

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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1 Installing org-trello

Installing...

2 Connecting to Trello.com

Connecting...

3 Using org-trello

This section describes how to use org-trello after connecting an org-file to a board of Trello.com.

3.1 Summary of Key-Bindings

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	Select an existing Trello board and attach this file to it.
C-c o b	Create a new Trello board and attach this file to it.
C-c o u	Update this file’s attachment to its Trello board.

3.2 Connection Functions

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

3.3 Synchronization Functions

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.

3.4 Editing Functions

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

3.5 Misc. Functions

This section describes other functions not listed above.

4 Frequently-Asked Questions

FAQ...

5 Troubleshooting org-trello

Troubleshooting. . .

6 Customizing org-trello

This section describes how you may customize org-trello.

6.1 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>).

6.2 Customizing Individual Key Bindings

To redefine one or more org-trello-mode keys, 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 Contributing to org-trello

Contributing...

Appendix A Contributor 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.

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Version 3, 29 June 2007

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Appendix H Release Notes

This appendix records the primary changes in each release of org-trello. Please see the repository (<https://github.com/org-trello/org-trello>) on GitHub for a more detailed history.

- Release 0.8.1
 - Make adding trello colors to ‘org-tag-alist’ optional - Close #365
 - Fix typo in link to issue tracker - Close #364
 - Fix ci
 - Fix user properties search in agenda view - Close #366 - Close #371
 - Correct bad encoding of json encoded data.
 - Update version
 - Release notes
- Release 0.8.0
 - Update travis ci configuration
 - Fix ci’s multiple problems
 - Fix some emacs25 incompatibilities
 - Add copyright headers + update copyright range
 - Add ‘kill-whole-line in bug report
 - Upgrade version
 - Release notes
- Release 0.7.9
 - Fix problem with custom kill-whole-line properties - Close #270
 - Fix problem with scheduled deadline - Close #326
 - Upgrade version
 - Release notes
- Release 0.7.8
 - Fix cyrillic encoding problem - Close #318 #270
 - Update version
 - Sign tag release
 - Release notes
- Release 0.7.7
 - Rework packaging problem
 - Add issue/pr templates
 - Add request-backend to the org-trello-bug-report
 - Update version
 - Release notes
- Release 0.7.6
 - Update version

- Support unicode characters in sync - Close #307 Close #309
- Fix parsing username comments - Close #301
- Fix parsing timestamp in superior emacs (api change)
- Update travis-ci scripts to use the new travis infrastructure
- fix broken tests (mock.el unit test library revealed broken tests)
- Fix problem with org-latex-preview when computing checksums - Close #303
- Do not permit empty login when installing access key and token - Close #314
- Upgrade dependencies version
- Pb with labels-tags regarding the grey - Close #310
- Improve documentation about the setup account - #306
- Release notes
- Release 0.7.5
 - #290 - Toggling users assignments to card
 - Add binding ‘C-c o t’ for the toggling command (code, doc, etc. . .)
 - #293 - Add a basic user driven completing mechanism (default ido, possibility to use helm. . .)
 - #291 - Improve labels policy [4/4]
 - Update api to retrieve more labels
 - Unify board information retrieval
 - Update show board labels with the new colors
 - Fix what went wrong (install existing board + create new one)
 - Open a command to clean org-trello data in buffer
 - Close board command
 - Update version
 - Release notes
- Release 0.7.4
 - Improve release script + fix typo
 - Update version
 - Coverage [10/10]
 - stats-coverage.org for statistics (+ travis-ci/coverage.io)
 - Fix bug on org-trello-log namespace + org-trello-log
 - org-trello-input
 - org-trello-query
 - org-trello-proxy
 - org-trello-buffer
 - org-trello-controller
 - org-trello-data
 - org-trello-hash
 - org-trello

- #283 - Toggle assign me action
- Release notes
- Release 0.7.3
 - Update version
 - Close #277 - Improve date time policy conversion
 - Improve release + upload to marmalade scripts
 - Fix flycheck warnings
 - Some refactoring
 - Release notes
- Release 0.7.2
 - Update version
 - Close #276 - Markdown rendering in comments
 - Add test coverage
 - [internal] Full respect elisp convention
 - Release notes
- Release 0.7.1
 - Update version
 - Close #272 - Use native completion mechanism
 - Close #273 - Fix labels when installing board
 - Close #271 - Make a user option for user to decide the policy about checksum and position
 - Use improved native completin mechanism (again)
 - Close #274 - Add ‘M-x org-trello-bug-report’ command
 - Release notes
- Release 0.7.0
 - Update version
 - Close #238 - [internal] Respect elisp coding conventions [2/2]
 - Rename constants + variables
 - Rename entry points according to conventions + alias old definitions for backward compatibility
 - Close #239 - Migrate ~/.trello/config.el inside user-emacs-directory
 - Close #256 - one user can have multiple trello accounts [4/4]
 - Migrate the actual setup to the multi-account setup (transparent for user)
 - Update ‘org-trello-install-key-and-token’ command to create the account setup
 - Update the loading configuration mechanism multi-account aware
 - Make sure initializing org-trello account is ok
 - Close #267 - Emptying card’s description does not work
 - Remove too much verbosity (when deleting property checksum)

- Close #250 - Changing order of checklist items not saved unless checklist item's text changed
- Release notes
- Release 0.6.9.6
 - Create backlog
 - Update version
 - Fix #261 - Modifying/Adding labels ok, removing labels completely ko
 - Fix #262 - Mix between user ids and user name when assigning card
 - Release notes
- Release 0.6.9.5
 - Create backlog
 - Update version
 - Fix marmalade's release.sh script
 - Fix #255 regarding the org tags/trello labels
 - Release notes
- Release 0.6.9.4
 - Update version
 - Fix <https://github.com/org-trello/org-trello/issues/252>
 - Release notes
- Release 0.6.9.3
 - Create backlog
 - Update version
 - Problem in first comment point computation - Close #242
 - Release notes
- Release 0.6.9.2
 - Update version
 - Clean dead code regarding old comments system
 - Fix bug regarding comments indentation (breaking org rendering)
 - Fix bug regarding empty card and next card indentation (breaking org rendering)
 - Fix compile log warning about orgtrello-buffer depending on orgtrello-controller (wrong)
 - Update README-dev.md
 - Release notes
- Release 0.6.9.1
 - Create backlog
 - Update version
 - Fix region computation problem regarding comments - <https://github.com/org-trello/org-trello/issues/232>
 - Release notes

- Release 0.6.9
 - Create backlog
 - Update version
 - Fix `#+property` keyword to `#+PROPERTY` - CLOSE <https://github.com/org-trello/org-trello/issues/234>
 - Fix missing line on future org-mode 8.3 - CLOSE <https://github.com/org-trello/org-trello/issues/232>
 - Release notes
- Release 0.6.8
 - Create backlog
 - Update version
 - Edit comment direct in buffer - CLOSE <https://github.com/org-trello/org-trello/issues/221>
 - Open binding `'C-c o U'` for `'sync a comment'` action
 - Release notes
- Release 0.6.7
 - Create backlog
 - Update version
 - Improve/Refactor the comment deletion
 - Fix `'orgtrello-buffer/pop-up-with-content!'`
 - Improve comment creation - CLOSE <https://github.com/org-trello/org-trello/issues/222> [2/2]
 - Add checksum to the comments
 - Improve comment creation
 - Release notes
- Release 0.6.6
 - Create backlog
 - Update version
 - Delete comments - CLOSE <https://github.com/org-trello/org-trello/issues/222>
 - Clean no longer used show comments commands + install the delete comment command
 - Release notes
- Release 0.6.5
 - Create backlog
 - Update version
 - Maintenance - Revert tests back to ert-deftest to have more explicit error outputs
 - Fix unit tests
 - Fix CI which does not break when failure or error.

- Format user's comments in a readable format - <https://github.com/org-trello/org-trello/issues/218> [2/2]
 - Update the comment's format according to <https://github.com/org-trello/org-trello/issues/218#issue-48750430>
 - Update the 'org-trello/add-card-comment' command to improve creating comment
- Release notes
- Release 0.6.4
 - Minor change to allow abbreviated file path - <https://github.com/org-trello/org-trello/pull/213>
 - Update version
 - Move file list functionality to org-trello.el - CLOSE <https://github.com/org-trello/org-trello/issues/214>
 - Add ;;### autoload for the org-trello's default commands
 - Release notes
- Release 0.6.3
 - Update version
 - Enable org-trello mode automatically for certain files - <https://github.com/org-trello/org-trello/issues/210>
 - Release notes
- Release 0.6.2
 - Backlog
 - Update version
 - Improve check connection to trello
 - Improve documentation about the org-trello setup
 - Release notes
- Release 0.6.1
 - Update version
 - 'Trello archived' cards are not archived on org-trello buffers - CLOSE <https://github.com/org-trello/org-trello/issues/203>
 - Release notes
- Release 0.6.0
 - Refactor - Unify data structure between trello card and org-trello card
 - Refactor - Improve merge computations
 - Refactor - Remove some dead code
 - Update version
 - Improve sync request policy - <https://github.com/org-trello/org-trello/issues/58> [87%]
 - 'Sync card to trello' syncs card only if local changes
 - 'Sync card from trello' updates the card from trello and the local checksum signature

- 'Sync buffer from trello' updates the local card checksum
 - 'Sync buffer to trello' syncs only card with local changes
 - 'Delete entity' updates the checksum
 - Extend the checksum system to the checkbox entities (checklist/item) - sync to trello
 - Extend the checksum system to the checkbox entities (checklist/item) - sync from trello
 - Update checksum computation depending on entities
- 'Checklists don't work for me' - It does work - Need to improve checklist and item predicates. - CLOSE <https://github.com/org-trello/org-trello/issues/204>
 - Fix behavior
 - Fix tests
- Release notes
- Release 0.5.9
 - Backlog
 - Update version
 - Improve region card computation for sync card from trello.
 - Fix error on sync card from trello when nothing to sync.
 - Use defcustom instead of defvar for user customisation - CLOSE #196 (<https://github.com/org-trello/org-trello/issues/196>)
 - When not in card, explain why you cannot do the current action
 - Improve display of error when sync a card without title
 - Check package installation and fix what's needed
 - Release notes
- Release 0.5.8
 - Backlog
 - Update version
 - Add emacs24 dependencies - <https://github.com/purcell/org-trello/commit/0fef27e83d5b1c68af03213354ddd97448c802d2>
 -
 - http://www.gnu.org/software/emacs/manual/html_node/elisp/Library-Headers.html#Library-Headers
 -
 - <http://stackoverflow.com/questions/16805645/how-can-i-gracefully-drop-support-for-ol>
 - Downgrade request dependency to 0.3.1 to make org-trello installation possible in melpa-stable (no answer from 'request' maintainer) + <https://github.com/org-trello/org-trello/issues/195>
 - Release notes

- Release 0.5.7
 - Backlog
 - Update version
 - Fix default keyword when not specified (trello list name) - #183 (<https://github.com/org-trello/org-trello/issues/183>)
 - Remove reference to proxy in log messages
 - Sync buffer from trello - Ignore errors when there is nothing to sort.
 - Sync buffer from trello - Fold buffer entries when done.
 - Fix bug on (orgtrello-entity/compute-card-region!)
 - Release notes
- Release 0.5.6
 - backlog
 - Update version
 - Use save-excursion - save-restriction - narrow-to-region instead of using region
 - Fix behavior orgtrello-buffer/end-of-line! When going to end of line in checkbox, we need to do it twice, fix.
 - Small refactoring about overlays
 - Release notes
- Release 0.5.5
 - Backlog
 - Update version
 - Update main github's readme to static link to the main documentation site.
 - Update bindings order to regroup them
 - Add bindings for archiving cards 'C-c o A'
 - Remove old bindings 'C-c o C' that synced the card.
 - Update bindings 'C-c o A' to add comments to the card to 'C-c o A'
 - Update bindings to show comments as 'C-u C-c o A' and remove the old one 'C-c o o'
 - Check everything is ok from test point of view
 - Fix Synchronization problem - #183
 - Some refactoring to reduce multiple buffer readings
 - Check package installation
 - Release notes
- Release 0.5.4
 - Backlog
 - Archive cards - CLOSE #181
 - Open trello api about (un)archive card
 - Refactor API to factorize behavior
 - Install org-trello archive binding [100%]
 - Archive card interactive command

- Ensure sync-from trello does not retrieve archive cards too
 - Remap org's default archive binding 'C-c \$' to use org-trello's
 - Functional checks before executing archive
 - Add Archive DONE cards interactive command
- Fix 'Most actions not working' issue - CLOSE #192
- Update version
- Fix compilation warning(s)
- Release notes
- Release 0.5.3
 - Backlog
 - Emacs blocks when sync - CLOSE #164 - Deferred the sync/delete actions [100%]
 - Align execution of code regarding [100%]
 - Sync to
 - Sync from
 - Delete
 - Render the execution asynchronous [100%]
 - Delete
 - Sync card to trello
 - Sync buffer to trello
 - Sync card from trello
 - Sync buffer from trello
 - Fix alignment problem (sync a card from trello must enforce order on position)
 - Remove dead code
 - Refactor behavior between sync card and sync buffer [100%]
 - Refactor behavior
 - Refactor names
 - Trigger save after sync action - cannot do this because all requests are asynchronous. So emacs will do it on his own.
 - Caret must remain where it stands after 'sync from card' action
 - Fix - Keep the order when synchronizing the buffer
 - Improve orgtrello-controller/do-install-key-and-token
 - Improve org-trello/install-board-and-lists-ids [100%]
 - Let trello do the filtering on listing the boards
 - Resequence the actions and use parallel requests to improve speed
 - Improve some more regarding the sequencing
 - Improve org-trello/update-board-metadata [100%]
 - Rework the sequencing
 - Remove intermediary sync request
 - Clean new dead code

- Improve orgtrello-controller/do-create-board-and-lists [100%]
 - Rename org-trello/create-board to org-trello/create-board-and-install-metadata
 - Resequence the trello requests
 - Clean up some dead code
- Fix caret movement problem (At the end of an action, the caret must be at the same position as before)
- Improve logging system to prefix org-trello message with 'org-trello -'
- Fix create board issue (regarding org keyword list + order + closing list)
- Rename org-trello/install-board-and-lists to org-trello/install-board-metadata
- Rename org-trello/jump-to-card to org-trello/jump-to-trello-card
- Update package doc installation in org-trello.el
- Check package dependencies and adapt them if need be
- Fix problem with org-trello/end-of-line! when there is no org information at point
- Update version
- Release notes
- Release 0.5.2
 - Remove org-trello's over engineered bricks (proxy, elnode, webadmin) -> this will render it synchronous again. [100%]
 - Is proxy useful since emacs still blocks? -> The only thing interesting seems to be the ability to watch running actions. As no one seem to care about it, we can remove it.
 - Can't we simply use 'deferred (or 'async library) to defer computations? -> Yes, building actions (sync, delete) as 'lazy' list (macro) of deferred computations.
 - What about concurrency then? There will be indeed possibilities of concurrent requests.
 - What about race conditions then? We need to find a way to compose deferred computations -> deferred (<https://github.com/kiwanami/emacs-deferred>) seems able to do so
 - Remove db dependency
 - Remove elnode dependency
 - Remove esxml dependency
 - Remove orgtrello-db.el
 - Remove orgtrello-webadmin.el
 - Remove orgtrello-elnode.el
 - Remove orgtrello-server.el
 - Clean orgtrello-proxy.el up
 - Get back to synchronous query (sync to + delete)
 - Get back to synchronous query for sync from trello routines

- Clean load-org-trello.el up
- Update README-dev.md about namespace removal
- Fix loading of load-org-trello.el code
- Clean tests up
- Update org-trello package
- Fix bug regarding sync-entity and structure (apparently, there is a bad limit computation and this syncs the all buffer)
- Fix save buffer at the end of the sync actions
- Clean README-dev.md about marmalade
- Update dependencies version
- Now that elnode, esxml, db dependencies' are out of the way, org-trello can be fully built on melpa-stable.
- Update version
- Clean dead code
- Release notes
- Release 0.5.1
 - Remove marmalade remains (release.sh + Makefile)
 - Small refactoring of the main contract
 - Fix bad code (typo caddr)
 - Update version
 - Release notes
- Release 0.5.0
 - Revert 0.4.9 #187 which introduced regressions #186#issuecomment-52423783 and maybe #185
 - Retrieve interesting code from 0.4.9 (for example, start proxy during actions if stopped and warn about it, etc...)
 - Update version
 - Release notes
- Release 0.4.9
 - Backlog
 - Emacs blocks when sync - #164
 - deferred dependency - 0.3.1 chosen because it's the common denominator between marmalade and melpa
 - Render the data request consumer asynchronuous
 - ... emacs still blocks though...
 - Sometimes the proxy seems to not be started (which is a mess), add a check on the running proxy before doing anything. - #180
 - During the check of the proxy, if not started, try to start it.
 - Update version
 - No longer deliver to marmalade (too much work)

- Release notes
- Release 0.4.8
 - Backlog
 - mad caret syndrom - Close #177
 - mad caret - fix sync to
 - mad caret - the caret does not move even when sync computation takes place
 - mad caret - fix sync from
 - Upgrade version
 - Update release notes
- Release 0.4.7
 - Backlog
 - Improve the description management in org and trello - #89 #175
 - Revert to the block json-encode-hash-table
 - Upgrade version
 - Update release notes
- Release 0.4.6
 - Prepare Backlog
 - Fix - CLOSE <https://github.com/org-trello/org-trello/issues/172>
 - Fix - prelude does some monkey-patching on json-encode-hash-table which is used by org-trello - reimplement this function
 - CI is broken again - Try to find a solution
 - Update version
 - Update release notes
- Release 0.4.5
 - Backlog
 - 'Sync from trello' must preserve unknown data card in drawer - CLOSE #167
 - Extract unknown information and store them in org entity representation
 - Ensure those data transit back in trello data when merging
 - Write back those unknown information in the sync from trello
 - Update version
 - Release notes
- Release 0.4.4
 - Multiple files packaging - CLOSE #163
 - Move src/*.el files to /org-trello
 - Add 'provide statements for each of those files
 - Rework header + org-trello + footer files
 - Adapt main org-trello.el files to reference the needed namespaces
 - Adapt test files so that it continues to work (add the needed require statements)

- Adapt loading code routine for developing + testing
- Refactoring step - rename some files to avoid confusion
- Adapt README-dev.md to the current code adaptation
- Adapt cask packaging
- Add missing standard header to namespace
- Does org-trello still compiles? NO
- Fix simple compilation warnings
- Fix some more warnings
- Does org-trello's test work? YES
- Does org-trello work? NO
- Doc - Update docstring to standard emacs convention
- Fix org-trello to make it work again
- Test package melpa install (adapt org-trello recipe and test M-x package-install-file) - <https://github.com/ardumont/melpa/blob/org-trello-with-multiple-files-packaging/recipes/org-trello>
- Test package marmalade install
- Fix org-trello behavior with overlay on org-return and org-ctrl-c-ret
- Update version
- Release notes
- Release 0.4.3
 - Prepare backlog
 - Replace local back-end (file implementation) with a RAM database [100%]
 - Update README-dev.md about the new db namespace
 - Remove some useless new code
 - Improve start/stop server policy (one server may sync multiple buffers/boards... and right now, not really taken into account)
 - Clean dead code from the implementation switch from implicit disk files db to RAM db [100%]
 - Improve start/stop server policy 2
 - Some Refactoring
 - Version
 - Release notes
- Release 0.4.2
 - Refactoring - Remove dead code
 - Refactoring - Remove duplicated code already existing in dependency library
 - Improve - Fold all entries when sync full file from trello is done
 - Improve loading org-trello namespaces for dev purposes
 - Version
 - Release notes

- Release 0.4.1.1
 - Remove non interactive commands
 - Create board does not work - Close #157
 - Improve loading keys policy - #156
 - Use cask to make the packaging and remove old personal routines
 - Version
 - Release notes
- Release 0.4.1
 - Fix deadline/description problem - #154
 - Fix deadline/due date problem - #153
 - When sync from trello, merge non trello org tags with trello tags (to avoid loss for the user)
 - When sync to trello, filter out org tags that will not be understood by trello (to avoid 400 request from trello)
 - Add the quick start in the main package description
 - Version
 - Release notes
- Release 0.4.0.1
 - Fix 'Sync doesn't work if org buffer name contains special characters' - Close #147
 - Version
 - Release notes
- Release 0.4.0
 - Refactor
 - Fix - Close <https://github.com/org-trello/org-trello/issues/145>
 - Remove unused dependency
 - Update README-dev.md
 - Version
 - Release notes
- Release 0.3.9
 - Refactor - Symmetry for all commands where that makes sense (without C-u/with C-u)
 - Refactor - Enforce the api request creation usage with the params as usual
 - Let trello filter out needless data - CLOSE <https://github.com/org-trello/org-trello/issues/69>
 - Let trello filter out needless data - get card
 - Let trello filter out needless data - get checklist
 - Let trello filter out needless data - get item
 - Upgrade Version
 - Release notes

- Release 0.3.8
 - Some refactoring
 - Align sync from trello card tags/labels serialization with org's tags behavior
 - Refactor open org-trello buffer with title/content
 - Sanitize functions (move functions to their right namespaces)
 - Do not override the user's existing tags
 - Provide org-trello-mode-hook - CLOSE <https://github.com/org-trello/org-trello/issues/116>
 - Open stop all synchronization actions - CLOSE <https://github.com/org-trello/org-trello/issues/131>
 - Use C-u keychord to create a symmetry use (e.g. =C-c o s= is sync to trello, 'C-u C-c o s' is sync from trello)
 - sync-buffer, sync-to-trello, with C-u, sync-from-trello
 - assign-me, with C-u, unassign me
 - A command to 'sync from trello' the current entity without its structure - CLOSE <https://github.com/org-trello/org-trello/issues/139>
 - Use C-u on sync-entity-to-trello command to trigger the sync-entity-from-trello
 - A command to 'sync from trello' the current entity and its structure - CLOSE <https://github.com/org-trello/org-trello/issues/140>
 - Use C-u on sync-entity-and-structure-to-trello command to trigger the sync-entity-and-structure-from-trello
 - Some more refactoring
 - Fix bug regarding org keywords which disappeared
 - Version
 - Release notes
- Release 0.3.7
 - Use 'defconst' keyword instead of defvar
 - Use trello labels and org tags as one - CLOSE <https://github.com/org-trello/org-trello/issues/70>
 - Refactor + Fix create / connect to board
 - Update metadata command about the board currently connected (sometimes, new information arise)
 - Release notes
 - Version
- Release 0.3.6.1
 - Fix already used bindings
 - Fix edge case about adding comments
 - Version
 - Release notes

- Release 0.3.6
 - Test multiple emacs version - <https://github.com/org-trello/org-trello/issues/52>
 - Add a logo to website - <https://github.com/org-trello/org-trello/issues/129>
 - Synchronize user comments - <https://github.com/org-trello/org-trello/issues/86>
 - Add a comment to a card - <https://github.com/org-trello/org-trello/issues/132>
 - Take control over the test file which is now too big (dispatch in 'namespace' test buffer)
 - Version
 - Release notes
- Release 0.3.5
 - Test multiple emacs version - <https://github.com/org-trello/org-trello/issues/52>
 - Version
 - Update documentation note for the package view
 - Release note
- Release 0.3.4
 - PR fix typo in readme - <https://github.com/org-trello/org-trello/pull/120>
 - Fix webadmin button to delete running action
 - Add version emacs 24.3.50 in documentation
 - Improve computation level for checkbox (checkboxlist/items) - <https://github.com/org-trello/org-trello/issues/121#issuecomment-37559929>
 - Improve documentation
 - Upgrade version
 - Release notes
- Release 0.3.3
 - Issue when installing on melpa reported wrongly on melpa and reported back <https://github.com/org-trello/org-trello/issues/117>
 - Fix typo when-let in -when-let
 - Remove org as a dependency, the plugins org- do not seem to declare it + problem in dependency
 - Upgrade to dash 2.5.0
 - Clarify the possible manipulation to install the package as a file or directly from the multiple repository
 - Integration test to install the file with marmalade
 - Integration test to install the file with melpa
 - Integration test to fully install the package on marmalade

- Integration test to fully install the package on melpa
- Update README-dev.md about those targets
- Decline these tests with multiple emacs versions
- Use these targets on travis (even if the feedback will be way longer, it's better than no feedback)
- Upgrade version
- Ensure org-trello works with emacs 24.4 (how do i install it...)
- Release 0.3.2
 - Use standard remapping to override the org-end-of-line routine - https://www.gnu.org/software/emacs/manual/html_node/elisp/Remapping-Commands.html
 - Clean some dead code
 - Use standard mode map definition for the org-trello bindings
 - Fix description extract - <https://github.com/org-trello/org-trello/issues/114>
 - Version
 - Release notes
- Release 0.3.1.1
 - Installation failure - <https://github.com/org-trello/org-trello/issues/112>
 - Version
 - Release notes
- Release 0.3.1
 - Backlog
 - Version
 - Avoid duplication in declaring the org-trello version
 - Add the important information about emacs 24.3+ (org-trello is only supported from this version range)
 - Clean the code regarding the old checklist/item entities (with stars) - <https://github.com/org-trello/org-trello/issues/105>
 - Sometimes, multiple cards are created more than once. Improve the proxy policy regarding this - Unable to reproduce so do nothing.
 - Release notes
- Release 0.3.0
 - Backlog
 - Upgrade Version
 - org-trello bindings remains present when org-trello is switched off. Fix it.
 - Update doc
 - Release notes
- Release 0.2.9.1
 - Forgot to ship code

- Update version
- Release notes
- Release 0.2.9
 - Remove org-trello.el at the root of the code (as the package generates this file and the test load without it, no longer needs to be gitted)
 - Invisible checkbox identifier - <https://github.com/org-trello/org-trello/issues/98>
 - Fix sync from trello which loses the state of the checkboxes
 - Fix tests break since org-trello.el has been destroyed and simplify the testing
 - Overload the C-e mapping to go at the end of the line for the org-trello mode
 - Update doc
 - Release notes
- Release 0.2.8.2
 - Fix yet another error on synchronization from trello.
 - Update doc
 - Release notes
- Release 0.2.8.1
 - Fix error on synchronization from trello
 - Update doc
 - Release notes
- Release 0.2.8
 - Backlog
 - Synchronize description - <https://github.com/org-trello/org-trello/issues/80>
 - Use --reduce-from from dash instead of cl-reduce to reduce the cl deps
 - Version
 - Update doc
 - Release notes
- Release 0.2.7
 - Backlog
 - Create TODO template for the backlog start
 - Clean obsolete files (org-trello.org is no longer maintained, TODO-tests.org is no longer used)
 - Retry to split into ‘namespace’ files - <https://github.com/org-trello/org-trello/issues/93>
 - Split into ‘namespace’ files
 - Ensure packaging is generated and ok for marmalade
 - Ensure packaging is generated and ok for melpa - yes, ensure that the root ‘org-trello.el’ is generated before pushing on master.
 - Ensure the tests are still ok

- README-dev - <https://github.com/org-trello/org-trello/issues/99>
- Rewrite the abstraction around fetched results to unify the 'data model' (in and out identical) - <https://github.com/org-trello/org-trello/issues/100>
- Unify the terms around users-assigned (org-trello) and members (trello)
- Split the last org-trello namespace into 2 ('controller' for the orchestration function call triggered by interactive commands and 'org-trello' for the interactive commands)
- Unfold every entries before triggering the sync from trello to avoid problems similar as <https://github.com/org-trello/org-trello/issues/53>
- Version
- Release notes
- Release 0.2.6
 - Jump to card - <https://github.com/org-trello/org-trello/issues/88>
 - Rewrite convention for the "goto board" action into "jump to board"
 - Update README.md
 - Version
 - Release Note
- Release 0.2.5
 - Backlog updates
 - Global properties in upper case - <https://github.com/org-trello/org-trello/issues/83>
 - Hide the global properties - <https://github.com/org-trello/org-trello/issues/77>
 - Use of checkbox convention - <https://github.com/org-trello/org-trello/issues/78>
 - Jumping from emacs to the current trello board - <https://github.com/org-trello/org-trello/issues/76>
 - Simplify the update of the help menu to avoid possible desynchronisation with code
 - Update documentation + TOC
 - Version
 - Release notes
- Release 0.2.4
 - Sprint backlog
 - Some refactoring + tests coverage
 - Fix sync-from-trello - Merge org card's users assigned list and the trello one
 - Fix sync-from-trello - if new entities are referenced but not yet sync'ed on trello, they will disappear from the buffer when sync-from-trello (they should not) - <https://github.com/org-trello/org-trello/issues/71>
 - Compute the entities without sync'ed properties

- Write them silly at the end of the computation of the sync'ed data (trello and org merge) to the org buffer
- Upgrade version
- Release notes
- Release 0.2.3
 - Version
 - Fix discrepancy between docstring and binding to delete the setup - <https://github.com/org-trello/org-trello/issues/74>
 - Use a prefix binding which does not override the emacs's default user prefix (keep the original for the moment to avoid disturbing people which already use it) - <https://github.com/org-trello/org-trello/issues/72>
 - Update documentation about the possibility to change the default prefix key
 - Fix ci-travis build due to change in cask installation command
 - Release notes
- Release 0.2.2
 - Version
 - Improve abstraction around data from trello (not complete yet)
 - Show people assigned to card - <https://github.com/org-trello/org-trello/issues/67>
 - Compute user properties part from the board's informations
 - Install board setup routine (C-c o I) also install board users
 - Create board routine (C-c o i) should also install user boards (only the current user should then appear)
 - Setuping properties before doing any actions
 - Cleanup routine should also remove user global properties
 - User assigns oneself to the card
 - User unassigns oneself to the card
 - sync-to-trello also assign users
 - sync-to-trello also unassign users
 - sync-from-trello also retrieve user informations and update the org buffer
 - cleanup routine must cleanup card properties regarding user assigned
 - Update README about new command
 - Update README TOC
 - Release notes
- Release 0.2.1.2
 - Version
 - Release notes
 - Fix typography in naming windows-nt system
- Release 0.2.1.1
 - Version

- Release notes
- Fix error in packaging manipulation
- Release 0.2.1
 - Version
 - Improve sync from trello - In case of new item/checklist, the entry will be added at the end of the buffer instead of its rightful place.
 - Problem regarding some function on windows system - <https://github.com/org-trello/org-trello/issues/62>
 - Release notes
- Release 0.2.0
 - Version
 - Improve cleanup of the org-trello metadata
 - Videos about org-trello
 - Webadmin
 - Checkbox
 - Sync from trello
 - Cleanup trello board
 - Cleanup org-trello buffe
 - Reference videos to README
 - Improve sync to trello
 - Release notes
- Release 0.1.9
 - Clean install org-trello
 - Ensure sync-from-trello keep the order of the checklists clean
 - Version
 - Release notes
- Release 0.1.8
 - Simplify Cask file
 - webadmin: Improve rendering [2/2]
 - Better display for the delete buttons.
 - Use css for the play/pause entities
 - Ensure checks before sync request to the proxy.
 - Fix sync full entity (related to map-checkbox) - <https://github.com/org-trello/org-trello/issues/53>
 - Improve the justify policy once and for all (this blinks at the moment!)
 - Version
 - Fix problem with archive/unarchive file routine
 - Fix problem with delete file routine (does not take place)
 - Add missing callback for the delete action

- Improve the post-actions
 - Justify once
 - Saving once
 - Unify the saving behaviour with the delete action
- Release 0.1.7.1
 - Fix problem requiring cl-lib - <https://github.com/org-trello/org-trello/issues/51>
 - Fix error on when-let - <https://github.com/org-trello/org-trello/issues/54>
 - Version
 - release notes
- Release 0.1.7
 - webadmin: Add an action button on action to stop it
 - webadmin: Add an action button to stop every running actions on entities
 - URLEncode/Protect the data from the query before executing the query - <https://github.com/org-trello/org-trello/issues/46>
 - Some refactoring about:
 - Docstring position (same level as function definition, this way, when toggling sexp, we see the docstring too)
 - Simplification of cond statement
 - Adding some missing tests
 - Simplifying some code function (removing let when not needed)
 - Fix the scan problem with level 3 (must have been introduced with the refactoring from number to variable level)
 - Remove the marker notion and use the identifier in its place (we already use it as marker)
 - Fix the :PROPERTIES: font lock (which is not painted as keyword)
 - Improve the justify policy (trim the content before computing the justifying) -> There remains erratic behaviour
 - Improve map-checkbox to deal with limit (map over checkbox inferior to current level, at the moment, we scan all checkboxes)
 - Version
 - Release notes
- Release 0.1.6
 - Use the native org checklist to sync to trello
 - Sync entity and arborescence tree
 - Sync to trello must sync the native checklist if the flag is activated
 - Sync from trello must create native checklists if the flag is activated
 - Cleanup routine must cleanup the new checklist.
 - Delete entity must remove entity on point

- Upgrade version
- Automate the release to marmalade
- Justify the `#PROPERTIES#` to the left for a better rendering
- Keywordify the `#PROPERTIES#`
- Merge the `org:PROPERTIES:` and the `org-trello #PROPERTIES#` into one.
- Improve the activation/deactivation of the new way
- Update the readme about the new checkbox mode
- Release notes
- Release
- Release 0.1.5
 - Symmetry in the architecture - the deletion must pass through the consumer too.
 - Upgrade version
 - webadmin: Improve the rendering of the webadmin page to add headers and action
 - webadmin: Add a current scanning entry in the webadmin page
 - Defining log level using variable
 - Redefine main function to sync an entity (they are badly named).
 - Release notes
 - Release
- Release 0.1.4
 - Prepare the hierarchy files to avoid problem like <https://github.com/org-trello/org-trello/issues/37#issuecomment-23151353>
 - Adding a version interactive command (it will help for asking people the version they use).
 - Upgrade version
 - Refactoring - simplify code
 - Improve message labels
 - Improve failure dealing regarding the sync
 - Improve the marker computation
 - Remove the label/title notion and use the name notion (same as trello), this will reduce error reasoning.
 - Fix the format with missing argument on the callback sync success
 - Improve the test regarding the synchro completion of a level
 - Order when syncing to trello
 - Release notes
 - Release
- Release 0.1.3
 - Leverage elnode's webserver capacity to display some basic monitoring about the synchronization
 - Install bootstrap and jquery.js directly to avoid the user's manual installation (the first query to static files install bootstrap and jquery now)

- Simple end to end test - simple entity creation
- Improve the logging policy
- Improve the saving policy
- Upgrade version
- Release notes
- Release
- Release 0.1.2
 - Use an intermediary server between org and trello to permit asynchronous actions
 - Change org-trello's loading policy + update the readme about it
 - Find a way to make the proxy less verbose
 - Fix the loss of todo keywords after the synchronization -> no idea what's wrong here
 - Improve the attachment board routine to add the missing | keyword (hardcode with DONE for example)
 - Improve the clearing of already present heading metadata
 - Improve the help message to categorize the bindings
 - Improve the starting/stopping of org-trello
 - Remove end to end test as this can no longer work with asynchronous
 - Update the readme to explain the migration from 0.1.1 to 0.1.2
 - Render the sync to trello routine asynchronous
 - Render the sync complex entity routine asynchronous
 - Render the sync from trello asynchronous
 - Fix check setup routine
 - Interactive command to cleanup the org-trello data from the current buffer
 - Interactive command to delete all entities from the board and the org buffer
 - Update version
 - Release notes
 - Release
- Release 0.1.1
 - Literate org-trello
 - Testing the packaging, at the moment, this is done manually (make package & M-x package-install-file)
 - Introducing C-c o h at the loading of the buffer when it is loaded
 - Update readme/main page with images on videos
 - Replace already present properties regarding boards before injecting new ones.
 - Improve the current attach board and list routine to avoid manual setup for the user
 - Update version
 - Update dependencies lib to more recent version.

- Remove some warnings
- Add some message for the user to warn the user to use UTF-8
- Force utf-8 for the routine of board installation (create aend attach)
- Some more refactoring
- Refactoring: formatting code, install consume-key and access token routine improved, . . .
- Refactoring: UTF-8 warning for every routine + Forcing UTF-8 at setup time (create board and attach board routine)
- Refactoring: Adding `^L` break line inside the code to delimit the `'namespace'`
- Refactoring: Improve the callback use by avoiding to specify them
- Refactoring: Restart org-mode after synchronization to avoid losing the user's setup.
- Refactoring: Fix some problems (version, checklist mechanism update, warning on format, create complex entity which sync only the current entity)
- Release notes
- Release
- Release 0.1.0
 - Fix importing of cards with due date - <https://github.com/org-trello/org-trello/pull/22>
 - Migrate carton to card.el (travis-ci builds break because of this)
 - Order of creation of list (from keywords) in trello does not match the order of the keyword
 - Abstract away the query (`:method`, `:uri`, . . .) implementation
 - Abstract away the implementation of the org-data some more (access of the information from the map are embedded in the function instead of delegating to dedicated function, thus not hiding the implementation)
 - Version
 - Order when synchronizing from trello does not match trello's order
 - Refactor the sync from trello routine function (2 reduce embedded, only one is sufficient)
 - Enforce the order of the card accord to the org keywords after dumping the new entries from trello
 - Abstract away the return data from the http request
 - Update org version to the latest stable
 - Release notes
- Release 0.0.9
 - Update videos with the new features in the readme
 - Fix bug regarding the saving buffer routine
 - Refactoring action code regarding the message to display in the minibuffer (ATM we do not see what is done or not any longer)
 - Refactoring the http and http-sync functions

- Improve the delete entity action by forcing the caret to go at the begin of the line of the heading before killing anything.
- Update version
- Release notes
- Release 0.0.8
 - Fix the cl-lib dependency
 - Improve the message when an action is done to let the user know when the action is done!
 - Better saving buffer policy
 - Sync org DEADLINE with trello card due - <https://github.com/org-trello/org-trello/issues/17>
 - Done, Todo on "check lists" - Once the user sets a "check list" to DONE or TODO, then check or uncheck all the tasks it contains. - <https://github.com/org-trello/org-trello/issues/16>
 - A simple and parametrable setup to make the user choose to use the checklist system or not
 - Upgrade version
 - Release notes
 - Release
 - Update documentation about deadline, checklist
 - Cleanup the debugging functions
- Release 0.0.7
 - Reference missing bindings in documentation
 - Upgrade version
 - Improve the error message around the setup (the setup message is too generic and must be more detailed)
 - Save the buffer after the synchronization is done (after all we write the trello ids in the buffer)
 - Release
- Release 0.0.6.1
 - Fix the json-1.3 dependency, sometimes only 1.2 is available
 - Update version
 - Release
- Release 0.0.6
 - Test that the title/label of the entity is set when syncing to avoid a 400 error
 - Before making the request, ensure that everything is ok (checklist needs the card id, items needs the checklist id, etc. . .)
 - Up the demo video in the beginning of the readme
 - Improve readme with links to org-mode and trello
 - Improve readme's use cases

- Mention the possible errors
- Mention the emacs version
- Update release notes
- Update the version
- Make a release
- Release 0.0.5
 - Synchronizing from the trello board must simply compute and add/remove what's changed [100%]
 - Rewrite the release notes in their own file
 - Look on how to make a toc in the README.md in github
 - Update the release notes
 - Release on github, marmalade, melpa
- Release 0.0.4.1
 - Fix the creation board routine regarding the org-mode keywords (dynamic typing hell!)
 - Improve documentation regarding the possibilities to setup the org-mode keyword
 - Upgrade version to 0.0.4.1
 - Release on github, melpa, marmalade
- Release 0.0.4
 - Permit the user to deal with his/her own trello list (based on his/her org-mode keywords - cf. http://orgmode.org/manual/In_002dbuffer-settings.html)
 - Deploy on marmalade the stable version (and update the readme about it)
 - Rewrite tests using 'expectations'
 - Simplify some code regarding destructuring for example
 - Remove useless code
 - Improve documentations and sync the routine check message with the documentation.
 - Update documentation
 - Release on github, melpa, marmalade
- Release 0.0.3
 - Syncing complex entities
 - cleanup useless tests
 - Namespace cleanup
 - Building package is now able to deal with the right version
 - Create a board from org-mode
 - Display the name of the board as a property file
 - Cleanup the useless controls
 - Given a org-mode file, fill in the trello board
 - Announce in emacs mailing list

- Filter out the closed boards from the "choose board list"
- filter out level > 4 when syncing.
- Given a trello board, sync into a org-mode file
- cf. todo/done (`./TODO.org`) for the remains
- Release on github (and the previous version too)
- Release 0.0.2
 - Technical release fixing technical details
 - Fixing the packaging (inlining into `org-trello.el`)
 - Adding ci-travis
 - Local packaging to help testing
- Release 0.0.1
 - write only mode at the moment (org-mode pushes to trello, no reading yet)
 - simple entity creation (card, checklist, item/task), the request is asynchronous
 - entity deletion (card, checklist, item/task)
 - Interactive command to ease the setup of the consumer-key and the access-token
 - Interactive command to ease the setup of one org-mode file (which represents one trello board). I assume there exists a 'todo', 'doing', and 'done' list (named that way too)
 - Control that the setup file (consumer-key and access-token) are rightly generated (to avoid later problem)
 - Control that the properties on the current org-mode file are rightly setuped to access a trello board
 - packaging for melpa