

SiSU - SiSU information Structuring Universe / Structured information, Serialized Units

Quickstart, installation and use

Ralph Amissah

copy @ www.jus.uio.no/sisu/ *

Copyright © Ralph Amissah 2007, part of SiSU documentation, License GPL 3

Generated by SiSU [SiSU 0.59.0 of 2007w38/0] www.jus.uio.no/sisu

Copyright © 1997, current 2007 Ralph Amissah, All Rights Reserved.

SiSU is software for document structuring, publishing and search (with object citation numbering), www.sisudoc.org

SiSU is released under GPL 3 or later, <<http://www.fsf.org/licenses/gpl.html>>.

Document information:

sourcefile [sisu_quickstart.sst](#)

Generated by SiSU www.jus.uio.no/sisu

version information: [SiSU 0.59.0 of 2007w38/0](#)

For alternative output formats of this document check:

<http://www.jus.uio.no/sisu/sisu_quickstart/sisu_manifest.html>

Contents

SiSU - SiSU information Structuring Universe / Structured information, Serialized Units - Quickstart, installation and use, Ralph Amissah	1
Quickstart - SiSU installation and use	1
1. Quickstart - Getting Started Howto	2
1.1 Installation	2
1.2 Testing SiSU, generating output	4
1.3 Getting Help	5
1.4 Markup Samples	5
Document Information (metadata)	7
Metadata	7
Information on this document copy and an unofficial List of Some web related information and sources	8
Information on this document copy	8
Links that may be of interest	8

SiSU - SiSU INFORMATION STRUCTURING UNIVERSE / STRUCTURED INFORMATION, SERIALIZED UNITS - QUICKSTART, INSTALLATION AND USE, RALPH AMISSAH	1
QUICKSTART - SiSU INSTALLATION AND USE	2

1. Quickstart - Getting Started Howto

1.1 Installation

Installation is currently most straightforward and tested on the **Debian** platform, as there are packages for the installation of sisu and all requirements for what it does.

1.1.1 Debian Installation

SiSU is available directly from the **Debian** Sid and testing archives (and possibly Ubuntu), assuming your `/etc/apt/sources.list` is set accordingly:

```
aptitude update
aptitude install sisu-complete
```

The following `/etc/apt/sources.list` setting permits the download of additional markup samples:

```
#/etc/apt/sources.list
deb http://ftp.fi.debian.org/debian/ unstable main non-free contrib
deb-src http://ftp.fi.debian.org/debian/ unstable main non-free contrib
d
```

The aptitude commands become:

```
aptitude update
aptitude install sisu-complete sisu-markup-samples
```

If there are newer versions of **SiSU** upstream of the **Debian** archives, they will be available by adding the following to your `/etc/apt/sources.list`

```
#/etc/apt/sources.list
deb http://www.jus.uio.no/sisu/archive unstable main non-free
deb-src http://www.jus.uio.no/sisu/archive unstable main non-free
```

repeat the aptitude commands

```
aptitude update
aptitude install sisu-complete sisu-markup-samples
```

Note however that it is not necessary to install `sisu-complete` if not all components of `sisu` are to be used. Installing just the package `sisu` will provide basic functionality.

1.1.2 RPM Installation

RPMs are provided though untested, they are prepared by running `alien` against the source package, and against the debs.

They may be downloaded from:

<http://www.jus.uio.no/sisu/SiSU/download.html#rpm>

as root type:

```
rpm -i [rpm package name]
```

1.1.3 Installation from source

To install **SiSU** from source check information at:

<http://www.jus.uio.no/sisu/SiSU/download.html#current>

- download the source package
- Unpack the source

Two alternative modes of installation from source are provided, `setup.rb` (by Minero Aoki) and a `rant`(by Stefan Lang) built install file, in either case: the first steps are the same, download and unpack the source file:

For basic use **SiSU** is only dependent on the programming language in which it is written **Ruby** , and **SiSU** will be able to generate html, various XMLs, including ODF (and will also produce LaTeX). Dependencies required for further actions, though it relies on the installation of additional dependencies which the source tarball does not take care of, for things like using a database (postgresql or sqlite)¹ or converting LaTeX to pdf.

setup.rb

This is a standard ruby installer, using `setup.rb` is a three step process. In the root directory of the unpacked **SiSU** as root type:

```
ruby setup.rb config
ruby setup.rb setup
#[and as root:]
ruby setup.rb install
```

further information on `setup.rb` is available from:

<<http://i.loveruby.net/en/projects/setup/>>

<<http://i.loveruby.net/en/projects/setup/doc/usage.html>>

“install”

The “install” file provided is an installer prepared using “rant”. In the root directory of the unpacked **SiSU** as root type:

```
ruby install base
```

or for a more complete installation:

```
ruby install
```

or

```
ruby install base
```

This makes use of Rant (by Stefan Lang) and the provided Rantfile. It has been configured to do post installation setup setup configuration and generation of first test file. Note however, that additional external package dependencies, such as `tetex-extra` are not taken care of for you.

Further information on “rant” is available from:

¹ There is nothing to stop MySQL support being added in future.

<<http://make.rubyforge.org/>> 46

<http://rubyforge.org/frs/?group_id=615> 47

For a list of alternative actions you may type: 48

ruby install help 49

ruby install -T 50

1.2 Testing SiSU, generating output 51

To check which version of sisu is installed: 52

sisu -v 53

Depending on your mode of installation one or a number of markup sample files may be found either in the directory: 54

... 55

or 56

... 57

change directory to the appropriate one: 58

cd /usr/share/doc/sisu/sisu_markup_samples/dfsg 59

1.2.1 basic text, plaintext, html, XML, ODF 60

Having moved to the directory that contains the markup samples (see instructions above if necessary), choose a file and run sisu against it 61

sisu -NhwoabxXyv free_as_in_freedom.rms_and_free_software.sam_williams.sst 62

this will generate html including a concordance file, opendocument text format, plaintext, XHTML and various forms of XML, and OpenDocument text 63

1.2.2 LaTeX / pdf 64

Assuming a LaTeX engine such as tetex or texlive is installed with the required modules (done automatically on selection of sisu-pdf in **Debian**) 65

Having moved to the directory that contains the markup samples (see instructions above if necessary), choose a file and run sisu against it 66

sisu -pv free_as_in_freedom.rms_and_free_software.sam_williams.sst 67

sisu -3 free_as_in_freedom.rms_and_free_software.sam_williams.sst 68

should generate most available output formats: html including a concordance file, opendocument text format, plaintext, XHTML and various forms of XML, and OpenDocument text and pdf 69

1.2.3 relational database - postgresql, sqlite 70

Relational databases need some setting up - you must have permission to create the database and write to it when you run sisu. 71

Assuming you have the database installed and the requisite permissions 72

`sisu -sqlite -recreate` 73

`sisu -sqlite -v -import free_as_in_freedom.rms_and_free_software.sam_williams.sst` 74

`sisu -pgsql -recreate` 75

`sisu -pgsql -v -import free_as_in_freedom.rms_and_free_software.sam_williams.sst` 76

1.3 Getting Help 77

1.3.1 The man pages 78

Type: 79

`man sisu` 80

The man pages are also available online, though not always kept as up to date as within the package itself: 81

- `sisu.1` ² 82
- `sisu.8` ³ 83
- man directory ⁴ 84

1.3.2 Built in help 85

`sisu -help` 86

`sisu -help -env` 87

`sisu -help -commands` 88

`sisu -help -markup` 89

1.3.3 The home page 90

`<http://www.jus.uio.no/sisu>` 91

`<http://www.jus.uio.no/sisu/SiSU>` 92

1.4 Markup Samples 93

A number of markup samples (along with output) are available off: 94

² `<http://www.jus.uio.no/sisu/man/sisu.1>`

³ `<http://www.jus.uio.no/sisu/man/sisu.8>`

⁴ `<http://www.jus.uio.no/sisu/man>`

<<http://www.jus.uio.no/sisu/SiSU/2.html>>

95

Additional markup samples are packaged separately in the file:

96

*

97

On **Debian** they are available in non-free⁵ to include them it is necessary to include non-free in your `/etc/apt/source.list` or obtain them from the sisu home site.

98

⁵ the **Debian** Free Software guidelines require that everything distributed within **Debian** can be changed - and the documents are authors' works that while freely distributable are not freely changeable.

DOCUMENT INFORMATION (METADATA)

Metadata

Document Manifest @

<http://www.jus.uio.no/sisu/sisu_manual/sisu_quickstart/sisu_manifest.html>

Dublin Core (DC)

DC tags included with this document are provided here.

DC Title: SiSU - SiSU information Structuring Universe / Structured information, Serialized Units - Quickstart, installation and use

DC Creator: Ralph Amissah

DC Rights: Copyright (C) Ralph Amissah 2007, part of SiSU documentation, License GPL 3

DC Type: information

DC Date created: 2006-09-06

DC Date available: 2006-09-06

DC Date issued: 2006-09-06

DC Date modified: 2007-09-16

DC Date: 2007-09-16

Version Information

Sourcefile: sisu_quickstart.sst

Filetype: SiSU text 0.57

Sourcefile Digest, MD5(sisu_quickstart.sst)= 05a047fd659fbbcaa3cdb982b5911bcd

Skin Digest: MD5(/home/ralph/grotto/theatre/dbld/sisu-dev/sisu/data/doc/sisu/sisu_markup_samples/sisu_markup_samples.sst)= 20fc43cf3eb6590bc3399a1aef65c5a9

Generated

Document (metaverse) last generated: Sun Sep 23 04:11:02 +0100 2007

Generated by: SiSU 0.59.0 of 2007w38/0 (2007-09-23)

Ruby version: ruby 1.8.6 (2007-06-07 patchlevel 36) [i486-linux]

Information on this document copy and an unofficial List of Some web related information and sources

”Support Open Standards and Software Libre for the Information Technology Infrastructure”
RA

Information on this document copy www.jus.uio.no/sisu/

Generated by SiSU found at www.jus.uio.no/sisu/ [SiSU 0.59.0 2007w38/0] www.sisudoc.org. SiSU is software for document structuring, publishing and search (using SiSU: object citation numbering, markup, meta-markup, and system) Copyright © 1997, current 2007 Ralph Amissah, All Rights Reserved.

SiSU is released under GPL 3 or later (www.fsf.org/licenses/gpl.html).

W3 since October 3 1993  SiSU 1997, current 2007.

SiSU presentations at www.jus.uio.no/sisu/

SiSU - SiSU information Structuring Universe / Structured information, Serialized Units **pdf** versions can be found at:

http://www.jus.uio.no/sisu/sisu_quickstart/portrait.pdf

http://www.jus.uio.no/sisu/sisu_quickstart/landscape.pdf

SiSU - SiSU information Structuring Universe / Structured information, Serialized Units **html** versions may be found at:

http://www.jus.uio.no/sisu/sisu_quickstart/toc.html OR

http://www.jus.uio.no/sisu/sisu_quickstart/doc.html

SiSU Manifest of document output and metadata may be found at:

http://www.jus.uio.no/sisu/sisu_quickstart/sisu_manifest.html

SiSU found at: www.jus.uio.no/sisu/

Links that may be of interest at SiSU and elsewhere:

SiSU Manual

http://www.jus.uio.no/sisu/sisu_manual/

Book Samples and Markup Examples

<http://www.jus.uio.no/sisu/SiSU/2.html>

SiSU @ Wikipedia

<http://en.wikipedia.org/wiki/SiSU>

SiSU @ Freshmeat

<http://freshmeat.net/projects/sisu/>

SiSU @ Ruby Application Archive

<http://raa.ruby-lang.org/project/sisu/>

SiSU @ Debian

<http://packages.qa.debian.org/s/sisu.html>

SiSU Download

<http://www.jus.uio.no/sisu/SiSU/download.html>

SiSU Changelog

<http://www.jus.uio.no/sisu/SiSU/changelog.html>

SiSU help

http://www.jus.uio.no/sisu/sisu_manual/sisu_help/

SiSU help sources

http://www.jus.uio.no/sisu/sisu_manual/sisu_help_sources/

SiSU home:

www.jus.uio.no/sisu/