Draw Guide 7.2

Chapter 10, Printing, Exporting and Emailing
Copyright

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Feedback

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Note

Everything sent to a mailing list, including email addresses and any other personal information that is written in the message, is publicly archived and cannot be deleted.

Publication date and software version

Published January 2022. Based on LibreOffice 7.2 Community.

Other versions of LibreOffice may differ in appearance and functionality.

Using LibreOffice on macOS

Some keystrokes and menu items are different on macOS from those used in Windows and Linux. The table below gives some common substitutions for the instructions in this document. For a detailed list, see the application Help.

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Documentation for LibreOffice is available at https://documentation.libreoffice.org/en/
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Quick printing

To quickly print a document or drawing, click on Print Directly on the Standard toolbar (Figure 1) to send the entire document to the default printer that is defined for the computer.

![Print Directly on Standard toolbar](image)

*Figure 1: standard toolbar with Print Directly installed*

**Note**

The action of Print Directly can be changed by sending a document to the printer defined for the document instead of the default printer defined for the computer. Go to Tools > Options > Load/Save > General and select the option Load printer settings with the document.

**Note**

If Print Directly is not visible on the Standard toolbar, right-click in an empty area on the Standard toolbar and select Visible Buttons from the context menu. Select Print Directly from the displayed list of tools and the tool is added to the Standard toolbar.

Controlled printing

For more control over printing, open and use the Print dialog (Figures 2 and 3) using one of the following methods:

- Go to File > Print on the Menu bar.
- Use the keyboard shortcut Ctrl+P.
- Click on Print on the Standard toolbar.

**Note**

The options selected in the Print dialog only apply to the printing of the current document that is open in Draw. To specify default print settings for LibreOffice, go to Tools > Options > LibreOffice > Print on the main menu bar to open the Options LibreOffice Print dialog.

**Note**

Due to different computer setups and different operating systems, the print dialog that opens on a computer monitor may differ from the dialogs shown in Figure 2 and 3. However, the printing options available for LibreOffice remain the same.
Any print options selected with the Draw Print dialog when printing from Draw will override the default printer settings that have been set using Tools > Options > LibreOffice > Print and Tools > Options > LibreOffice Draw > Print.

General options
The following general options are an example of what may be available on the General page of the Print dialog (Figure 2).

- **Printer** – select the printer to use from the printers available in the drop-down list.
- **Range and Copies** – select from the following options:
  - **All Pages** – prints all the pages in the document.
  - **Selection** – prints the pages selected in LibreOffice Draw.
– *Pages* – select the page number(s) to print. For multiple pages, use the format 1, 3, 7 or 1 – 5, 7, 9 for page number selection.

– *Include* – select from the drop-down list *Odd and Even Pages*, *Odd Pages*, or *Even Pages*.

– *More > Paper sides* – select from the drop-down list *Print on one side (simplex)*, *Print on both sides (duplex long edge)*, or *Print on both sides (duplex short edge)*.

– *More > Number of copies* – enter number of printed copies required for document.

– *More > Collate* – collates multiple printed copies into separate documents.

– *More > Order* – select from *Create separate print jobs for collated output* (only available when more than one copy is being printed) or *Print reverse order*.

**Page Layout** – select from the following options:

– *Paper size* – select the paper size to use from drop-down list

– *Orientation* – select from the drop-down list *Automatic*, *Portrait* or *Landscape*.

– *More > Pages per sheet* – select from the drop-down list how many pages are printed on one sheet of paper.

– *More > Order* – select from the drop-down list the printing order of multiple pages on one sheet of paper.

– *More > Draw a border around each page* – when multiple pages are printed on one sheet of paper, a border is drawn around each page.

– *More > Brochure* – prints the document so the pages can be folded into a brochure or booklet.

**LibreOffice Draw options**

The following options are available on the **LibreOffice Draw** page of the Print dialog (Figure 3) where settings are defined specific to the current document type:

– *Contents* – prints the *Page name* and/or *Date and time* on the drawing.

– *Colors* – prints the drawing in *Original colors*, *Grayscale*, or *Black & white*.

– *Size* – print the drawing using one of the following options:

  – *Original size* – prints the drawing using its original size.

  – *Fit to printable page* – the drawing size is changed so that it fits on the paper size used for printing.

  – *Distribute on multiple sheets of paper* – used if the drawing is too large for the paper size being used.

  – *Tile sheet of paper with repeated pages* – used to print multiple copies of a drawing on a page.

**Note**

The following printing instructions are examples only. Actual method of printing may differ from these examples as this depends on computer operating system, computer setup, and the printer being used.
Single sheet printing of multiple pages

The following steps are an example of printing multiple pages of a drawing on single sheet of paper:

1) Open the Print dialog, see “Controlled printing” on page 4.
2) Select the printer to use if more than one printer is connected to the computer.
3) In Page Layout, select the number of pages to print per sheet of paper from the Pages per sheet drop-down list. The preview panel on the right shows how the pages will look on a printed sheet of paper.
4) In Page Layout, select how the multiple pages are printed on the sheet of paper from the Order drop-down list.
5) If necessary, select Draw a border around each page to distinguish each page printed on a sheet of paper.
6) Click OK to print the document and close the Print dialog.

Selecting pages to print

Individual page

The following steps are an example of printing the individual pages in a drawing:

1) Open the Print dialog, see “Controlled printing” on page 4.
2) Select the printer to use if more than one printer is connected to the computer.
3) In Ranges and Copies, select Pages and enter the page number of the page to print.
4) Click OK to print the individual pages and close the Print dialog.
Range of pages
The following steps are an example of printing a range of pages in a drawing:

1) Open the Print dialog, see “Controlled printing” on page 4.
2) Select the printer to use if more than one printer is connected to the computer.
3) In Ranges and Copies, select Pages and enter the page numbers of the pages to print using the format, for example, 1,3,7 or 2–5,7,9 for page number selection.
4) Click OK to print the pages and close the Print dialog.

Selection printing
The following steps are an example of printing selected pages in a drawing:

1) Select the pages in the Pages panel in LibreOffice Draw.
2) Open the Print dialog, see “Controlled printing” on page 4.
3) Select the printer to use if more than one printer is connected to the computer.
4) In Ranges and Copies, select Selection and then select Odd and Even Pages, Even Pages, or Odd Pages from the drop-down list.
5) Click OK to print the pages and close the Print dialog.

Brochure printing
In Writer, Impress, and Draw, a document can be printed as a brochure (also known as booklet printing). The pages are arranged so that when the printed pages are folded in half, the pages are in the correct order to form a brochure or booklet.

Tip
Plan the document to make it look good when printed as a brochure. Choose appropriate margins, font sizes, and so on as the pages are normally printed at half size on a sheet of paper. Experiment to get the best document format to match the capabilities of the printer being used.

Simplex printer
The following steps are an example of printing a brochure or booklet on a printer only capable of simplex or single-sided printing:

1) Open the Print dialog, see “Controlled printing” on page 4.
2) Select the printer to use if more than one printer is connected to the computer.
3) In Printer, click Properties to open the properties dialog for the selected printer.
4) Make sure the printer is set to the same orientation (portrait or landscape) as specified in the page setup for the document. Usually the orientation does not matter, but it does for brochures.
5) Click OK to close the properties dialog and return to the Print dialog.
6) In Page Layout, select More, then select the Brochure option.
7) In Range and Copies, select Even pages or Odd pages from the Selection drop-down list.
8) Click OK to print the even or odd pages.
9) Take the printed pages out of the printer and put back into the printer in the correct orientation to print on the blank side. This may require some testing to find out what the correct arrangement is for the selected printer.
10) If Even Pages was selected, now select Odd Pages in Range and Copies. If Odd Pages was selected, now select Even Pages in Range and Copies.

11) Click OK to finish printing the document as a brochure and close the Print dialog.

**Duplex printer**

The following steps are an example of printing a brochure or booklet on a printer that is capable of duplex or double-sided printing:

1) Open the Print dialog, see “Controlled printing” on page 4.
2) Select the printer to use if more than one printer is connected to the computer.
3) In Printer, click Properties to open the properties dialog for the selected printer.
4) Make sure the printer is set to the same orientation (portrait or landscape) as specified in the page setup for the document. Usually the orientation does not matter, but it does for brochures.
5) Click OK to close the properties dialog and return to the Print dialog.
6) In Range and Copies, select More, then select Print on both sides (duplex long edge) from the Paper sides drop-down list. Actual options available for duplex printing depend on the printer model and the computer system being used.
7) In Page Layout, Select More, then select the Brochure option.
8) In Range and Copies, select the All Pages option.
9) Click OK to print the document as a brochure and close the Print dialog.

**Black and white or grayscale printing**

**Printer settings**

To print documents in black and white or grayscale on a color printer:

1) Open the Print dialog, see “Controlled printing” on page 4.
2) Select the printer to use if more than one printer is connected to the computer.
3) Click on LibreOffice Draw to open the printing options page for LibreOffice Draw.
4) In Color, select Grayscale or Black & white.
5) Click OK to print the document and close the Print dialog.

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**Note**

Some color printers may only allow printing in color regardless of the settings selected. More details can be found in the information that came with the selected printer.

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**Tip**

Grayscale is the best option for printing any colored text or graphics in a document on a monochrome printer. Colors printed in shades of gray give more detail. When printing color in black and white some of this detail maybe lost.

**LibreOffice settings**

To change the LibreOffice settings to print all colored text and graphics as grayscale:

1) Go to Tools > Options > LibreOffice Draw > Print on the Menu bar to open the Options LibreOffice Draw Print dialog (Figure 4).
2) In Quality, select either the option Grayscale or Black & white.
3) Click OK to save the change and close the Options LibreOffice Draw Print dialog.
4) Print the document using one of the above procedures and the document is printed as grayscale or black and white.

**Exporting**

LibreOffice can export documents to PDF (Portable Document Format). This industry wide standard of file format is ideal for sending a file for someone else to view using PDF viewing software.

**Directly as PDF**

To export the entire document using default PDF settings is as follows:

1) Click on **Export Directly as PDF** on the Standard toolbar, or got to **File > Export As > Export Directly as PDF** on the Menu bar.
2) Enter a file name and location for the PDF file and click on **Save** to export the file as PDF.

**Note**

Note that page range, image compression, or other printing options are not available when creating a PDF file using this method.

**Controlling PDF content and quality**

For more control over the content and quality of the resulting PDF, use the options available in the PDF Options dialog (Figure 5). For more information on available options, see the **Getting Started Guide**.

1) Go to **File > Export As > Export as PDF** on the Menu bar to open the PDF Options dialog.
2) Select the required options available in the **General**, **Initial View**, **User Interface**, **Links**, **Security** and **Digital Signatures** pages.
3) Click on Export and a file browser window opens.
4) Navigate to the location and enter a file name for the PDF being created.
5) Click on Save to export the file as PDF. The file browser window and the PDF Options dialog close.

Other formats

LibreOffice can export files in various formats, which are listed in the drop-down list of the file browser window. For more information on exporting graphics, see Chapter 6, Editing Pictures.

To export a file in another format:

1) Go to File > Export on the Menu bar to open a file browser window.
2) Navigate to the directory where the drawing is going to be saved.
3) Specify a file name for the exported drawing in the Name text box.
4) Select the required file format from the drop-down list.
5) Click on Save to save the file and close the file browser window.

Note

The content of the exported file depends on the elements selected on the drawing. If no elements are selected, the entire drawing is exported.

Web pages

To export a multi-page Draw document as a series of web pages:

1) Go to File > Export on the Menu bar to open a file browser window.
2) Select **HTML Document (Draw) (.html;.htm)** as the file format and click on **Save** to open the HTML Export dialog (Figure 6).

3) Create a **New Design** or select an **Existing design** and click on **Next**.

4) Follow the prompts to create the web pages and save the drawing as an HTML file. For more information on how to create HTML file, see the *Getting Started Guide*.

### Emailing documents

LibreOffice provides several ways to send documents quickly and easily as an email attachment in ODF format (LibreOffice default format), or as a PDF. For more information, see the *Getting Started Guide*.

**Note**

Documents can only be sent from the LibreOffice menu if an email profile has been set up.

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### Open Document format

To email the current document in ODF format:

1) Go to **File > Send > Email Document** on the Menu bar. LibreOffice opens the default email program with the document attached to a new email.

2) In the email program, enter the recipient, subject, and message, then send the email.

### PDF format

To email the current document as a PDF file:

1) Go to **File > Send > E-mail as PDF** on the Menu bar. LibreOffice creates a PDF using the default PDF settings and then opens the email program with the PDF file attached to a new email.

2) In the email program, enter the recipient, subject, and message, then send the email.
Digital signatures

A digital signature is a mathematical scheme for verifying the authenticity of digital versions of drawings or documents.

To sign a drawing digitally, a personal key, also known as a certificate, is required. This personal key is stored on the computer being used as a combination of a private key, which must be kept secret, and a public key. These keys are added to a drawing when a digital signature is applied. A certificate is obtained from a certification authority, which may be a private company or a government institution.

When a digital signature is applied to a drawing, a checksum is computed from the drawing content plus the personal key being used. The checksum and public key are stored together with the drawing.

When the drawing is opened on another computer with a recent version of LibreOffice, the program computes the checksum again and compares it with the stored checksum. If both checksums are the same, the program opens the original, unchanged drawing.

In addition, the program can display the public key information from the certificate. This information can then be compared with the public key that is published on the web site of the certificate authority. Whenever the drawing is changed, this change breaks the digital signature.


Removing personal data

It maybe necessary to remove any personal data, versions, notes, hidden information, or recorded change from drawings before they are sent to other people or PDFs files created from the drawings.

Setting security and warning options

1) In Tools > Options > LibreOffice > Security, to open Options LibreOffice Security dialog (Figure 7).
2) Click on Options to open the Security Options and Warnings dialog (Figure 8).
3) Select the required options to allow LibreOffice to warn when drawings contain certain information and/or automatically remove personal information on saving.
4) Click OK to close the Security Options and Warnings dialog and save the option selection.

Removing personal data and drawing information

1) Go to File > Properties on the Menu bar to open the Properties dialog (Figure 9) for the open drawing.
2) In the General page uncheck Apply user data.
3) Click on Reset Properties removing any information in the created and modified fields, deleting the modification and printing dates, resetting the editing time to zero, resetting the creation date to the current date and time, and resetting the version number to 1.
4) Click OK to save the changes and close the Properties dialog.
Removing version information

To remove version information from a drawing, use one of the following methods:

- Go to File > Versions on the Menu bar to open a dialog for the drawing, then select the versions from the list for deletion and click **Delete**. The dialog automatically closes.
- Go to File > Save As on the Menu bar and save the drawing with a different name.
Documents can be redacted to remove or hide any sensitive information allowing the selective disclosure of information in a document while keeping other parts of the document secret.

When a redacted document is exported to a new document, any redacted portions are removed and replaced by redaction blocks of pixels. This prevents any attempt to restore or copy the original contents. A redacted document is often exported in PDF format for publication or sharing.

Any documents that are redacted in LibreOffice Writer, Calc, or Impress are automatically transferred as a copy to LibreOffice Draw where the redaction is carried out.

**Documents, spreadsheets, or presentations**

1) Open the document to be redacted in LibreOffice Writer, Calc or Impress, then go to **Tools > Redact** on the Menu bar and the following happens:
   - A copy of the document is prepared and transferred to LibreOffice Draw as an untitled file.
   - LibreOffice Draw opens with the untitled document document displayed.
   - The Redaction toolbar (Figure 10) automatically opens. If the Redaction toolbar is not displayed, go to **View > Toolbars** on the Menu bar in LibreOffice Draw and select **Redaction**.

2) Go to **Tools > Redact** on the Menu bar and select either **Rectangle** or **Freeform**, or click on **Rectangle Redaction** or **Freeform Redaction** in the Redaction toolbar.

![Figure 10: Redaction toolbar](image)
3) Draw the required shapes to redact the sensitive areas in the document. The redaction shape is gray allowing the sensitive areas in the document to be visible before they are redacted.

4) If necessary, click on Export Directly as PDF to make an in-redaction copy of the document as a PDF file. The sensitive information in the redacted areas can then be reviewed that it is correct before redaction is finalized.

5) Go to Tools > Redact on the Menu bar and select either Redacted Export (White) or Redacted Export (Black), or click on Redacted Export (White) or Redacted Export (Black) in the Redaction toolbar. This opens a file browser window.

6) Navigate to the folder where the redact document is going to be saved and enter a name for the document, then click on Save to create the redacted PDF file.
   - The gray redaction shapes are converted to white or black shapes and the document is exported as a PDF.
   - There is no selectable text in the PDF file and any redacted content is non-existent.

Drawings

Open a drawing in LibreOffice Draw, then use Steps 2) thru 6) in “Documents, spreadsheets, or presentations” to create a redacted PDF copy of the drawing file.

**Note**

When a redacted document is exported as a new PDF file, any redacted portions are removed from the new document and replaced by redaction blocks of pixels. This prevents any attempt to restore or copy the original contents.