



LibreOffice

The Document Foundation

Contributors' Guide

Chapter 2 *Producing LibreOffice* *User Guides*

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Introduction

This document is for anyone working on the LibreOffice user guides, which are produced using LibreOffice for distribution in .ODT, .PDF, and possibly other forms such as ePub, wiki, or HTML. It assumes some familiarity with Writer (the word processor).

How to set up LibreOffice for working with user guides

When working on the user guides, you may need to change a few option settings in LibreOffice. You also need to download and install some files, and you may wish to create some AutoText and Table AutoFormat entries.

Change General options

The setting for one General option (Use LibreOffice dialogs) is important for consistency when reviewing user guides and capturing some screens. Because the layout and appearance of default Open and Save dialogs vary with the user's operating system, but the LibreOffice dialogs are the same regardless of the operating system, our guides use the LibreOffice dialogs in illustrations.

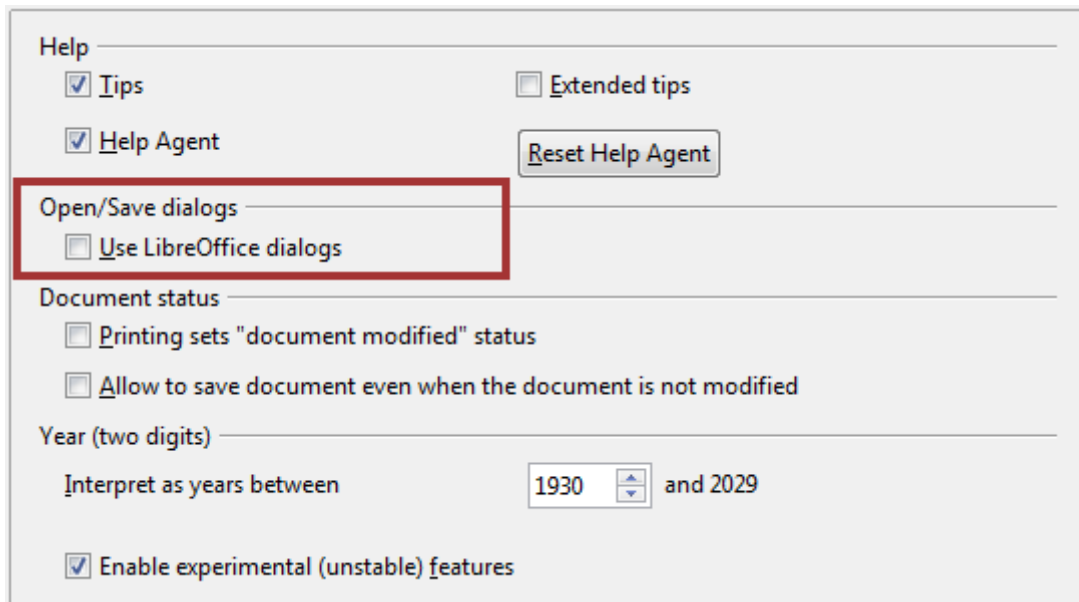


Figure 1: Choosing the LibreOffice dialogs in General settings

Change View options

The setting for one View option (Icon size and style) is important for consistency when capturing screens to illustrate our documents; another setting is a matter of personal preference.

Go to **Tools > Options > LibreOffice > View** and make sure the choices for *Icon size and style* in the User Interface section near the top are set to **Small, Galaxy (default)**.

A text or graphics selection is indicated by a pale background. You can adjust the transparency of the background by changing the percentage given for the **Transparency** option under *Selection*. If you prefer reversed color (typically white text on a black background), deselect the **Transparency** option.

If you are using Ubuntu and the icon style drop-down list does not show Galaxy as one of the choices, go into the Synaptic package manager and install the libreoffice-style-galaxy package.

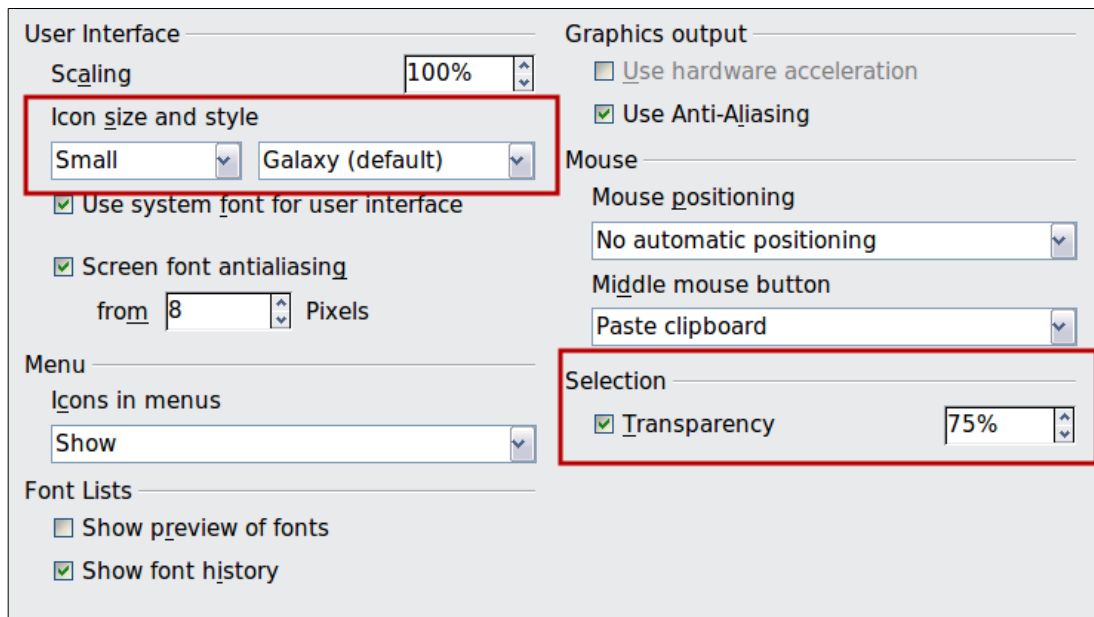


Figure 2: Choosing View options for working with LibreOffice user guides.

Change Memory options

User guide chapters often contain a lot of images, and a full book may have several hundred. When you open one of these documents in LibreOffice, you may discover that images seem to disappear from the document. In most cases, the images are still in the file even if you cannot see them on screen or in a PDF created from the file. (See also “Change Load/Save options” on page 7.)

The “invisible images” problem can usually be cured by changing the default memory settings for LibreOffice, to make more memory available to LibreOffice, to increase the time that objects remain in memory, and to increase the number of cached objects. To offset the extra memory needed for large numbers of objects, you can usually decrease the memory for each object (images in our documents are typically less than 1 MB) and decrease the number of Undo steps.

Note

Be aware that choices made for memory allocated to LibreOffice can affect the performance of other programs, but most modern computers have enough memory that this is unlikely to be a problem. Also, the best settings for working with our user guides may not be the best settings for other documents that you work on, if those other documents contain larger objects.

To change memory settings, go to **Tools > Options > LibreOffice > Memory**.

Here are some suggested settings for working with LibreOffice user guide files:

- Undo
 - Number of steps: 20
- Graphics cache
 - Use for LibreOffice: 250 MB
- Memory per object: 1.0 MB
 - Remove from memory after: 1:10 hh:mm
- Cache for inserted objects
 - Number of objects: 250



Figure 3: Choosing Memory options for working with LibreOffice user guide files

Change Load/Save options

In addition to images that may not be visible but are still in the file (discussed in the previous section), some images may actually be deleted when the file is being saved. This is a known bug. Experimentation suggests that the problem can often be avoided by turning off the AutoRecovery (autosave) feature and/or the automatic backup feature.

Go to **Tools > Options > Load/Save > General** and deselect **Save AutoRecovery information every**. You may wish to also deselect **Always create backup copy**.

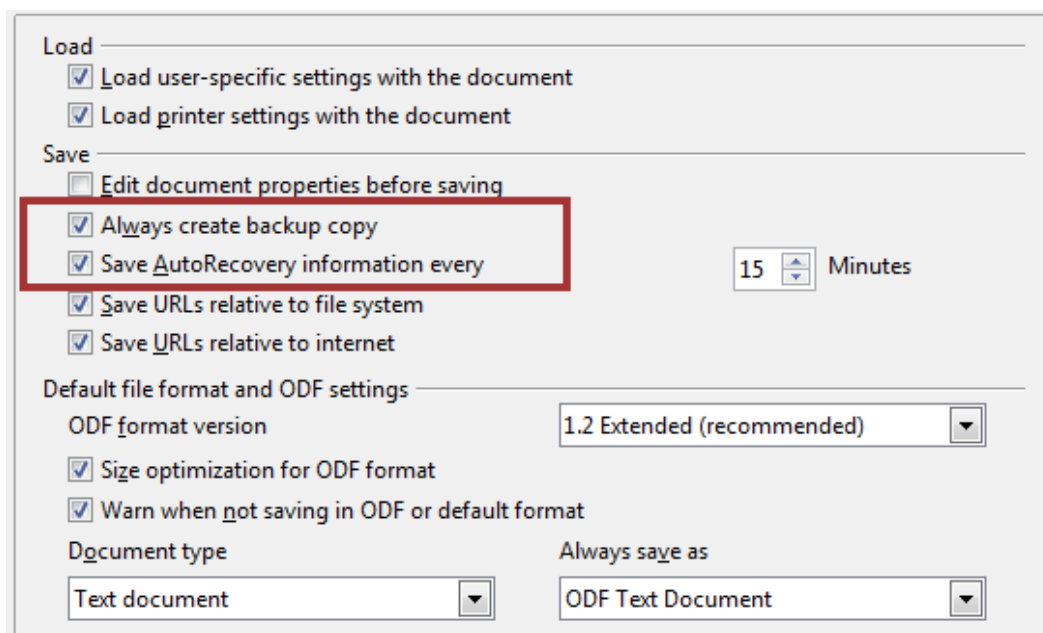


Figure 4. Choosing Load and Save options

Download and install the chapter template

The template we use when writing chapters of the user guides (LibO3_4_chapter_template.ott) is located in <http://www.odfauthors.org/libreoffice/english/resources-for-contributors>.

- 1) Download the template and save it anywhere on your computer. (See Caution and Note below.)

- 2) Now import the template into a LibreOffice template folder:
 - a) Choose **File > Templates > Organize** from the menu bar.
 - b) In the Template Management dialog, select the folder into which you want to import the template. Usually this is *My Templates*.
 - c) Click the **Commands** button and choose **Import Template** from the drop-down menu. A standard file browser window opens.
 - d) Find and select the template that you just downloaded and click **Open**. The file browser window closes and the template appears in the selected folder.

Caution



At step 1, if your web browser gives you a choice of *Open with LibreOffice* or *Save File*, choose **Save File**. Otherwise, the template opens as an untitled ODT (text) file; if you then save this file, it is saved as an ODT file, not as an OTT (text template) file.

Note

At step 1, you can save the template directly into the template folder and skip the rest of the steps. To find the location of the template folder on your computer, go to **Tools > Options > LibreOffice > Paths** and look in the *Paths used by LibreOffice* box on the right; the folder listed there usually has several sub-folders.

Download and install the Template Changer extension

The Template Changer extension can make some work much easier, so we recommend you install it while setting up LibreOffice to work on the user guides. It's in <http://www.odfauthors.org/libreoffice/english/resources-for-contributors>.

Using Template Changer, you can assign a new template to the current document or to a folder of documents. All styles and formatting will be loaded from that template and the document will behave as it was created using that template.

- 1) Download the Template Changer extension (TemplateChanger.ott) and store it anywhere on your computer.
- 2) In LibreOffice, choose **Tools > Extension Manager**.
- 3) Click the **Add** button on the Extension Manager. A standard file browser opens.
- 4) Find and select the extension you just downloaded and click **Open**.
- 5) You will be asked to accept a license agreement.
- 6) When the installation is complete, the extension is listed in the Extension Manager.
- 7) Close the Extension Manager.
- 8) To activate the Template Changer, close LibreOffice and reopen it. You will now find two new items in the **File > Templates** menu for Writer: *Assign template (Current document)* and *Assign template (folder)*.

(If necessary) Download and install the Liberation fonts

The LibreOffice user guides use Liberation fonts. If these are not present on your computer, you need to download and install them. To make this easier, we have put a file containing these fonts in the Resources section the ODFAuthors website.

- 1) Download `liberation-fonts-ttf-1.07.1.tar.gz` from <http://www.odfauthors.org/libreoffice/english/resources-for-contributors>.
- 2) Decompress this file, which contains a folder of .ttf (TrueType Font) files.
- 3) Install the font files, using the procedures appropriate to your operating system. On Windows and Mac OS X, this can be done by double-clicking on the font name and then

clicking the **Install Font** button on the window that opens. If you know where fonts are stored on your system, you can also copy the font files into the appropriate folder; on Linux, copying font files into the appropriate folder is the standard way to install them.

When you next open LibreOffice, the fonts should be available for your use.

(Optional) Download and install the LO Docs Team .bau file

Tips, Notes, and Cautions use tables for layout. In addition, we include tables of data. The chapter template provides examples of these tables. You can copy and paste these tables as needed, but you may find it easier to insert them using AutoText. With AutoText, once you have set up the entries, you just have to type the shortcut (for example, *tip* or *note*) and press *F3* to insert one. The formatting of the table (column widths, text, and any graphics) is preserved. You can then add or change anything you want in the table.

We have collected some AutoText entries into a .bau (AutoText) file which you can download and install on your computer. If you prefer, you can create the same AutoText entries yourself, as described in the following section.

The format of .bau files is independent of the operating system. These files can be copied from one computer and pasted into the appropriate place on any other computer.

To install the LibreOffice Documentation Team's .bau file, follow these steps:

- 1) Download the LO.bau file from <http://www.odfauthors.org/libreoffice/english/resources-for-contributors>.
- 2) Find where LibreOffice stores the .BAU files on your computer. (See "Finding the location of AutoText files" below.)
- 3) Paste the file into your personal AutoText folder located in step 2.

The next time you open the AutoText dialog, you will see the LO entries, as shown in Figure 5.

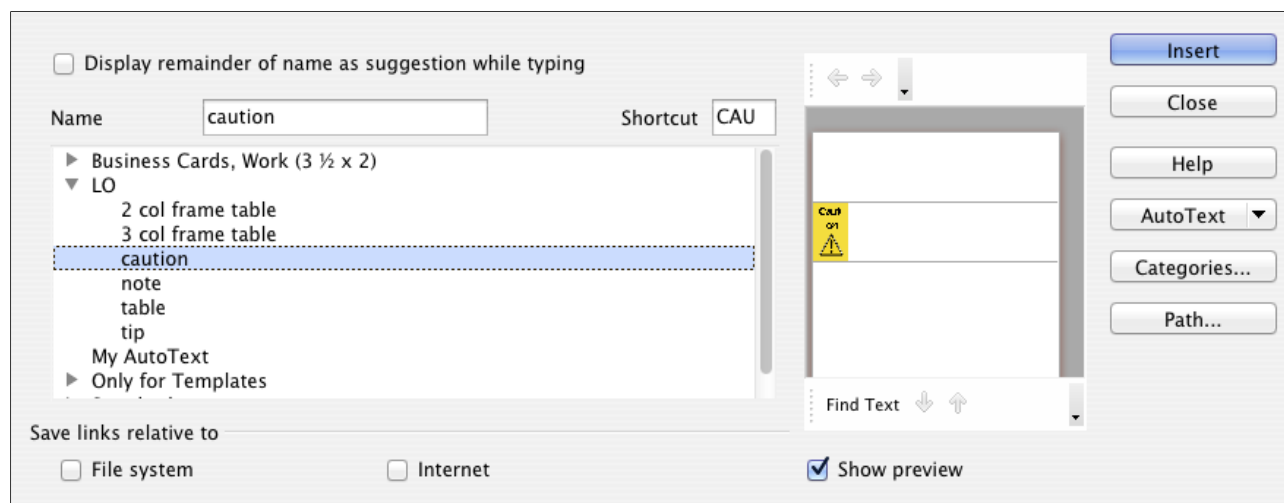


Figure 5: AutoText dialog, showing the LO AutoText entries

Finding the location of AutoText files

LibreOffice has two AutoText folders: one in the personal settings folder of LibreOffice, and the other in the installed folder of LibreOffice. To find the exact path for the .bau files, open the AutoText dialog (**Edit > AutoText** from the menu bar in the main LibreOffice window) and click the **Path** button on the lower right. The Select Paths dialog shows the paths where the AutoText entries are located in .bau files. Each path has a different purpose.

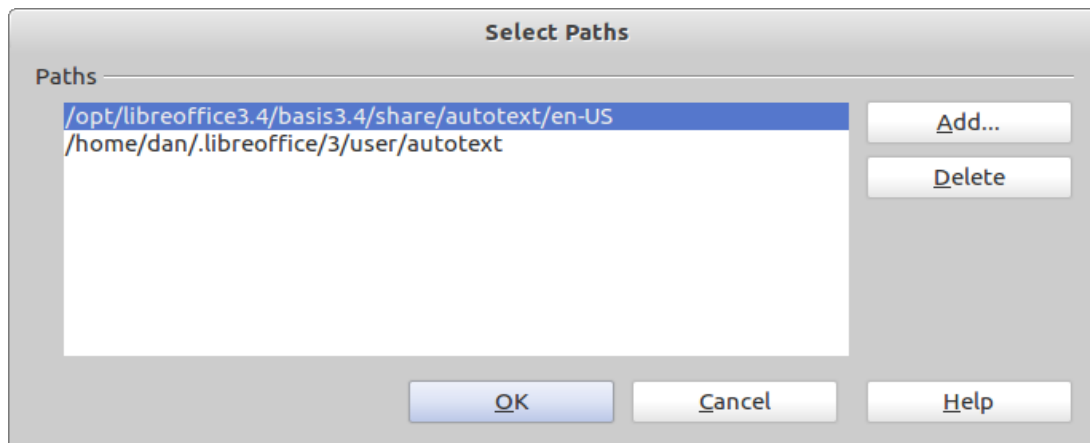


Figure 6: Select Paths dialog

Path within the Installation folder

The top path shows the location of the .bau files that are in the installed LibreOffice folder. These AutoTexts were part of the installation. The illustration is for a Linux installation of LibreOffice. The corresponding path for Windows is C:\Program Files\libreoffice3.4\basis3.4\share\autotext\en-US. For the Mac, it is /Applications/LibreOffice/Content/basis3.4/share/autotext/en-US.

Each path ending with en-US has a common characteristic: you must have administrative rights to place a .bau file in the en-US folder. This folder is generally used when LibreOffice is installed on a server in a workgroup situation where everyone can access the same files. Clearly, this is not the case with the LibreOffice Documentation Team.

Path within the personal settings folder

The bottom path is the one you want. Regardless of the operating system, the path will end with .../user/autotext (on Windows it ends with ...\.user\autotext). The path in Windows begins with C:\Documents and Settings. On a Mac, the path begins with your login name followed by /library/Application Support. On Linux, the path is /home/[user name]/.libreoffice/3/share/autotext. This is a hidden folder, so you need to make hidden folders visible before you can find it.

Create AutoText entries for Tip, Note, Caution, and data tables

If you prefer not to install the LO.bau file (as described in the previous section), you can create the same AutoText entries yourself.

As an example, here is how to set up an AutoText entry for a Note:

- 1) Open the chapter template in LibreOffice. Go to the last page, where you will find samples of a tip, a note, and a caution. (A sample data table is on page 13 of the template.)
- 2) Select the entire Note table.
- 3) Press **Ctrl+F3**, or choose **Edit > AutoText** from the menu bar, to open the AutoText dialog.
- 4) In the list of AutoText categories, select **My AutoText**. Type *Note* (or any name of your choice) in the *Name* box. LibreOffice suggests *N* as the Shortcut; you may wish to change this, for example to *Note*.
- 5) Click the **AutoText** button on the right and choose **New**. The Note table is saved as AutoText.
- 6) Click **Close** to close the AutoText dialog and return to the document.

Repeat for a Tip table, a Caution table, and a data table.

Create AutoFormats for Tip, Note, Caution, and data tables

When you are applying the template to existing material, you may need to reformat some of the Tip, Note, Caution, or data tables. To do this quickly and accurately, you can apply table AutoFormats that you have previously defined. (AutoText does not work for this purpose.)

To define a table autoformat:

- 1) Select the example table (tip, note, caution, or data) in the chapter template.
- 2) Choose **Table > AutoFormat** from the menu bar.
- 3) On the AutoFormat dialog, click the **Add** button.
- 4) In the pop-up dialog, type a name for the table format, for example *LOData*. Click **OK**. The table format is now listed in the AutoFormat dialog.

To apply a table autoformat:

- 1) Click anywhere in the table you wish to reformat.
- 2) Choose **Table > AutoFormat** from the menu bar.
- 3) On the AutoFormat dialog, select the format you wish to apply. Click **OK**.

How to create a new chapter from the template

To create a new document from the chapter template:

- 1) Do one of the following to open the Templates and Documents dialog:
 - From the Start Center, choose **Templates**.
 - From the menu bar, choose **File > New > Templates and Documents**.

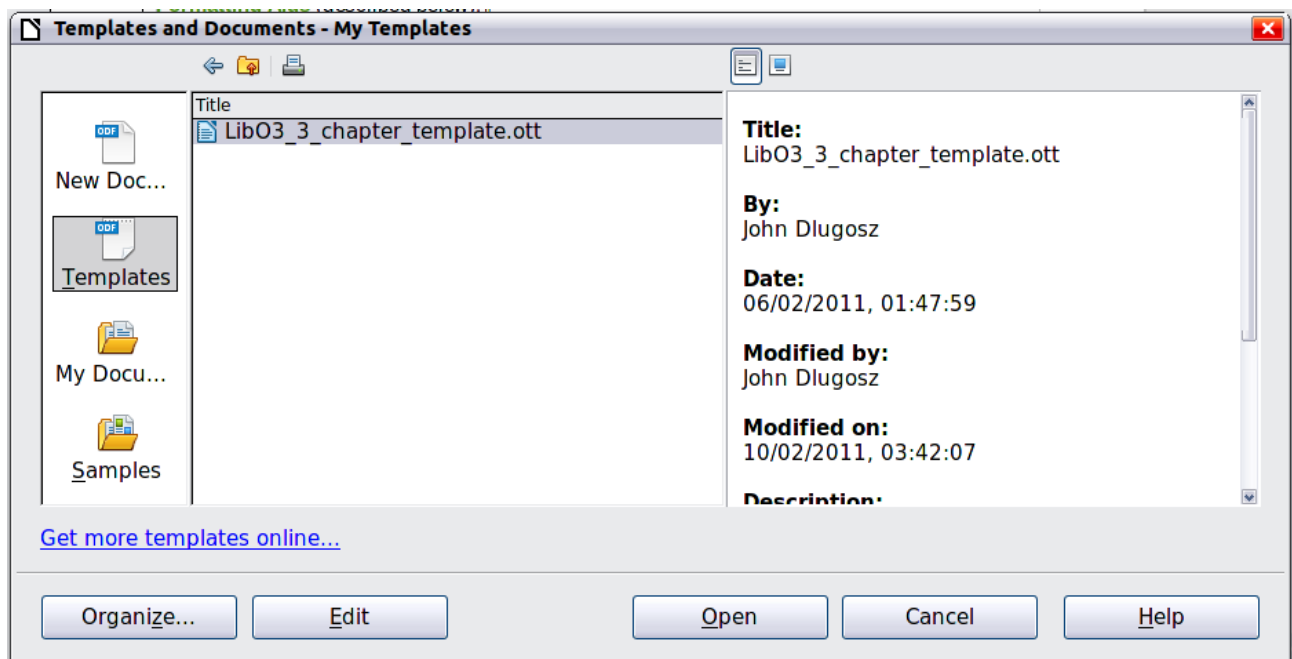


Figure 7: Creating a new document from the LibreOffice chapter template

Note

If a document is already open, you can also open this dialog from the down-arrow next to the **New** icon on the Standard toolbar. In Windows, you can also use the Quickstarter in the System Tray; choose **Templates and Documents**.

- 2) In the box on the left of the Templates and Documents dialog, click the Templates icon if it is not already selected. A list of template folders appears in the center box.
- 3) Double-click the folder that contains the LibO3_4_chapter_template. (In our example, it is *My Templates*.)
- 4) Select the **LibO3_4_chapter_template** template and click **Open**. A new document based on the LibO3_4_chapter_template opens in Writer.

The new document includes all the text and graphics contained in the template. Much of this material must be modified or deleted, as follows:

- 1) On the title page:
 - Change [Component] to the name of book this chapter will be in, for example Getting Started, Calc, Writer. If you are using the template for some other document (such as a HowTo or Tutorial) that is not part of a user guide, delete the words [Component Guide] but leave the paragraph marker so the rest of the text on the page is spaced out correctly.
 - Change *n* to the chapter number. Make sure the chapter number retains the character style of OOoChapterNumber. One way to do this is to highlight the *n* and type the number to replace the *n*. Do not delete the two blank spaces after the chapter number; they are required for correct spacing of text in the footer in a compiled book.
 - Change *Type Chapter Name Here* to the name of the new chapter.
- 2) Choose **File > Properties** and go to the *Description* page. In the *Title* field, replace *LibO3_4_chapter_template.ott* with the name of the chapter that you put on the title page. Delete the template revision information in the *Comments* box. Click **OK**.
- 3) On the Copyright page:
 - For a new chapter, change *2011* to the current year, if necessary.
 - Add your name in the *Contributors* section.
 - Add anything you wish to the *Acknowledgments* section (optional).
 - In the *Publication date and software version* section, replace [N.n] with the version of LibreOffice used for this chapter.
 - Other changes to the page will be made later.
- 4) We recommend that you read the template document before beginning to write; it explains what styles to use for what purpose. You may wish to retain some or all of the contents for reference while you are writing and delete them only when ready to upload the chapter for review. This information is also in Chapter 6, Using the LibreOffice Chapter Template, of this *Contributors' Guide*.
- 5) If you have not made AutoText entries from the Tip, Note, Caution, and data tables, now is a good time to do that. Otherwise, you may wish to keep those examples in the file so you can copy them as needed.

Before you continue, save the file using the naming convention for chapters given on page 25.

Just before uploading a chapter for review, do these things:

- 1) Update the table of contents: hover the mouse cursor over the TOC, right-click, and choose **Update Index/Table** from the context menu.
- 2) On the Copyright page, in the *Publication date and software version* section, replace [date] with the current date.

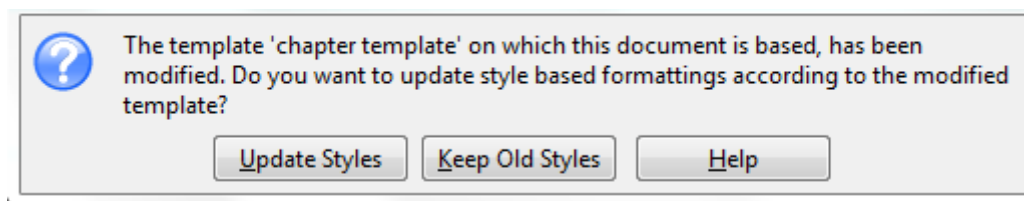
How to update the chapter template from the website

When the chapter template is updated, a note will be sent to the Documentation mailing list. It is a good idea to get a copy of the revised template to replace the one on your computer.

If you have been away for awhile or don't check the Documentation list very often, you may wish to check whether you have the latest version of the template and update it on your computer.

How to update a chapter from a changed template

After you have the updated template correctly installed on your computer, the next time you open a document that was created from the template, the following message appears.



Click **Update Styles** to apply the template's changed styles to the document. Click **Keep Old Styles** if you do not want to apply the template's changed styles to the document. Whichever option you choose, the message box closes and the document opens in LibreOffice.

Caution



If you choose **Keep Old Styles** in the message box shown above, that message will not appear again the next time you open the document after changing the template it is based on. You will not get another chance to update the styles from the template, but you can use the Template Changer extension to reactivate the connection to the template, as described below.

Reactivating a template using the Template Changer extension

- 1) Be sure the Template Changer extension is installed on your computer. See page 8 for instructions.
- 2) In Writer, open the document that you want to connect to the updated template.
- 3) Choose **File > Templates > Assign template (current document)** from the menu bar.
- 4) In the Select Template dialog, choose the template *LibO3_4_chapter_template.ott*. The dialog should open to the correct template folder, but if it does not, you can browse to the correct folder.
- 5) Click **Open**. The template is attached to the document. You may not see any change in the document itself.
- 6) Save the document.

How to create images for LibreOffice user guides

Images may be screen captures, photographs, or graphics (such as diagrams) created in Draw or another program.

This section describes how to create images that show what the reader needs to know, can be read easily on screen and when printed in black-and-white (good contrast), do not use unnecessarily large amounts of ink or toner when printed, and are unchanged when exported to a variety of file formats.

Screen captures

Members of the Documentation team use a variety of operating systems and desktop themes (color schemes), but we want the images in our user guides to look reasonably consistent. Here are some suggestions for creating consistency.

- Avoid making screen captures from Windows. First choice for screen captures is Ubuntu or other Linux distros. Most dialogs can also be captured from Mac OS X.
- Use a neutral (primarily grey or similar) theme with high contrast. Please do **not** use bright or operating-system specific colours such as blue, purple, or green. Ubuntu users, please see below for a recommended theme setup.
- Use the **Galaxy** icon set (in **Tools > Options > LibreOffice > View**), *not* Automatic (which can vary with your operating system). On the same page, set Icon size to **Small**.
(If you are using Ubuntu and the icon style drop-down list does not show Galaxy as one of the choices, go into the Synaptic package manager and install the libreoffice-style-galaxy package.)
- Capture only the required dialog or other area, or crop the image after capturing it. If you include the mouse pointer, be sure it is pointing to a relevant item, not randomly positioned.
- Read the text carefully to ensure you set up any data that should be shown and have marked any selections (such as checkboxes or radio buttons) that are discussed. If the image is supposed to show the dialog before you make changes, be sure it does not show the results instead. Here are some examples of images that do *not* match the text and need to be redone: <http://www.jeanweber.com/newsite/?p=208>.
- We rarely need to capture the full LibreOffice window, except for the introductory chapters where the parts of the window are labelled and described. When a full window is required, reduce its size as much as possible (while retaining essential information) and then capture the image. In some cases (such as the dialog for customising a Table of Contents), the optional Preview section can be deselected.

Theme setup for Ubuntu users

We had a specialized theme (called "XP Silver") for use in earlier versions of Ubuntu with Gnome 2. After upgrading to Ubuntu 11.10 (Gnome 3), the "XP Silver" theme does not install.

An acceptable replacement theme is a combination of an GTK+ theme called "Adwaita" (shipped with Ubuntu 11.10) and a Ubuntu Window theme called Evolve, which must be downloaded and installed (instructions below). Note that using the Evolve GTK+ theme does not give the desired result (the contrast is not good enough).

To install the Evolve theme, follow the instructions on this page:

<http://browse.deviantart.com/customization/skins/linuxutil/desktopenv/gnome/gtk3/#/d4dn66o>

Ubuntu 11.10 users can install it using the commands below.

```
sudo add-apt-repository ppa:webupd8team/themes
sudo apt-get update
sudo apt-get install evolve-gtk-theme
```

Now install the Gnome Tweak Tool:

```
sudo apt-get install gnome-tweak-tool
```

This creates an app called "Advanced Settings". Open that and (a) if necessary, select Adwaita as the GTK+ theme; and (b) change the Windows theme to Evolve.

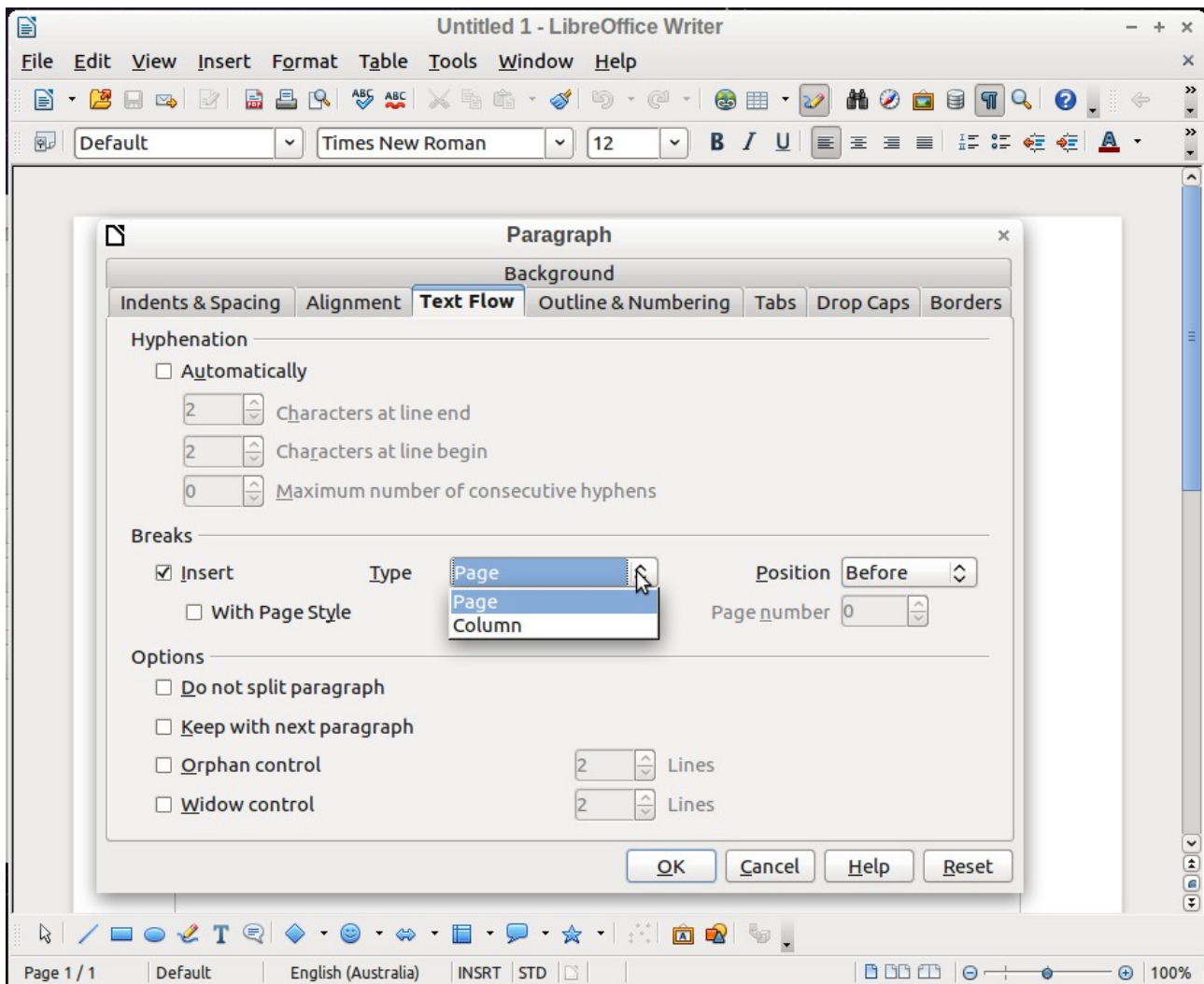


Figure 8: Sample screenshot using the Ubuntu theme described in the text

Cropping

Some screen captures can be used without further modification. Many, however, benefit from cropping (cutting off parts of the original image). There are two reasons for cropping: to fit an image on the page and still have the relevant parts readable, and to reduce wasted space and focus the readers' attention on a particular portion of the screen.

Some screen capture programs have a feature for choosing an area when you do the capture. You can also crop the images in a graphics package. Do not crop them in LibreOffice itself, because that cropping is not retained when the file is exported to MediaWiki, HTML, and possibly other formats (only PDF retains the cropping).

Here are some suggestions for choosing what to crop:

- Focus the readers' attention on the part being discussed, especially when the full dialog has already been shown and the text is referring to one particular part of it. Here is an example: <http://www.jeanweber.com/newsite/?p=236>.
- Remove blank space in dialogs that are of standard size but use only a small portion of the area for data or selections. In most cases, cutting off the bottom portion (with the standard OK, Cancel, and Next buttons) does not reduce readers' comprehension, especially when the full dialog has already been shown.

- Make a wide dialog (such as the **Tools > Options** one) fit on a page by cropping the portion that isn't essential to the discussion, for example the navigation tree on the left.

Annotation (labelling)

Use Draw or a graphics package to label screen captures, group and save the result as a single images so the labels are part of the image. Do not use Writer's drawing tools to label an image, because the labels will be lost or become disconnected from the screen capture when a file is exported to MediaWiki, HTML, or other formats.

To assist translators, label images without text (such as toolbars) using numbers, not words. Screen captures with text (such as dialogs) need to be recaptured by the translators anyway, so you can label them with text.

When creating labels:

- Use a line weight and font size and weight that will be compatible with the surrounding text when the image is at its final size in the document (images may be reduced in size when in the document).
- Use a white background for the area surrounding an image, when labels are outside the image. You can use a light color for the background of labels placed inside an image (to help them be noticeable), but choose a color that will print as pale grey in black-and-white.
- Ensure all numbers or words in the labels are lined up neatly.
- When labelling dialogs, it is usually best to put the labels above or below the image, not to the sides, to help fit the image on the Writer page. With small images, labels beside the image may work well or better; this is a matter of judgment.

Flowcharts and other diagrams

Do not use Writer's drawing tools to create flowcharts and other diagrams for use in published documents. These tools are fine for creating draft diagrams that will be replaced after review and editing, but they do not export well to some formats.

For diagrams to be published, use Draw or another program of your choice, and then export the diagram to PNG before including it in the Writer document. In addition, save the original as an editable file such as .ODG and upload it to the ODFAuthors website along with the chapter .ODT file.

When diagrams contain text, use a line weight and font size and weight that will be compatible with the surrounding text when the image appears in the document.

If a diagram needs color to improve its usefulness, choose colors that provide good contrast when printed in black-and-white (grayscale). Consider using hatching patterns. Be sure any text has good contrast with its background when printed in grayscale.

How to insert images into ODT files

To prevent images from moving around during editing (especially when you are adding or deleting text), please follow the procedure below.

Note

These instructions apply mainly to screenshots and other images that are large enough to put between paragraphs of text.

- 1) Have paragraph marks turned on (helps you to see what's happening).
- 2) Press **Enter** at the end of a paragraph to create a new blank paragraph.

- 3) Change the paragraph's style to **OOoFigure**. The paragraph marker should now be centered on the page.
- 4) Choose **Insert > Picture > From File** to insert the image, OR use drag and drop to insert the image.
- 5) When the image comes in, it is selected. Immediately right-click on it and choose **Anchor > As Character**.
- 6) With the image still selected, right-click again and choose **Caption**. Select **Figure** as the Category (if it shows anything else in that box) and type the caption. If **Figure** is not one of the choices, type the word **Figure** to create that category.
- 7) Click anywhere outside the frame to deselect it, then click in the caption line and change the paragraph style to **OOoFigureCaption**.
- 8) Click again on the image itself to select it. Right-click on it and choose **Anchor > As Character**.

Note

Not all images require figure numbers and captions. You can skip them when the figure is part of a step in a procedure or a small illustration to the side of some text, when (a) it's obvious what the figure illustrates and (b) the figure does not need to be cross-referenced from elsewhere in the text. See also the note in the section below.

How to cross-reference within a document

Do not type in cross-references to other parts of the document, because those references can easily get out of date if you reword a heading, add or remove figures, or reorganize topics. Instead, use Writer's automatic cross-references; when you update fields, all the references will update automatically to show the current wording or page numbers.

Note

We do not follow the practice that every figure and table must have a numbered caption and must be cross-referenced in the text. This is for practical reasons: cross-referencess have a tendency to randomly be mis-numbered when chapters are combined into a book. (We believe the problem is related to the convoluted history of many of our chapters, not a bug in LibreOffice.)

We recommend that you do not use a cross-reference any time that does not cause usability problems for the reader. For example, when the figure immediately follows the paragraph in which it is discussed and it is obvious which figure is being discussed, no cross-reference is needed.

Cross-referencing to figures, tables, headings, other items

The *Cross-references* tab of the Fields dialog lists some items, such as headings, numbered paragraphs, and bookmarks. If figure captions, table captions, user-defined number range variables, and some other items have been defined in a document, they also appear in the Type list. You can leave this dialog open while you insert many cross-references.

To insert a cross-reference to a heading, figure, or other item shown on the *Cross-references* tab:

- 1) In your document, place the cursor where you want the cross-reference to appear.
- 2) If the Fields dialog is not open, click **Insert > Cross Reference**. On the *Cross-references* tab, in the *Type* list, click the type of item you are referencing (for example, Heading or Figure).

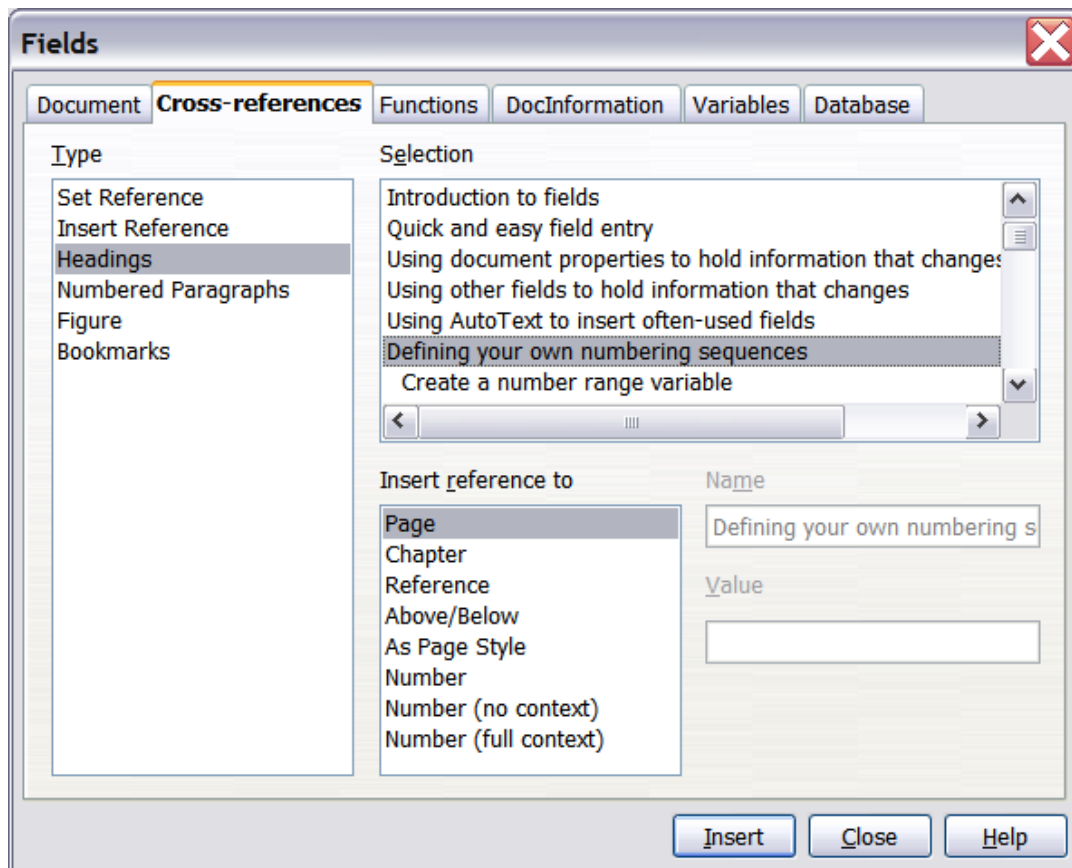


Figure 9: The Cross-references tab of the Fields dialog

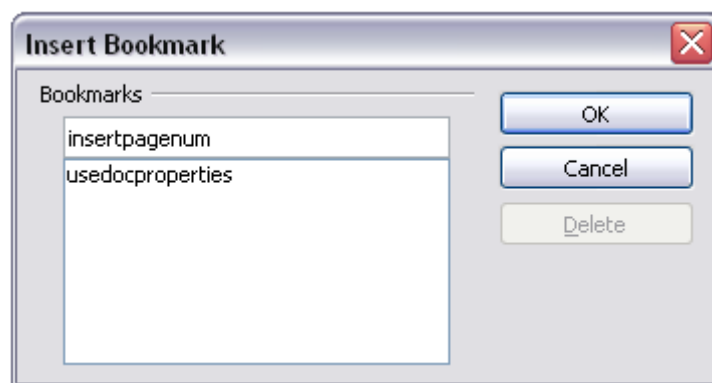
- 3) Click on the required item in the *Selection* list, which shows both automatically created entries (for example Headings) as well as user-defined references (for example bookmarks).
- 4) In the *Insert reference to* list, choose the type of reference required. The choices vary with the item being referenced.
 - For headings, usually you will choose **Reference** (to insert the full text of the heading) or **Page** (to insert the number of the page the heading is on).
 - For figures, you will usually choose **Category and Number** (to insert the word “Figure” and its number), **Page** (to insert the number of the page the figure is on), or **Numbering** (to insert only the figure number). We do not normally use *Reference* (to insert the word “Figure” with its number and the full text of the caption), *Above/Below* or the other choices.
- 5) Click **Insert**.

Cross-referencing to bookmarks

Occasionally you might want to insert a cross-reference to something that is not automatically shown on the Cross-references page. Before you can do that, you must prepare the item as a target to be referenced. We generally use bookmarks for this purpose.

- 1) Select the text you want to bookmark. Click **Insert > Bookmark**.
- 2) On the Insert Bookmark dialog, the larger box lists any previously defined bookmarks. Type a name for this bookmark in the top box. Click **OK**.

Now you can cross-reference to the bookmark as described in “Download and install the chapter template” on page 7.



How to cross-reference to another document

Writer provides methods for automatic cross-referencing to other documents (usually chapters in the same or different books), but we do not use them at this time. Instead, follow the instructions below.

- When referring to a chapter in the same book, use Chapter N, Chapter Title. Do *not* use italics for the chapter title.
- When referring to a chapter in another book, use Chapter N, Chapter Title, in the *[Component] Guide*. Here the book title is in italics.

In both cases, it's best to avoid referring to a section in the referenced chapter, because section names are more likely to change.

How to index a user guide chapter

An alphabetical index (referred to as an index) is a list of keywords or phrases used throughout a document that, if listed in order, may help the reader find information quickly. Generally an index is found in the back of book or document and lists several keywords or phrases in alphabetical order with page numbers.

We use the tools built into Writer to embed index entries into the chapter ODT files. Writer's tools are fairly easy (though tedious) to use. The difficult part, of course, is deciding what terms to include. Here is a checklist of things to consider when creating, reviewing, or editing an index: "Tips for indexing chapters" on page 22.

Adding index entries

To create (embed) some index entries in a chapter, follow these instructions:

- 1) Either highlight the word or phrase to add to the index or place the cursor at the beginning of the word or phrase. (If you want to add multiple words as one entry it will generally be better to highlight the entire phrase.)
- 2) Click **Insert > Indexes and Tables > Entry** to display a dialog similar to that shown below. You can accept the word or phrase shown in the *Entry* box or change it to whatever you want. If you placed the cursor at the beginning of a word, clicking on the *Entry* text box inserts the word into the text box. See below for an explanation of the fields on this dialog.
- 3) Click **Insert** to create the entry.
- 4) When you are satisfied with the entries, click **Close**.

Note

We do NOT use initial capital letters on all index entries, as some publishers do.

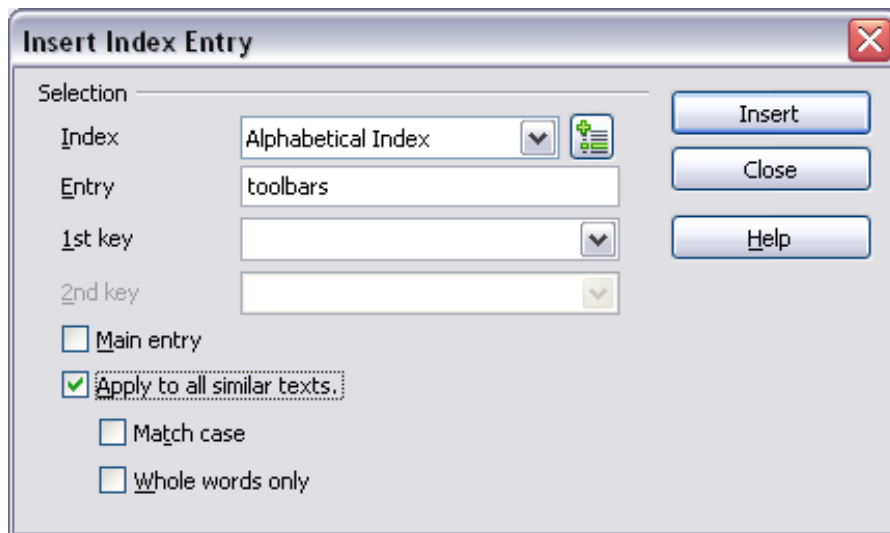


Figure 10: Inserting an index entry

You can create multiple entries without closing the dialog. For each one:

- 1) Click at the location in the document that you want to index.
- 2) Click again on the dialog.
- 3) Change the entry if needed, and click **Insert**.
- 4) Repeat steps 1–3 until you have finished with the entries, then click **Close**.

Note

If field shading is active, see **Tools > Options > LibreOffice > Appearance > Text Document > Field shadings**, when a selected word or phrase has been added to the index, it is shown in the text with a gray background. Index entries whose text is different from the text in the document are marked by a small gray rectangle.

Here is a brief explanation of the fields in the Insert Index Entry dialog and how to use them.

- *Index* – The type of index this entry is for. We use **Alphabetical Index**.
- *Entry* – The word or phrase to be added to the selected index. This word or phrase does not need to be in the document itself; you can add synonyms and other terms that you want to appear in the index.
- *1st key* – An *index key* is an index entry that has no associated page number and has several subentries that do have page numbers. Keys are useful ways of grouping related topics. See below for an example of using an index key.
- *2nd Key* – You can have a three-level index, where some of the first-level keys have level-2 entries that are also keys (without page numbers). Avoid this level; it is not often necessary in our documents.
- *Main entry* – When the same term is indexed on several pages, often one of those pages has more important or detailed information on that topic, so it is the main entry. To make the page number for the main, or most important, entry stand out, select this checkbox and then define the character style for the page number of a main index entry to be bold, for example.
- *Apply to all similar texts* – Select this option if you want Writer to automatically identify and mark any other word or phrase that matches the current selection. The **Match case** and **Whole words only** checkboxes become available if this checkbox is selected. In most cases we avoid using this option because it results in unnecessary index entries that then need to be deleted.

Example of using an index key

An *index key* is a primary entry under which subentries are grouped. For example, you might want to create a grouping similar to this:

LibreOffice
 Writer, 5
 Calc, 10
 Impress, 15

In this example, *LibreOffice* is the *1st key*. The subentries (with the page numbers showing) are the indexed entries. To insert an index entry for the topic *Writer*, on the Insert Index Entry dialog, type **Writer** in the *Entry* box and **LibreOffice** in the *1st key* box.

Generating a chapter index

We do not publish indexes in chapters, but you should generate an index to check your entries to see if any need editing. This is particularly important if you are updating a chapter that includes existing index entries as well as any new ones you may have added. When a chapter is revised, the existing index entries may become out of date or simply wrong (for example, if a section was copied from another guide, it may contain index entries for a different component of LibreOffice).

- 1) Go to the end of the file, click in the last (blank) paragraph, and choose **Insert > Indexes and Tables > Indexes and Tables** from the menu bar.
- 2) In the *Type* box on the Index/Table tab, select **Alphabetical Index**.
- 3) In the *Options* section, uncheck *Case sensitive* (so that capitalized and lower-case words are treated as the same word) and uncheck **Combine identical entries with p or pp**.
- 4) Because we are not publishing this index, it does not matter what it looks like, but you may wish to go to the *Columns* tab and choose **2**.
- 5) Click **OK** to generate the index.
- 6) Look at the index and decide what's missing or needs to be changed. Delete, insert, or amend entries as needed **in the chapter itself**. (Never edit an index directly.)
- 7) Writer does not update an index automatically. If you add, delete, or change the text of index entries, you need to update the index. To do this, right-click anywhere in the index and choose **Update Index/Table** from the pop-up menu.

You can also update the index from the Navigator by right-clicking on **Indexes > Table of Contents¹** and choosing **Index > Update** from the pop-up menu.

You may need to go through several iterations before you are done.

- 8) When you are done, delete the compiled index from the end of the chapter.

Viewing and editing index entries

To view and edit index entries, use the following steps:

- 1) Ensure that field shading is active (**Tools > Options > LibreOffice > Appearance > Text Document > Field shadings**), so you can locate index entries more easily.
- 2) Place the cursor immediately to the left of an existing index entry in the body of your document and select **Edit > Index Entry**. Alternatively, right-click on the word or phrase and from the context menu select **Index Entry**.
- 3) A dialog similar to the one below appears. You can move through the various index entries using the forward and back arrow buttons. If there is more than one entry for a single word or phrase, then you can scroll through each of the entries.
- 4) Make the necessary modifications or additions to the index entries and, when finished, click **OK**.

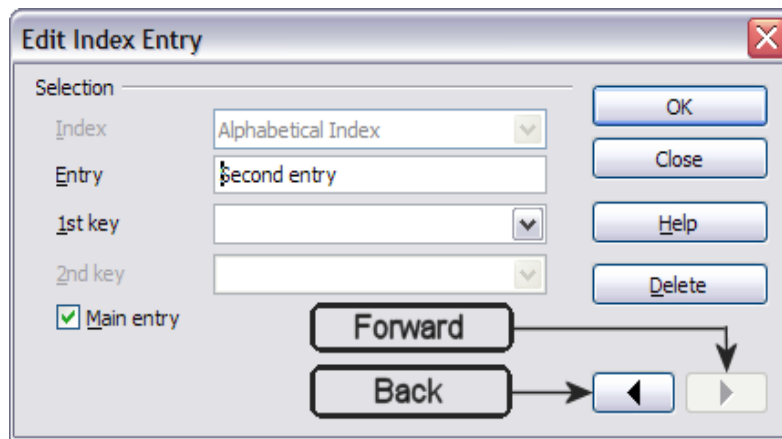


Figure 11: Viewing and editing index entries

Compiling and editing the index for a book

After the book is compiled (using a master document), the resulting index needs to be edited for consistency and completeness and the entries changed as needed in the chapter files before recompiling the book index. Some (usually sub-)entries that make sense in the context of a book don't make as much sense in a stand-alone chapter.

This work is usually the responsibility of the book's editor, who will publish the book when it has been fully compiled, indexed, and checked.

Tips for indexing chapters

Here is a checklist of things to consider when creating, reviewing, or editing an index.

- The first word of an index entry (especially a level 1 entry) should be meaningful, something the reader is likely to be looking for.
- In most cases, do not start an entry with a verb such as *using* or *displaying*. The reader is more likely to be looking for the thing being used or displayed. (In some cases, for example *printing*, such words might be appropriate; in most cases, they are not. You will need to use your judgment.)
- Do not make a main entry (level 1) for the name of the product (the topic of the book) and then put numerous level 2 entries under it. Turn all those level 2 entries into level 1 entries. (Some topics do appropriately go under the name of the product, but they are the exceptions.)
- Make sure all important topics have a main entry (level 1), not just appearing as level 2 entries. A common problem is for field names to be listed as subentries under the window or dialog name. Readers must then know what command to look up before they can find the parameter entry. This also often leads to long lists of subentries, all on the same page.
- Don't start entries with *how*, *what*, *why*, *where*, or similar words.
- Try to think of concepts and synonyms that readers might be likely to be looking for, and put them in the index as well.
- If a main entry has subentries under it, change the main entry so that no page numbers print on the higher level.
- Avoid third level entries, unless there is a very good reason for them.
- After indexing a chapter, generate the index and review it.
- If two or more topics start with the same word or phrase, in most cases they can be turned into level 2 entries under the common word.

- Check for non-significant differences in capitalisation or plurals that cause separate index entries to appear, rather than one entry with more than one page number. Either make the entries identical, or make the difference explicit in level 2 entries.
- Check for not enough detail. In most cases, any one index entry should not have more than two page numbers listed for it. If it has three or more page numbers listed, the entry probably should be split into subentries, to help readers find exactly what they are looking for. Sometimes two or more of the pages contain exactly or essentially the same information; in this case, simply remove the entry for one of the pages (usually you would leave the first one in).
- Check for too much detail. The most common error here is to have a level 1 entry with several level 2 entries, where all the level 2s are on the same page (or on a series of pages, all identical). Usually the solution is to make the level 2s into level 1s and have the original level 1 entry as a main entry as well, but removing the subentries beneath it.
- If a main entry has only 1 subentry under it, combine the subentry into the main entry.
- Remove any irrelevant entries.
- Do some random lookups in the book, to see whether the term or topic is in the index. If several random selections are not in the index, this suggests that a lot more work needs to be done.

When all the chapters are put together into a book, inevitably some changes will be needed to the index entries in individual chapters, so the book index is consistent.

How to review a chapter

- 1) Check out and download the chapter from the ODFAuthors website. If your browser gives you a choice of opening or saving the file, choose **Save File**.
- 2) In LibreOffice, turn on Record changes (**Edit > Changes > Record**).
- 3) To leave a comment, use **Insert > Comment**.
- 4) Add your name to the Contributors section of the chapter's copyright page.
- 5) When done, upload and check in the reviewed file.

What to look for in a review

Chapters must be checked carefully against the latest released version of LibreOffice (or the forthcoming version, when writing or updating in preparation for a new release). Please do not just improve the wording or grammar; that is important, but well-worded wrong instructions are worse than poorly-worded correct information. If a chapter has been reviewed and you are copyediting it, please include item 3 below in your list of things to look for.

- 1) Make sure the correct template is applied to the chapter; we often change templates between releases (for example, between LibreOffice 3.3.x and LO 3.4.x).
- 2) Make sure the correct email address for feedback is on the copyright page. Some chapters may still have an old address (missing "global").
- 3) Go through the instructions in the chapter. Follow the instructions exactly as they are written, so you can see if anything is different between the instructions and the software.
- 4) Pay close attention to the screenshots. If anything is different, make a note of it. If you can capture new screenshots that will match the ones in the chapter, then you can replace the out of date ones with up to date ones. If you cannot match the existing screenshots, then leave a comment in the file that *figure x needs to be replaced*.
- 5) Ensure that the text and the illustrations (such as screenshots) agree with each other. For example, sometimes the name of an option is changed in the program, but the writer fails

to change the name in the text. See this page for some more examples:

<http://www.jeanweber.com/newsite/?p=226>

- 6) Please also suggest other topics that should be included in the chapter, or better ways of explaining things, or any other improvements you can think of. These might include adding topics or examples (or creating stand-alone tutorials or how-tos and referring to them from the user guide), revising topics to make them more useful, or reorganising chapters (either moving topics within a chapter or, in some cases, moving material from one chapter to another).

Be aware that in some cases a topic may be covered in another chapter; in that case a cross-reference would be helpful, or in some cases duplicating some information might be the best solution.

- 7) Check that the paragraph and character styles used are correct (see Chapter 6, Using the LibreOffice Chapter Template). Check the spelling.

How to publish a chapter

When you have decided that a chapter is ready for publishing, do the following:

- 1) Make a final pass to check page breaks and make any necessary changes. (Use the keep-with-next attribute, not manual page breaks, and/or change the sequence of text and figures.)
- 2) Verify that the first item in the first numbered list in the chapter is explicitly set to start at 1 (this is to make sure the chapter works properly when it is a subdocument in a master document for a compiled book). To do this:
 - a) Right-click on the first list paragraph and choose **Paragraph**.
 - b) Go to the Outline & Numbering tab. In the Numbering section, select the option **Restart at this paragraph** and select **Start with**, making sure the number is **1**.
 - c) Click **OK** to save the change.
- 3) Update the ToC. Make sure there is no (alphabetic) index at the end of the chapter.
- 4) On the copyright page, insert the current date and the software version. Verify that the correct email address for feedback, and the correct URL for published chapters (in the footer), are shown.
- 5) Save the ODT file with the correct file name, using the naming convention for published chapters (see below).
- 6) Export the file to PDF, using these settings:
 - a) On the *General* tab, select **JPEG compression**, **Export bookmarks**, and **Embed standard fonts**.
 - b) On the *Initial View* tab, select **Page only**, **Default magnification**, and **Default page layout**.
 - c) On the *User Interface* tab, select **Display document title** (under Window options) and **All bookmark levels**. Leave all the other options unselected.
 - d) On the *Links* tab, select **Default mode** under Cross-document links and leave other options unselected.
 - e) On the *Security* tab, make sure that NO passwords are set.
- 7) Upload both files to the Published space for the relevant book.
- 8) Tell the Documentation list that you have published the chapter.
- 9) Log in to the LibreOffice wiki and replace the chapter file (PDF). To do this:
 - a) Use an address similar to <http://wiki.documentfoundation.org/File:0401DG3-IntroducingDraw.pdf> to get to the File History wiki page for the chapter.
 - b) Choose **Upload a new version of this file**.

- c) On the Upload File page, browse for the chapter file, type something in the File Changes box (usually "corrected typos" or "updated for version x.x" or similar is sufficient). Click the **Upload file** button.
- 10) Amend the docs page on the LibreOffice website, or advise the list so someone with website write permission can do it.

Naming convention for published chapters

Our file naming convention has changed slightly from that use for LibreOffice 3.3.x. The information below is current for LO v3.4 and later, including v4.x.

File names take the following form: **AANNBB-Name**, where AA=book initials, NN=LibreOffice version (35 for v3.5; 40 for v4.0), BB=chapter number, and Name=Chapter name.

Book initials:

GS = Getting Started

WG = Writer Guide

CG = Calc Guide

DG = Draw Guide

IG = Impress Guide

BG = Base Guide

MG = Math Guide

In the chapter name, each word begins with a capital letter and there are no spaces between words.

For example, the third chapter of the LO 3.4.x Writer Guide, Working with Text, has the following file name: **WG3403-WorkingWithText.odt**

How to compile and publish a book using a master document

The user guides consist of a set of individual chapter files, plus a master document file that combines the chapter files into a book.

The chapter files have been designed so that the copyright page and the chapter's table of contents pages are in a conditional section which is hidden when the chapter is part of a book.

The master document file contains a copyright page listing all the authors of all the chapters in the book and a table of contents for the full book, a TOC for the entire book, and an index for the entire book.

Compiling the book

When you have published several changed chapters in a completed book, you need to regenerate the full book. To do this:

- 1) Be sure the *.ODT files for the latest version of all chapters are in the Published Chapters space for the book.
- 2) Download all the *.ODT (chapter) files and the *.ODM (master document) file and place them in a folder on your computer.
- 3) Open the *.ODM (master doc) file for the book. When asked "Update all links?" click **Yes**.
- 4) Wait while the file loads and paginates; this may take several minutes. To avoid errors, do not do anything with the file until it finishes paginating; do not even scroll through the file.
- 5) If any chapter files do not load, you may need to edit the path for those files in the Navigator for the master document. Problem files are shown in red in the Navigator.

- 6) When all the files have loaded and the book has finished paginating, check that the copyright pages and ToCs of the individual chapters do NOT appear in the book, and that the [Component] Guide paragraph does not appear on the individual chapters' title pages. Fix in the problem chapter as needed.
Note: Do not make changes to chapters within a master document, because they are lost when you close the file. Normally these files are read-only when in a master document; do not override this setting.
- 7) Regenerate the table of contents and index by right-clicking on each of them and choosing **Update** from the pop-up menu.
- 8) Check that the Contributors section of the master document's copyright page includes all the contributors' names from all the chapters.
- 9) Check that the information in **File > Properties** is correct.
- 10) On the copyright page, change the publication date to the current date, change the LibreOffice version information to the version covered by the book, and check that the email address for LibreOffice documentation (under Feedback) and the URL for the published chapters (in the footer) are correct.
- 11) Check that the footers show the correct information: book title on left-hand (even) pages and chapter title on right-hand (odd) pages.
- 12) Check that the first item in the first numbered list in each chapter from Chapter 2 on is numbered "1" as it should be; it may continue the numbering from the last list in the preceeding chapter. If necessary, **open each problem chapter** and explicitly restart at "1" the number of the first list paragraph in the first numbered list in each chapter. To do this:
 - a) Right-click on the first list paragraph and choose **Paragraph**.
 - b) Go to the Outline & Numbering tab. In the Numbering section, select the checkbox for Restart at this paragraph and select the checkbox for Start with, making sure the number is 1.
 - c) Click **OK** to save the change.
- 13) Review the compiled index. If any entries need to be changed, **open the relevant chapter and make the changes in the chapter file, not in the index visible in the master document**. See also "How to index a user guide chapter" on page 19.
- 14) If you have made any changes to the chapters, reload the master document and wait for it to paginate again. Recheck to ensure all is well. Repeat as needed.
- 15) Something in some of our older files causes some figure and table numbers, and some cross-references to figures and tables, to be incorrect in the master doc, even though they are correct in the subdocs. You really need to go through the entire book, checking and fixing any incorrect figure numbers or references. This is a major nuisance, so we do not regenerate the books very often. To fix the x-refs, open the subdoc itself, delete the wrong x-refs, and recreate them—even though they appear to be correct in the subdoc. This will usually cure the problem (for that x-ref) in the master document. After editing the subdocs, reload the chapters into the master document.
- 16) When all changes have been done, regenerate the TOC and index in the master document. Save the master document.
- 17) Create one .ODT file from the master doc and its subdocs, as explained in Chapter 13 (Working with Master Documents) in the *Writer Guide*.
- 18) **Close the master doc and open the .ODT file**. Name this ODT file according to the naming convention for published documents (see below).
- 19) Remove the links to the sections, to embed the text into the ODT file.
- 20) Check the ODT file you just created again to make sure the cross-references, page breaks, list numbering, and other potential problems are fixed. If not, remove the write protection on the sections and edit the file directly.

- 21) Select **File > Export as PDF**. Choose the following settings:
 - a) On the General tab, select **Export bookmarks**.
 - b) On the *Initial View* tab, select **Page only**, **Default magnification**, and **Default page layout**.
 - c) On the *User Interface* tab, select **Display document title** (under Window options) and **All bookmark levels**. Leave all the other options unselected.
 - d) On the *Links* tab, select **Default mode** under Cross-document links and leave other options unselected.
 - e) On the *Security* tab, make sure that NO passwords are set.
- 22) Name the PDF according to the naming convention for published documents (see below).

Naming convention for published books

File names take the following form: **AA3x00-Name.pdf**, where AA=book initials, 3=LibreOffice V3, x=the next digit in the version, 00=book (these are zeros), and Name=book name (may be abbreviated).

Book number and initials:

GS = Getting Started

WG = Writer Guide

CG = Calc Guide

DG = Draw Guide

IG = Impress Guide

BG = Base Guide

MG = Math Guide

In the book name, each word begins with a capital letter and there are no spaces between words.

For example, the file name for *Getting Started [with LibreOffice3]* is **GS3400-GettingStarted.pdf**

Publishing the book

- 1) Upload the changed master doc file, the ODT file containing the full book, and the PDF file to the Published space for the book.
- 2) If any chapter files have been modified during book production, upload the changed files to the Published space for the book, replacing the previous versions.
- 3) Log in to the LibreOffice wiki and replace the book file (PDF). To do this:
 - a) Use an address similar to <http://wiki.documentfoundation.org/File:GS3400-GettingStarted.pdf> to get to the File History wiki page for the book.
 - b) Choose **Upload a new version of this file**.
 - c) On the Upload File page, browse for the book file, type something in the File Changes box (usually "corrected typos" or "updated for version x.x" or similar is sufficient). Click the **Upload file** button.
- 4) Amend the docs page on the LibreOffice website, or advise the list so someone with website write permission can do it.
- 5) Tell the Documentation list that you have republished the book. Put a note about it on the team's blog, <http://libodocs.wordpress.com/>.