

Back-end which powers LinuxDays.cz

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- founded 2012 (co-hosted with SUSE conference)
- independent since 2013
- yearly first weekend in October
- 1200 attendees



- 2012 provided by SUSE – (bootstrapping-awesome.org)
- 2013 WordPress and Open Source Event Management, replaced by Google calendar
- 2014 static HTML, Google Forms, hand-made schedule
- 2015+ static + SSI HTML, custom forms, generated schedule



“Just a simple form”

- just something that grabs form input and put it into a file
- no need for a big solution
- no need for a database
- no need for authentication, sanity checks, etc.
- a *simple* CGI script will do the job



Well, what if...

- concurrent processes try to append to the same file
- maybe a database would be actually handy
- solution: **one file per request**



And then it starts growing...

We need to...

- validate provided e-mail address
- send e-mail whenever someone submits something
- subscribe people to mailing lists
- let the people unregister
- create the **schedule of talks**
- create the badges



Current software stack

ldform

- Python 3
- cgi
- json (output)
- importlib (per-form plug-ins)
- csv (data dump)
- jinja2 (for fancy response pages)

genschedule

- Python 3
- csv (data ingest)
- lxml.html (HTML generation)

badge generator

- Python 3
- ElementTree
- namedtuple
- Inkscape



At least it's working, isn't it?

- no test environment
- no tests
- vulnerable to various attacks
- no easy way to create the schedule
- endless problems with CSS on various devices

Right now: looking for an admin interface to get rid of Google Sheets
...Indico maybe?



Thank You!

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