



# Tutoriels AutoCAD

***Version 1.02***

**olitur**

**07 03 2017**



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## AutoCAD : Tutoriel 01

### 1.1 Structure du dossier docs

Il s'agit du dossier contenant les fichiers source au format .rst permettant soit de produire une *sortie .html*, soit une sortie “.pdf”.

Un fois placé dans le répertoire docs la commande suivante `tree /f` donne le résultat suivant (la commande `tree` seule n'aurait indiqué que les répertoires) :

```
docs
|
+--guides
|   |   autocad-guide01.rst
|   |   autocad-guide02.rst
|   |   index.rst
|
+--autocad-guide01
|   +--fichiers
|       gabarit_acad2010_teb+imprimante_pdf.zip
|
+--img
    bokehjs_pie_charts.png
    bokehjs_plotting.png
    bokeh_serve.svg
    bokeh_server.pxm
    bokeh_serve_scale.svg
    bokeh_simple_test.png
    Intro.jpg
    lesson_selector.png
|
+--autocad-guide02
|   +--fichiers
|       gabarit_acad2010_teb+imprimante_pdf.zip
|
+--img
    charts_donut.png
    charts_dots.png
    charts_heatmap.png
    charts_lines.png
    charts_scatter_no_labels.png
    charts_scatter_w_labels.png
    Intro.jpg
    lesson_selector.png
```

```
|- ---images
|   17186903926_218ec70da3_o.png
|   17_EXT-_Access_Terrass.jpg
|   18241799911_0ee016e973_o.jpg
|   2619.jpg
|   60897883c74ddba9f88350b924cf7b5d.jpg
|   899737c64e97082589b0cd0db17d5a87.jpg
|   9b7452_4929c05fd6e54bf4a3099691f68ab423.jpg
|   animation_driver_workflow_for-multiple-shape-keys-extended.png
|   animation_driver_workflow_for-multiple-shape-keys-key1.png
|   animation_driver_workflow_for-multiple-shape-keys-key2a.png
|   animation_driver_workflow_for-multiple-shape-keys-key2b.png
|   animation_driver_workflow_for-multiple-shape-keys-retracted.png
|   BellLlocWinery_Photo-by-Hisao-Suzuki_1.jpg
|   claab2e38fa5519f5661c12f1e0887cf.jpg
|   compositing_nodes_filter_pixelate_example.png
|   DSC8714.jpg
|   editors_uv-image_uv-editing_layout-editing_uv-layout-export.png
|   Filmwell-4.jpg
|   grange.jpg
|   gravt_1.jpg
|   hut.jpg
|   icons_grease-pencil.png
|   icons_object-mode.png
|   icons_particle-edit.png
|   icons_sculpt-mode.png
|   icons_texture-paint.png
|   icons_vertex-paint.png
|   ikea-mexico-border-wall-spoof_dezeen_hero.gif
|   img-guides.png
|   img-refs.png
|   img-tuts.png
|   img-tuts.svg
|   index.png
|   lifebuzz-02bcb92df06a65cee6510fbe0c9956eb-limit_2000.jpg
|   lifebuzz-9ec5cca7207d61cf1928374b5fdd7373-limit_2000.jpg
|   lifebuzz-d2eee5ab9cb679f82e4a833de75ae7dc-limit_2000.jpg
|   lifebuzz-eb65f05928aff692abce9aafc294bb4d-limit_2000.jpg
|   lifebuzz-ec92b5e2074365aea11f772795dc280b-limit_2000.jpg
|   logo.pdf
|   os-logos.png
|   ot6hgwgvkdg7os01.jpg
|   Peter_Pichler_Architecture_Oberholz_11.jpg
|   Puquios-Nazca-Peru-Getty-Images_CLAIMA20160421_0299_17.jpg
|   stock-photo-195880277.jpg
|   tumblr_mfe80vYmn31qat99uo4_500.jpg
|   windows-logo.png

|- ---news
|   index.rst
|   news-2016.rst
|   news-2017.rst

|- ---refs
|   |   autocad-faq.rst
|   |   autocad-gloss.rst
|   |   autocad-help.rst
|   |   autocad-intro.rst
|   |   autocad-refs.rst
|   |   index.rst
|
|   |   ---config
```

```

config-2.rst
config-initial.rst
index.rst

---start
|   index.rst

---install
    installation-osx.rst
    installation-win.rst

---tuts
    autocad-tut01.rst
    autocad-tut02.rst
    index.rst

---autocad-tut01
|   ---fichiers
|       gabarit_acad2010_teb+imprimante_pdf.zip
|
|   ---img
|       Intro.jpg
|       notebook_comms3.png
|       notebook_comms4.png
|       notebook_comms5.png
|       notebook_vector.png
|       objects.png
|       round_cap.png
|       sliders_applet.png
|       square_cap.png
|       stocks_applet.png
|
|   ---autocad-tut02
|       ---fichiers
|           gabarit_acad2010_teb+imprimante_pdf.zip
|
|       ---img
|           boxpot_chart.png
|           brewer.png
|           burtin.png
|           chord_chart.png
|           color_scatter.png
|           color_sliders.png
|           dot.png
|           dot_chart.png
|           elements.png
|           Intro.jpg

```

---

**À faire****à corriger**

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Odoo celebrates freedom. Freedom for the designer to go further and freedom for the user to customize everything according to their needs Manifold.

Ready to create your own theme ? Great. Here are some things you should know before you begin. This tutorial is a guide to creating an Odoo theme.



Fig. 1.1 : Grange & chevaux



Fig. 1.2 : A frame house

## 1.2 An introduction for web designers

If you are a web designer using Odoo for the first time, you are in the right place. This introduction will outline the basics of Odoo theme creation.

---

**Note :** Odoo's team has created a framework that's powerful and easy to use. There's no need to know special syntaxes to use this set of tools.

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### 1.2.1 Videos

**Voir aussi :**

- Python<sup>1</sup> and its documentation<sup>2</sup>.
- functions.wolfram.com<sup>3</sup>.

### 1.2.2 Minimizing images

Optimize image compression where possible. For PNG files, use OptiPNG and AdvanceCOMP's advpng :

```
$ cd docs/  
$ optipng -o7 -zml-9 -i0 -strip all `find . -type f -not -path "./_build/*" -  
-name "*.png"`  
$ advpng -z4 `find . -type f -not -path "./_build/*" -name "*.png"`
```

1. <https://www.python.org>
2. <https://docs.python.org/>
3. <http://functions.wolfram.com/>

This is based on OptiPNG version 0.7.5. Older versions may complain about the `-strip all` option being lossy.

### 1.2.3 Allô ?

**Astuce :** Windows “standard” (non-developpers) users are invited to download the BlenderVR Install Executable for Windows 7 (*though you are still advised to read through the following installation and how to use guides*). 

### 1.2.4 Driver Variables

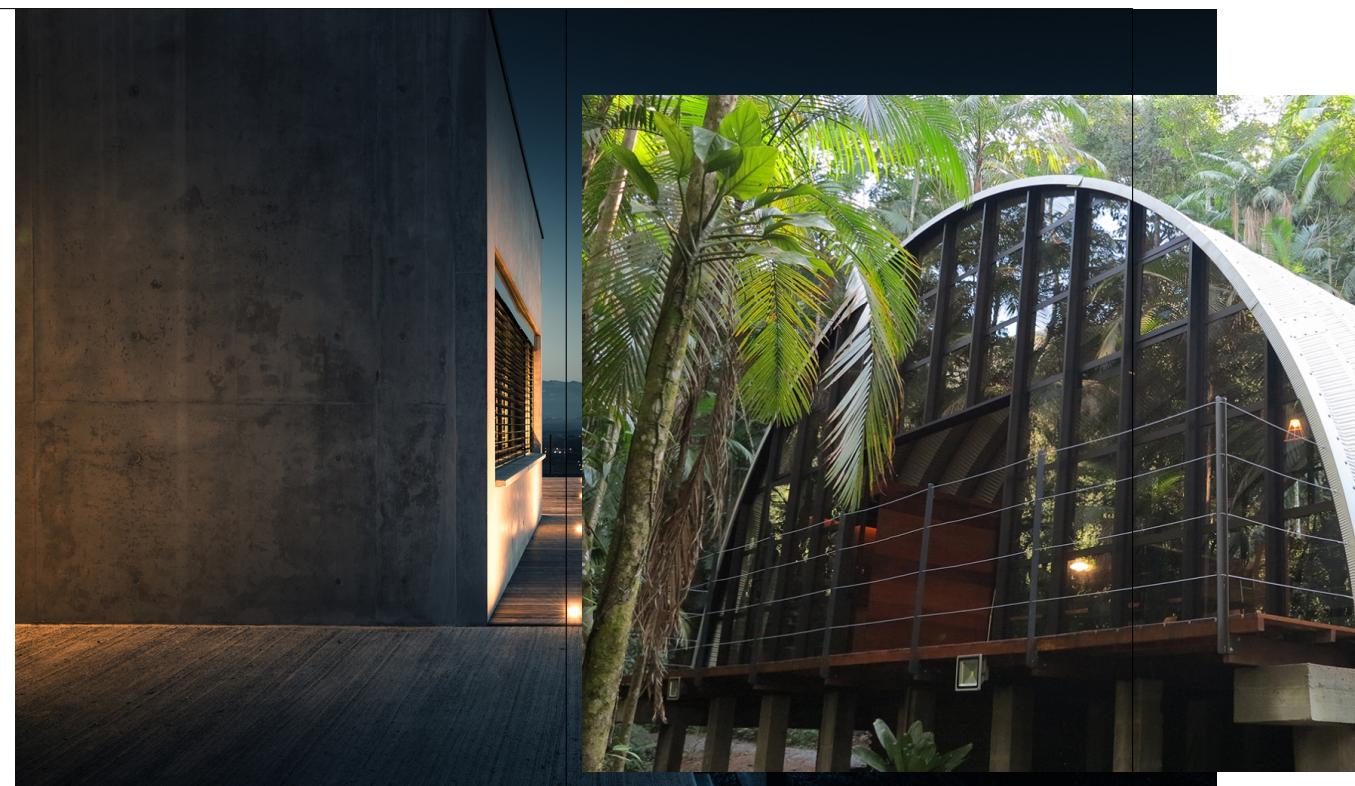


Fig. 1.3

Fig. 1.3 : Transform Channel Setup.

### 1.2.5 Workflow

#### Transform Driver

This example shows you how to set up a transform driver. First make sure you are in the Front Ortho view. NumPad5, NumPad1.

1. In object mode, select then duplicate the default Cube. Shift-D. Move “Cube.001” to a new location.
2. With “Cube.001” selected, add a single driver to the *Rotation Y* property.
3. Open the *Graph Editor*, set the Mode to *Drivers*.

4. *Show Only Selected* is useful disabled for drivers, marked green in the picture.
5. In the channels region, select the *Y Euler Rotation* property.
6. Press N to open the properties region, scroll down to Drivers panel.
7. Change the *Type* to *Averaged Value*, this will return the averaged value of the driver variables.
8. Modify the driver variable settings :
  - Type - Transform Channel
  - Ob/Bone - Cube
  - Transform Type - X Location
  - Transform Space - World Space

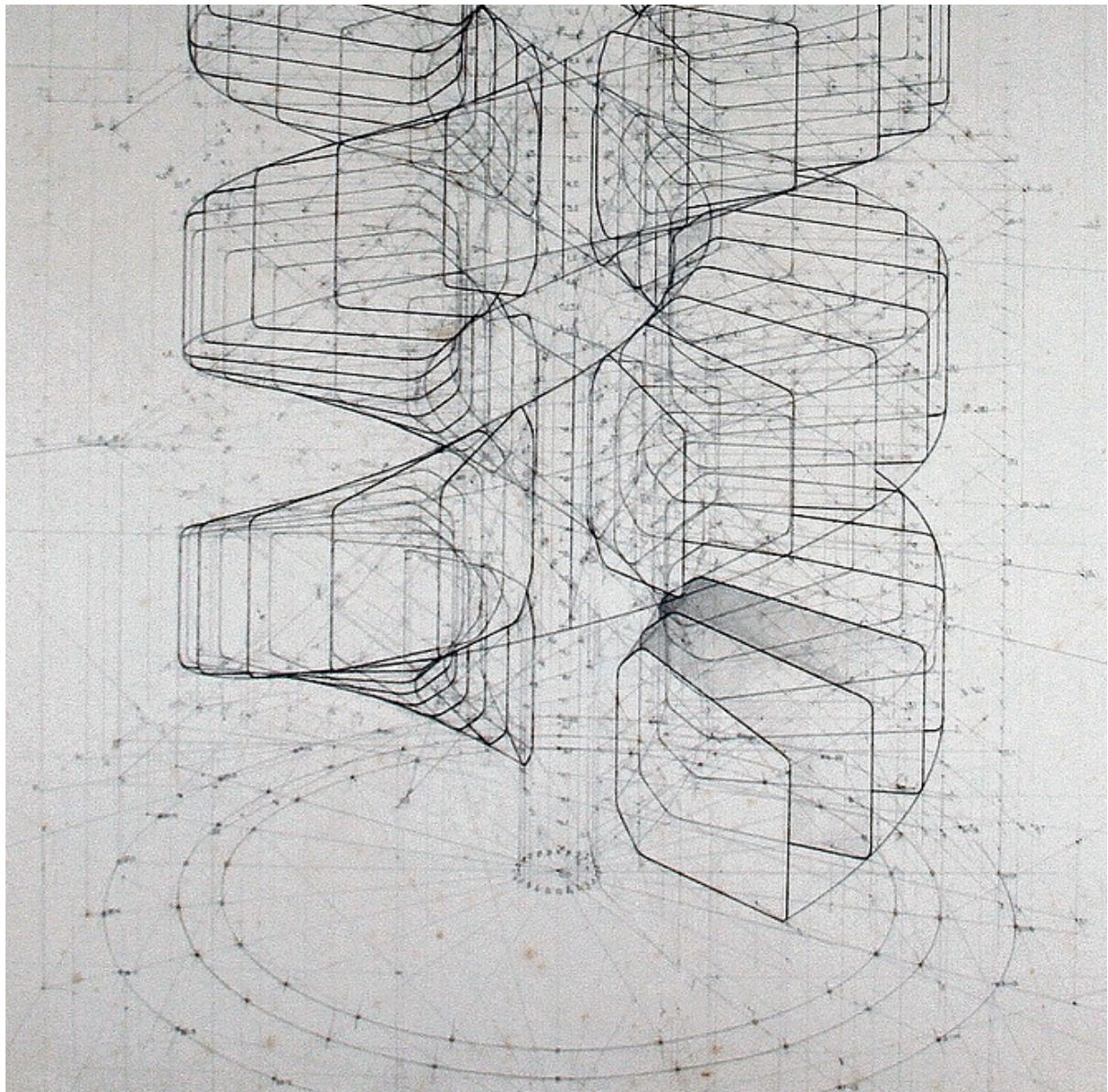


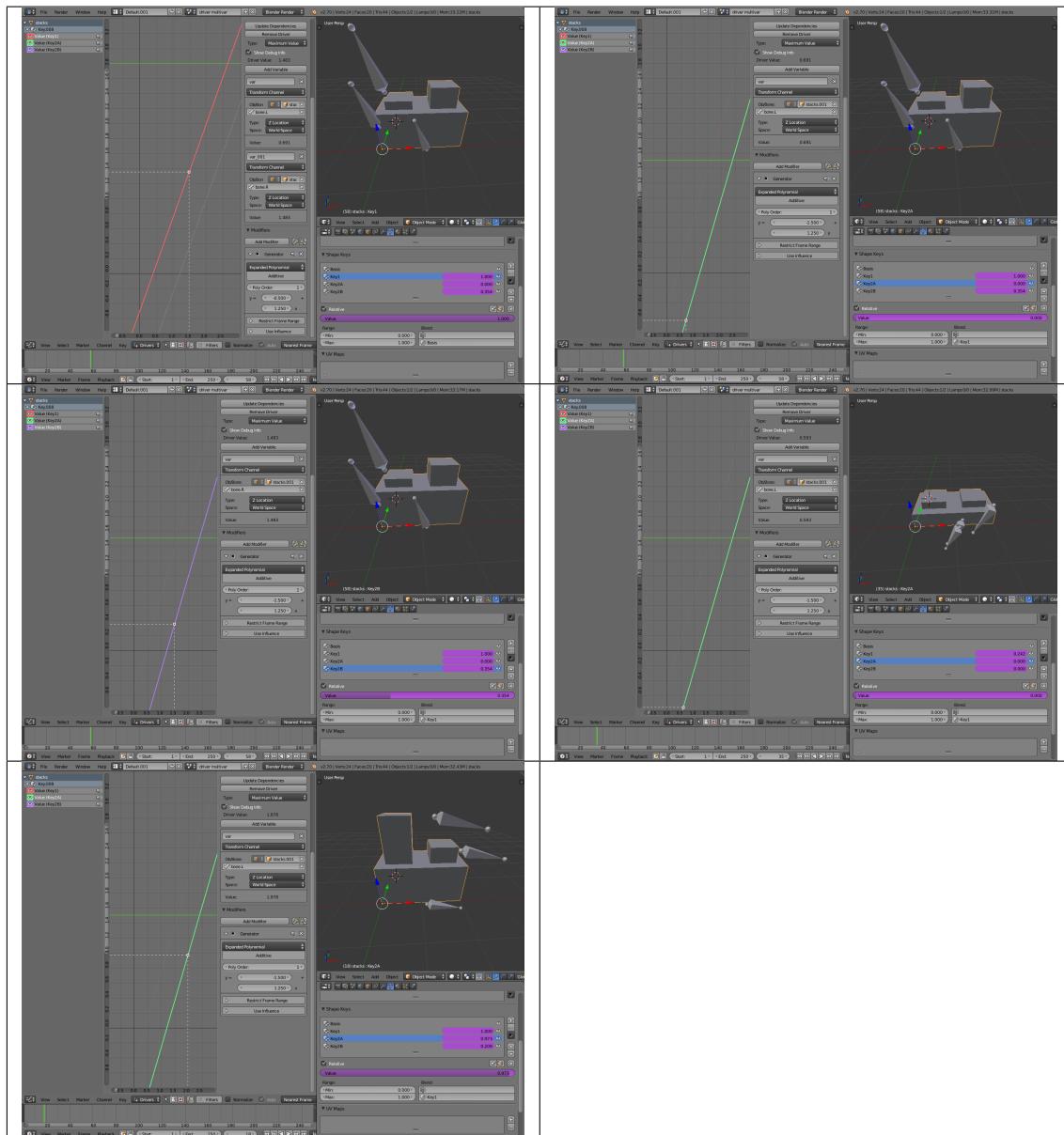
Fig. 1.5 : Animation

When finished, “Cube.001” should rotate on the Y axis when moving “Cube” left to right.

## Drivers And Multiple Relative Shape Keys

The following screenshots illustrate combining shape keys, bones, and drivers to make multiple chained relative shape keys sharing a single root. While it lacks the convenience of the single Evaluation Time of an absolute shape key, it allows you to have more complex relationships between your shape keys.

Tableau 1.1 : et quoi dire de plus ?



The Basis shape key has the stacks fully retracted. Key1 has the base fully extended. Key2A has the left stack fully extended. Key2B has the right stack fully extended. Key2A and Key2B are both relative to Key1 (as you can see in the field in the bottom right of the Shape Keys panel).

The value of Key1 is bound to the position of bones by a driver with two variables. Each variable uses the world Z coordinate of a bone and uses the maximum value to determine how much the base should be extended. The generator polynomial is crafted such that the top of the dominant stack should line up with the bone for that stack.

The value of Key2A is bound to the position of "Bone.L". Its generator para-

meters are crafted such that when Key1's value reaches 1, the value of Key2A starts increasing beyond zero. In this way, the top of the left stack will move with bone.L (mostly).

The value of Key2B is bound to the position of "Bone.R". Its generator parameters are similar to Key2A so that the top of the right stack will move with bone.R (mostly).

Since it is quite easy for bone.L and bone.R to be in positions that indicate conflicting values for Key1 there will be times when the bones do not line up with the tops of their respective stacks. If the driver for Key1 was to use Average or Minimum instead of Maximum to determine the value of the shape key then "conflicts" between bone.L and bone.R would be resolved differently. You will choose according to the needs of your animation.

### From common CMS to Odoo

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**Note :** If you always think and work in the same way, you'll probably get the same results. If you want something completely new, then try something different.

---

#### 1.2.6 Composition of a module

An Odoo module can contain a number of elements :

**Business objects** declared as Python classes, these resources are automatically persisted by Odoo based on their configuration

**Data files** XML or CSV files declaring metadata (views or workflows), configuration data (modules parameterization), demonstration data and more

**Web controllers** Handle requests from web browsers

**Static web data** Images, CSS or javascript files used by the web interface or website

---

### Reference

Mode : Object Mode

Hotkey : Ctrl-Numpad0

---

## 1.3 Render Border

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### Reference

Mode : All modes

Menu : *View → Render Border*

Hotkey : Ctrl-B

Render  
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mera  
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out a  
rec-  
tangle  
within  
the ca-  
mera's  
frame.  
Your  
renders  
will  
now be  
limited  
to the  
part of  
scene  
visible  
within  
the  
render  
border.



This can be very useful for reducing render times for quick previews on an area of interest.

The border can be disabled by disabling the *Border* option in the *Dimensions* panel in the *Render* tab or by activating the option again.

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**Note :** When Render Border is activated, Motion Blur will become available to view in the 3D View.

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Tableau 1.2 : Anim 2



### 1.3.1 Undo

---

#### Reference

Mode : All Modes

Panel : *Tool Shelf* → *Tools* → *History* → *Undo*

Menu : *Object/Object types* → *Undo*

Hotkey : *Ctrl-Z*

---

If you want to undo your last action, just press *Ctrl-Z*.

**Voir aussi :**

this section on undo to change defaults.

### 1.3.2 Redo

---

#### Reference

Mode : All Modes

Panel : *Tool Shelf* → *Tools* → *History* → *Redo*

Menu : *Object/Object types* → *Redo*

Hotkey : *Ctrl-Shift-Z*

---

To roll back the Undo action, press **Ctrl-Shift-Z**.

### 1.3.3 Undo History

---

#### Reference

Mode : All Modes

Panel : *Tool Shelf* → *Tools* → *History* → *Undo History*

Menu : *Object/Object types* → *Undo History*

Hotkey : **Ctrl-Alt-Z**

---

There is also an Undo History of the last actions taken, recorded by Blender. You can access the history pop-up with **Ctrl-Alt-Z**.

First positions correspond to most recent actions. A small icon of an eye next to one of the entries indicates the current status. Rolling back actions using the *Undo History* feature will take you back to the action you choose. Much like how you can alternate between going backward in time with *Undo* and then forward with *Redo*, you can hop around on the Undo timeline as much as you want as long as you do not make a new change. Once you do make a new change, the Undo History is truncated at that point. Selecting one of the entries in the list takes the current status to that position.



Fig. 1.13 : The Undo History Menu.

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### 1.3.4 Repeat Last

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#### Reference

Mode : All Modes

Panel : *Tool Shelf* → *Tools* → *History* → *Repeat : Repeat Last*

Hotkey : Shift-R

---

The Repeat Last feature will repeat your last action when you press Shift-R.

In the example Images below, we duplicated a *Monkey* mesh, and then we moved the Object a bit. Using repeat Shift-R, the *Monkey* was also duplicated and moved.

Tableau 1.3 : Together Win-Q.



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### 1.3.5 Repeat History

---

#### Reference

Mode : All Modes

Panel : *Tool Shelf* → *Tools* → *History* → *Repeat : History...*

Hotkey : F3

---

The Repeat History Menu.

The *Repeat History* feature will present you a list of the last repeated actions, and you can choose the actions you want to repeat. It works in the same way as the Undo History, explained above, but the list contains only repeated actions. To access Repeat History, use F3.

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**Note :** Blender uses two separate Histories, one dedicated for the *Edit Mode*, and one dedicated for the *Object Mode*.

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**Important :** When you quit Blender, the complete list of user actions will be lost, even if you save your file before quitting.

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#### Voir aussi :

Troubleshooting section on *Recovering your lost work* (page 29)

## 1.4 Configuring PDF rendering

If you want docs.typo3.org to generate a PDF file out of your documentation project, your documentation project must have a file `Settings.yml` (located at the root of your Documentation/ folder). Make sure this file, inside a block for `conf.py`, at least contains the following configuration options (lines 6 to 15); in this example taken from the TYPO3 extension “sphinx” :

```

1 conf.py:
2 copyright: 2013-2014
3 project: Sphinx Python Documentation Generator and Viewer
4 version: 2.1
5 release: 2.1.0
6 latex_documents:
7     - - Index
8         - sphinx.tex
9         - Sphinx Python Documentation Generator and Viewer
10        - Xavier Perseguers
11        - manual
12 latex_elements:
13     papersize: a4paper
14     pointsize: 10pt
15     preamble: \usepackage{typo3}
```

Lines 7 to 11 define options for value `latex_documents` which determines how to group the document tree into LaTeX source files. This is a list of tuples : `startdocname`, `targetname`, `title`, `author`, `documentclass`, where the items are :

**startdocname** Document name that is the “root” of the LaTeX files. All documents referenced by it in TOC trees will be included in the LaTeX file too.

**Avertissement :** Always use Index here.

**targetname** File name of the LaTeX file in the output directory.

**Avertissement :** Always use your extension key followed by .tex here.

**title** LaTeX document title. This is inserted as LaTeX markup, so special characters like a backslash or ampersand must be represented by the proper LaTeX commands if they are to be inserted literally.

**author** Author for the LaTeX document. The same LaTeX markup caveat as for *title* applies. Use \and to separate multiple authors, as in : 'John \and Sarah'.

**documentclass** Normally, one of `manual` or `howto` (provided by Sphinx).

---

**Astuce :** To keep TYPO3 branding, you should always use `manual` here.

---

Lines 12 to 15 should be kept as they are. Especially the exact content of line 15 is important : This code actually is the "trigger" for PDF rendering.

When activated, your PDF automatically gets rendered on <https://docs.typo3.org> under `https://docs.typo3.org/typo3cms/extensions/extension-key/_pdf/`. E.g., [https://docs.typo3.org/typo3cms/extensions/sphinx/\\_pdf/](https://docs.typo3.org/typo3cms/extensions/sphinx/_pdf/).

(Information taken from the [documentation of the sphinx extension<sup>4</sup>](#) by Xavier Perseguers.)

## 1.5 Commandes GIT

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### 1.5.1 Récupérer des fichiers supprimés en local

#### Avant

- On est dans le repo `edx-sphinx-theme`, à récupérer avec git par la commande suivante :

```
$ git clone https://github.com/edx/edx-sphinx-theme.git
```

- on a modifié des fichiers ... et surtout, supprimé quelque uns ...

#### Pendant

On cherche donc à retourner à l'état original du répertoire local.

Il n'y a plus qu'à exécuter cette commande pour connaître les fichiers supprimés en local :

4. <https://docs.typo3.org/typo3cms/extensions/sphinx/WritersManual/DocsTypo3Org/Index.html#pdf-rendering>

```
$ git ls-files --deleted
```

retourne :

```
1 edx_theme/static/font/fontawesome_webfont.eot
2 edx_theme/static/font/fontawesome_webfont.svg
3 edx_theme/static/font/fontawesome_webfont.ttf
4 edx_theme/static/font/fontawesome_webfont.woff
```

En exécutant la commande suivante :

```
$ git checkout -- edx_theme/static/font/*
```

On récupère d'un coup toutes les polices que l'on avait accidentellement supprimé.

### 1.5.2 Télécharger un seul fichier depuis un dépôt distant Github

- Open the file in the browser
- click on “Raw” button
- Now refresh your browser, copy the url
- and do a wget or curl on it.

wget example :

```
wget https://github.abc.abc.com/raw/abc/folder1/master/folder2/myfile.py?
token=DDDDnkI92Kw8829jhXXoxBaVJIYW-h7zks5Vy9I-wA%3D%3D -O myfile.py
```

```
wget https://raw.githubusercontent.com/TYPO3-Documentation/TYPO3CMS-Book-
ExtbaseFluid/Documentation/Targets.rst
```

Curl example :

```
curl https://example.com/raw.txt > savedFile.txt
```

### 1.5.3 Module structure

Each module is a directory within a *module directory*. Module directories are specified

---

**Astuce :** most command-line options can also be set using

---

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The *Lesson selector* will show up. quoique *Plugins* → *Lessons* → *Start Lesson* marche aussi

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Fig. 1.17 : Belle figure 01 caption

a reference to *Belle figure 01 caption* (page 18) would insert a reference to the figure with link text “Belle figure 01 caption”.

#### 1.5.4 Usage

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## Start lessons

1. To open a lesson, go to *Plugins → Lessons → Start Lesson*. The *Lesson selector* will show up.
2. If Boundless Connect plugin was configured to use a local directory-based repository instead of the remote one, then you don't need to enter any credentials, and you can go directly to *Plugins → Manage and install plugins*.
3. The lessons are organized in groups. If necessary, click the cross next to the group's name to expand its lessons list.
4. The following buttons compose the button bar :
  - **Move to next step** - To go to the next lesson's step.
  - **Run step** - Helps performing the steps instructions (not always available).
  - **Restart lesson** - Resets the project and cleans all the lesson's progress made so far.

Even few steps below, a reference to *Belle figure 01 caption* (page 18) would insert a reference to the figure with link text "Belle figure 01 caption".

## Remotes

Remotes are “remote repositories” which can be fetched from and pushed to. Remotes can be listed with `git remote` and a local repository can have any number of remotes. The setup script creates 2 remotes :

**odoo** the official repository and main branches, roughly corresponds to the old “main-line” branches in bazaar. You should never need to push to it, and by default your local copy is configured to forbid it.

Plots	Data Sources	Ranges	Annotations	Guides		
Plot	ColumnDataSource data	Range1d start end	Legend	LinearAxis		
GMapPlot	BlazeDataSource url	DataRange1d start end sources columns rangepadding	LogAxis	BasicTicker		
GridPlot	AjaxDataSource url format	FactorRange values	DatetimeAxis	LogTicker		
Annotations						
Guides						
Glyps						
AnnularWedge	Annulus	Arc	Bezier	Gear		
inner_radius outer_radius start_angle end_angle <i>line properties</i> <i>fill properties</i>	inner_radius outer_radius start_angle end_angle <i>line properties</i> <i>fill properties</i>	radius start_angle end_angle <i>line properties</i>	x0 y0 x1 y1 cx0 cy0 cx1 xy1 <i>line properties</i>	x y <i>line properties</i>		
ImageURL	Line	MultiLine	Oval	Image	ImageRGBA	
url x y width height angle	x y <i>line properties</i>	xs ys <i>line properties</i>	x y width height angle <i>line properties</i> <i>fill properties</i>	image rows cols x y dw dh palette	image rows cols x y dw dh	
Quadratic	Ray	Rect	Segment	Text	Quad	
x0 y0 x1 y1 cx cy <i>line properties</i>	x y angle length <i>line properties</i>	x y width height angle <i>line properties</i> <i>fill properties</i>	x0 y0 x1 y1 <i>line properties</i>	x y angle <i>text properties</i>	radius start_angle end_angle <i>line properties</i> <i>fill properties</i>	
Marker Glyps						
Asterisk	Circle	CircleCross	CircleX	Cross	Diamond	
x y size <i>line properties</i> <i>fill properties</i>	x y size radius <i>line properties</i> <i>fill properties</i>	x y size <i>line properties</i> <i>fill properties</i>	x y size <i>line properties</i> <i>fill properties</i>	x y size <i>line properties</i> <i>fill properties</i>	x y size <i>line properties</i> <i>fill properties</i>	
InvertedTriangle	Square	SquareCross	SquareX	Triangle	X	
x y size <i>line properties</i> <i>fill properties</i>	x y size angle <i>line properties</i> <i>fill properties</i>	x y size <i>line properties</i> <i>fill properties</i>	x y size <i>line properties</i> <i>fill properties</i>	x y size <i>line properties</i> <i>fill properties</i>	x y size <i>line properties</i>	
Gesture Selection Tools				Passive Inspector Tools		
BoxSelectTool	LassoSelectTool	PolySelectTool	TapTool	CrosshairTool	HoverTool	
drag	drag	click/tap	click/tap	passive	passive	
Toolbar Actions					Gesture Interactor Tools	
ResetTool	SaveTool	BoxZoomTool	PanTool	WheelZoomTool	ResizeTool	
button/action	button/action	drag	drag	scroll/pinch	drag	

**odoo-dev** a grab-bag of development branches, you can push your work to it so other coworkers can work with you.

## Branches

The working copy and each remote contain multiple branches. Local branches can be listed by `git branch`, remote branches can be listed with `git branch -r`. Both types can be listed with `git branch -a`.

Work is only possible on local branches, even though it's possible to check out a remote branch work on it will be lost.

## Staging

`bzr commit` takes all alterations to the working copy and creates a commit from them. Git has an intermediate step called "staging". `git commit` will create a commit from what has been staged, not from the working copy. Staging is done with `git add`. A commit with nothing staged is a null operation.

**Avertissement :** It's possible for a single file to have changes in both the index and working copy : if a file is altered, staged and altered again, the second set of change has to be staged separately

## SHA1

Git has no sequential identifier, each commit is uniquely identified by a SHA (40 hexadecimal characters) roughly corresponding to a bazaar revision-id. Providing the full sha is rarely necessary, any unique leading substring is sufficient, e.g. dae86e will probably stand in for dae86e1950b1277e545cee180551750029cfe735.

### 1.5.5 Basic development workflow

- update your remotes with `git fetch --all`
- create your development branch with `git checkout -b <branch_name> <source_branch>`. For instance if you wanted to add support for full-text search in master you could use `git checkout -b master-fts-xxx odoo/master`
- do your changes, stage them with `git add` and commit them with `git commit`
- if your branch is long-lived, you may want to update it to its parent
  - update the remotes with `git fetch --all`
  - merge the remote branch into the local one with `git merge --no-ff odoo/master`
- to push the branch to the development repository, use `git push -u dev <branchname>`, this will automatically create a branch called `<branchname>` on dev. Next time around you do not have to use `-u`
- once the feature is done, create a pull request

## 1.5.6 Minimizing images

Optimize image compression where possible. For PNG files, use OptiPNG and AdvanceCOMP's advpng :

```
$ cd docs/
$ optipng -o7 -zm1-9 -i0 -strip all `find . -type f -not -path "./_build/*" -
  -name "*.png"`
$ advpng -z4 `find . -type f -not -path "./_build/*" -name "*.png"`
```

## 1.5.7 Using GitHub pages

This is the option I will describe in some detail, since it may be a little involved and also I haven't tried this yet, myself.

First, create a new *empty* repository with no README on GitHub<sup>5</sup>. Let's call it *site*. Now, clone the repository :

```
git clone https://github.com/amitsaha/site.git
Cloning into 'site'...
warning: You appear to have cloned an empty repository.
```

Create a gh-pages branch in your repository and switch to it :

```
git checkout -b gh-pages
```

Now, copy *all* the files and directories in html directory to this directory :

```
git add -a
git commit -m "first commit of static HTML"
```

Now, push the gh-pages branch to the remote repository :

```
git push origin gh-pages
```

Once that is complete, you can now go to the URL : <http://github-user-name.github.com/site> to see your pages. See this<sup>6</sup> page as an example.

You can of course now have multiple directories in the site repository and then you can host a different set of static pages.

For example, "demo" dir

Now, let us say that you want to store your HTML files in a separate directory, called demo:

```
mkdir demo
```

Now, copy *all* the files and directories in html directory to this directory.

Add the demo directory to Git and commit the changes :

```
git add demo
git commit -m "Created "demo" dir and first commit of static HTML in demo"
```

Now, push the gh-pages branch to the remote repository :

```
git push origin gh-pages
```

---

5. <http://www.github.com>

6. <http://amitsaha.github.com/site/demo>

## 1.5.8 Flutuat nec mergitur 1

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### **1.5.10 Flutuat nec mergitur 3**

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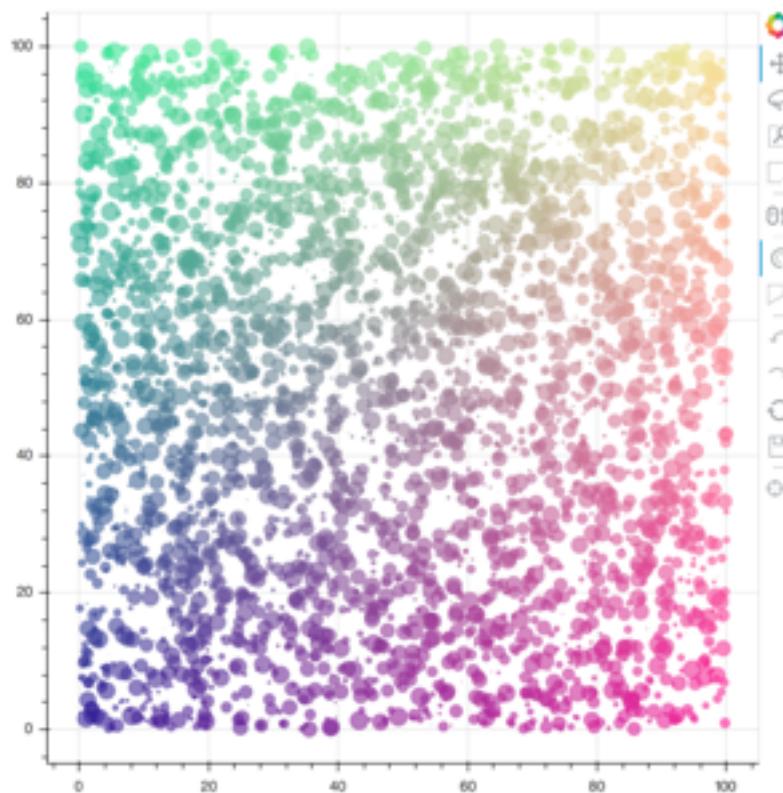
## AutoCAD : Tutoriel 02

Auteur de la section : Olivier TURLIER

- *An introduction for web designers* (page 30)
- *From common CMS to Odoo* (page 30)
- *Flutuat nec mergitur 1* (page 30)

Odoo celebrates freedom. Freedom for the designer to go further and freedom for the user to customize everything according to their needs.

Ready to create your own theme? Great. Here are some things you should know before you begin. This tutorial is a guide to creating an Odoo theme.



## 2.1 An introduction for web designers

If you are a web designer using Odoo for the first time, you are in the right place. This introduction will outline the basics of Odoo theme creation.

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**Note :** Odoo's team has created a framework that's powerful and easy to use. There's no need to know special syntaxes to use this set of tools.

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## 2.2 From common CMS to Odoo

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**Note :** If you always think and work in the same way, you'll probably get the same results. If you want something completely new, then try something different.

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## 2.3 Flutuat nec mergitur 1

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### **2.3.1 Flutuat nec mergitur 2**

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