Pandoc and org-mode

A (somewhat) complete reference

Arjen Wiersma

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Contents

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

```
/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

```
- monospaced typewriter font for ~inline code~
- monospaced typewriter font for =verbatim text=
- +deleted text+ (vs. _inserted text_)
- text with super^{script}, such as 2^{10}
- 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$^{\text{script}}$, such as 2^{10}
- text with sub$_{\text{script}}$, such as H_2O

1.2 Lists

1.2.1 Unordered lists

```
- one item
```

```
- two item
  - sub item
    - sub sub item
```

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

1.2.2 Ordered lists

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

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

1.2.3 Checklists

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

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

1.2.4 Definition lists

```
- 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.
```

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

```
| Header 1 | Header 2 |
|----------+----------|
| Value    | not key  |
```

Header 1	Header 2
Value	not key

1.3.2 Naming your table

```
#+CAPTION: Description of the table
| Header 1 | Header 2 |
|----------+----------|
| Value    | not key  |
```

Table 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>`.

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

Table 3: Table with aligned columns

1	2	3
Right	Center	Left
xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx

1.4 Links

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

1.5 Citations

How about some (*De apa-richtlijnen uitgelegd*, 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

```
#include <stdio.h>

int main() { (ref:sc)
  // printf() displays the string inside quotation
  printf("Hello, World!");
  return 0;
}
```

in line *(sc)* there is some code.

1.6.3 Example

```
#include <stdio.h>

int main() {
  // printf() displays the string inside quotation
  printf("Hello, World!");
  return 0;
}
```

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.

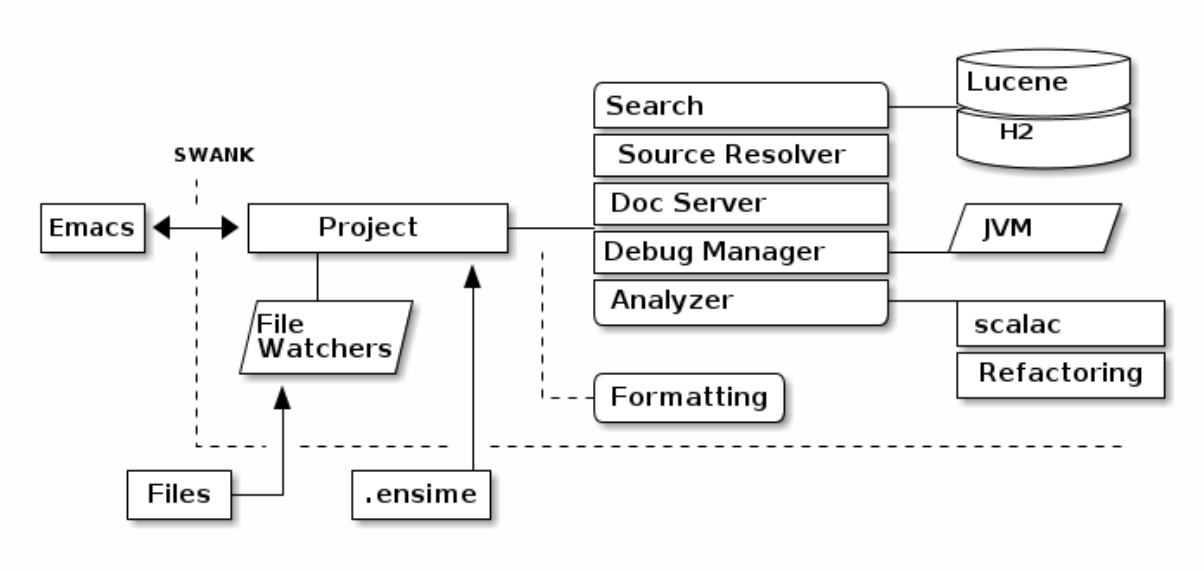
```
(org-babel-do-load-languages
 'org-babel-load-languages
 '((ditaa . t)))

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

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

```
#+BEGIN_SRC ditaa :file images/architecture.png :exports results
                                                  +---------+
                                /----------------\   |Lucene{s}|
                                |Search          +---+---------+
                                +----------------+   |  H2 {s} |
        SWANK                   |Source Resolver |   +---------+
         |                      +----------------+
 +-----+  :  +--------------+    |Doc Server      |   +--------+
 |Emacs|<--->|   Project    +----+----------------+   | JVM{io}|
 +-----+  |  +---+----------+ |  |Debug Manager   +---+--------+
          :      |        ^   :  +----------------+
          |  +---+----+   |   |  |Analyzer        +---+-----------+
          |  |File{io}|   |   |  \----------------/   |scalac     |
          |  |Watchers|   |   |                       +-----------+
          |  +--------+   |   |  /----------\         |Refactoring|
          |    ^          |   +--+Formatting|         +-----------+
          |    |          |      \----------/
          +----|-=--------|-=-----------------------------------
      +-----+  |   +------++
      |Files+--+   |.ensime|
      +-----+      +-------+
#+END_SRC
```

Is converted to the following image.



1.7 Links

1.7.1 To external sources

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

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

1.7.2 To documents

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

Inception!

1.7.3 Links to headings

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

```
* References
  :PROPERTIES:
  :CUSTOM_ID: References
  :END:
```

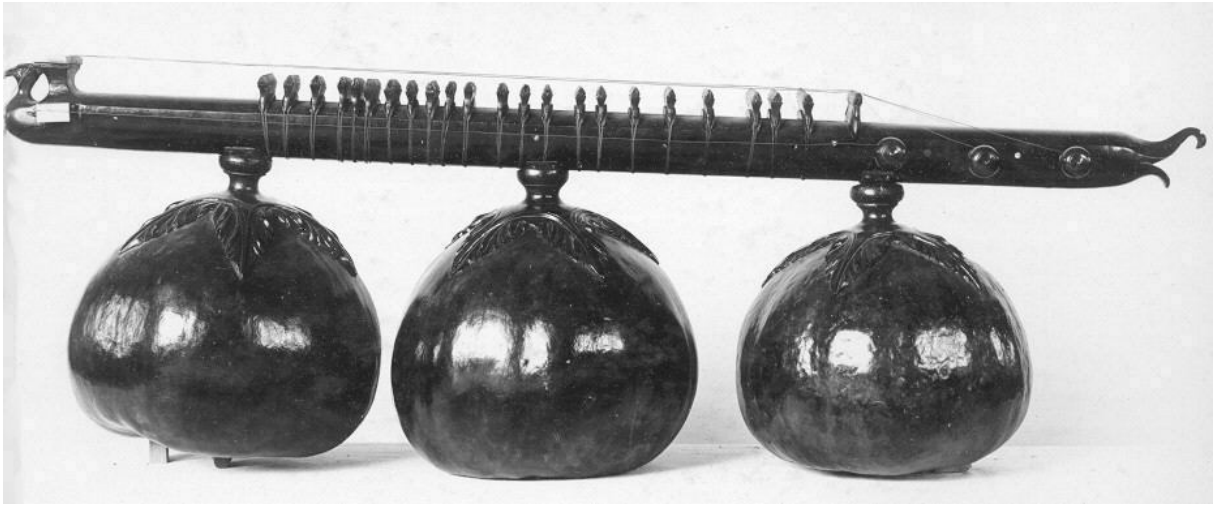
Then you can reference the heading using a link.

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

See chapter References.

1.7.4 Images

```
[[./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

```
#+label: fig:naame
#+caption: caption
[[file:images/test.jpg]]

See figure [@fig:name].
```

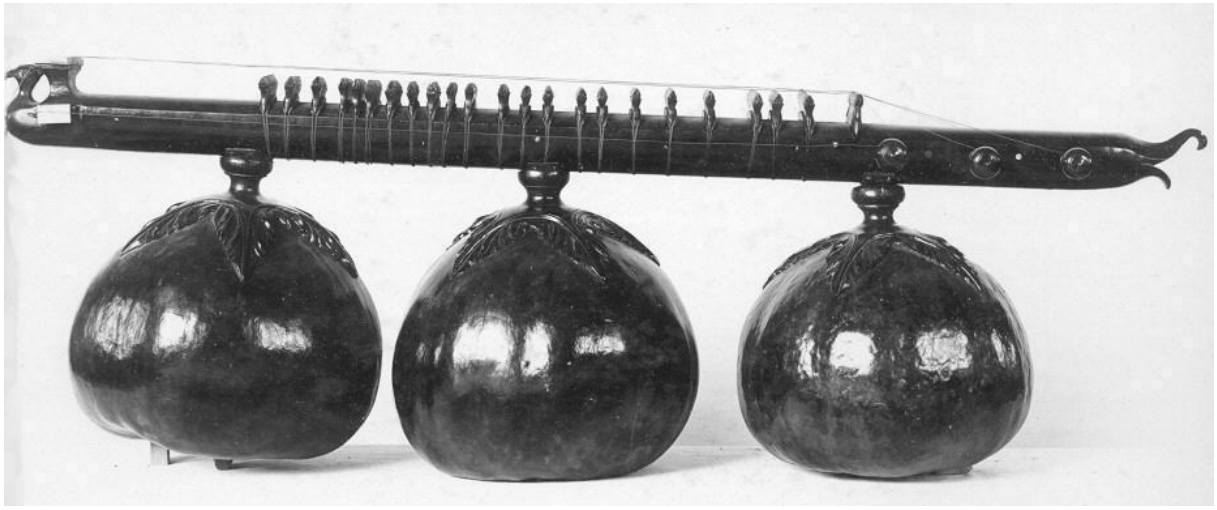


Figure 1: caption

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`

```
#+begin_note
This is a useful note.
#+end_note
```

```
#+begin_warning
Be careful!  Check that you have...
#+end_warning

#+begin_tip
Try doing it this way...
#+end_tip

#+begin_caution
Caution
#+end_caution

#+begin_important
Important
#+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

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

Another way to create a box

1.9 Formula

```
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 \(\sin^2x +
\cos^2x = 1\).
```

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 $\sin^2 x + \cos^2 x = 1$.

```
The /Euler theorem/:

\[
\int_0^\infty e^{-x^2} dx = {{\sqrt{\pi}} \over {2}}
\]

LaTeX allows to inline such ~\[...\]~ constructs (/quadratic formula/):
\[ \frac{-b \pm \sqrt{b^2 - 4 a c}}{2a} \]
```

The *Euler theorem*:

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

LaTeX allows to inline such `\[...\]` 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.

```
#+ATTR_HTML: :id refs
#+BEGIN_bibliography
#+END_bibliography
```

The result will be:

De apa-richtlijnen uitgelegd : Een praktische handleiding voor bronvermelding in het hoger onderwijs. (2018). Utrecht: SURF.

3 Appendix

some stuff afterwards.