The Org Manual

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1.2 Installation

Important: *If you are using a version of Org that is part of the Emacs distribution, GNU ELPA installed by the package manager or an XEmacs package, please skip this section and go directly to Section 1.3 [Activation], page 4. To see what version of Org (if any) is part of your Emacs distribution, type `M-x org-version` (if your Emacs distribution does not come with Org, this function will not be defined).*

Installation of Org mode uses a build system, which is described in more detail on Worg.

Sometimes you might face a problem due to an error in your Emacs or Org mode setup.

2 Document structure

Org is based on Outline mode and provides flexible commands to edit the structure of the document.

2.1 Outlines

Org is implemented on top of Outline mode. Outlines allow a document to be organized in a hierarchical structure, which (at least for me) is the best representation of notes and thoughts. An overview of this structure is achieved by folding (hiding) large parts of the document to show only the general document structure and the parts currently being worked

```
     #+STARTUP: showall
     #+STARTUP: showeverything
```

Furthermore, any entries with a `VISIBILITY' property (see Chapter 7 [Properties and

C-c C-x C-y `org-paste-subtree`

Yank subtree from kill ring. This does modify the level of the subtree to make sure the tree fits in nicely at the yank position. The yank level can also be specified with a numeric prefix argument, or by yanking after a headline marker like `****'.

C-y `org-yank`

Depending on the variables `org-yank-adjusted-subtrees` and `org-yank-folded-subtrees`, Org's internal `yank` command will paste subtrees folded and in a clever way, using the same command as *C-c C-x C-y*. With the default settings, no level adjustment will take place, but the yanked tree will be folded unless doing so would swallow text previously visible. Any prefix argument to this command will force a normal `yank` to be executed, with the

If the first line in the region was an item, turn only the item lines into headlines.

The other sparse tree commands select headings based on TODO keywords, tags, or

M-S-RET Insert a new item with a checkbox (see Section 5.6 [Checkboxes], page 52).

S-up
S-down Jump to the previous/next item in the current list[17]

`C-c ^` Sort the plain list. You will be prompted for the sorting method: numerically, column 0, no indentation allowed. If you need a paragraph break inside a footnote, use the $\LaTeX$ idiom `\par'. The footnote reference is simply the marker in square brackets, inside

<TAB> `org-table-next-field`
: Re-align the table, move to the next field. Creates a new row if necessary.

S-TAB `org-table-previous-field`
: Re-align, move to previous field.

RET `org-table-next-row`
: Re-align the table and move down to next row. Creates a new row if necessary. At the beginning or end of a line, RET still does NEWLINE, so it can be used to split a table.

M-a `org-table-beginning-of-field`
: Move to beginning of the current table field, or on to the previous field.

M-e `org-table-end-of-field`
: Move to end of the current table field, or on to the next field.

Column and row editing

M-LEFT `org-table-move-column-left`
M-RIGHT `org-table-move-column-right`

sorting type (alphabetically, numerically, or by time). When called with a prefix argument, alphabetic sorting will be case-sensitive.

Regions

C-c C-x M-w

M-x org-table-import

Import a file as a table. The table should be TAB or whitespace separated. Use, for example, to import a spreadsheet table or data from a database, because these programs generally can write TAB-separated text files. This command

```
(add-hook 'message-mode-hook 'turn-on-orgtbl)
```

Furthermore, with some special setup, it is possible to maintain tables in arbitrary syntax with Orgtbl mode. For example, it is possible to construct LATEX tables with the

`@0` and `$0` refer to the current row and column, respectively, i.e. to the row/column for the field being computed. Also, if you omit either the column or the row part of the reference, the current row/column is implied.

Org's references with *unsigned* numbers are fixed references in the sense that if you use the same reference in the formula for two ddedt 5amed fowill356(fo-27(ein356(reference)-dTJ 0 -13.151 d [(th

Named references

`$name' is interpreted as the name of a column, parameter or constant. Constants are defined globally through the variable org-table-formula-constants, and locally (for the

`F S`	fraction and symbolic modes
`N`	interpret all fields as numbers, use 0 for non-numbers
`E`	keep empty fields in ranges
`L`	literal

```
   (concat (substring $1 1 2) (substring $1 0 1) (substring $1 2))
```

Add columns 1 and 2, equivalent to Calc `s`

$2=

`/'  Do not export this line. Useful for lines that contain the narrowing `<N>' markers or column group markers.

Finally, just to whet your appetite for what can be done with the fantastic `calc.el' `type` Specify whether the plot will be `2d`, `3d`, or `grid`.

`with` Specify a `with`

4 Hyperlinks

Like HTML, Org provides links inside a file, external links to other files, Usenet articles, emails, and much more.

4.1 Link format

`vm-imap:account:folder`	VM IMAP folder link
`vm-imap:account:folder#id`	VM IMAP message link
`wl:folder`	WANDERLUST folder link
`wl:folder#id`	WANDERLUST message link
`mhe:folder`	MH-E folder link
`mhe:folder#id`	MH-E message link
`rmail:folder`	RMAIL folder link
`rmail:folder#id`	RMAIL message link
`gnus:group`	Gnus group link
`gnus:group#id`	Gnus article link
`bbdb:R.*Stallman`	BBDB link (with regexp)
`irc:/irc.com/#emacs/bob`	IRC link

If the headline has a `CUSTOM_ID` property, a link to this custom ID will be stored. In addition or alternatively (depending on the value of `org-link-to-org-use-id`), a globally unique `ID` property will be created and/or used to construct a link. So using this command in Org buffers will potentially create two links: a human-readable from the custom ID, and one that is globally unique and works even if the entry is moved from file to file. Later, when inserting the link, you need to decide which one to use.

Email/News clients: VM, Rmail, Wanderlust, MH-E, Gnus
Pretty much all Emacs mail clients are supported. The link will point to the

Inserting stored links
All links stored during the current session are part of the history for this prompt, so you can access them with UP and DOWN (or *M-p/n*).

Completion support
Completion with TAB will help you to insert valid link prefixes like `http:' or `ftp:', including the prefixes defined through link abbreviations (see Section 4.6 [Link abbreviations], page 40). If you press RET after inserting only the *prefix*,

mouse-3 Like *mouse-2*, but force file links to be opened with Emacs, and internal links to be displayed in another window[8].

C-c C-x C-v `org-toggle-inline-images`
Toggle the inline display of linked images. Normally this will only inline images that have no description part in the link, i.e. images that will also be inlined during export. When called with a prefix argument, also display images that do have a link description. You can ask for inline images to be displayed at startup by configuring the variable `org-startup-with-inline-images`[9].

C-c % `org-mark-ring-push`
Push the current position onto the mar8ngring, to be able to return easily. Commands following an internal link do this automatically.

C-c & `org-mark-ring-goto`
Jump back to a recorded position. A position is recorded by the commands following internal links, and by *C-c %*. Using this command several times in direct succession moves through a ring of previously recorded positions.

C-c C-x C-n `org-next-link`
C-c C-x C-p `org-previous-link`
Move forward/backward to the next link in the buffer. At the limit of the buffer, the search fails once, and then wraps around. The key bindings for this are really too long; you might want to bind this also to *C-n* and *C-p*

```
(add-hook  org-load-hook
  (lambda ()
    (define-key org-mode-map "\C-n"  org-next-link)
    (define-key org-mode-map "\C-p"  org-previous-link)))
```

4.5 Using links outside Org

You can insert and follow links that have Org syntax not only in Org, but in any Emacs

`My Target`
: Search for a link target '`<<My Target>>`', or do a text search for '`my target`', similar to the search in internal links, see Section 4.2 [Internal links], page 35. In HTML export (see Section 12.5 [HTML export], page 132), such a file link will become a HTML reference to the corresponding named anchor in the linked file.

`*My Target`
: In an Org file, restrict search to headlines.

`#my-custom-id`
: Link to a heading with a `CUSTOM_ID` property

`/regexp/`

5 TODO items

Org mode does not maintain TODO lists as separate documents[1]. Instead, TODO items are an integral part of the notes file, because TODO items usually come up while taking notes! With Org mode, simply mark any entry in a tree as being a TODO item. In this way, *C-c a t* `org-todo-list`

Show the global TODO list. Collects the TODO items (with not-DONE states) from all agenda files (see Chapter 10 [Agenda Views], page 94) into a single buffer. The new buffer will be in `agenda-mode`, which provides commands to examine and manipulate the TODO eg27(t.tris)-202(erom)-402(the)-301(Tew)-202(tu er)-202(t050s

```
(setq org-todo-keywords  ((type "Fred" "Sara" "Lucy" "|" "DONE")))
```

In this case, different keywords do not indicate a sequence, but rather different types.

5.2.4 Fast access to TODO states

If you would like to quickly change an entry to an arbitrary TODO state instead of cycling through the states, you can set up keys for single-letter access to the states. This is done by adding the selection character after each keyword, in parentheses

```
(setq org-todo-keyword-faces
      (("TODO" . org-warning) ("STARTED" . "yellow")
       ("CANCELED" . (:foreground "blue" :weight bold))))
```

While using a list with face properties as shown for CANCELED *should* work, this does not always seem to be the case. If necessary, define a special face and use that. A string is interpreted as a color. The variable `org-faces-easy-properties` determines if that color is interpreted as a foreground or a background color.

5.2.7 TODO dependencies

The structure of Org files (hierarchy and lists) makes it easy to define TODO dependencies.

5. The TODO may also have minimum and maximum ranges specified by using the syntax `.+2d/3d

5.5 Breaking tasks down into subtasks

It is often advisable to break down large tasks into smaller, manageable subtasks. You can do this by creating an outline tree below a TODO itemto elS]ith28(elSdetailedDO)-33

Here is an example of a checkbox list.

```
* TODO Organize party [2/4]
  - [-] call people [1/3]
    - [ ] Peter
    - [X] Sarah
    - [ ] Sam
  - [X] order food
  - [ ] think about what music to play
  - [X] talk to the neighbors
```

Checkboxes work hierarchically, so if a checkbox item has children that are checkboxes, If the cursor is in a headline, toggle checkboxes in the region between this

6 Tags

An excellent way to implement labels and contexts for cross-correlating information is to assign *tags* to headlines. Org mode has extensive support for tags.

7 Properties and columns

A property is a key-value pair associated with an entry. Properties can be set so they are associated with a single entry, with every entry in a tree, or with every entry in an Org

```
#+PROPERTY: NDisks_ALL 1 2 3 4
```

Modifying the table structure

C-c C-c or *C-c C-x C-u* `org-dblock-update`

`2012-w04-5`) `Same as above`

Furthermore you can specify a relative date by giving, as the *first* thing in the input: a

8.2.2 Custom time format

Org mode uses the standard ISO notation for dates and times as it is defined in ISO 8601. If you cannot get used to this and require another representation of date and time to keep you happy, you can get it by customizing the variables `org-display-custom-times` and `org-time-stamp-custom-formats`.

`C-c C-x C-t` `org-toggle-time-stamp-overlays`
: Toggle the display of custom formats for dates and times.

Org mode needs the default format for scanning, so the custom date/time format does not *replace* thed tt es tpu

The headline will be listed under the given date[7]. In addition, a reminder that the scheduled date has passed will be present in the compilation for *today*,

With the `+1m' cookie, the date shift will always be exactly one month. So if you have not paid the rent for three months, marking this entry DONE will still keep it as an overdue deadline. Depending on the task, this may not be the best way to handle it. For example, if you forgot to call your father for 3 weeks, it does not make sense to call him 3 times in a single day to make up for it. Finally, there are tasks like changing batteries which should always repeat a certain time *after* the last time you did h8(a)W3(did(mter)-328(tCestime)-363(ta84(,)-4Orgi multiple CLOCK lines will be wrapped into a :LOGBOOK: drawer (see also the variable org-clock-into-drawer). You can also overrule the setting of this variable for a subtree by setting a CLOCK_INTO_DRAWER or LOG_INTO_DRAWER

Section 10.3.3 [Matching tags and properties], page 99

Resolving idle time

Effort estimates can be used in secondary agenda filtering that is triggered with the / key in the agenda (see Section 10.5 [Agenda commands], page 104). If you have these estimates defined consistently, two or three key presses will narrow down the list to stuff that fits into an available time slot.

8.6 Taking notes with a relative timer

When taking notes during, for example, a meeting or a video viewing, it can be useful to

9 Capture - Refile - Archive

An important part of any organization system is the ability to quickly capture new ideas and tasks, and to associate reference material with them. Org does this using a process called *capture*. It also can store files related to a task (*attachments*) in a special directory. Once in the system, tasks and projects need to be moved around. Moving completed project trees to an archive file keeps the system compact and fast.

9.1 Capture

Org's method for capturing new items is heavily inspired by John Wiegley excellent remember package. Up to version 6.36 Org used a special setup for `remember.el'. `org-remember.el' is still part of Org mode for backward compatibility with existing setups. You can find the documentation for org-remember at http://orgmode.org/org-remember.pdf.

The new capturing setup described here is preferred and should be used by new users.

C-c C-w `org-capture-refile`

Finalize the capture process by refiling (see Section 9.5 [Refiling notes], page 91) the note to a different place. Please realize that this is a normal refiling command that will be executed | so the cursor position at the moment you run this command is important. If you have inserted a tree with a parent and children, first move the cursor back to the parent. Any prefix argument given to this command will be passed on to the `org-refile` command.

C-c C-k `org-capture-kill`

from emails, for example. You fill in the task definition, press

```
(file "path/to/file")
```

`:clock-resume`

If starting the capture interrupted a clock, restart that clock when finished with the capture. Note that `:clock-keep` has precedence over `:clock-resume`. When setting both to `t`, the current clock will run and the -ill rnot-333(r)-28(o)-36.1

You may specify a default value and a completion table with %^{prompt|default|completion2|completion3...}. The arrow keys access a prompt-specific history.

`%\n` Insert the text entered at the nth %^{*prompt*}, where `n` is a number, starting from 1.

`%?` After completing the template, position cursor here.

For specific link types, the following keywords will be defined[3]:

```
Link type                        |  Available keywords
---------------------------------+----------------------------------------------
bbdb                             |  %:name %:company
irc                              |  %:server %:port %:nick
```

directory which lives in the same directory where your Org file lives[5]. If you initialize this directory with

s `org-attach-set-directory`
Set a specific directory as the entry's attachment directory. This works by putting the directory path into the `ATTACH_DIR` property.

i `org-attach-set-inherit`
Set the `ATTACH_DIR_INHERIT` property, so that children will use the same directory for attachments as the parent does.

9.3 RSS feeds

Org can add and change entries based on information found in RSS feeds and Atom feeds. You could use this to make a task out of each new podcast in a podcast feed. Or you could use a phone-based note-creating service on the web to import tasks into Org. To access feeds, configure the variable `org-feed-alist`. The docstring of this variable has detailed information. Here is just an example:

```
(setq org-feed-alist
      (("Slashdot"
         "http://rss.slashdot.org/Slashdot/slashdot"
         "~/txt/org/feeds.org" "Slashdot Entries")))
```

will configure that new items from the feed provided by `rss.slashdot.org` will result in new entries in the file `~/org/feeds.org' under the heading `Slashdot Entries', whenever

9.5 Refiling notes

When reviewing the captured data, you may want to refile some of the entries into a different list, for example into a project. Cutting, finding the right location, and then pasting the note is cumbersome. To simplify this process, you can use the following special command:

C-c C-w `org-refile`

Refile the entry list,(not)-refile

C-u C-c C-x C-s

oht134 Td [()]Tmo trees are excludmo from column view unless the variableoht13org-columns-skip-

C-'
C-, `org-cycle-agenda-files`

Remote editing from the agenda buffer means, for example, that you can change the dates of deadlines and appointments from the agenda buffer. The commands available in the Agenda buffer are listed in Section 10.5 [Agenda commands], page 104.

Calendar/Diary integration

Remote editing of TODO items means that you can change the state of a TODO entry with a single key press. The commands available in the TODO list are described in

'

`work|laptop'

Selects lines tagged `:work:' or `:laptop:'work|laptop 1`' ortagged18(e`)]T3d `

For example, the search string `

f `org-agenda-later`

Go forward in time to display the following `org-agenda-current-span` days. For example, if the display covers a week, switch to the following week. With prefix arg, go forward that many times `org-agenda-current-span` days.

C-c C-x C-a

k `org-agenda-action`

Agenda actions, to set dates for selected items to the cursor date. This command also works in the calendar! The command prompts for an additional

HTML[15]

Emphasis and monospace

You can make words *bold*, */italic/*, _underlined_, =code= and ~verbatim~, and, if you must, `+strike-through+'. Text in the code and verbatim string is not processed for Org

```
#+BEGIN_EXAMPLE
```

HTML export also allows examples to be published as text areas (see Section 12.5.8 [Text areas in HTML export], page 135).

Because the `#+BEGIN_...` and `#+END_...` patterns need to be added so often, shortcuts are provided using the Easy Templates facility (see

11.5 Index entries

You can specify entries that will be used for generating an index during publishing. This is done by lines starting with #+INDEX. An entry the contains an exclamation mark will create a sub item. See Section 13.1.8 [Generating an index], page 164 for more information.

```
* Curriculum Vitae
#+INDEX: CV
#+INDEX: Application!CV
```

11.6 Macro replacement

You can define text snippets with

```
#+MACRO: name   replacement text $1, $2 are arguments
```

`--', `---', and `...' are all converted into special commands creating hyphens of different lengths or a compact set of dots.

11.7.5 Using CDLaTeX to enter math

CDLaTeX mode is a minor mode that is normally used in combination with a major LaTeX mode like AUCTeX in order to speed-up insertion of environments and math templates. Inside Org mode, you can make use of some of the features of CDLaTeX mode. You need to install `cdlatex.el' and `

12 Exporting

```
#+DATE:         a date, an Org timestamp[1], or a format string for format-
time-string
#+EMAIL:        his/her email address (default from user-mail-address)
```

d: turn on/off inclusion of drawers, or list drawers to include inherits an `EXPORT_FILE_NAME` property, that name will be used for the export.

C-c C-e A `org-export-as-ascii-to-buffer`
Export to a temporary buffer. Do not create a file.

C-c C-e n `org-export-as-latin1`
C-c C-e N `org-export-as-latin1-to-buffer`

C-c C-e H `org-export-as-html-to-buffer`
: Export to a temporary buffer. Do not create a file.

C-c C-e R `org-export-region-as-html`
: Export the active region to a temporary buffer. With a prefix argument, do not produce the file header and footer, but just the plain HTML section for the region. This is good for cut-and-paste operations.

C-c C-e v h/b/H/R
: Export only the visible part of the document.

M-x org-export-region-as-html
: Convert the region to HTML under the assumption that it was in Org mode

```
#+BEGIN_HTML
All lines between these markers are exported literally
#+END_HTML
```

12.5.4 Links in HTML export

Internal links (see Section 4.2 [Internal links], page 35) will continue to work in HTML. This includes automatic links created by radio targets (see Section 4.2.1 [Radio targets], page 36). Links to external files will still work if the target file is on the same *relative* path

macro. The options to documentclass have to be provided, as expected by LaTeX, within square brackets. You can also use #+LaTeX_HEADER: \usepackage{xyz} to add lines to the header. See the docstring of org-export-latex-classes for more information. An example is shown below.

```
#+LaTeX_CLASS: article
#+LaTeX_CLASS_OPTIONS: [a4paper]
#+LaTeX_HEADER: \usepackage{xyz}

* Headline 1
  some text
```

12.6.3 Quoting LaTe

caption and/or a label as described in Section 11.2 [Images and tables], page 122

```
>
%xhtml1-symbol;
]>
"
```

12.8 OpenDocument Text export

Org Mode[19] supports export to OpenDocument Text (ODT) format using the `org-odt.el' module. Documents created by this exporter use the *OpenDocument-v1.2 specification*[20] and are compatible with LibreOffice 3.4.

12.8.1 Pre-requisites for ODT export

The ODT exporter relies on the `zip' program to create the final output. Check the availability of this program before proceeding further.

12.8.2 ODT export commands

Exporting to ODT

C-c C-e o `org-export-as-odt`

Export as OpenDocument Text file.

If

`LibreOffice' and `unoconv' converters. See

```
#+ATTR_ODT: :width 10
[[./img.png]]
```

Scale the image to a specific height

To embed `img.png

M-x org-export-as-odf-and-open

`OrgOdtContentTemplate.xml'

This file contributes to the `content.xml' file of the final `ODT' document. The contents of the Org outline are inserted between the `<office:text>'. . . `</office:text>' elements of this file.

Apart from serving as a template file for the final `content.xml', the file serves the following purposes:

1. It contains automatic styles for formatting of tables which are referenced by the exporter.
2. It contains `<text:sequence'-decl>

```
  (use-first-column-styles . t)))
("TableWithFirstRowandLastRow" "Custom"
 ((use-first-row-styles . t)
  (use-last-row-styles . t))))))
```

```
#+ATTR_ODT: :style "TableWithHeaderRowAndColumn"
| Name  | Phone | Age |
| Peter |  1234 |  17 |
```

12.9.4 Export of properties

using customize along with a number of other options. For a more complete list, see *M-x customize-group RET org-export-taskjuggler RET*.

For more information and examples see the Org-taskjuggler tutorial at http://orgmode.org/worg/org-tutorials/org-taskjuggler.html.

12.10 Freemind export

The Freemind exporter was written by Lennart Borgman.

C-c C-e m `org-export-as-freemind`

Export as a Freemind mind map. For an Org file `

13.1.5 Options for the HTML/LaTeX exporters

The property list can be used to set many export options for the HTML and LaTeX exporters.

:xml-declaration	org-export-html-xml-declaration
:html-table-tag	org-export-html-table-tag
:expand-quoted-html	org-export-html-expand
:timestamp	org-export-html-with-timestamp
:publishing-directory	org-export-publishing-directory
:select-tags	org-export-select-tags
:exclude-tags	org-export-exclude-tags
:latex-image-options	org-export-latex-image-default-option

`:sitemap-title`
Title of sitemap page. Defaults to name of file.

`:sitemap-function`
Plug-in function to use for generation of the sitemap. Defaults to `org-publish-org-sitemap`, which generates a plain list of links to all files in the project.

`:sitemap-sort-folders`
Where folders should appear in the sitemap. Set this to `first` (default) or `last` to display folders first or last, respectively. Any other value will mix files and folders.

`:sitemap-sort-files`
How the files are sorted in the site map. Set this to `alphabetically` (default), `chronologically` or `anti-chronologically`. `chronologically` sorts the files with older date first while `anti-chronologically` sorts the files with newer date first. `alphabetically` sorts the files alphabetically. The date of a file is retrieved with `org-publish-find-date`.

13.2 Uploading files

For those people already utilizing third party sync tools such as `rsync` or `unison`, it might be preferable not to use the built in *remote* publishing facilities of Org mode which rely

14 Working with source code

Source code can be included in Org mode documents using a `

`<switches>`
: Optional switches control code block export (see the discussion of switches in Section 11.3 [Literal examples], page 122)

`<header arguments>`

```
     src_haskell[:exports both]{fac 5}
```

Code block header arguments can span multiple lines using #+HEADER: or #+HEADERS: lines preceding a code block or nested between the #+NAME: line and the #+BEGIN_SRC

```
#+BEGIN_SRC emacs-lisp :var length=table-length()
```

Alternate argument syntax

It is also possible to specify arguments in a potentially more natural way using the #+NAME:

```
| 4 | d |
```

Additionally, an empty index, or the single character `*`, are both interpreted to mean the entire range and as such are equivalent to `0:-1`, as shown in the following example in which the entire first column is referenced.

```
#+NAME: example-table
| 1 | a |
| 2 | b |
| 3 | c |
| 4 | d |

#+BEGIN_SRC emacs-lisp :var data=example-table[,0]
  data
#+END_SRC

#+RESULTS:
| 1 | 2 | 3 | 4 |
```

`file` The results will be interpreted as the path to a file, and will be inserted into the Org mode buffer as a file link. E.g., `:results value file`.

`raw`, `org` The results are interpreted as raw Org mode code and are inserted directly into the buffer. If the results look like a table they will be aligned as such by Org mode. E.g., `:results value raw`.

`html` Results are assumed to be HTML and will be enclosed in a `BEGIN_HTML`

:dir should typically not be used to create files during export with :exports results or :exports both

`both` Turns on both the \link" and \org" comment options.

```
#+NAME: echo-table-once-again
#+BEGIN_SRC python :var tab=with-rownames :rownames yes
  return [[val + 10 for val in row] for row in tab]
#+END_SRC

#+RESULTS: echo-table-once-again
| one | 11 | 12 | 13 | 14 | 15 |
```

possibilities. For a full listing of the possible results header arguments see Section 14.8.2.2 [results], page 180.

	Non-session	Session
`:results value`	value of last expression	value of last expression
`:results output`	contents of STDOUT	concatenation of interpreter output

Note: With `:results value`, the result in both `:session` and non-session is returned to Org mode as a table (a one- or two-dimensional vector of strings or numbers) when appropriate.

14.9.1 Non-session

14.9.1.1

```
#+BEGIN_SRC python :results output
 print "hello"
 2
 print "bye"
#+END_SRC

#+RESULTS:
: hello
: bye
```

In non-session mode, the `2' is not printed and does not appear.

```
#+BEGIN_SRC python :results output :session
 print "hello"
 2
 print "bye"
#+END_SRC

#+RESULTS:
: hello
: 2
: bye
```

But in :session mode, the interactive interpreter receives input `2' and prints out its value, `2'. (Indeed, the other print statements are unnecessary here).

14.11 Key bindings and useful functions

Many common Org mode key sequences are re-bound depending on the context.

Within a code block, the following key bindings are active:

C-c C-c	`org-babel-execute-src-block`
C-c C-o	`org-babel-open-src-block-result`
C-UP *M-DOWN*	`org-babel-load-in-session`

```
ORGINSTALL="~/src/org/lisp/org-install.el"

ORGINSTAin
```

15 Miscellaneous

15.1 Completion

Make sure you know what you are doing before customizing the variables which take off the default security brakes.

`org-confirm-babel-evaluate` [User Option]

When `t` (the default), the user is asked before every code block evaluation.

```
org-odd-levels-only
```

```
* Top level headline             |    * Top level headline
** Second level                  |      * Second level
*** 3rd level                    |        * 3rd level
some text                        |          some text
*** 3rd level                    |        * 3rd level
more text                        |          more text
* Another top level headline     |    * Another top level headline
```

`table.el' by Takaaki Ota

Complex ASCII tables with automatic line wrapping, column- and row-spanning, and alignment can be created using the Emacs table package by Takaaki Ota (http://sourceforge.net/projects/table, and also part of Emacs 22). Org mode will recognize these tables and export them properly.

```
(require  org-crypt)
(org-crypt-use-before-save-magic)
(setq org-tags-exclude-from-inheritance (quote ("crypt")))

(setq org-crypt-key nil)
  ;; GPG key to use for encryption
  ;; Either the Key ID or set to nil to use symmetric encryption.

(setq auto-save-default nil)
  ;; Auto-saving does not cooperate with org-crypt.el: so you need
  ;; to turn it off if you plan to use org-crypt.el quite often.
  ;; Otherwise, you ll get an (annoying) message each time you
  ;; start Org.
```

Appendix A Hacking

This appendix covers some aspects where users can extend the functionality of Org.

A.1 Hooks

Org has a large number of hook variables that can be used to add functionality. This appendix about hacking is going to illustrate the use of some of them.

```
          (description (format "Manpage for %s" page)))
     (org-store-link-props
```

```
\begin{comment}
#+ORGTBL: SEND salesfigures orgtbl-to-latex
| | |
\end{comment}
```

The `#+ORGTBL: SEND` line tells Orgtbl mode to use the function `orgtbl-to-latex` to convert the table into LaTeX and to put it into the receiver location with name `salesfigures`

```
#+ORGTBL: SEND test orgtbl-to-latex :lend " \\\\[2mm]"
```

For a new language, you can either write your own converter function in analogy with the LaTeX translator, or you can use the generic function directly. For example, if you have a language where a table is started with `!BTBL!', ended with `!ETBL!', and where table lines are started with `!BL!', ended with `!EL!', and where the field separator is a TAB, you could call the generic translator like this (on a single line!):

```
#+ORGTBL: SEND test orgtbl-to-generic :tstart "!BTBL!" :tend "!ETBL!"
                              :lstart "!BL! " :lend " !EL!" :sep "\t"
```

Please check the documentation string of the function orgtbl-to-generic for a full list of parameters understood by that function, and remember that you can pass each of them into orgtbl-to-latex, orgtbl-to-texinfo, and any other function using the generic function.

Of course you can also write a completely new function doing complicated things the generic translator cannot do. A translator function takes two arguments. The first argument is the table, a list tatiolete each either the symbol he or a list tatiolet fields. The second argument is the property list containing all parameters specified in the `#+ORGTBL: SEND' e The function must return a single string containing the formatted table. If you write a generally useful translator, please post it on emacs-orgmode@gnh(m)12.075 ning

A.6 Dynamic blocks

Org documents can contain *dynamic blocks*. These are specially marked regions that are updated by some user-written function. A good example for such a block is the clock table inserted by the command `C-c C-x C-r` (see Section 8.4 [Clocking work time], page 75).

`(org-agenda-skip-entry-if 'todo 'done)`
Skip current entry if the TODO keyword marks a DONE state.

`(org-agenda-skip-entry-if 'timestamp)`
Skip current entry if it has any timestamp, may also be deadline or scheduled.

`(org-agenda-skip-entry-if 'regexp "regular expression")`
Skip current entry if the regular expression matches in the entry.

`(org-agenda-skip-entry-if 'notregexp "regular expression")`
Skip current entry unless the regular expression matches.

`(org-agenda-skip-subtree-if 'regexp "regular expression")`

`function or Lisp form`

will be used as value for

Appendix B MobileOrg

MobileOrg is the name of the mobile companion app for Org mode, currently available for iOS and for Android. *MobileOrg* offers offline viewing and capture support for an Org mode system rooted on a \real" computer. It does also allow you to record changes to existing entries. The iOS implementation for the *iPhone/iPod Touch/iPad* series of devices, was developed by Richard Moreland. Android users should check out MobileOrg Android by Matt Jones. The two implementations are not identical but offer similar features.

This appendix describes the support Org has for creating agenda views in a format that can be displayed by *MobileOrg*, and for integrating notes captured and changes made by *MobileOrg* into the main system.

For changing tags and TODO states in MobileOrg, you should have set up the customization variables `org-todo-keywords` and `org-tags-alist` to cover all important tags and TODO keywords, even if individual files use only part of these. MobileOrg will also

OK, now to the full list of contributions! Again, please let me know what I am missing here!

Russel Adams came up with the idea for drawers.

Thomas Baumann wrote `org-bbdb.el' and `org-mhe.el'.

Christophe Bataillon

Concept index

:::::::::::::::::::::::::::.344 cmQ0.28 1 1 0.35 kQ8.9664 -283.205 -470.344 cmBTQF2 8.9664 Tf 8.9664 -270.344 Td [(147)]TJETQ1 0 8.9664 Tf 21391.487 cr

Key index

Key index

Command and function index

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