



Webshop Pencil

BTI7054 Web programming

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Summary I



- Twitter Bootstrap
- Savant3
- PDF/JSON export
- Openstreetmap
- Openweathermap

Summary II



- Email
- Message Queuing Telemetry Transport (MQTT)
- Sphinx for documentation
- Ansible for deployment

Server side



The web server was running in LX container on a Linux host.

- Operating system: Fedora 20
- Kernel: 3.12.5-302.fc20.x86_64
- LXC 0.9.0 & libvirt 1.1.3.2

Service side



- Lighttpd: 1.4.32
- PHP: 5.5.7
- MariaDB: 5.5.34
- Postfix: 2.10.2
- Mosquitto: 1.2.3



gettext

- very popular in the open source world and OpenI18N Standard
- optimized for speed
- translations are separated from the content

PDF



FPDF

- Sorry, are we back in 1999?
- Generation of product specifications was try-and-error
- Order confirmation

Templating



Savant3

- easy to implement
- very limited
- only used for simple pages



Openstreetmap and OpenWeatherMap

- no registration, no API key
- nice alternative to other services
- done by people for people

MQTT messaging



Mosquitto

- Alternative logging or monitoring system
- Wide range of possible applications
- Consumers can subscribe to specific topics



Sphinx

- reStructuredText is easy to learn
- various output formats (html, latex, ePub, etc.)
- git hook for readthedocs.org



Ansible and LXC

- a fast way to deploy the complete website
- LXC needs less resources than a full vm
- needs some additional steps to setup
- during development it's faster to edit the file directly

Servers



- SELinux needs some additional treating
- the misuse of Ansible works fine
- a lot of components needs to work together

PHP/ Javascript/SQL/etc



- hotchpotch of languages/syntax
- old meets young
- less is often more

Resources



- Git repository:
`https://github.com/fabaff/ch.bfh.bti7054.w2013.p.shop`
- Documentation:
`https://shop.rtf.d.org/`

The last words...



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