



Berner Fachhochschule
Haute école spécialisée bernoise
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Linux Team Meeting

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IT Supporter, Team Workspace Services

Overview

Part 1

- ▶ Quick intro into Sphinx and Docutils
- ▶ How to initiate Sphinx on your project

Part 2

- ▶ Whats new?
- ▶ How we use it
- ▶ Demo
- ▶ Question and Answers

Ressources

- ▶ Documentation on linux.bfh.ch
- ▶ Reference from sphinx/docutils
- ▶ Cheatsheet(s)

Part 1

Sphinx and the toolchain Docutils

Part 1

Docutils

- ▶ Toolchain written in Python
- ▶ Support multiple output formats like HTML, ePub, LaTeX, man-pages and more

Sphinx

- ▶ Documenting code projects
 - Written for the new Python documentation
 - In use for documenting the linux kernel source
- ▶ Extensions written in Python
- ▶ Theming support based on templates
- ▶ reStructuredText (reST)

Part 1

How to initiate Sphinx on your project

- ▶ Following packages are needed;
make, python3-sphinx, python3-sphinx-autobuild, python3-sphinx-bootstrap-theme, python3-sphinxcontrib.nwdiag
- ▶ Use sphinx-quickstart to initiate a Sphinx project.
- ▶ A quick view on the configuration file
- ▶ Ignore the build directory in git

Part 2

Sphinx@linux.bfh.ch

Part 2

A Sphinx project like linux.bfh.ch

- ▶ Following packages are needed;
make, python3-sphinx, python3-sphinx-autobuild, python3-sphinx-bootstrap-theme, python3-sphinxcontrib.nwdiag
- ▶ Clone the repository, publish your content with git push
- ▶ We will build debian packages to include our theme modifications

Demo

- ▶ Make livehtml
- ▶ Current workaround(s)
 - raw html
 - staticfix
- ▶ Push onto linux.bfh.ch

Quick view on linux.bfh.ch

- ▶ Git Trigger

Ressources

Ressources

Styleguide and Quickreference on linux.bfh.ch

- ▶ <https://linux.bfh.ch/software/sphinx/>

Documentation of Sphinx and Docutils

- ▶ <http://www.sphinx-doc.org/en/stable/>
- ▶ <http://docutils.sourceforge.net/>

Documentation of reStructuredText

- ▶ <http://www.sphinx-doc.org/en/stable/rest.html>
- ▶ <http://docutils.sourceforge.net/rst.html>
- ▶ Use the source button/link!
- ▶ <http://docutils.sourceforge.net/docs/user/rst/demo.html>

Thank You for Your Attention.

♥ Source Code is freely available

```
git clone git://git.bfh.ch/git/staff/kza1/talks.git
```