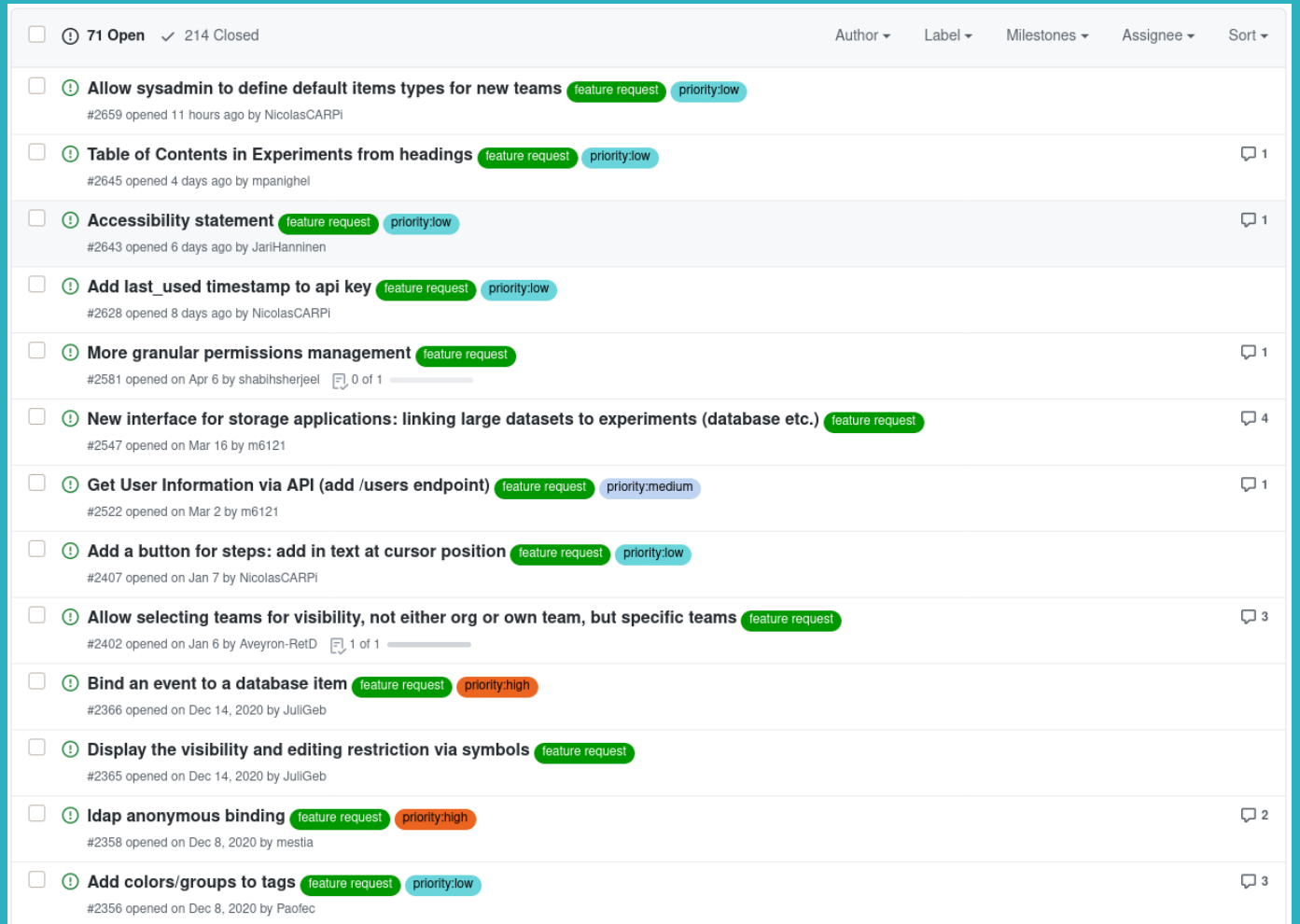
Open source

Access to the source code is immediate

Users contributions are welcome



eLabFTW: community driven development



eLabFTW: key features

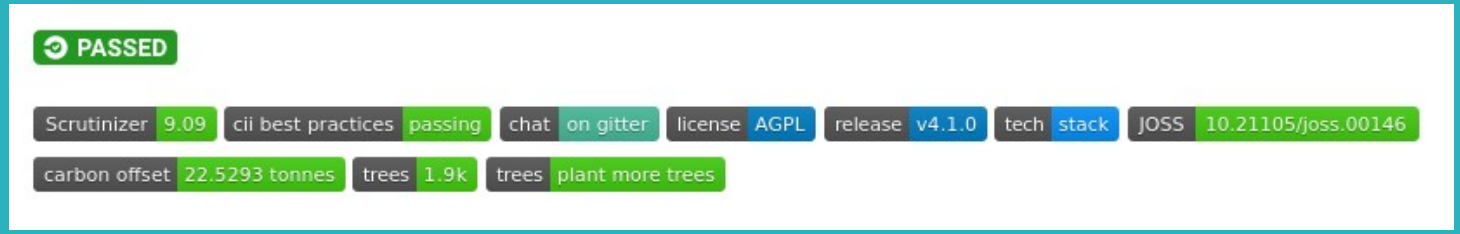
- Trusted timestamping (RFC 3161)
- Blockchain timestamping
- API access
- SAML/LDAP authentication
- Templates for experiments
- Database for products/protocols
- Export in ZIP, PDF, CSV, JSON
- Molecule editor
- Todolist
- Tex rendering
- Very customizable
- Translated in 17 languages

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: quality software

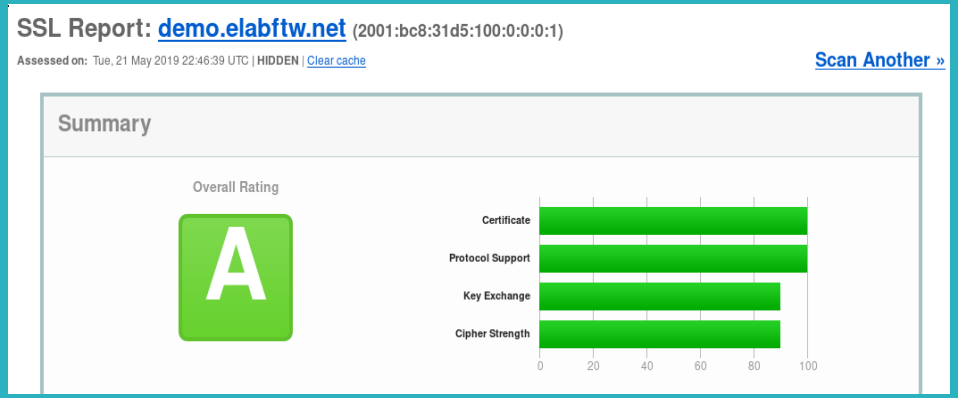
- Test suite (unit, end-to-end, static analysis)
- Respects code standards
- Best practices followed
- Modern tooling used



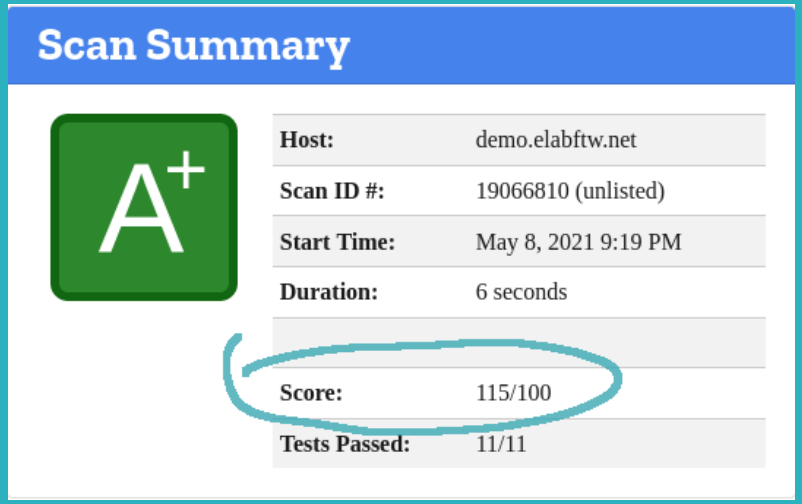
eLabFTW: secure software

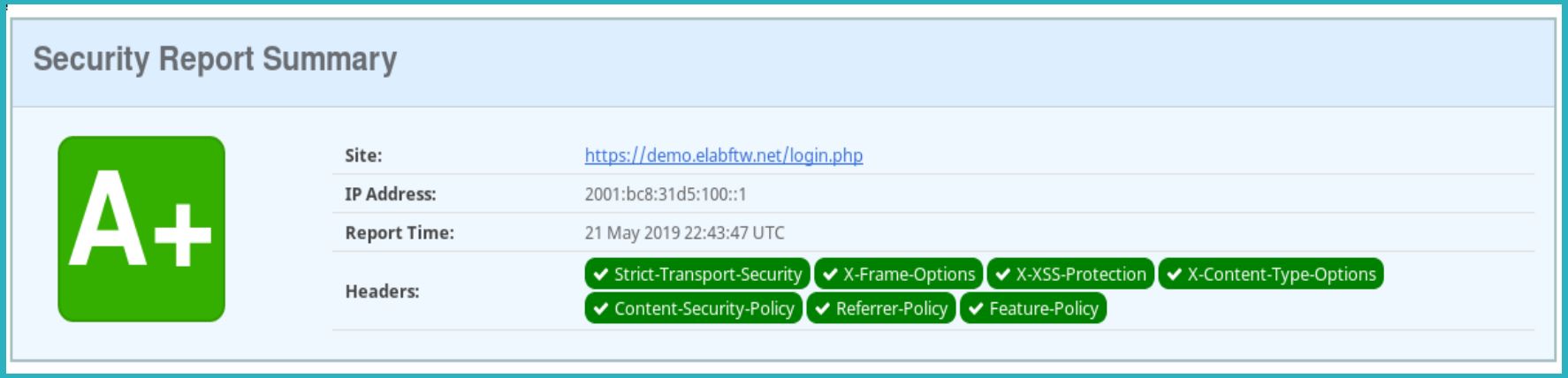
- Tight and secure configuration at different levels
- Vulnerability scans
- Signed releases
- Perfect score on Mozilla’s Observatory

eLabFTW: secure software

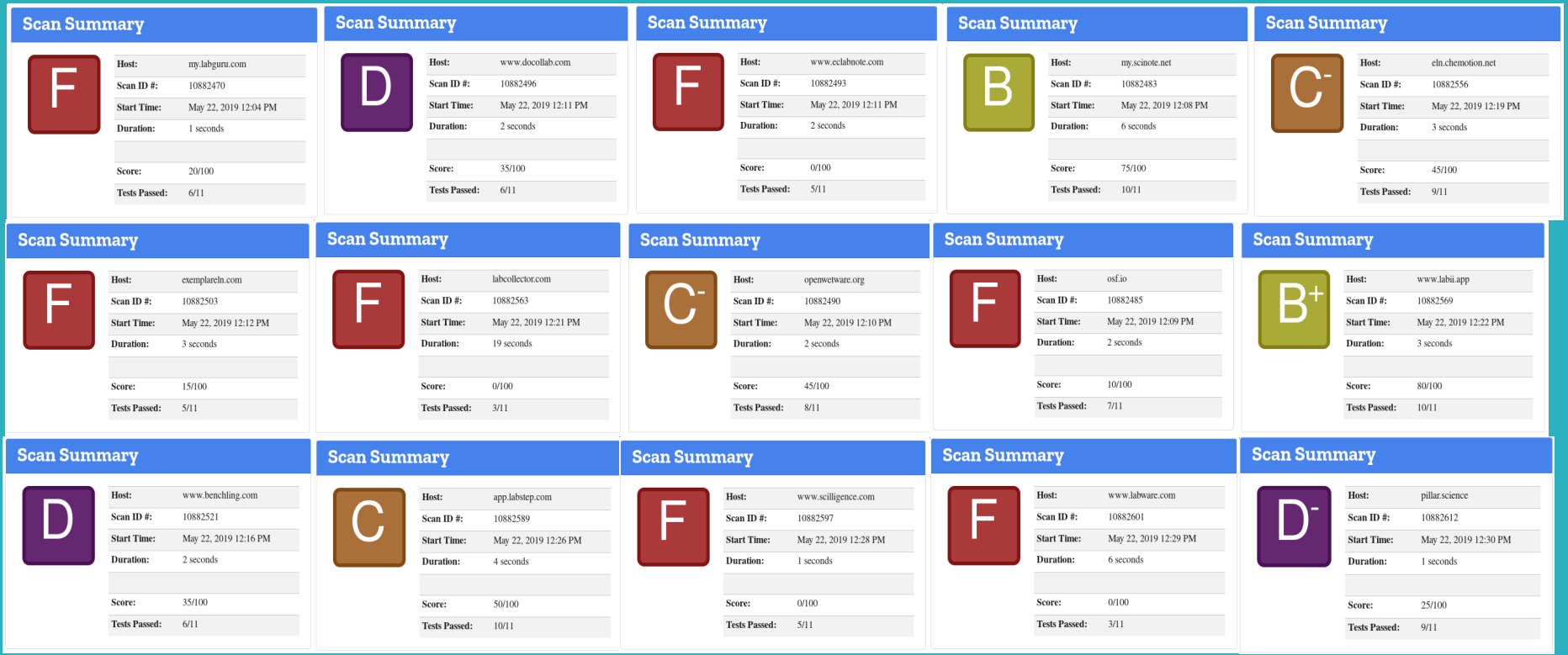


Source: Mozilla's Observatory





eLabFTW: secure software
... not like others...



Scan Summary

Host:	my.labguru.com
Scan ID #:	10882470
Start Time:	May 22, 2019 12:04 PM
Duration:	1 seconds
Score:	20/100
Tests Passed:	6/11

Scan Summary

Host:	www.docollab.com
Scan ID #:	10882496
Start Time:	May 22, 2019 12:11 PM
Duration:	2 seconds
Score:	35/100
Tests Passed:	6/11

Scan Summary

Host:	www.eclabnote.com
Scan ID #:	10882493
Start Time:	May 22, 2019 12:11 PM
Duration:	2 seconds
Score:	0/100
Tests Passed:	5/11

Scan Summary

Host:	ny.scinote.net
Scan ID #:	10882483
Start Time:	May 22, 2019 12:08 PM
Duration:	6 seconds
Score:	75/100
Tests Passed:	10/11

Scan Summary

Host:	eln.chemotion.net
Scan ID #:	10882556
Start Time:	May 22, 2019 12:19 PM
Duration:	3 seconds
Score:	45/100
Tests Passed:	9/11

Scan Summary

Host:	exemplareln.com
Scan ID #:	10882503
Start Time:	May 22, 2019 12:12 PM
Duration:	3 seconds
Score:	15/100
Tests Passed:	5/11

Scan Summary

Host:	labcollector.com
Scan ID #:	10882563
Start Time:	May 22, 2019 12:21 PM
Duration:	19 seconds
Score:	0/100
Tests Passed:	3/11

Scan Summary

Host:	openwetware.org
Scan ID #:	10882490
Start Time:	May 22, 2019 12:10 PM
Duration:	2 seconds
Score:	45/100
Tests Passed:	8/11

Scan Summary

Host:	osf.io
Scan ID #:	10882485
Start Time:	May 22, 2019 12:09 PM
Duration:	2 seconds
Score:	10/100
Tests Passed:	7/11

Scan Summary

Host:	www.labii.app
Scan ID #:	10882569
Start Time:	May 22, 2019 12:22 PM
Duration:	3 seconds
Score:	80/100
Tests Passed:	10/11

Scan Summary

Host:	www.benchling.com
Scan ID #:	10882521
Start Time:	May 22, 2019 12:16 PM
Duration:	2 seconds
Score:	35/100
Tests Passed:	6/11

Scan Summary

Host:	app.labstep.com
Scan ID #:	10882589
Start Time:	May 22, 2019 12:26 PM
Duration:	4 seconds
Score:	50/100
Tests Passed:	10/11

Scan Summary

Host:	www.scilligence.com
Scan ID #:	10882597
Start Time:	May 22, 2019 12:28 PM
Duration:	1 seconds
Score:	0/100
Tests Passed:	5/11

Scan Summary

Host:	www.labware.com
Scan ID #:	10882601
Start Time:	May 22, 2019 12:29 PM
Duration:	6 seconds
Score:	0/100
Tests Passed:	3/11

Scan Summary

Host:	pillar.science
Scan ID #:	10882612
Start Time:	May 22, 2019 12:30 PM
Duration:	1 seconds
Score:	25/100
Tests Passed:	9/11

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