

Contents

1	Motivation	1
2	Intro	1
3	Screenshots	1
4	Features [16/17]	3
5	Install	4
5.1	Requirements	4
5.2	MELPA	5
6	Usage	5
6.1	If you want better better performance	5
7	Link examples	6
8	FAQ	7
8.1	Q: Some link types are not beautified by org-link-beautify?	7
9	Contributions	7

1 Motivation

Org Mode

Usually Org links only have text, it's not very intuitive to recognize what type of link it is. Add some color and icon, even image preview will help user read links.

2 Intro

An Emacs extension which beautify Org Mode links with previewing.

3 Screenshots

Annotate link with icon to indicate link type. And use color to indicate link file exist or not?

```
emacs λ README.org {Meta+E}

Intro...
Screenshots...
Features...
Install...
Usage...
Link examples

NOTE: Because all-the-icons fonts has some issue on my system, so bellowing some
icons might not correctly displayed. And some links are not beautified because I
have not found suitable icons for them. And if file: link type source file is
not available, it will be colored. If you have any idea, PR welcome.

- file link kkk
- raw link file:babel-clojure.org
- file+sys link [file+sys:README.org]
- file link smart recognize file types file:~/Downloads/8-个税政治成本最高 对社会公平毫无帮助[李稻葵].pdf
- directory link [Downloads]
- URL link (use different icons based on url with smart all-the-icons) [https://www.google.com]
- custom id link Usage
- coderef link (toggle org-link-beautify-mode)
- elisp link (elisp:(print "hello, org-link-beautify!"))
- shell link [shell:echo "hi"]
- eww link eww:https://www.baidu.com
- A mu4e link Re: [Suggestion] add an API function for getting link description
- Git link [git:/home/stardiviner/Code/Emacs/org-mode/lisp/org.el::master@{2017-06-24}::1]
- orgit link
- orgit-rev link
- orgit-log link
- pdfview link [pdfview:~/Downloads/社会网络 深度图查询.pdf]
- grep link [grep:org-link-beautify]
- occur link [occur:org-link-beautify]
- man link [man:grep]
- info link [info:emacs]
- help link help:man
- rss link [[rss:https://www.gmail.com]]
- elfeed link [[elfeed:Today's news]]
- telnet link
- wikipedia link [[wikipedia:Linux]]
- mailto link [[mailto:numbchild@gmail.com]]
- doi link [[doi:what?]]
- EAF link PostgreSQL即学即用中文第2版.pdf


Contributions...

-U:-- README.org<org-link-beautify> All L32 Git:master [9:Mail] (Org)
Wrote /home/stardiviner/Code/Emacs/org-link-beautify/README.org
```

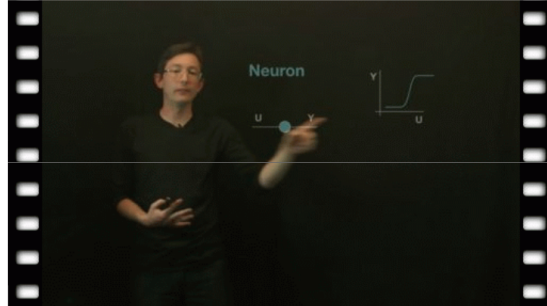
Supports video file link preview with thumbnail.

Link examples

NOTE: Because [all-the-icons](#) fonts has some issue on my system, so bellowing some icons might not correctly displayed. And some links are not beautified because I have not found suitable icons for them. And if file: link type source file is not available, it will be colored. If you have any idea, PR welcome.

– file link [kkk](#) 


– video thumbnail for video file link



– raw link [file:babel-clojure.org](#) 

– file+sys link [file+sys:README.org](#) 

– file link smart recognize file types [file:~/Downloads/8-个税政治成本最高 对社会公平毫无帮助\[李稻葵\].pdf](#) 

– directory link [Downloads](#) 

4 Features [16/17]

- ☑ Only display org-link-beautify preview images (and icons) when headline expanded. This will reduce Emacs memory and improve performance!!!
- ☑ support colorize links if file: target file does not exist
- ☑ support display icons for link types (currently already supported many link types)
- ☑ supported many different link types (If you found not supported link type, PR welcome!)
- ☑ display image for previewing image file
- ☑ display image for previewing PDF file and preview of specific PDF page number. Like this:

```
[[file:/path/to/filename.pdf]]
```

```
[[pdfview:/path/to/filename.pdf::15]]
```

Currently support PDF link types:

- pdfview:
- docview:
- eaf:pdfviewer::

☒ display thumbnail for video file link

- ☒ support Linux video thumbnail with "ffmpegthumbnailer"
- ☒ support macOS video thumbnail with "qlmanage"
- ☒ support all platforms with "ffmpeg"

☒ preview audio file link with wave form image

- ☒ support Linux audio thumbnail with "audiowaveform"
- ☒ support macOS audio thumbnail with "qlmanage"

☒ add keymap on link text-property, available keybindings:

[Enter] `org-open-at-point`, so you can press [Enter] to open link.

You can add more keybindings with following similar config:

```
(define-key org-link-beautify-keymap (kbd "RET") 'org-open-at-point)
```

- ☒ preview text files like .org, .markdown (.md), .txt, and source code files etc (customized with `org-link-beautify-text-preview-list`).
- ☒ preview archive files like .zip, .rar, .tar.gz, .tar.bz2, .7z etc.
- ☐ preview URL with screenshot on web page (Still considering whether should add this feature.)

5 Install

5.1 Requirements

all-the-icons This Emacs package icons use "all-the-icons". If you got icon problem. You need to make sure all-the-icons **AND FONTS** installed correctly.

video thumbnail feature needs package "ffmpegthumbnailer"

For Arch Linux:

```
sudo pacman -S --noconfirm ffmpegthumbnailer
```

For macOS:

```
brew install ffmpegthumbnailer
```

audio wave form image preview need package "audiowaveform"

Check out <https://github.com/bbc/audiowaveform> for installation guide.

PDF file preview with command "pdftocairo" or "pdf2svg"

For Arch Linux:

```
sudo pacman -S --noconfirm poppler # command pdftocairo
sudo pacman -S --noconfirm pdf2svg # command pdf2svg
```

For macOS:

```
brew install poppler pdf2svg
```

EPUB file cover image preview need command "gnome-epub-thumbnailer"

For Arch Linux:

```
sudo pacman -S --noconfirm gnome-epub-thumbnailer
```

For macOS:

<https://github.com/marianosimone/epub-thumbnailer>

5.2 MELPA

6 Usage

```
(org-link-beautify-mode 1) ; (ref:toggle org-link-beautify-mode)
```

6.1 If you want better better performance

You can toggle this option carefully to improve Org `org-activate-links` performance:

```
(setq org-element-use-cache t)
```

7 Link examples

NOTE: Because `all-the-icons` fonts has some issue on my system, so bellowing some icons might not correctly displayed. And some links are not beautified because I have not found suitable icons for them. And if `file:` link type source file is not available, it will be colored. If you have any idea, PR welcome.

```
- file link [[file:babel-R.org][kkk]]
+ remote file
+ non-existing file
+ video thumbnail for video file link [[file:~/Downloads/Neural Network Architecture.pdf]]
- raw link [[file:babel-clojure.org]]
- file+sys link [[file+sys:README.org]]
- file link smart recognize file types [[file:~/Downloads/8- \[\].pdf]]
- directory link [[file:~/Downloads/][Downloads]]
- URL link (use different icons based on url with smart all-the-icons) [[https://www.google.com]]
- elisp link [[elisp:(print "hello, org-link-beautify!")] ]
- shell link [[shell:echo "hi"]]
- eww link [[eww:https://www.baidu.com]]
- A mu4e link [[mu4e:msgid:87mu62hfq1.fsf@nicolasgoaziou.fr][Re: [Suggestion] add an A]]
- Git link [[git:/home/stardiviner/Code/Emacs/org-mode/lisp/org.el::master@{2017-06-24}]]
- orgit link
- orgit-rev link
- orgit-log link
- pdfview link [[pdfview:~/Downloads/ .pdf]]
- grep link [[grep:org-link-beautify]]
- occur link [[occur:org-link-beautify]]
- man link [[man:grep]]
- info link [[info:emacs]]
- help link [[help:man]]
- rss link [[rss:https://www.gmail.com]]
- elfeed link [[elfeed:Today's news]]
- telnet link
- wikipedia link [[wikipedia:Linux]]
- mailto link [[mailto:numbchild@gmail.com]]
- doi link [[doi:what?]]
- EAF link [[eaf:pdf-viewer::/home/stardiviner/Org/Wiki/Computer Technology/Programming]]
```

8 FAQ

NOTE: This Emacs package icons use "all-the-icons". If you got icon problem. You need to make sure all-the-icons and fonts installed correctly.

8.1 Q: Some link types are not beautified by org-link-beautify?

This is because `org-link-beautify` finished loading before that package register link type. This depend on your Emacs config init file the order or loading packages.

Solution: make sure `org-link-beautify` is loaded at the end of all packages. You can config like this:

```
(add-hook 'after-init-hook #'org-link-beautify-mode)
```

9 Contributions

- Thanks to John Kitchen and Nicolas Goaziou help in Org Mode mailing list.
- And yuchen-lea's screenshot gives me design idea
- pdf file link preview inspired from `org-inline-pdf.el`