
DocOnce

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Oct 29, 2015

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Kapitel 1

DocOnce, eine universelle Markup-Sprache

1.1 Was ist DocOnce

test **Simon 1:** einfache minimal getaggte Markup-Sprache **Simon 2:** kann in ziemlich jedes Format umgewandelt werden 5%

1.2 Vor- und Nachteile

1.2.1 Vorteile

- viele Ausgabeformate
- geeignet für Autoren die für viele unterschiedliche Medien schreiben
- Viele unterschiedliche Designs für das Erstellen von z.B. html-Dokumenten
- Source-Code kann direkt aus Dateien ausgelesen werden
- kann auch nur als einfacher Text ausgegeben werden z.B. für Email oder Code-Dokumentationen]

1.2.2 Nachteile

- Installation auf Windows nicht möglich
- erstellte Formate (z.B. .tex) benötigen (stellenweise) händische Überprüfung
- erbt probleme der Zielformate wie z.B. automatisches Setzen von Grafiken in LaTeX

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Kapitel 2

Installation

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Kapitel 3

Syntax

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Kapitel 4

Ausgabeformate

Kapitel 5

Parameter für den `doconce`-Befehl

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Kapitel 6

Fazit

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Kapitel 7

Anhang

7.1 Setup-Script

```
#!/bin/bash
# Automatically generated script by deb2sh.py.

# The script is based on packages listed in debpkg_doconce.txt.

set -x # make sure each command is printed in the terminal

function apt_install {
    sudo apt-get -y install $1
    if [ $? -ne 0 ]; then
        echo "could not install $1 - abort"
        exit 1
    fi
}

function pip_install {
    sudo pip install --upgrade "$@"
    if [ $? -ne 0 ]; then
        echo "could not install $p - abort"
        exit 1
    fi
}

sudo apt-get update --fix-missing

# Installation script for doconce and all dependencies

# This script is translated from
# doc/src/manual/debpkg_doconce.txt
# in the doconce source tree, with help of
# vagrantbox/doc/src/vagrant/src-vagrant/deb2sh.py
# (git clone git@github.com:hplgit/vagrantbox.git)

# Python v2.7 must be installed (doconce does not work with v3.x)
pyversion='python -c 'import sys; print sys.version[:3]''
if [ $pyversion != '2.7' ]; then echo "Python v${pyversion} cannot be used with DocOnce"; exit 1; fi

# Install downloaded source code in subdirectory srclib
if [ ! -d srclib ]; then mkdir srclib; fi
```

```

# Version control systems
apt_install mercurial
apt_install git
apt_install subversion

# --- Python-based packages and tools ---
apt_install python-pip
apt_install idle
apt_install python-dev
apt_install python-pdftools
pip_install ipython --upgrade
pip_install tornado --upgrade
pip_install pyzmq --upgrade
pip_install traitlets --upgrade
pip_install pickleshare --upgrade
pip_install jsonschema
# If problems with IPython.nbformat.v4: clone ipython and run setup.py
# to get the latest version

# Preprocessors
pip_install future
pip_install mako --upgrade
pip_install -e git+https://github.com/hplgit/preprocess#egg=preprocess --upgrade

# Publish for handling bibliography
pip_install python-Levenshtein
pip_install lxml
pip_install -e hg+https://bitbucket.org/logg/publish#egg=publish --upgrade

# Sphinx (with additional third/party themes)
pip_install sphinx

pip_install alabaster --upgrade
pip_install sphinx_rtd_theme --upgrade
pip_install -e hg+https://bitbucket.org/ecollins/cloud_sptheme#egg=cloud_sptheme --upgrade
pip_install -e git+https://github.com/ryan-roemer/sphinx-bootstrap-theme#egg=sphinx-bootstrap-theme --upgr
pip_install -e hg+https://bitbucket.org/miiton/sphinxjp.themes.solarized#egg=sphinxjp.themes.solarized --up
pip_install -e git+https://github.com/shkumagai/sphinxjp.themes.impressjs#egg=sphinxjp.themes.impressjs --
pip_install -e git+https://github.com/krisda/sphinx-sagecell#egg=sphinx-sagecell --upgrade

# Runestone sphinx books
pip_install sphinxcontrib-paverutils
pip_install paver
pip_install cogapp

#pip_install -e git+https://bitbucket.org/sanguineturtle/pygments-ipython-console#egg=pygments-ipython-con
pip_install -e git+https://bitbucket.org/hplbit/pygments-ipython-console#egg=pygments-ipython-console
pip_install -e git+https://github.com/hplgit/pygments-doconce#egg=pygments-doconce

# XHTML
pip_install beautifulsoup4
pip_install html5lib

# ptex2tex is not needed if --latex_code_style= option is used
cd srclib
svn checkout http://ptex2tex.googlecode.com/svn/trunk/ ptex2tex
cd ptex2tex
sudo python setup.py install
cd latex
sh cp2texmf.sh
cd ../../..

# LaTeX
apt_install texinfo
apt_install texlive-full

```

```

#apt_install texlive-extra-utils
#apt_install texlive-latex-extra
#apt_install texlive-latex-recommended
#apt_install texlive-math-extra
#apt_install texlive-font-utils
#apt_install texlive-humanities
apt_install latexdiff
apt_install auctex

# Image manipulation
apt_install imagemagick
apt_install netpbm
apt_install mjpegtools
apt_install pdftk
apt_install giftrans
apt_install gv
apt_install evince
apt_install smpeg-plaympeg
apt_install mplayer
apt_install totem
apt_install libav-tools

# Misc
apt_install ispell
apt_install pandoc
apt_install libreoffice
apt_install unoconv
apt_install libreoffice-dmaths
#epydok is an old-fashioned output format, will any doconce user use it?
#pip install -e svn+https://epydok.svn.sourceforge.net/svnroot/epydok/trunk/epydok#egg=epydok

apt_install curl
apt_install a2ps
apt_install wdiff
apt_install meld
apt_install diffpdf
apt_install kdiff3
apt_install diffuse

# tkdiff.tcl:
#tcl8.5-dev tk8.5-dev blt-dev
#https://sourceforge.net/projects/tkdiff/

# example on installing mdframed.sty manually (it exists in texlive,
# but sometimes needs to be in its newest version)
git clone https://github.com/marcodaniel/mdframed
if [ -d mdframed ]; then cd mdframed; make localinstall; cd ..; fi
#$ echo "remove the mdframe directory (if successful install of mdframed.sty): rm -rf mdframed"

# DocOnce itself
cd src/lib
git clone https://github.com/hplgit/doconce.git
if [ -d doconce ]; then cd doconce; sudo python setup.py install; cd ../..; fi
echo "Everything is successfully installed!"

```