

Software Security Rapport

A (somewhat) complete reference

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Inhoudsopgave

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1 Complete org-mode reference

Using org-mode for editing plain text files is a great experience. The structured editing of the document is very powerful.



There does not seem to be a reference file out there with everything org-mode has to offer, so this is an attempt to make one.

Many of the below examples are taken from fniessen's refcard.

1.1 Typography

1.1.1 Bold and italic

```
1 /Emphasize/ (italics), *strongly* (bold), and */very strongly/* (bold italics).
```

Emphasize (italics), **strongly** (bold), and ***very strongly*** (bold italics).

1.1.2 Monospace, superscript and subscript

```
1 - monospaced typewriter font for ~inline code~
2 - monospaced typewriter font for =verbatim text=
3 - +deleted text+ (vs. _inserted text_)
4 - text with super{script}, such as 2{10}
5 - text with sub{script}, such as H{2}O
```

- monospaced typewriter font for `inline code`
- monospaced typewriter font for `verbatim text`
- ~~deleted text~~ (vs. inserted text)
- text with **super**^{script}, such as 2¹⁰
- text with sub_{script}, such as H₂O

1.2 Lists

1.2.1 Unordered lists

```
1 - one item
2 - two item
3   - sub item
4     - sub sub item
```

- one item
- two item
 - sub item
 - * sub sub item

1.2.2 Ordered lists

```
1 1. numbered
2 2. also
3 3. and another
4   1. sub item
5   2. sub item
```

1. numbered
2. also
3. and another
 - a) sub item
 - b) sub item

1.2.3 Checklists

```
1 - [X] Checked.
2 - [-] Half-checked.
3 - [ ] Not checked.
4 - Normal list item.
```

- [X] Checked.
- [-] Half-checked.
- [] Not checked.
- Normal list item.

1.2.4 Definition lists

```

1 - First term to define ::
2     Definition of the first term. We add a few words to show the line
3     wrapping,
4     to see what happens when you have long lines.
5 - Second term ::
6     Explication of the second term with *inline markup*.
7
8     In many paragraphs.

```

First term to define Definition of the first term. We add a few words to show the line wrapping, to see what happens when you have long lines.

Second term Explication of the second term with **inline markup**.

In many paragraphs.

1.3 Tables

1.3.1 Simple table with headers

1	Header 1 Header 2
2	-----+-----
3	Value not key

Header 1	Header 2
----------	----------

Value	not key
-------	---------

1.3.2 Naming your table

1	#+CAPTION: Description of the table
2	Header 1 Header 2
3	-----+-----
4	Value not key

Tabel 2: Description of the table

Header 1	Header 2
Value	not key

1.3.3 Column formatting

Columns are automatically aligned:

- Number-rich columns to the right, and
- String-rich columns to the left.

1. Table with aligned cells

If you want to override the automatic alignment, use `<r>`, `<c>` or `<l>`.

```

1  #+CAPTION: Table with aligned columns
2  |           <r> | <c> |           <l> |
3  |           1 | 2  |           3  |
4  |           Right | Center | Left |
5  | xxxxxxxxxxxx | xxxxxxxxxxxx | xxxxxxxxxxxx |

```

Tabel 3: Table with aligned columns

1	2	3
Right	Center	Left
xxxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx

1.4 Links

See <http://www.pirilampo.org> (automatic!) and the Org mode Web site.

1.5 Citations

How about some SURF (2018) ?

1.6 Blocks

1.6.1 Quote

Sometimes you just need to quote someone.

this is a quote from someone very wise

1.6.2 Code

```
1 #include <stdio.h>
2
3 int main() { (ref:sc)
4     // printf() displays the string inside quotation
5     printf("Hello, World!");
6     return 0;
7 }
```

in line (sc) there is some code.

1.6.3 Example

```
1 #include <stdio.h>
2
3 int main() {
4     // printf() displays the string inside quotation
5     printf("Hello, World!");
6     return 0;
7 }
```

1.6.4 ditaa



ditaa integration does not work yet.

If you want to run `ditaa` in Emacs you will need to add it to `org-babel` and set the path to the `ditaa.jar` you will have to install.

```
1 (org-babel-do-load-languages
2  'org-babel-load-languages
3  '((ditaa . t)))
4
```

```
5 (setq org-ditaa-jar-path "/usr/share/ditaa/ditaa.jar")
```

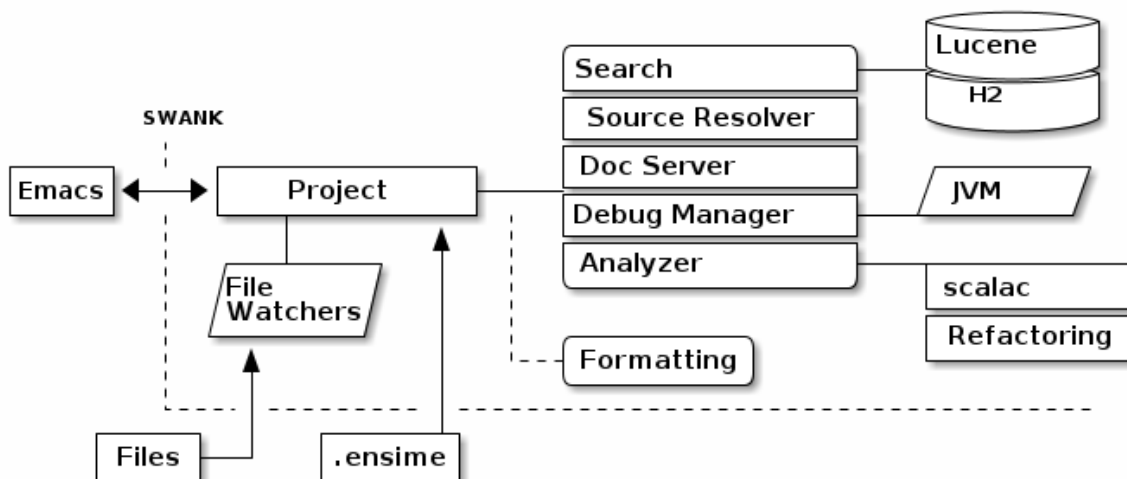
You can then use your best ascii art skills to draw diagrams.

```

1  #+BEGIN_SRC ditaa :file images/architecture.png :exports results
2                                     +-----+
3                                     /-----\ | Lucene{s} |
4                                     | Search      +---+-----+
5                                     +-----+ |   H2 {s}  |
6                               SWANK | Source Resolver | +-----+
7                                   |                   +-----+
8       +-----+ : +-----+ | Doc Server    | +-----+
9       | Emacs | <--> | Project  +---+-----+ | JVM{io}|
10      +-----+ | +-----+ | Debug Manager  +---+-----+
11              :         | ^           : +-----+
12              | +-----+ | |           | Analyzer      +---+-----+
13              | | File{io}| |           | \-----/ | scalac        |
14              | | Watchers| |           |             +-----+
15              | +-----+ | |           | /-----\ | Refactoring|
16              | ^         | |           | +---+Formatting| +-----+
17              | |         | |           | \-----/
18              +-----+ -=====+-----+
19          +-----+ | +-----+
20          | Files+---+ | .ensime|
21          +-----+ +-----+
22  #+END_SRC

```

Is converted to the following image.



1.7 Links

1.7.1 To external sources

```
1 See http://www.orgmode.org (automatic!) and the
2 http://orgmode.org/ [Org mode Web site].
```

See <http://www.orgmode.org> (automatic!) and the Org mode Web site.

1.7.2 To documents

```
1 \[./introduction.org\] [Inception!]
```

Inception!

1.7.3 Links to headings

In the chapter, References, below the heading is annotated with custom properties.

```
1 * References
2 :PROPERTIES:
3 :CUSTOM_ID: References
4 :END:
```

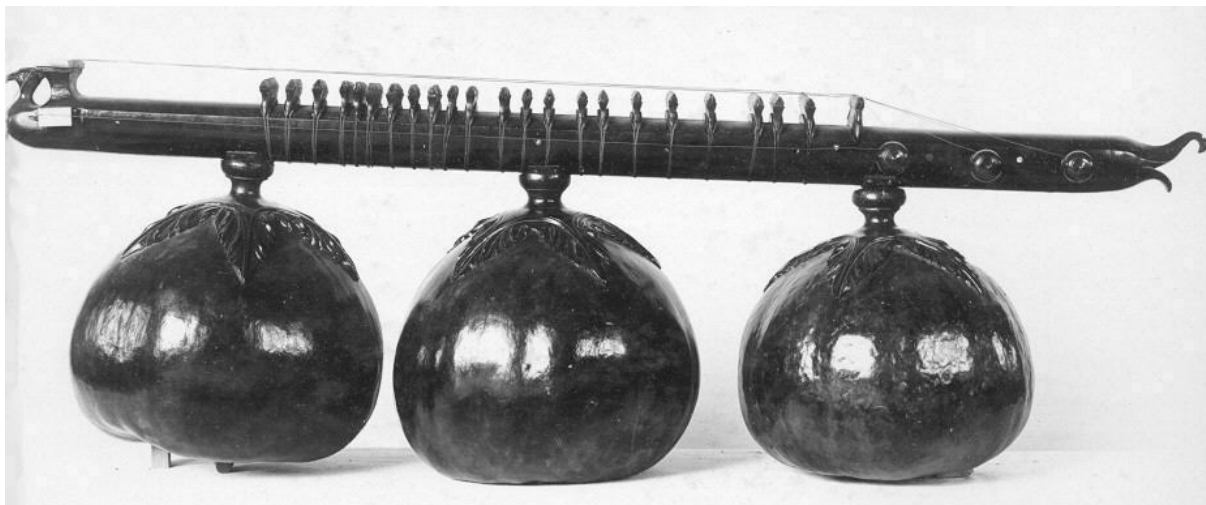
Then you can reference the heading using a link.

```
1 See chapter \[\[#References\]\] [References].
```

See chapter References.

1.7.4 Images

```
1 \[./images/test.jpg\]
```

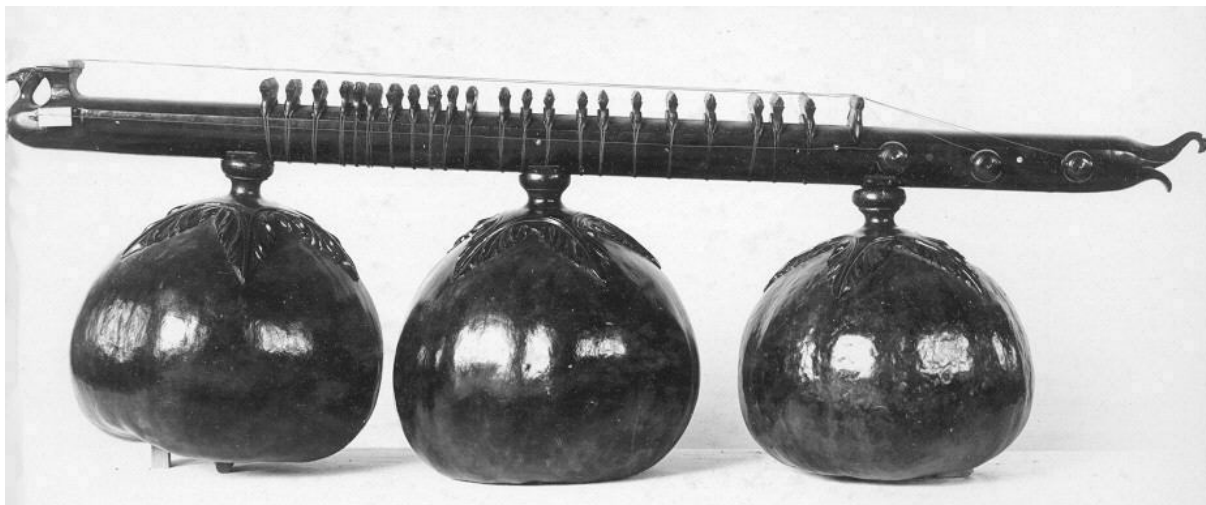


The current version of pandoc seems to have an issue with identifying the images when the extension is uppercase or pdf. It is tracked in issue 5454 on github (<https://github.com/jgm/pandoc/issues/5454>).

If you have issues loading images, please check that one.

1.7.5 Figures and tables

```
1 #+label: fig:naame
2 #+caption: caption
3 [[file:images/test.jpg]]
4
5 See figure [@fig:name].
```



Figuur 1: caption

See figure Figure 1 .



Due to the use of citeproc this does not work. Citeproc claims this reference for itself.
The solution seems to be to use `org-ref` instead of citeproc.

Source: <https://emacs.stackexchange.com/questions/32648/in-org-mode-how-do-i-reference-a-figure>

1.8 Admonitions

Admonitions (contextual backgrounds) are statements taken out of the content's flow and labeled with a title.

Common admonitions are:

1. `note`
2. `warning`
3. `tip`
4. `caution`
5. `important`

```
1  #+begin_note
2  This is a useful note.
3  #+end_note
4
5  #+begin_warning
```

```
6 Be careful! Check that you have...
7 #+end_warning
8
9 #+begin_tip
10 Try doing it this way...
11 #+end_tip
12
13 #+begin_caution
14 Caution
15 #+end_caution
16
17 #+begin_important
18 Important
19 #+end_important
```



This is a useful note.



Be careful! Check that you have...



Try doing it this way...



Caution



Important

1.8.1 Additional admontions

This can be achieved by using Awesomebox

```
1 \begin{noteblock}
2 Another way to create a box
3 \end{noteblock}
```



Another way to create a box

1.9 Formula

```
1 The formula \((a^2 + b^2 = c^2)\) has been discovered by Pythagoras.
2
3 Let \((a=\sin(x) + \cos(x))\). Then \((a^2 = 2\sin(x)\cos(x))\) because \((\sin^2x + \cos^2x = 1)\).
```

The formula $a^2 + b^2 = c^2$ has been discovered by Pythagoras.

Let $a = \sin(x) + \cos(x)$. Then $a^2 = 2 \sin(x) \cos(x)$ because $\sin^2 x + \cos^2 x = 1$.

```
1 The /Euler theorem/:
2
3 \[
4 \int_0^\infty e^{-x^2} dx = \frac{\sqrt{\pi}}{2}
5 \]
6
7 LaTeX allows to inline such ~\[...\]~ constructs (/quadratic formula/):
8 \[ \frac{-b \pm \sqrt{b^2 - 4 a c}}{2a} \]
```

The *Euler theorem*:

$$\int_0^\infty e^{-x^2} dx = \frac{\sqrt{\pi}}{2}$$

LaTeX allows to inline such $\left[\dots \right]$ constructs (*quadratic formula*):

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

2 References

If you want to include a list of references in your document, which you should if you are writing a serious paper, then use the following code to include it in this section.

```
1  #+ATTR_HTML: :id refs
2  #+BEGIN_bibliography
3  #+END_bibliography
```

The result will be:

SURF. (2018). *De APA-richtlijnen uitgelegd : een praktische handleiding voor bronvermelding in het hoger onderwijs*. Utrecht: SURF.

3 Appendix

some stuff afterwards.