

org-trello Manual

Sync Emacs org-mode with Trello.com.

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This manual describes how to install and use the Emacs package org-trello, version 0.8.1, released 2018-03-18, written and copyright ©2013-2017 by Antoine Dumont, to synchronize org-mode TO-DO lists with Trello.com (<https://trello.com>).

This manual was written with reference to the org-trello source-code, which begins with this license and non-warranty statement:

```
;;; org-trello.el
;; Minor mode to synchronize org-mode buffer and trello board

;; Copyright (C) 2013-2017 by Antoine R. Dumont (@ardumont)
;; Author: Antoine R. Dumont <antoine.romain.dumont@gmail.com>
;; Maintainer: Antoine R. Dumont

;; Version: 0.8.1
;; URL: https://github.com/org-trello/org-trello

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```

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1 TODO About org-trello

Why use org-trello?

- You use Emacs org-mode (<https://orgmode.org>).
- Your team uses Trello.com (<https://trello.com/>).
- org-trello is the bridge between org-mode and Trello.com.
- Everyone wins!

2 TODO Demo Videos

Please see the HTML version of this manual for links to the demonstration videos. They are not included in the info and PDF-format manuals.

3 TODO Installing org-trello

This section describes how to obtain and install the org-trello package and manual.

3.1 TODO Installing org-trello using Package (recommended)

3.1.1 TODO Using MELPA with Package

This section describes how to use “package” to download and install packages including org-trello. If you already use “package” to access “melpa” or “melpa-stable”, you don’t need to install “package” again.

3.1.2 TODO Installing from MELPA with Package

This section describes how to download and install org-trello once you have installed Package and configured it to access MELPA.

3.2 TODO Alternate Ways to Install

3.2.1 TODO Download and Install the Tarball

3.2.2 TODO Get and Install with el-get

3.2.3 TODO Clone from GitHub and Install with Cask

3.3 TODO Loading org-trello in Emacs

Once org-trello is installed, it must be loading during initialization of Emacs. Add this in your emacs configuration file “~/.emacs” or “~/.emacs.d/init.el” to load org-trello when Emacs starts:

```
(require 'org-trello)
```

3.4 Using the org-trello manual

This section describes how to build and install the TexInfo-format “org-trello Manual”. TexInfo is the standard documentation format of the GNU-project and is used by Emacs and org-mode. (org-trello is NOT part of GNU emacs.) This manual is presented in three formats:

- INFO hyper-linked text format, to read from within Emacs (or with “info” at the command-line).
- HTML format, to read with a web-browser.
- PDF format, to read or print nicely-formatted on paper.

This org-trello manual may be installed in a folder on your INFOPATH and listed in the INFO directory of manuals. You may access the INFO manual directory of manuals from within Emacs by typing “C-h i d” or from the command-line using the command “info”.

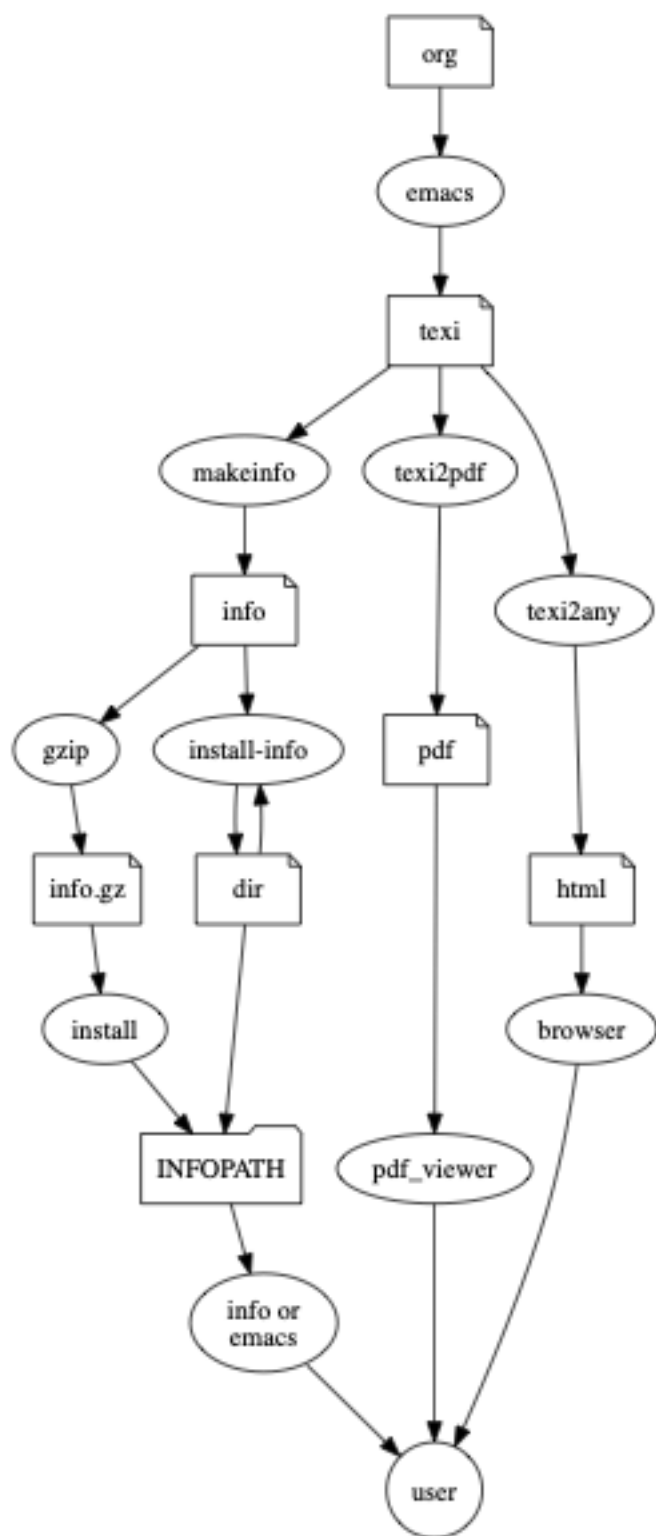


Figure: Building the Manual with Texinfo

3.4.1 Building the Manual

It should not be necessary to rebuild the org-trello manual. The manual is distributed with all three formats already built and ready to read. If the org-trello.info, .HTML and .PDF files already exist, you don't need to read this section.

This manual was written with Emacs and org-mode as “org-trello.org”, then exported to Texinfo format as “org-trello.texi” using the Texinfo exporter included with org-mode. Then, the .texi file should be converted to .info, .HTML, or .PDF using the commands included with the Texinfo package.

The “Makefile” includes the commands to make all three formats when you invoke it with “make all”. You may also request “make info”, “make view” (to view the new info manual), “make html” and “make pdf”. For any of these commands, you must install Texinfo and provide the location of the Texinfo commands at the top of the “Makefile”.

If you lack Texinfo, you may instead export org-trello.org directly to .info, .HTML or .PDF using Emacs. Without Texinfo, the resulting HTML or PDF document will have slight differences and will not have an index. Texinfo creates a more attractive manual and conforms to GNU style.

3.4.2 Installing the .info Manual

To install the org-trello.info manual so that it may be used by Emacs' internal info reader or the command-line “info” command, you must:

1. optionally, use gzip to compress the .info file to .info.gz
2. copy or “install” the .info.gz (or .info) file into a folder listed in INFOPATH
3. use “install-info” to insert the new .info.gz file into info's “dir” file in that folder.

This process is described in the Section “Creating an Info File” in **texinfo**.

If you edit the top of the “Makefile” to provide the location of the folder in your INFOPATH where the .info should be installed, the “Makefile” will execute the gzip, install and install-info commands when you type “make install”.

Once installed, you may invoke command-line “info” reader or Emacs internal info reader to view the listing of info manuals. The info reader assembles the directory from all the “dir” files in the INFOPATH and may appear different in each reader. Locate “org-trello” in this list or use “m org-trello” to jump to it.

3.5 CHEK Migrating to New Releases

If you have previously installed and used a previous release of org-trello, this section describes how to migrate your existing org-trello installation to a new release.

3.5.1 0.8.1

The org-trello key properties used in the buffer were clashing with higher org-mode functionality (lookup, cf. <https://github.com/org-trello/org-trello/issues/366>).

Those properties were renamed with clash free names (‘-’ separator symbol was replaced with ‘_’).

To help the migration, a routine has been integrated. This should not be needed by the user though (the migration is integrated to the actions). Still, if the user wants it, (s)he can do it through M-x org-trello-migrate-buffer.

3.5.2 0.7.0

As of now, org-trello respects elisp conventions regarding the setup file location. So the default `~.trello//` will be moved silently to `~.emacs.d/.trello//`

Also, now users can use multiple trello accounts. So, provided you have multiple accounts, some commands will ask you when they need you to choose an account. Also, a silent migration will occur to existing buffers. For example, if you have a buffer setup-ed with a user *tony*, your existing configuration file `~.trello/config.el/` will be moved to `~.emacs.d/.trello/tony.el/`

Again, org-trello tries to respect elisp conventions regarding command names. So the command names have been renamed from *org-trello/* to *org-trello-*. Still, the old command names are available.

3.5.3 0.6.7

The comments are now displayed inline in the card. So the binding to show the comments have been removed. To see comments, simply unfold the card.

3.5.4 0.6.6

We can now remove a comment at point (if we are the owner of the comment). Use `M-x org-trello-delete-card-comment`

3.5.5 0.5.5

Default bindings have been updated.

Bindings	Action
----------	--------

<code>C-c o C</code>	Add comments to the cards at point. To show the cards comments, use <code>C-u M-x org-trello-add-</code>
<code>C-c o o</code>	Removed. To show the cards comments, use <code>C-u C-c o C</code>

Of course, as usual, if you are not happy with this, simply update your configuration file (`bindings.html#bindings-override`).

3.5.6 0.5.3

Lots of work has been done to make org-trello:

- more responsive (almost no more blocking actions).
- faster (trello queries have been improved to let the trello servers do the computations)

Default interactive commands (<http://org-trello.github.io/bindings.html#keybindings>) names have been renamed to be explicit and aligned between them.

3.5.7 0.5.2

Decision has been taken to remove the intermediary proxy used to bounce requests to trello. This was introduced to permit asynchronous requests. This was only partially applied. So too many lines of code to maintain for small benefits.

This version is synchronous as it was in the beginning (The base code is not the same though).

This is a temporary setback. We need time to craft a better implementation for asynchronous requests (deferred, async libraries seems interesting enough).

3.5.8 0.3.8

org-trello now tries to enforce symmetry, mainly regarding the sync actions. So by default, an action pushes to trello. Using C-u, the symmetric action pulls from trello.

Bindings	Action
C-c o c	sync the entity TO trello without its structure
C-u C-c o c	sync the entity FROM trello without its structure
C-c o C	sync the entity and its structure TO trello
C-u C-c o C	sync the entity and its structure FROM trello
C-c o s	sync the buffer TO trello
C-u C-c o s	sync the buffer FROM trello
C-c o a	assign yourself to the card
C-u C-c o a	unassign yourself from the card

3.5.9 0.3.1

The old checklist/item format has been removed - <https://github.com/org-trello/org-trello/issues/105>. Now the org checkbox way is the standard one.

3.5.10 0.2.9

For information, from 0.2.9 onward, the property “orgtrello-id” from the checkbox (checklists, items) will be hidden.

Note

- Upon activating org-trello minor mode, all existing checkbox will be migrated and should disappear before your eyes.
- Symmetrically, when deactivating org-trello, all checkbox will appear.
- For this, org-trello use overlays (https://www.gnu.org/software/emacs/manual/html_node/elisp/Overlays.html) (implementation detail which permits to hide buffer region).

If you began to use org-trello, nothing to do.

3.5.11 0.2.8

From 0.2.8 onward, the card description can be synchronized too. Just synchronize as usual.

3.5.12 0.2.1 -> 0.2.2

From the 0.2.2 version onward, we can assign people to card. As a pre-requisite, we need to re-install the board (C-c o I), so that new properties will be installed (users currently assigned to the board we attach to).

This way, you will be able to use the assign (C-c o a) / unassign (C-c o u) yourself to the card.

3.5.13 0.1.5 -> 0.1.6

Org-trello now uses more natural ways of dealing with checklists using checkboxes!

cf. natural org format (from 0.1.6 onwards) ([migration.html#natural-org-format-from-016-onwards](#)) for more details.

3.5.14 0.1.1 -> 0.1.2

- From version 0.1.1, some http requests will be asynchronous. For this, we use elnode as a proxy server to make requests to trello. The elnode server is started on the port 9876. You can always change this port

```
(setq *ORGTRELLO-PROXY-PORT* 9876)
```

Then M-x orgtrello-proxy/reload

4 TODO Connecting to Trello.com

4.1 Installing Your Trello.com Credentials

4.2 Connect an org-mode buffer with an existing Trello board.

4.3 Create a Trello board from your org-mode buffer.

5 Using org-trello

This section describes how to use org-trello.

5.1 TODO Quick Start

5.2 Command Descriptions

This section describes all commands and their key bindings.

5.2.1 WORK Summary of Commands

All default org-trello key-bindings use the “C-c o” prefix.

Note: You may type “C-c o C-h” to display help for most org-trello key bindings.

Keys	Command
C-c o C-h	Display help on all key-bindings with C-c o prefix.
C-c o v	Display the version of org-trello.
C-c o i	Install the Trello.com access key and token.
C-c o I	Choose an existing Trello board and attach this buffer.
C-c o b	Create a new Trello board and attach this buffer
C-c o u	Update this file’s attachment to its Trello board.
C-c o d	Diagnose the setup.
C-c o D	Delete all Trello metadata from this buffer.
C-c o c	Create or Update a complete card.
C-c o s	Synchronize FROM the entire buffer TO Trello.
C-u C-c o s	Synchronize TO the entire buffer FROM Trello.
C-c o g	Abort any synchronization in progress. (like C-g)
C-c \$	Archive the card at point. (Standard org binding)
C-c o A	Archive all DONE cards.

5.2.2 TODO Connection Commands

This section describes the functions used to connect org-trello to Trello.com and to attach an org file to a Trello board.

5.2.3 WORK Synchronization Commands

This section describes the synchronization functions.

org-trello-sync-buffer

Type “C-c o s” to sync the entire buffer TO the Trello board.

Type “C-u C-c o s” to sync the entire buffer FROM the Trello board.

5.2.4 TODO Editing Commands

This section describes the functions used to edit cards, comments and list items.

5.2.5 TODO Misc. Commands

This section describes other functions not listed above.

5.3 TODO How to Perform Tasks

This section describes how to use commands to perform tasks with org-trello.

6 TODO Troubleshooting org-trello

Troubleshooting. . .

7 Customizing org-trello

This section describes how you may customize org-trello.

7.1 CHEK Customizing the Prefix Keybinding

By default, org-trello uses the prefix keybinding “C-c o” to begin (almost) all of its commands. You may change this by customizing the variable “org-trello-current-prefix-keybinding”.

To customize “org-trello-current-prefix-keybinding”, type “C-h v org-trello-current-prefix-keybinding RET” to display the help text for this variable. Then follow the “customize” link on the last line. You may then use the customize interface to set another prefix keybinding.

Note: If org-trello is already running, you must restart emacs after customizing this variable (or run “M-x org-trello-mode” - *twice*).

You may also change this setting in your emacs initialization file. For example, to change the org-trello prefix keybinding to “C-c x” add these lines to your ~/.emacs (or ~/.emacs.d/.init.el) file:

```
(require 'org-trello)
(custom-set-variables '(org-trello-current-prefix-keybinding "C-c x"))
```

For an example, please see my startup file (<https://github.com/ardumont/orgmode-pack/blob/master/orgmode-pack.el#L57>).

7.2 CHEK Customizing Individual Keybindings

To redefine one or more org-trello-mode command keybindings, you should create a function to define keys in the org-trello-mode-map and hook your function to the org-trello-mode-hook. This will make org-trello run your function each time it starts.

```
(require 'org-trello)

(defun def-my-org-trello-keys () "Define my org-trello keys."
  (define-key org-trello-mode-map (kbd "C-c x v") 'org-trello-version)
  (define-key org-trello-mode-map (kbd "C-c x i") 'org-trello-install-key-and-token)
  (define-key org-trello-mode-map (kbd "C-c x I") 'org-trello-install-board-metadata)
  (define-key org-trello-mode-map (kbd "C-c x c") 'org-trello-sync-card)
  (define-key org-trello-mode-map (kbd "C-c x s") 'org-trello-sync-buffer)
  (define-key org-trello-mode-map (kbd "C-c x a") 'org-trello-assign-me)
  (define-key org-trello-mode-map (kbd "C-c x d") 'org-trello-check-setup)
  (define-key org-trello-mode-map (kbd "C-c x D") 'org-trello-delete-setup)
  (define-key org-trello-mode-map (kbd "C-c x b") 'org-trello-create-board-and-install)
  (define-key org-trello-mode-map (kbd "C-c x k") 'org-trello-kill-entity)
  (define-key org-trello-mode-map (kbd "C-c x K") 'org-trello-kill-cards)
  (define-key org-trello-mode-map (kbd "C-c x a") 'org-trello-archive-card)
  (define-key org-trello-mode-map (kbd "C-c x A") 'org-trello-archive-cards)
  (define-key org-trello-mode-map (kbd "C-c x j") 'org-trello-jump-to-trello-card)
  (define-key org-trello-mode-map (kbd "C-c x J") 'org-trello-jump-to-trello-board))
```

```
(define-key org-trello-mode-map (kbd "C-c x C") 'org-trello-add-card-comments)
(define-key org-trello-mode-map (kbd "C-c x o") 'org-trello-show-card-comments)
(define-key org-trello-mode-map (kbd "C-c x l") 'org-trello-show-card-labels)
(define-key org-trello-mode-map (kbd "C-c x u") 'org-trello-update-board-metadata)
(define-key org-trello-mode-map (kbd "C-c x h") 'org-trello-help-describing-bindings)
```

```
(add-hook 'org-trello-mode-hook 'def-my-org-trello-keys)
```

Note: This will not update the help messages to match your key-bindings nor remove the default keybindings.

You may add several lines like this one to your hook function to remove specific existing org-trello keybindings:

```
(define-key org-trello-mode-map (kbd "C-c o v") nil)
```

7.3 TODO Customizing org-trello Variables

7.4 TODO The Format of org-trello

This section describes the format of the text in an org-trello buffer.

8 Contributing to org-trello

Contributing...

8.1 CHEK Credits

Many thanks to all the contributors (<https://github.com/org-trello/org-trello/graphs/contributors>) to org-trello, including:

@dtebbs (<https://github.com/dtebbs>)

PR - fix on the card description (<https://github.com/org-trello/org-trello/pull/173>)

@jasom (<https://github.com/jasom>)

PR - improvements on the trello card's description rendering (<https://github.com/org-trello/org-trello/pull/175>).

@nicferrier (<https://github.com/nicferrier>)

marmalade (<http://marmalade-repo.org/>), elnode (<https://github.com/nicferrier/elnode>), emacs clean install (http://nic.ferrier.me.uk/blog/2012_07/emacs-packages-for-programmers)...

@nicolas_roche (https://twitter.com/nicolas_roche)

logo and the multiple suggestions regarding the web design part.

@nmassyl (<https://twitter.com/nmassyl>)

multiple exchanges on design and functionalities.

@purcell (<https://github.com/purcell>)

various discussions, suggestions regarding packaging on Melpa (<http://melpa.milkbox.net/>)

@puzan (<https://github.com/puzan>)

org-trello's el-get recipe

and thanks to all those that opened issues (<https://github.com/org-trello/org-trello/issues>) or pull requests (<https://github.com/org-trello/org-trello/pulls>).

Also, thank you to the entire free-software community world-wide, including the creators and contributors of Emacs and org-mode.

8.2 CHEK Release Notes

The separate release-notes file ([release-notes.org](https://github.com/org-trello/org-trello/blob/master/release-notes.org)) records the primary changes in each release of org-trello. Please also see the repository (<https://github.com/org-trello/org-trello>) on GitHub for a detailed history.

Appendix A DONE GNU General Public License

Version 3, 29 June 2007

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Preamble

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For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

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The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

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1. Source Code.

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Appendix C Indices

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