



LibreOffice
The Document Foundation

Publishing Extensions for LibreOffice

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Note for Mac users

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

<i>Windows/Linux</i>	<i>Mac equivalent</i>	<i>Effect</i>
Tools → Options menu selection	LibreOffice → Preferences	Access setup options
<i>Right-click</i>	<i>Control+click</i>	Opens a context menu
<i>Ctrl (Control)</i>	⌘ (<i>Command</i>)	Used with other keys
<i>F5</i>	<i>Shift+⌘+F5</i>	Opens the Navigator
<i>F11</i>	⌘+T	Opens the Styles & Formatting window

Contents

<i>Copyright</i>	2
<i>Note for Mac users</i>	2
<i>Introduction</i>	4
<i>Create a Software Project</i>	5
<i>Adding a Release section</i>	10
<i>Adding files</i>	13
<i>Adding a downloadable file</i>	13
<i>Adding a link for an externally hosted file</i>	14
<i>Publishing a release</i>	15

Introduction

You can enhance functionality of LibreOffice with Extensions.

Just install these small programs into LibreOffice and after restart of office suit you can enjoy the new abilities.

If you are an extension developer, you can use several languages to develop LibreOffice extensions. Supported programming languages are Basic, Python, JavaScript and Java. For the higher level of integrity and possibilities you can use C++, Python and Java languages to develop UNO complements based extensions.

As a UNO components you can provide new implementations of existing functionality or specialized components like Calc Add-Ins, Add-Ons, DataPilots, Chart Add-Ins, or linguistic components: Spellchecker, Hyphenator or Thesaurus.

Also you can pack extensions for additional Templates, Gallery and Autotexts.

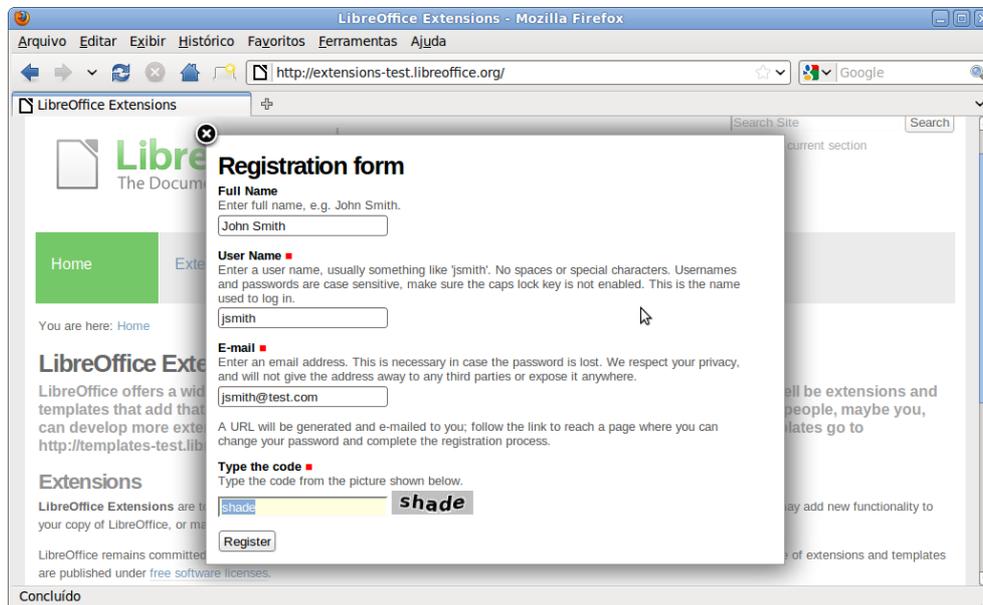
These extensions are free of charge.

This how to describes the basic steps for publishing an extension in LibreOffice official extension repository, located at <http://extensions.libreoffice.org/>.

We recommend to read this document before starts to publish your extension. Specially to gather the basics information to fill the mandatory fields.

Create a Software Project

First of all, you need to register yourself at the Extensions website. Open the Extensions web site in your browser and click on the **Register** button, in the right upper corner. Fill the *Registration form* and click **Register**.

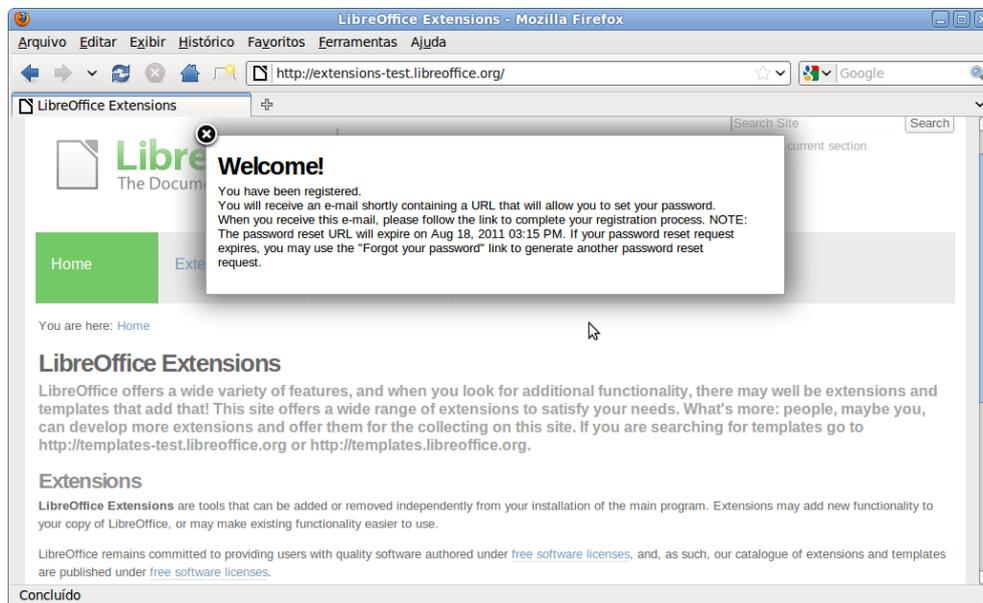


The screenshot shows a Mozilla Firefox browser window with the address bar set to <http://extensions-test.libreoffice.org/>. The page title is "LibreOffice Extensions". A "Registration form" modal window is open, containing the following fields and instructions:

- Full Name**: Enter full name, e.g. John Smith. (Text input: John Smith)
- User Name**: Enter a user name, usually something like 'jsmith'. No spaces or special characters. Usernames and passwords are case sensitive, make sure the caps lock key is not enabled. This is the name used to log in. (Text input: jsmith)
- E-mail**: Enter an email address. This is necessary in case the password is lost. We respect your privacy, and will not give the address away to any third parties or expose it anywhere. (Text input: jsmith@test.com)
- Type the code**: Type the code from the picture shown below. (Image input: A box containing the word "shade" with a yellow highlight under the "a" and "d" characters.)

A "Register" button is located at the bottom of the form. Below the form, a note states: "A URL will be generated and e-mailed to you; follow the link to reach a page where you can change your password and complete the registration process." The browser's status bar at the bottom shows "Concluído".

You should receive an e-mail containing a link to set your password and complete your registration process. You may set the password before the deadline date indicated in the e-mail. After this date, you may use the "Forgot your password" link to get a new password.



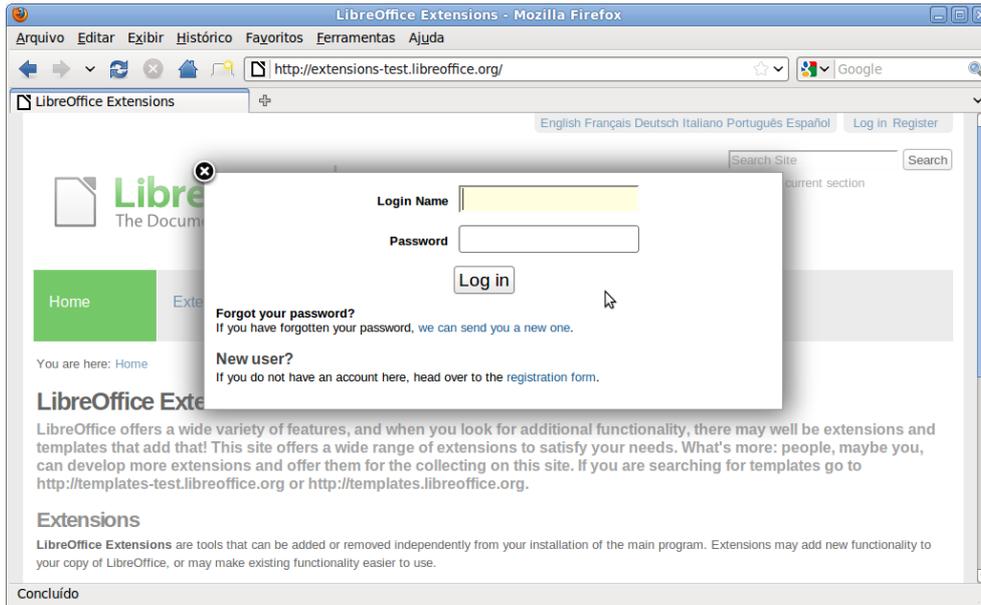
The screenshot shows the same Mozilla Firefox browser window. The "Registration form" modal window is replaced by a "Welcome!" message. The message text reads:

Welcome!
You have been registered.
You will receive an e-mail shortly containing a URL that will allow you to set your password.
When you receive this e-mail, please follow the link to complete your registration process. NOTE:
The password reset URL will expire on Aug 18, 2011 03:15 PM. If your password reset request expires, you may use the "Forgot your password" link to generate another password reset request.

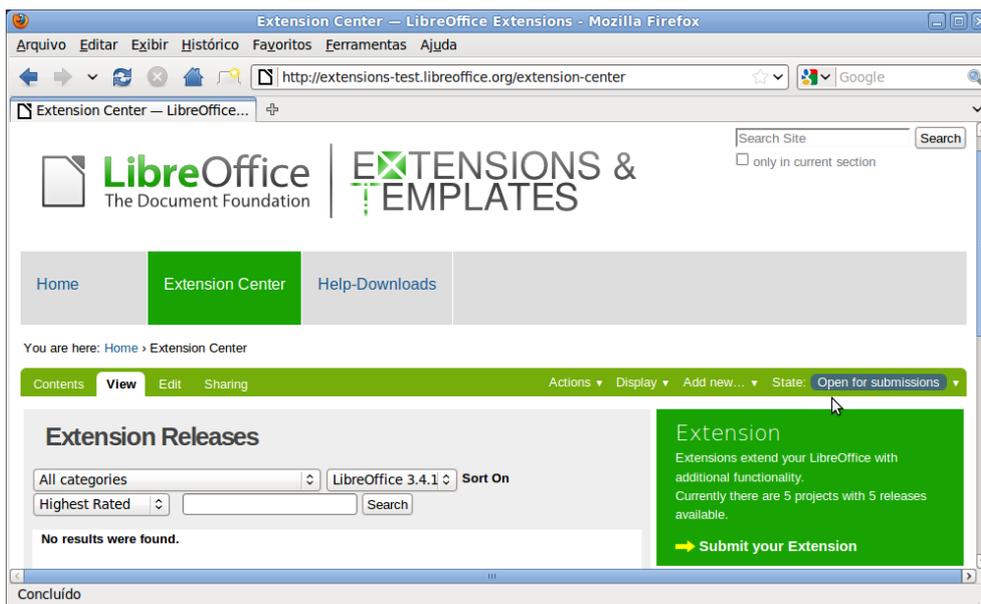
The background page content is partially visible, showing the "LibreOffice Extensions" header and introductory text. The browser's status bar at the bottom shows "Concluído".

After your registration process is complete, you will be able to login and create a new extension project.

In the right upper corner, click on **Log in** to start.

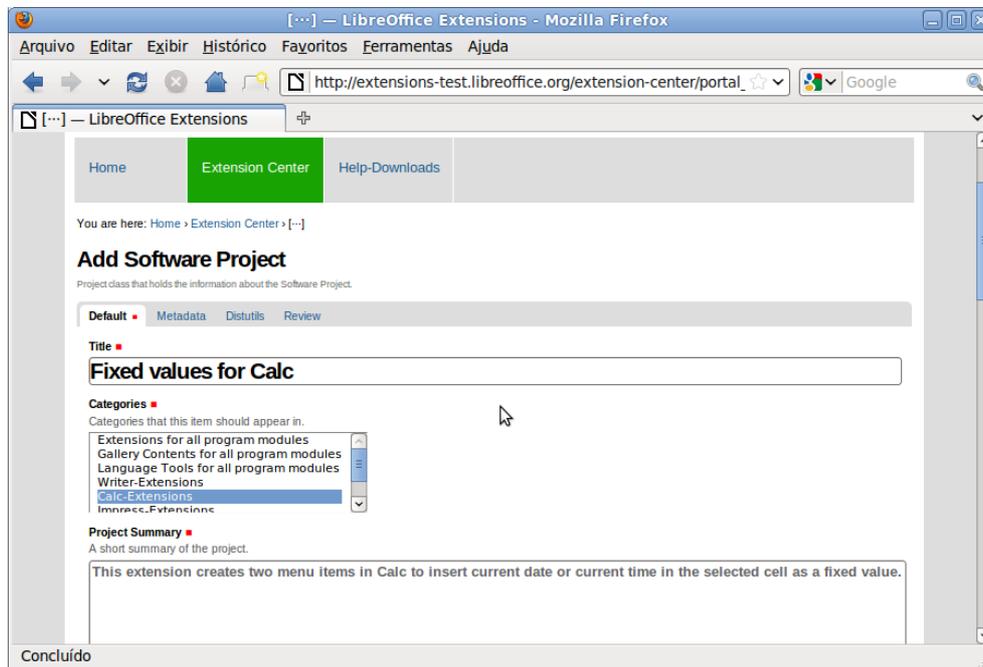


Next, click on *Extension Center* and, after, on **Submit your Extension**, on the right green block.



The *Add Software Project* form will appear.

In this form, you have some mandatory fields at **Default** tab: **Title**, **Categories**, **Project Summary**, **Full Project Description** and **Contact address**. Each one has a short description below the field name.



In **Categories**, you can select more than one option by pressing Ctrl.

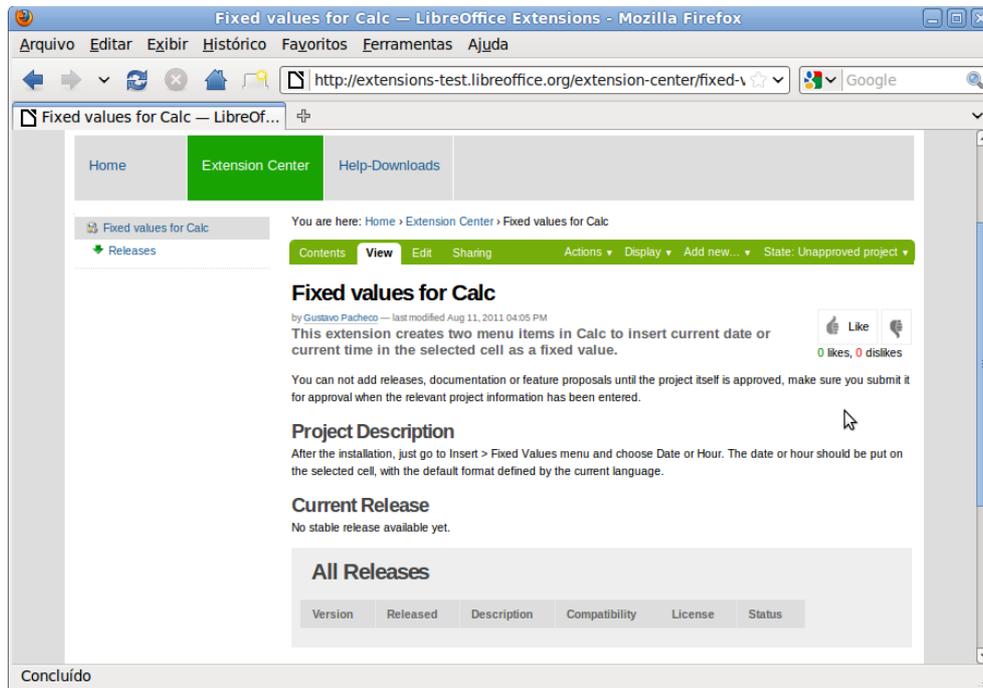
Categories	Description	Example
All modules	Extensions for all program modules	Extensions that could be used with all program modules.
Gallery Contents	Extensions for all program modules	Pictures, Backgrounds, ...
Language Tools	Extensions for all program modules	Dictionaries and similar
Writer	Extensions for Writer	Extensions that could be used to extend the word processor module.
Calc	Extensions for Calc	Extensions that could be used to extend the spreadsheet program module.
Impress	Extensions for Impress	Extensions that could be used to extend the presentation program module.
Draw	Extensions for Draw	Extensions that could be used to extend the drawing program module.
Base	Extensions for Base	Extensions that could be used to extend the database program module.
Math	Extensions for Math	Extensions that could be used to extend the program module for formula.

In **Contact address**, Use *mailto:* prefix for e-mail contact or *http://* prefix for a external web site.

Field	Description
Title	Title of the software project.
Categories	Categories that this item should appear in.
Project Summary	A short summary of the project.
Full Project Description	The complete project description.
Contact address	Contact address for the project. Use <i>mailto:</i> or <i>http://</i> prefix depending on what contact method you prefer.
Home page	If the project has an external home page, enter its URL.
URL of documentation repository	If the project has externally hosted documentation, enter its URL.
URL of version control repository	If the project has a code repository, enter its URL.
Issue tracker URL	If the project has an external issue tracker, enter its URL.
Support mailing list or forum URL	URL of mailing list information page/archives or support forum, if the project has one.
Logo	Add a logo for the project (or organization/company) by clicking the 'Browse' button. Max 150x75 pixels (will be resized if bigger).
Logo link	The URL the logo should link to, if applicable.
Screenshot	Add a screenshot by clicking the 'Browse' button. Max 800x600 (will be resized if bigger).

After fill the form, click **Save**.

Your Extension project will be created. However, at this time, you can not add releases, documentation or feature proposals. Before, you need Submit your project for approval. To do this, click on **State: Submit for approval** link, in the right side of the green bar.

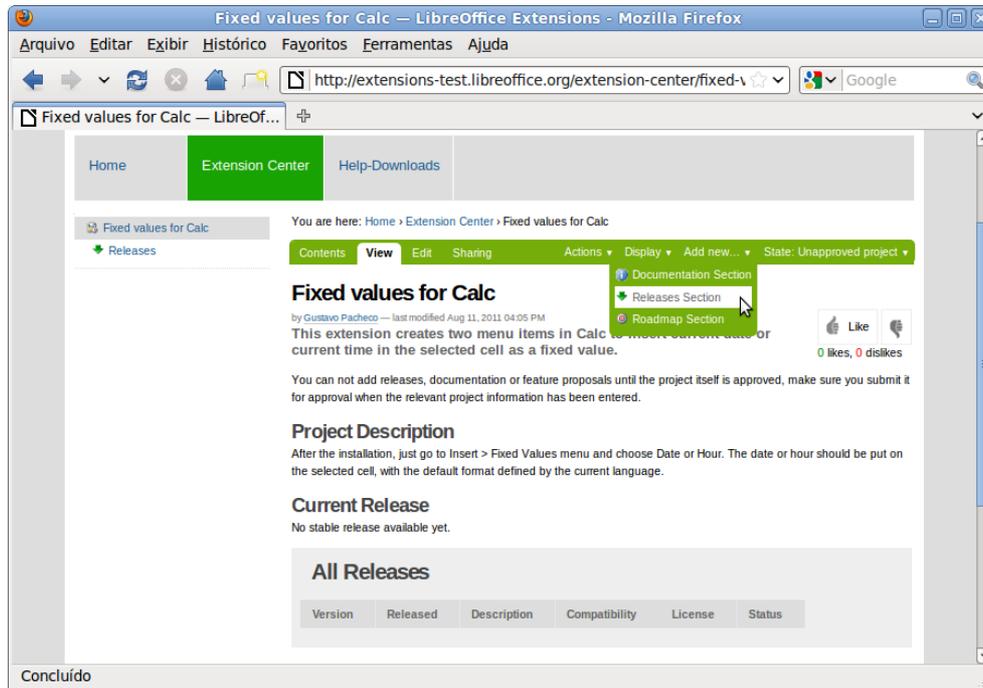


The status of your project will be changed to **State: Pending approval**, until the approval by a reviewer. It is possible that the approval take a few days.

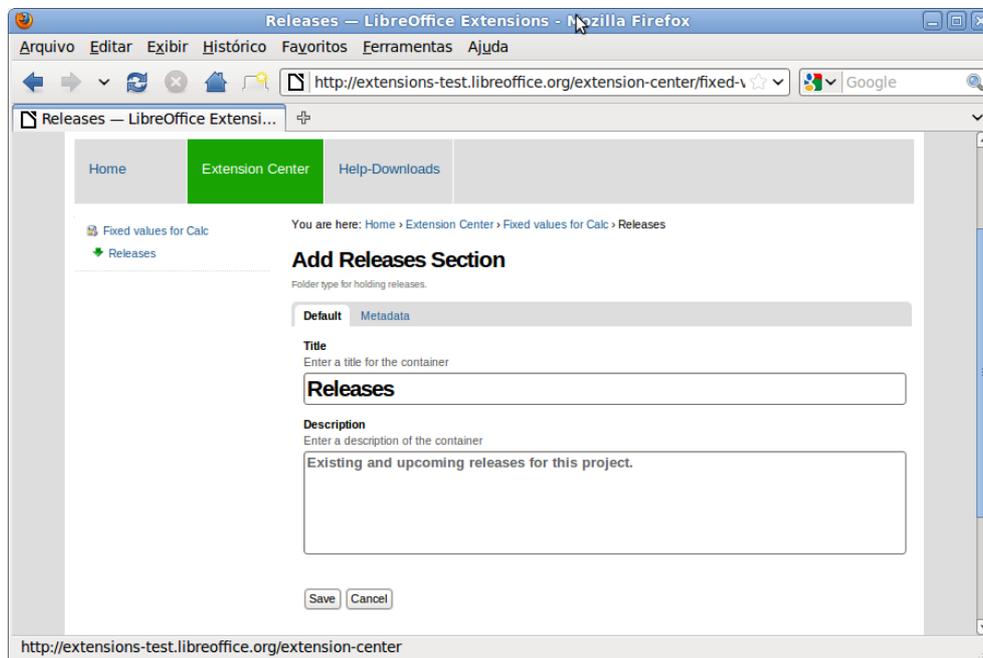
After approval, the status should be changed to **State: Public** and you can add releases, documentation and feature proposals.

Adding a Release section

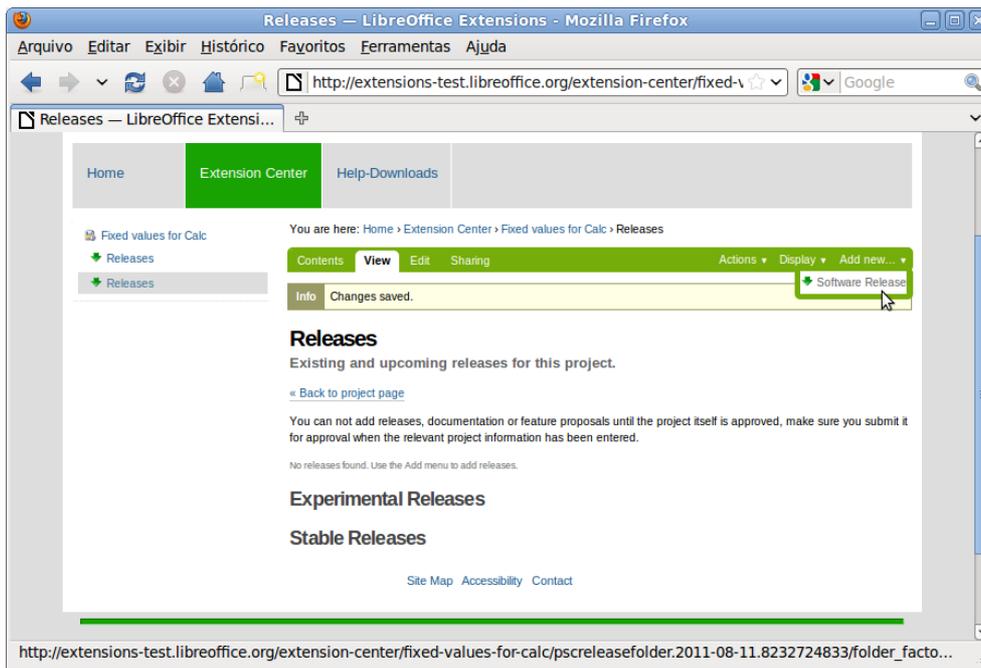
After approval, go to **Add new > Release section** to create a new workspace for your releases information and files.



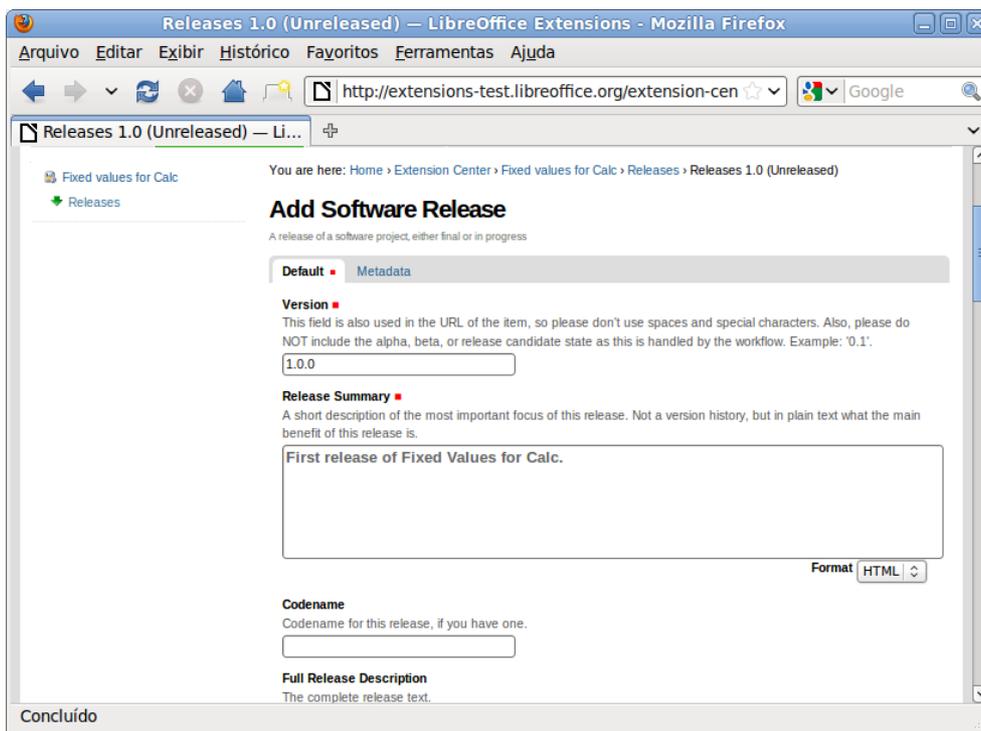
At the *Add Releases Section* form, just click on **Save** button.



The *Releases* folder will be created and you can add a new release clicking on **Add new > Software Release**.



Now, you need to fill the *Add Software Release* form.



Some fields on **Default** tab are mandatory: **Version**, **Release Summary**, **License** and **Compatibility**.

Field	Description
Version	This field is also used in the URL of the item, so please don't use spaces and special characters. Also, please do NOT include the alpha, beta, or release candidate state as this is handled by the workflow. Example: '0.1'.
Release Summary	A short description of the most important focus of this release. Not a version history, but in plain text what the main benefit of this release is.
Codename	Codename for this release, if you have one.
Full Release Description	The complete release text.
Changelog	A detailed log of what has changed since the previous release.
Release Manager	Release manager for this release.
Release Manager Contact E-mail	Contact e-mail for Release Manager.
Proposals freeze date	Date after which no more Improvement Proposals will be associated with the release
Feature freeze date	Date after which no new features will added to the release
(Expected) Release Date	Date on which a final release is expected to be made or was made
License	Release License: Please examine carefully which license you choose for your contribution. You can't change it after the release. The options are: GPL - GNU General Public License LGPL - GNU Lesser General Public License BSD License (revised) Public Domain Other OSI Approved
Compatibility	Tested and working with the selected versions
Associated feature proposals	Related improvement proposals for features going into this release.
Repository branch	URL of version control repository branch for this release.

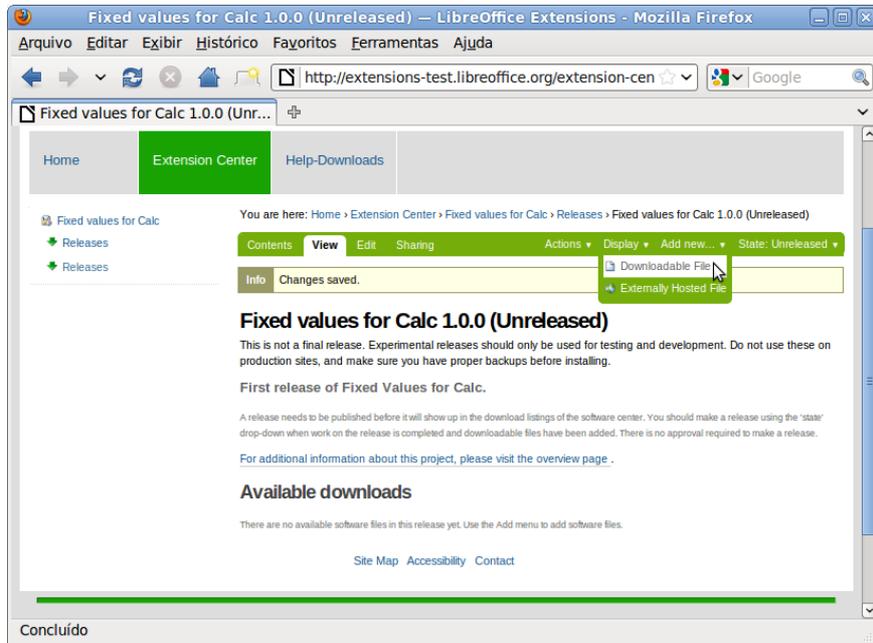
After fill the *Add Software Release* form, click **Save**.

Adding files

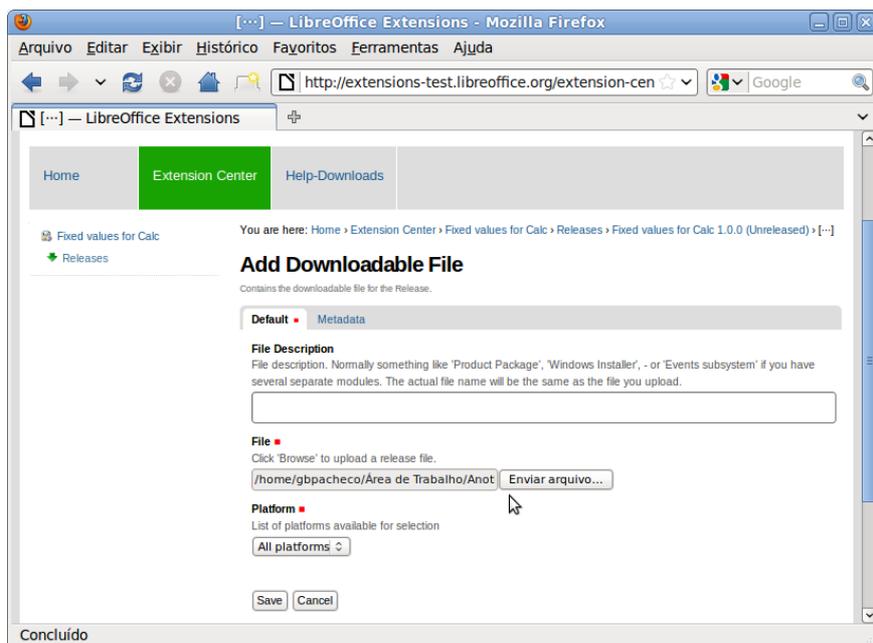
Now, after created the Release folder, you have two options for the files of the release: add a downloadable file or add a link for an externally hosted file. This options are detailed in the next two sections.

Adding a downloadable file

For the first option, click **Add new > Downloadable File** on the green bar.



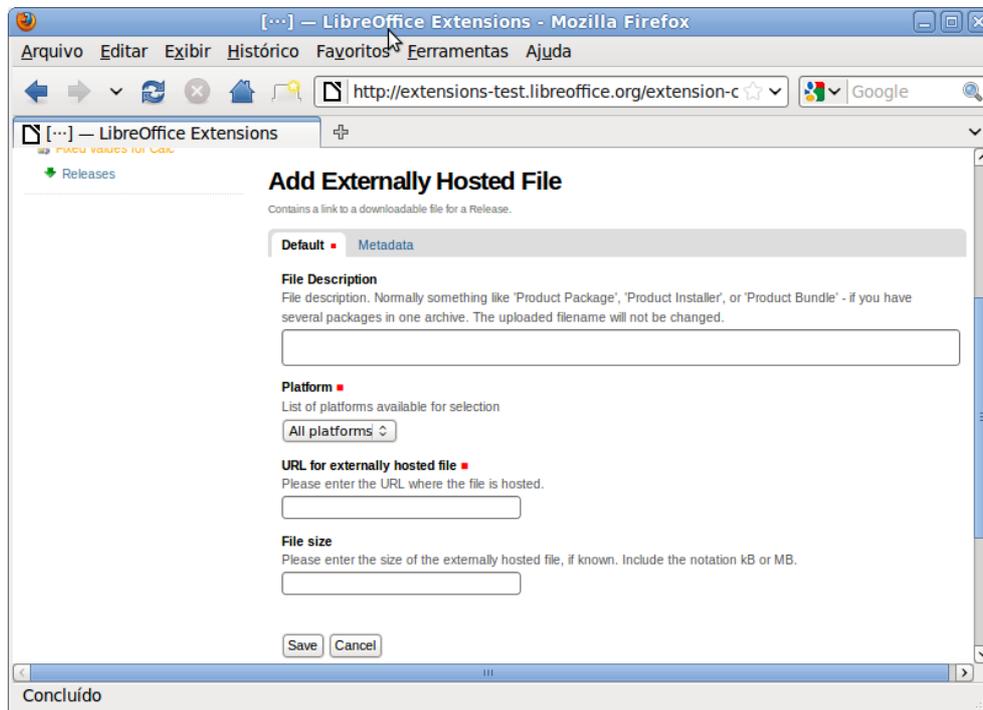
At **Add Downloadable File** form, you just have chose your extension file in **File** field and define the operating system in **Plataform** field.



At the end of the form, click **Save**.

Adding a link for an externally hosted file

To add an externally hosted file, just click **Add new > Externally Hosted File** on the green bar and fill the *Add Externally Hosted File* form. Only **Platform** and **URL for externally hosted file** fields are mandatory.



The screenshot shows a Mozilla Firefox browser window with the LibreOffice Extensions interface. The address bar shows the URL <http://extensions-test.libreoffice.org/extension-c>. The page title is "[...] - LibreOffice Extensions". The main content area is titled "Add Externally Hosted File" and contains the following form fields:

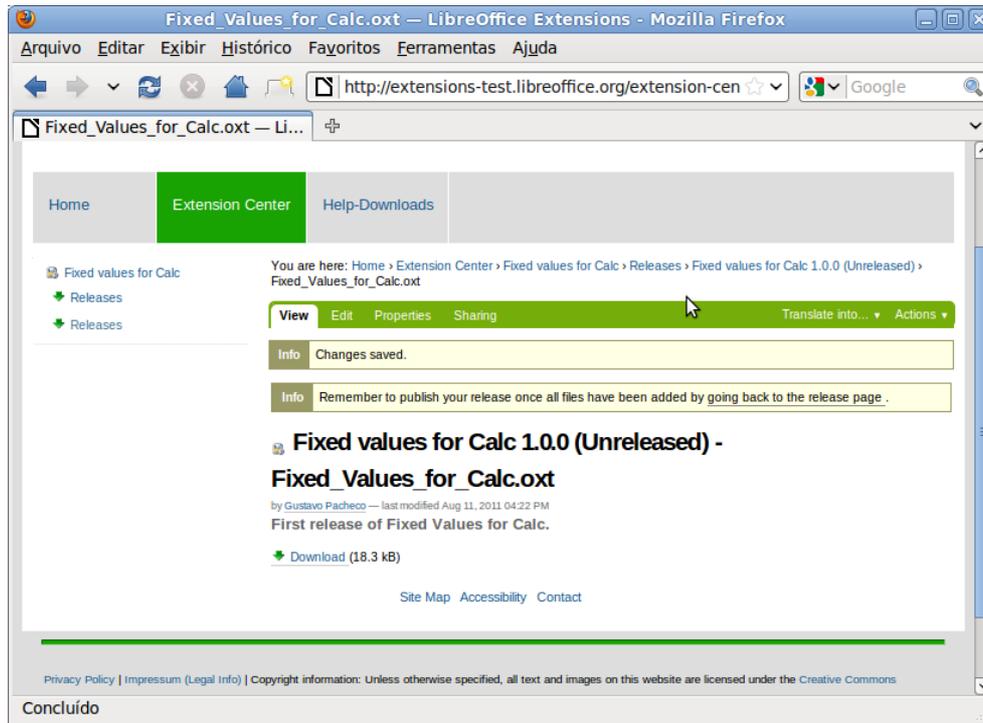
- Default** (selected) and **Metadata** tabs.
- File Description**: A text input field with the instruction: "File description. Normally something like 'Product Package', 'Product Installer', or 'Product Bundle' - if you have several packages in one archive. The uploaded filename will not be changed."
- Platform**: A dropdown menu with the selected option "All platforms".
- URL for externally hosted file**: A text input field with the instruction: "Please enter the URL where the file is hosted."
- File size**: A text input field with the instruction: "Please enter the size of the externally hosted file, if known. Include the notation kB or MB."

At the bottom of the form, there are "Save" and "Cancel" buttons. The status bar at the bottom of the browser window shows "Concluído".

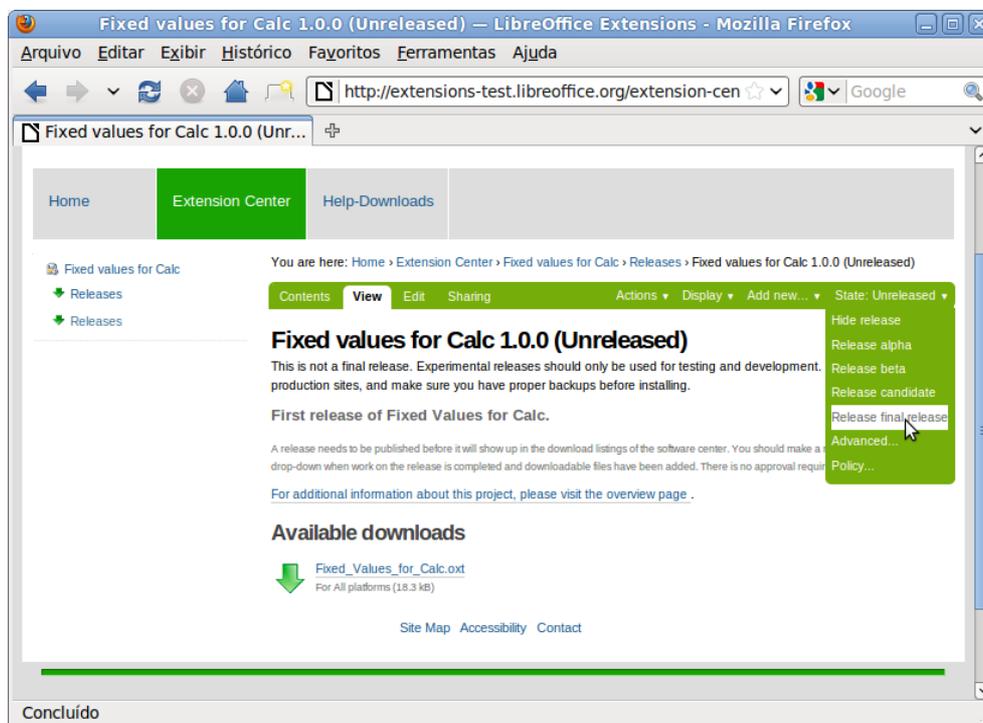
Click **Save** to finish.

Publishing a release

After added a downloadable file or a link for an externally hosted file for the release, you will see the Extension release and the file(s).



Click on **going back to the release page** link to change the release status. To publish the release, go to **State: Unreleased** menu and define the new state, for example, **Release final release**.



Finally, log out and go to the new extension page to see your extension published!