

# The PCLinuxOS magazine

Volume 68

September, 2012

Linux Financial Apps:  
Skrooge

KDE Upgrade Cheat Sheet

KompoZer, Part 3:  
Special Formatting

Remastering YOUR  
PCLinuxOS Installation

Graphics Tutorials:  
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Watching Online Television  
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LibreOffice 3.6:  
New Features Galore

Installing & Configuring  
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Running Wireshark As A  
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Syncing Files With  
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## The PCLinuxOS magazine

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The PCLinuxOS Magazine is a monthly online publication containing PCLinuxOS-related materials. It is published primarily for members of the PCLinuxOS community. The magazine staff is comprised of volunteers from the PCLinuxOS community.

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# Welcome From The Chief Editor

Hear ye, hear ye! The 2012.08 maintenance release of 32-bit PCLinuxOS KDE and 32-bit PCLinuxOS Minime KDE have been released. Both have been produced by Pinoc. Unfortunately, if you want a LiveCD, your only choice is to download the Minime version, since the full KDE desktop now fits only on a DVD sized optical medium, with the ISO weighing in at 1,283 MB. Or, you could install the PCLinuxOS LXDE 2012.06 release, which also fits easily onto a LiveCD.

The latest maintenance release contains KDE 4.8.3, an upgrade from the previous KDE 4.6.x desktop. On the full KDE version, LibreOffice is also included, along with a whole host of other applications. Minime (with an ISO weighing in at only 508 MB) is a good choice for **advanced users** who know what applications they want installed on their PCLinuxOS installation. This helps you to avoid having a whole host of applications you may never use and that you may not want installed, and that unnecessarily take up room on your hard drive. Of course, you can take your pick of the over 13,500 packages in the PCLinuxOS repository to tailor your Minime installation to be just how you want it.

Also, due to changes in the KDE desktop from the old 4.6.x version to the 4.8.3 version, there is not a “clean” upgrade path to the newer KDE desktop. To help you out, we’ve published a couple of “[cheat sheets](#)” to help you with the upgrade of your 4.6.x KDE desktop to the 4.8.3 KDE desktop. While either method by itself will get you there, some users are reporting success using a combination of the two approaches. To help prevent data loss, it is **highly recommended** that you backup your data before attempting the upgrade. Of course, one other option exists – to reinstall from the freshly updated maintenance release. If you choose the latter, be extra sure to backup your data before reinstalling – or risk losing it altogether.

With the new upgrades and the new ISOs having been released, most of us will have plenty to do to occupy our time. So, until next month, I bid each of you peace, prosperity, serenity and happiness.



*Along the Riverfront Heritage Trail in Kansas City, MO.*

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# KDE Upgrade Cheat Sheet

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by OldGuy & Old-Polack

## OldGuy's Cheat Sheet

I just wrote a cheat sheet for a few friends who use the KDE version of PCLinuxOS, and would like comments referencing any incorrect advice. My friends are usually older, and at times, need some hand holding. Ergo, this letter:

Hi Friends of PCLinuxOS,

If you have noticed that your update-notifier seems to be stuck in "can't update mode," it's due to the switch from the older KDE to a newer version.

Yesterday I did the work required to update, and it wasn't bad. However, without checking off another package, some of your widgets may appear as a red "X." This means a widget can't be found.

Asking some of the members of the forum, I discovered the fix and it's very simple.

Here is what I did to insure a successful update.

Backing up your data before any major modification is always a good rule of thumb. I use LuckyBackup to backup all my data (home folder) to an external drive. Then, just to prove I'm paranoid, I create a LiveCD using mylivecd. You can burn a copy of the LiveCD to a DVD, or just move it to an external drive. Of course this is just in case the whole process goes bloomers up. And reinstall.

If you just moved the iso to an external drive you will have to burn it first for the reinstall.

Next, modify the repository information in Synaptic. Close all windows first, then open Synaptic. When the Synaptic window opens, go to Settings > Repositories. Highlight the repository your use (for me that's heanet.ie). When highlighted, you will see a line in Sections that reads:

**main updates nonfree kde4 games special**

Change it to read:

**main updates nonfree kde games special**

Click OK, then click reload.

Select "Mark All Upgrades," and be sure that "kde-plasma-addons" is also selected. If it isn't, check it for installation. If you leave it unchecked, it could be the cause for the missing widgets in your panel.

Take a stiff drink, and press apply. After it's complete, reboot your machine.

All done.

Now you should be ready with the newest version of KDE. Should your desktop be different (and I'm sure it will be), there is another icon added that can be used to bring back your older widgets. Click on the "RestoreMyDesktop" icon.

After restoring, you can safely delete the "RestoreMyDesktop" icon from your desktop.

Note from the forums: RestoreMyDesktop is a backup of your desktop settings before you updated. Once you make changes on your current desktop, these new changes will not be moved to restoring your previous desktop settings. RestoreMyDesktop is best used immediately.

I didn't bother with RestoreMyDesktop, since I have only one extra widget on mine. I just added it to my desktop, and changed the way time/date is shown to show the day and date. I also use "Hard Disk status" to show my current disk usage on the desktop.

One warning, though. During my change, I somehow screwed up my taskbar and everything was smushed to the left. This was an easy fix. I went to Synaptic and reinstalled kde4-config. That fixed it right up.

Good luck. Drop me a message in the forum if you need further assistance, or visit [this post](#) in the forum.

**Afterwards, O-P posted [this](#) ...**

The PCLinuxOS development team has been trying to make the KDE upgrade to the 4.8.3 version as near to a normal Synaptic upgrade as we have all become used to. Unfortunately, the KDE developers have changed a lot of the package names, which causes insurmountable problems with some packages when a dynamic/rolling upgrade method is used. A clear upgrade path simply can't be established.

The KDE packages are designed for a static release method of upgrading, where each upgrade means a complete re-installation of the entire system, so our dynamic release system must sometimes accept slight deviations in our normal procedure to accommodate situations like this.

**Note:** Your personal desktop settings may be changed to the default desktop settings during this process. If this occurs, a new desktop icon,

**RestoreMyKDEdesktop** will appear, to do just what it says. A backup of your personal desktop settings will have been made, and running the **RestoreMyKDEdesktop** script will restore your personal settings from that backup. As an extra precaution, you may wish to make your own backup of **your/home/<you>/.kde4** directory, or even your entire \$HOME directory, before running the upgrade procedure.

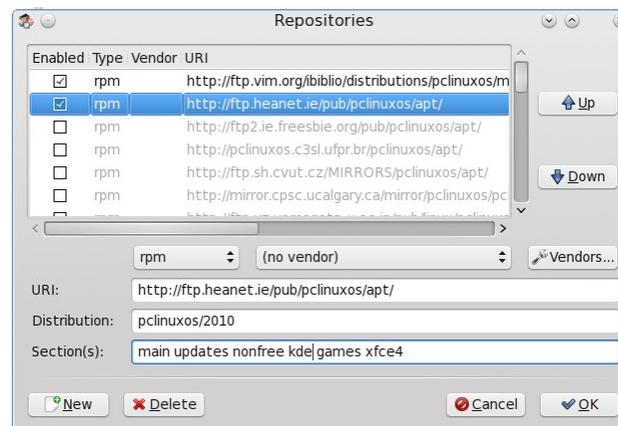
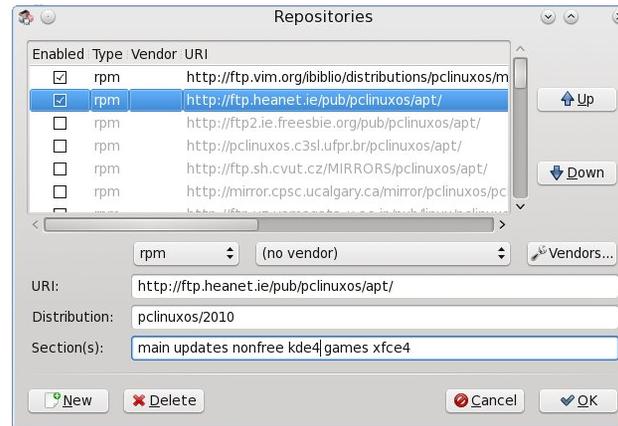
There will be **two methods** available to do the upgrade from KDE 4.6.5 to KDE 4.8.3, only one of which is currently available. It will require a change in the Synaptic **Settings --> Repositories** window's **Section(s):** box, changing the section **kde4** to simply **kde**.

If you have **apt-sources-list** version **1.0.2** currently installed, or can still install it from your chosen mirror, it has already made, or will make, the necessary change for you on all current mirror entries.

If you do **not** have **apt-sources-list** version **1.0.2** currently installed, and Synaptic will not now install it, for any reason, the following will allow you to make the change **manually**, allowing the KDE upgrade to commence.

In the Synaptic **Settings --> Repositories** window, click on the currently used active mirror to fill the lower data entry fields. In the bottom **Section(s):** field, if there is currently a **kde4** section, place the mouse cursor directly behind the **4**, click, then press the keyboard **Backspace** key **once**, then click the **OK** button (top and center, at right).

Click the **Reload** button, and wait for the package lists to be updated. At this point, you can continue to perform the actual upgrade.



## Normal upgrade with manual cleanup:

Do the normal **Reload --> Mark All Upgrades --> Apply --> Apply** upgrade. If no packages are listed as broken, proceed as usual. Some packages will be shown as being removed, without being replaced. **Take note of these package names, for use later.** Which packages these will be will vary, depending on what is actually installed on any given individual's system.

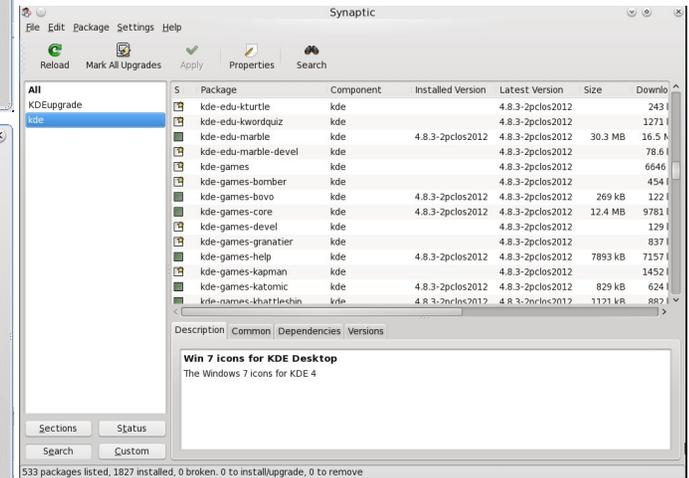
When the upgrade has finished, leave Synaptic **open**, open a **terminal** and enter the command:

```
[<you>@localhost ~]$ rpm -qa |grep 4.6.5
<Enter>
```

A list of remaining KDE 4.6.5 packages that were not upgraded will be presented. Leave the **terminal window open** for reference.

In Synaptic, **Search** for each individual package in the terminal list and **mark it for Removal**. When all are marked, click **Apply --> Apply**.

When finished, again in **Search**, enter **kde** and click the **Search** button.



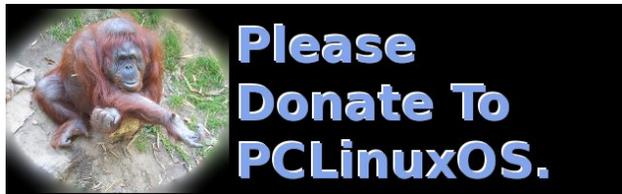
Scroll down the results in the upper right pane to find the package name that most closely resembles the name of the removed 4.6.5 package and **Mark for Installation**. If any package with a similar name cannot be found, it has been obsoleted and is no longer needed. When all that can be found have been properly marked, and the **removed but not replaced** packages from the **initial upgrade** are also marked, again click **Apply --> Apply** to complete the package upgrades, then close Synaptic and reboot.

For most users, the above method works quite well, even though a bit clumsy in execution.

If you experience difficulties, such as broken packages being reported, or packages missing dependencies, those packages should be unmarked/removed from the upgrade list, so the rest of the upgrade can proceed. If that still doesn't work, stop where you are and report the exact problem in the appropriate forum section, giving as much detail as you can, then wait for a reply to receive help.

The **second upgrade method** referred to, at the beginning of this announcement would be installing, or reinstalling, from the finalized, reluctantly delayed, quarterly release ISO image.

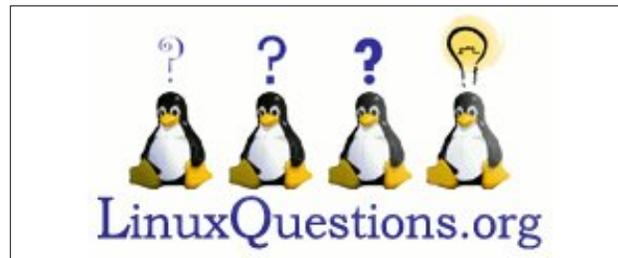
The quarterly ISO has been released as well.



A magazine just isn't a magazine without articles to fill the pages.

If you have article ideas, or if you would like to contribute articles to the PCLinuxOS Magazine, send an email to:  
[pclinuxos.mag@gmail.com](mailto:pclinuxos.mag@gmail.com)

We are interested in general articles about Linux, and (of course), articles specific to PCLinuxOS.



## Screenshot Showcase



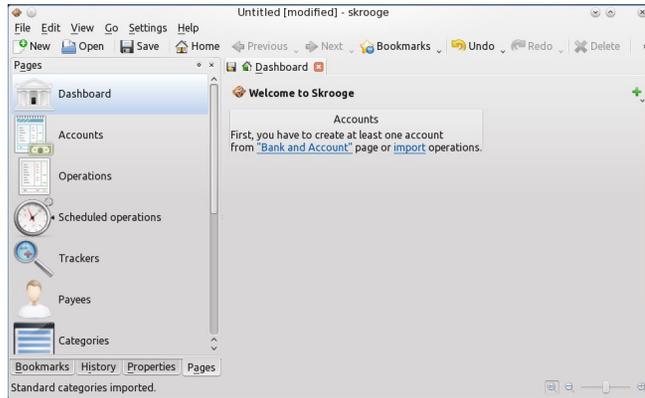
*Posted by Crow, August 13, 2012, running LXDE.*

# Linux Financial Apps: Skrooge

## by Meemaw

To wrap up our coverage of Linux financial apps, we'll take a look at [Skrooge](#). It is available for Linux, Mac and Windows. The online user guide is [here](#).

When you open Skrooge the first time, the Welcome window is shown, as follows:

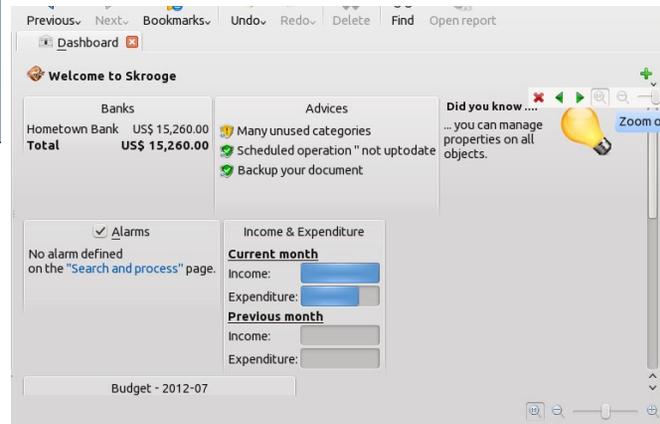


It looks a little like Dolphin to me because of the tabs at the lower left of the window. I ended up removing the Properties and History tabs, but you might want to keep them.

As with the other programs, you must either create your account file or import it. File formats that are compatible are OFX (Open Financial Exchange), QFX (Quicken file), QIF (also a Quicken file) and CSV. I created my normal accounts, Meemaw's Checking and Meemaw's Savings.

You will also see tabs in the right-hand section. This is handy, since you can have several sections open at once. You only have to click **View > New Tab** to add another, then click the section in the left-hand column that you desire.

The first thing you see in the left-hand column is the **Dashboard**. It is like the Home Page in KMyMoney, giving you a quick overview of your accounts. As you add normal and scheduled transactions, along with your budget, many of the items in your Dashboard will be items that will interest you or need your attention when you first open Skrooge. All items can be removed or added (if they aren't there already). To remove an item, you should hover your mouse over that item and a toolbar will appear. The left end of the toolbar has a red X, which you can click to remove that item. Each toolbar also has left and right arrows to allow you to arrange your Dashboard in a way that works for you. If you find that you have removed something in error, a green plus sign at the top right of the window section will allow you to re-add it.



In the column on the left, we see the additional following sections:

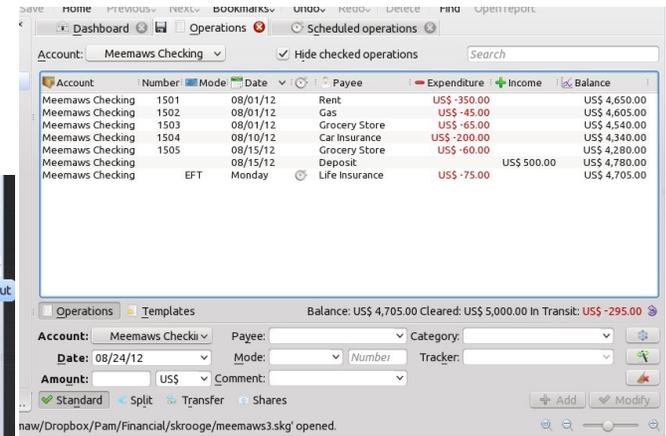
## Accounts

This section shows the accounts you created at setup. You can also add any new accounts from here. Using the editing section at the bottom, enter the important information, then click the Add button.

If you make a mistake, simply correct it, then click the Modify button. This method is used throughout the program.

## Operations

This section is where you enter all your transactions. One thing that makes Skrooge different is that in this window you have to actually enter the outgoing money using a minus sign (-250.00) to designate the subtraction from your account. Debits to the account will show in a red font, and credits in black, so if you enter one incorrectly, you can see it.



After you get a few operations entered, you will probably start entering the same basic few every month. Skrooge has a method to make this a little faster. Enter the Payee or Category for the operation, then click on the **Fast Edition** button to the right of the Tracker drop-down (it looks like a magic wand). Skrooge will find the last operation that matches the field you are currently in and fill in the rest of the operation for you.

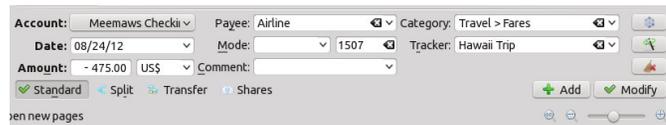
## Scheduled Operations

Just as the title says, scheduled transactions (like rent that you pay once a month or that life insurance

payment that comes out automatically every month) are added and edited here. Choose the operation you want to schedule (I chose the life insurance payment) and click on **Templates** at the bottom of your Operations screen, then open a tab with Scheduled Operations, and edit the template you just saved.

## Trackers

A tracker allows you to group specific transactions together in order to give yourself a total for those expenses. Suppose you are going on vacation and want a total amount spent on the trip. You can group the transactions for fuel, lodging, recreation and food in a tracker and you will have a total cost for your vacation. This will work really well if the expenses you track are some for which you will get reimbursed. You can add the deposits to your tracker as well, and thus will know when you have been completely paid. I added a tracker named Hawaii Trip in this window. When I enter data in the Operations tab, I have a selection along with the other items called Tracker. This dropdown now contains the tracker called Hawaii Trip. As I add expenses, I can go to the Tracker tab and see what my total is.



## Payees

As in the other programs, you add the payees as you enter your transactions. Here you can add, edit and delete them.

## Categories

Skrooge includes an assortment of standard categories, which can be edited. If you decide to delete a category, any operation you have assigned to that category will then have no category related to it - so make sure you re-assign those to other categories.

## Budget

The User Guide has nothing about the budget section, so I have only experimented. As far as I can tell, you have to add your categories one-at-a-time and give the budgeted amount for it (and if anyone uses Skrooge, please post on the forum if it is different).

## Search & Process

Search and Process is a way to find certain operations and apply some sort of transformation. What comes to my mind is when I was using a different program and decided to change the categories so they were more meaningful. I remember having to search for every transaction in one category and assign it to the new, better category. With Search and Process, you could find them all, and change them all at once.

## Report

In Skrooge, every report has to be setup manually. The standard items you must decide are the date range to use, account(s) included and categories and/or payees. The Users Guide has some examples to help set up some of the more standard reports.

## Monthly Report

The Monthly Report is an overview of a particular month.

## Units

In Skrooge, you can use more than one unit, not only your standard unit of currency, but others if needed. Units can also be stock shares, or even autos or property.

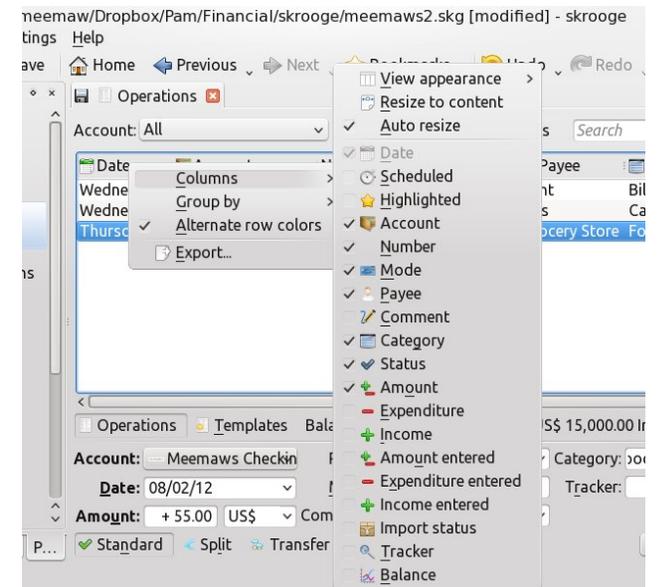
## Simulations

Simulations are not covered in the User Guide, but I think it may be a prediction of your future finances, based on the information you have already entered.

## Configuring your Window

One of the things I like and also dislike about

Skrooge is that each section can be configured to include only the information you want to see. In the operations tab, I want to see the standard items I might see in my checkbook: Date, Check Number, Payee, Check Amount, Deposit Amount and Balance. In Skrooge, there are many more choices, as seen below. You simply have to right-click one of the columns and look at the drop down menu.



As you can see there are many items you can use in your Operations list. You can have the check amount and deposit amount in the same column (+/- Amount), or you can have them separate (-Expenditure and +Income). Simply click the checkmark in front of each item on or off depending on whether or not you want to include it. At the top you can turn on or off the item "Auto Resize". Unchecking it will allow you to resize your columns the way you want them, and checking it will set specific column widths. When you have it the way you want it, click on the save icon on the tab itself. You can also go to **View > Save Page State** to do the same thing. I like it because I can configure the page the way I like, but I don't like it because it doesn't always stay exactly the way I have

configured and saved it (like sometimes the columns jump to a smaller size than I chose).

I also don't like the fact that each section has to be configured separately. I know each has its own information and should be configured on its own, but I'm thinking there should be a better way to do it, maybe from the **Configure Skrooge** window in the Settings menu.

On the other hand, I like the zoom feature in the window, which allows you to make the font whatever size is easiest for you. Also, you can remove any of the docks in the left column from the main window if you wish, and let it sit by itself. I haven't tried that feature but it might be useful to some people.

Skrooge seems like a good program, and it has features that are very good. I hope they get the User Guide completed for the people that use it.

We have reviewed seven financial programs, and hope you can find one that works perfectly for your needs!



## Screenshot Showcase



Posted by weirdwolf, August 20, 2012, running LXDE.



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<http://pclosmag.com/>

PCLinuxOS Magazine Forums:  
<http://www.pclinuxos.com/forum/index.php?board=34.0>



# Mark's Quick Gimp Tip & Double Take

## Mark's Quick Gimp Tip

We've got a new version of **Gimp!** It's version 2.8.0 and it comes with a whole slew of new improvements! The biggest, and most anticipated, is single window mode. With this new feature, **Gimp** can now run in a one window environment just like all the other well known commercial graphics editors. To get into single window mode, on the menu, simply click on **Windows** and check **Single-Window Mode**. Once enabled, Gimp will automatically configure itself into one single window with toolbox on the left and other dockable tabs on the right. When you close and reopen **Gimp**, it will once again open in one single window. Gimp will stay in this single window mode until you disable the feature. To go back to the multi-



window configuration, simply uncheck Single-Window Mode. So, Gimp gives you the choice. You can run it in one single window or run it in its well known classic three-window mode. There are many, many more changes in this new version of Gimp and we'll be exploring them in future issues of PCLinuxOS magazine, so please stay tuned! And, since it's back to school time once again, Gimp is the perfect free computer application for teachers and students! And the best way to get Gimp is to simply get **PCLinuxOS** and install it! With PCLinuxOS, students get an entire operating system and all the tools they'll ever need for their studies, including Gimp, LibreOffice, Scribus, and many others!

-Mark Szorady is a nationally syndicated cartoonist with [georgetoon.com](http://georgetoon.com). He blogs at [georgetoon.com/blog](http://georgetoon.com/blog). Email Mark at [georgetoon@gmail.com](mailto:georgetoon@gmail.com).

## DOUBLE TAKE

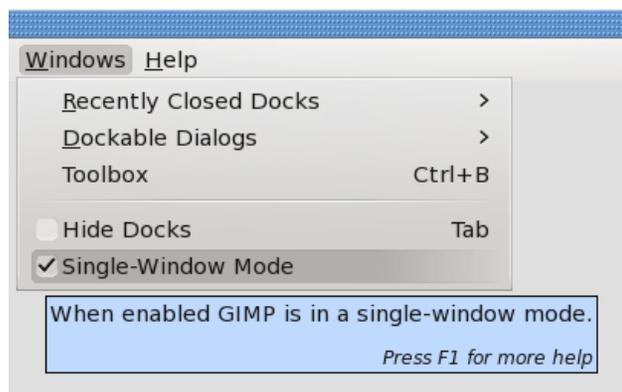
By Mark Szorady



Find at Least Seven Differences Between Cartoons!



Answers on Page 38.



# Forum Foibles: PCLinuxOS Summer Cookbook

*It's Cookbook time again  
Oh how we love to eat  
And if somebody else is fixin'  
It's even more of a treat*

*A recipe may well tell us  
What it is you are advisin'  
But a picture of the dish  
Will make it more appetizin'*

*Here are some members recipes  
And it's really not surprisin'  
All of them look delicious  
And deserve a Nobel Prizin'*



### Grilled Potatoes

I like grilled vegetables. These are potato slices coated with olive oil, garlic salt and a bit of hot pepper. We are using a small electric grill. The slices are nice and big so they don't fall through the cracks. Since the grill is small, we do the potatoes first. While the crispy taters go well with the meal, they are usually gobbled up while waiting for the chicken to finish grilling. Green peppers, onions, tomatoes and zucchini squash are also favorites we put on the grill.



### Tabouli

This is a Middle Eastern dish made with bulgar wheat and chopped vegetables. I don't know the recipe because I stay clear of the kitchen when it is being made. Too much slicing and dicing for me. I just clean up the kitchen after the mess is made. While there are different varieties, ours is made with chopped tomatoes, green pepper, onions and parsley. It is marinated in olive oil and vinegar, salt and pepper and oregano. It is delicious and even better the next day if any is left over. Our kids called it tapooli and tapooli it remained.



Rudge

## Chicken Pot Pie

I have always been interested in cooking because as a kid, my Mom used to "pretend" to let me help. Most of my time was spent licking spoons that had been used to make the frosting on a cake. But I must have paid closer attention to what she was doing than I thought. Some basic, valid cooking techniques have been embedded into my brain that I never learned though a cooking class of any kind. I instinctively knew for instance that tough cuts of meat require a long slow cooking process and that eggs should be a tad bit "liquid" when they come out of the pan. I also seemed to know that "Country Fried Steak" isn't done until it is "Over Done" and that a basic biscuit gravy is the main ingredient in a banana pudding.

I don't know how many people already know this but, I have been divorced, twice. Previous iterations of my life have left me with both, more information about how to cook food and less of a desire or need to do it.

One thing that always got me through the hard times was a store bought, frozen chicken pot pie. If you can find a good one, they are the bomb, or so I thought. Now that I am happily married (for 11 years now) it has given me the time and motivation to pursue my instinctive cooking knowledge. My love for those chicken pot pies that got me through those tough times inspired me to learn how to make them from scratch.

Start with a basic rye of fat, butter and flour  
Thicken that rye with a chicken broth  
Add corn, peas, sautéed onions and mushrooms  
Last, add previously cooked 1/2 inch squares of white meat chicken  
Pour that mixture into an oven safe dish  
Cover the whole thing with a pie crust and give it a thin egg wash  
Bake at 450 F until the crust is golden brown

No more tough times but no more "Frozen" chicken pot pies either!

ms\_meme

## Eggplant Lasagna

We prepare a lot of meatless meals. I have been able to give up the beef but not the cheese. I do use the low fat kind. Eggplant lasagna is a dish we enjoy. The sauce is made with tomato sauce, canned diced chili tomatoes, onions, parsley, green pepper, oregano and garlic. The eggplant is sliced thin and browned in olive oil. Layer the lasagna noodles, mozzarella or cheddar cheese, sauce and eggplant in a baking dish. Bake in the oven at 350 F for about 40 minutes. Sorry I did not give exact ingredient amounts. We just keep adding and stirring until it looks like enough.

If eggplant is not available, we substitute canned spinach, cooked cauliflower or sautéed cabbage and carrots. We are never without vegetables at our house. If the lasagna is served with red wine and French bread you won't notice the vegetables.



*Smileeb*

### Jalapeno Peanutbutter Sandwich

I'm like some of the recipe placers and like to mess around in the kitchen. As you know I love onions and garlic and hot sauce, but not the kind that gives you blisters in your mouth. I like to cook using beer. In fact I made tht beer can hot sauce chicken a few times.

Usually when we go to my brother-in-laws campsite on the 4th of July, I have a big seal a meal bag of chicken to cook up. It has been soaking in all sorts of spices, hot sauce solution in the bag for better than a day. I spoon the solution over the chicken while it is cooking on the grill. Sure smells great when cooking and tastes great also.

Here's a recipe that has has another hot flavor. Cover a slice of jalapeno bread heavily with butter. Cover another slice heavily with crunch peanut butter. Smack those slices together and let your mouth enjoy a great experience. If you make one of these peanut butter sandwiches, try it toasted with plenty of butter on the outside. After one you will want more!

Good cooking!



*Meemaw*

### Cucumber Salad

Slice 2 cucumbers & 1 onion.  
Put in a bowl and cover with vinegar or 1/3 c vinegar + 1/3 c water, depending on how sharp you want it.

You can add 1 to 2 tablespoons of sugar. Salt (1/2 t.) & pepper (1/8 t).

Mix well. Cover and let sit overnight in refrigerator.

This makes a tangy side dish for summer when everyone's gardens are full of cucumbers. It can be garnished with chopped dill.

# Copy Files Securely Between Local Machine & Shell Account

by AndrzejL

Lets say that I have created a VERY important file. Its a file called example.txt, and it's placed in my home (~) folder:

```
touch ~/example.txt
```

I want to copy this file to my remotemachine.net, mylogin's home folder, but I don't want anyone to be able to sniff the file's content. The remote machine has SSH server running. Scp is perfect for this task. It uses encrypted ssh.

How to use it?

Syntax:

```
scp /path/to/secret/file.ext  
who@host:/where/to/save/
```

Example:

```
scp ~/example.txt  
mylogin@remotemachine.net:~
```

Result:

```
example.txt 100% 0 0.0KB/s 00:00
```

Check procedure:

Log into the remote machine:

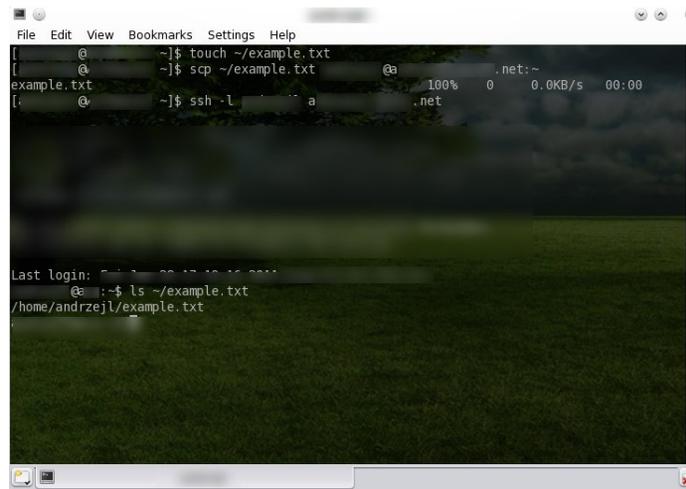
```
ssh -l mylogin remotemachine.net
```

List the file:

```
ls ~/example.txt
```

Tada!

```
/home/mylogin/example.txt
```



I hope you find this helpful.

## Visit Us On IRC

- Launch your favorite IRC Chat Client software (xchat, pidgin, kopete, etc.)
- Go to freenode.net
- Type "/join #pclosmag" (without the quotes)



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# KompoZer, Part 3: Special Formatting

by Paul Arnote (parnote)

In our short series about KompoZer, the Gtk+ based WYSIWYG HTML editor in the PCLinuxOS repository, we've covered the basic layout of the KompoZer application window, and how to use KompoZer to create a rudimentary web page. This month, we'll learn about special formatting you can do to your HTML page to add even more features.

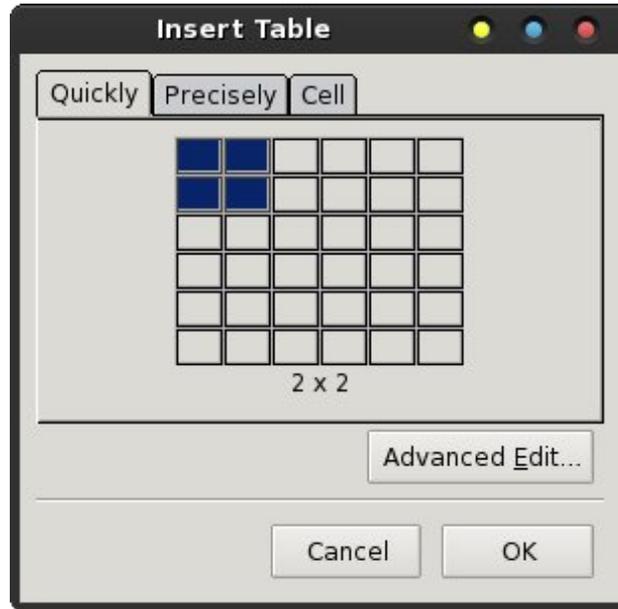
## Tables

Tables are ideal for presenting information in a very organized manner, and keeping similar content grouped together under a common heading.

For as long as I can remember, I've always dreaded creating tables in HTML. They always seemed to be unnecessarily complex – so much so, that one mistyped command just sent it over the edge. Fortunately, KompoZer makes the creation of tables very simple.

Open the HTML file we created last month, and position your text caret at the end of the text we previously entered. Hit the Enter key a few times, then select the "Table" icon on the KompoZer toolbar.

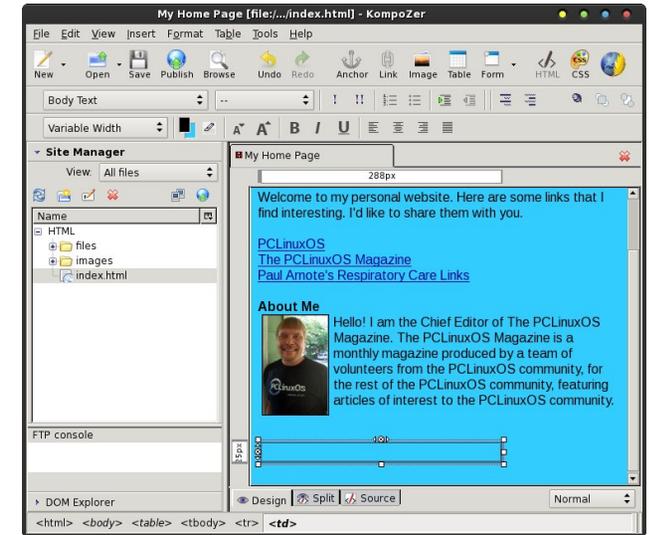
Clicking on the "Table" icon on the KompoZer toolbar causes the "Insert Table" dialog to be displayed. Here, you can decide how many columns and rows you will need in your table. Just as it is when you start to lay out your web site, having a good plan in place helps in helping to make a proper HTML table.



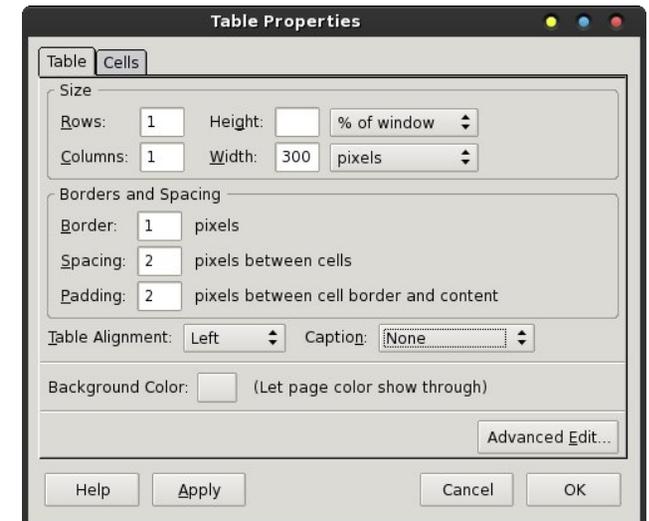
In the graphic above, the default value is a 2 x 2 table. That means that you have two columns and two rows. The dialog box allows you to select a table with up to a 6 x 6 table, or as small as a 1 x 1 table.

So you may be asking yourself, "why would I want a 1 x 1 table?" The easy answer is so that you can have more control over how your text appears in the web browser. In fact, I use 1 x 1 tables when I produce the magazine's web site. It enables me to limit the width of the text I'm entering, without resorting to inserting a "hard return" in the text. I do this to help achieve a cleaner look, where the text and data are all the same width. Using the 1 x 1 table as a formatting tool has worked to help achieve the look that I was after.

You should now have something on your screen that looks similar to that in the image below. Right click



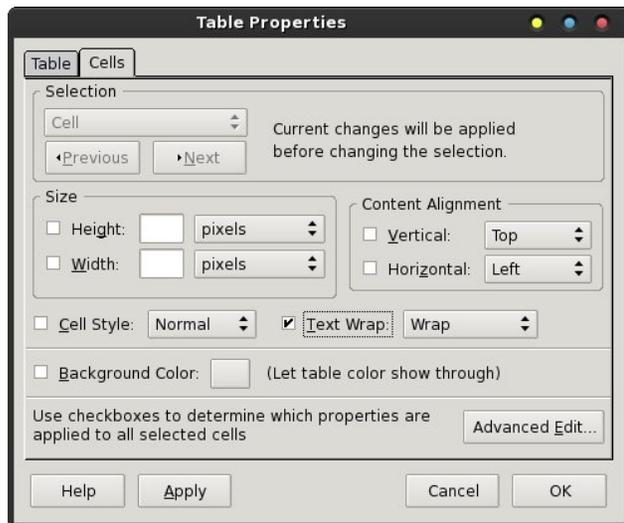
your mouse in the representation of your table, then select "Table Properties" from the context menu.



Click on the "Table" tab in the Table Properties dialog box, and your dialog box should look similar to the

one shown above. We have to alter a few settings. First, under the “Size” settings, set the width of your table to how many pixels you want your table to be. The default value is “% of window.” Just click on that dropdown listbox and change it to “pixels.” Then enter the number of pixels for the width of your table. In the example above, I have set that value to 300 pixels.

Next, under “Borders and Spacing,” you can optionally change the “Border” setting to zero (0) pixels. This will make your table invisible to your website visitors, yet allow you to use the table to help you format the text on your website. Feel free to “play around” with the “Spacing” and “Padding” setting values until you achieve the look and feel that you are after.



Now, click on the “Cells” tab.

Under the “Cells” tab, you can change the height and width of individual cells, as well as the vertical and horizontal alignment of items that appear within the cell. One thing that you will most likely want to enable is “Text Wrap.” Place a checkmark in the box next to “Text Wrap,” and insure that “Wrap” is selected from the dropdown listbox. Click on the

“Apply” button to apply your settings, and then the “OK” button to dismiss the dialog box.

Now, all that’s left is to enter the text you want to appear in the table. Since I’ve created a 1 x 1 table, that allows me to essentially use a table as a text/content formatting tool. You can place whatever you want within the table, and any/all content within a table is subject to the formatting set up in the Table Properties dialog box.

It may take you a time or two to get the hang of using tables, but once you do, I think you will soon see the worth of using tables to help you format the content of your web page.

### Anchor Links

Sometimes you want to give your website visitors quick access to a particular section of your web page. The use of “anchor links” makes this easy.



On my website for respiratory care practitioners, I have a “menu” of sorts, listing all of the sections of my web page. In part, this is what it looks like in Firefox (left).

Each one of those links in the “menu” link directly to that specific part of my web page. That makes my web page “menu” act very similar to a table of contents. Quite simply, anchors allow you to link to different areas of a web page.

Within KompoZer, an “anchor” appears just as

that – it has an image of an anchor in front of the text. Here’s one such example, taken from my respiratory web page loaded into KompoZer:



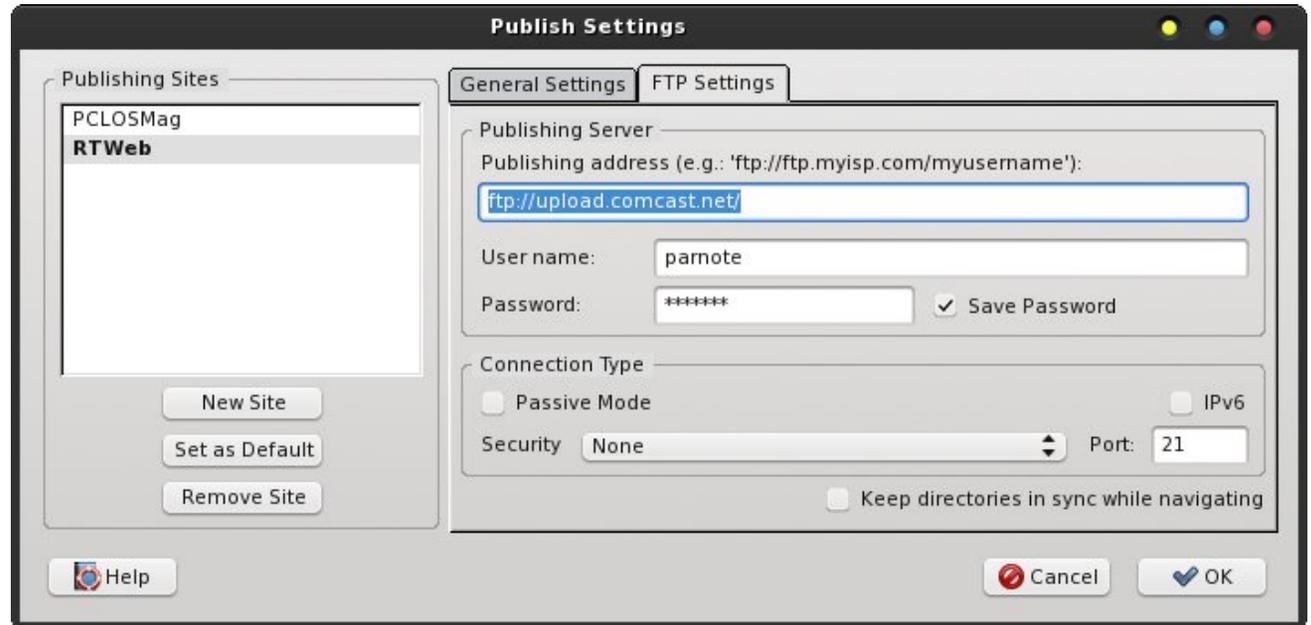
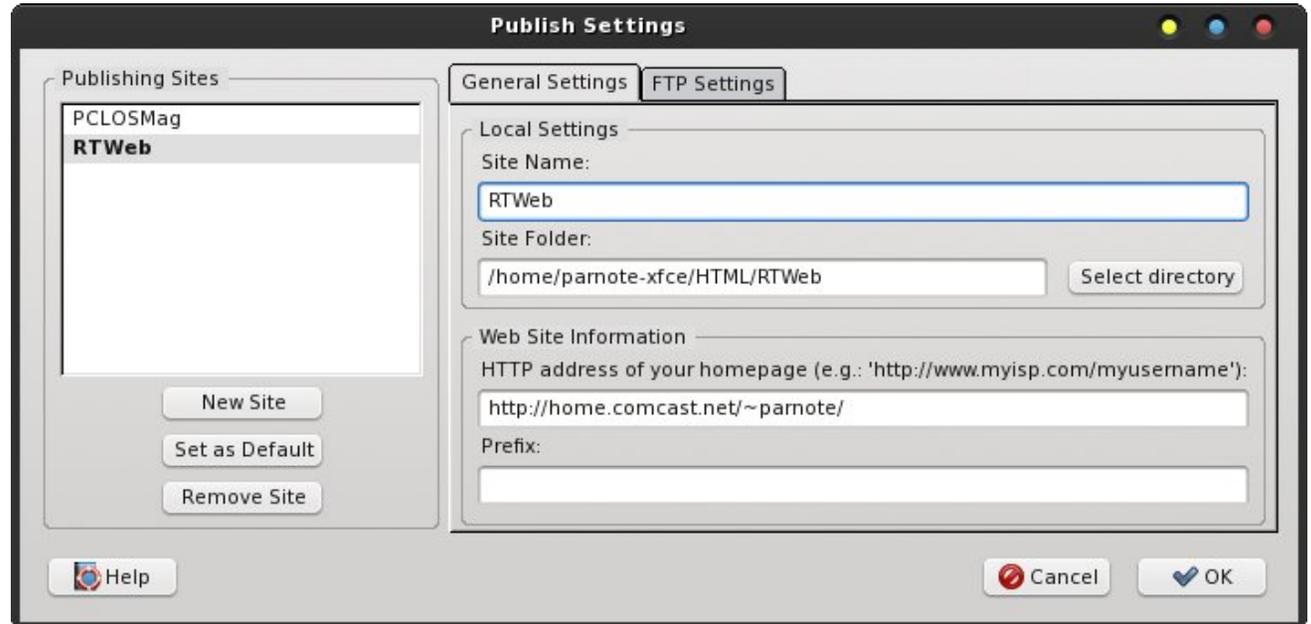
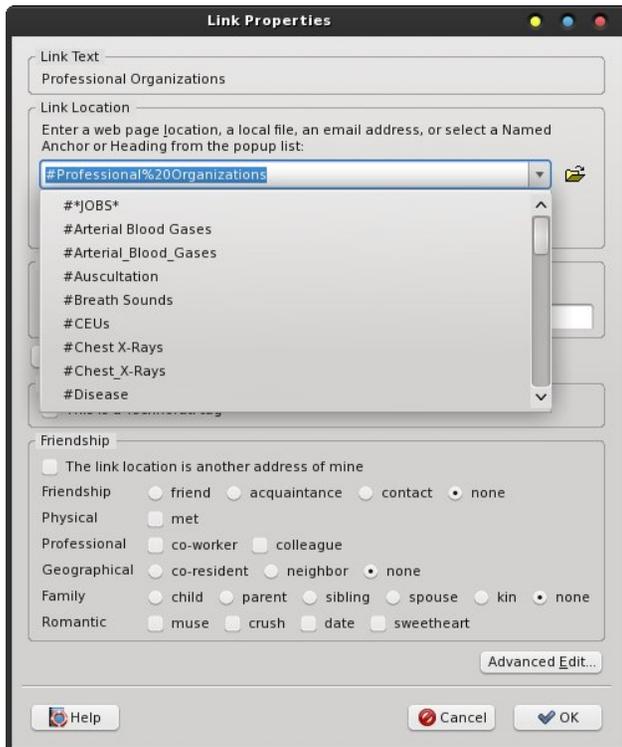
Notice the “anchor” symbol right in front of “Government Sponsored Sites.” That indicates that the text that follows (or part of the text) is an anchor. That text can be linked to, either from within the same HTML document, or via an external web link. For example, to link directly with the “Publications” section of my respiratory care web page, the address would look like <http://home.comcast.net/~parnote/#Publications>. The last part of the URL – the part that contains the “#” and the text after it – links up directly with *that* specific portion of my web page. Go ahead and try it. Just click on the link and you’ll see how it works.

Creating an anchor is very easy in KompoZer. Simply highlight the text you want to use as an anchor point, then click on the “Anchor” icon on the KompoZer toolbar.

Typically, you’ll find the “Anchor Name” field already filled in with the text that you highlighted. If you’d prefer, you can give it another name. However, I tend to just accept what already appears in the



“Anchor Name” field. It helps to keep things simple. If no text appears, just give it a name that closely resembles the text you highlighted. It makes it much easier to find the proper anchor when you go to link to it.



Now that you have the anchor defined, you can create an anchor link. When you create a link, select

the anchor you defined from the dropdown list. That's pretty much all there is to it.

### Publication

One of the nice features about KompoZer is that you can not only create your entire website using the WYSIWYG editing environment, but you can also publish your website – or just the changes to individual files – to your web host, right from inside KompoZer when you are finished.

Before you can publish your website to your web host, you will first need to set up the necessary information for KompoZer to use to connect to and negotiate file transfers between your computer and your web host.

First, go to “Edit > Publish Site Settings...” and you will see a dialog box similar to the first image on the right on the previous page. Under the “General Settings” tab, fill in all of the information that you can. Then, click on the “FTP Settings” tab.

Fill in all of the settings you can in this tab, as well, much as I’ve done in the second image on the right side of the previous page. You will need to check the “Save Password” box if you want KompoZer to remember your password.

Under “Connection Type,” be sure to check with your web host provider whether or not their server settings allow you to use “Passive Mode.” If so, place a checkmark in the box. If you are using IPv6, place a checkmark in that box. FTP is typically an insecure file transfer protocol, and you’re usually fine with not messing with the “Security” settings. Since “Port 21” is the typical port to use for FTP transfers, you should be fine with leaving the port number assigned to 21, unless your web host provider specifies otherwise.

Once you’re ready to publish your website content, click on “Publish” on the KompoZer toolbar. The entire directory contents of your web site will be uploaded to your web host. Alternatively, if you’re updating only a few files, right click on the files as they appear in the left hand pane of your KompoZer

```
FTP console
220 FTP server (Version 5.339PWS/At)
ready.
USER parnote
331 Password required for parnote.
PASS (password not shown)
230 User parnote logged in.
FEAT
500 'FEAT': command not
understood.
PWD
257 "/" is current directory.
TYPE I
200 Type set to I.
PASV
227 Entering Passive Mode
(216,87,188,9,158,244)
STOR index.html
150 Opening BINARY mode data
connection for index.html.
226 Transfer complete.
```

window, and select “Publish” from the context menu for each file you want to update.

### Summary

As you have seen, KompoZer is a very good and useful tool to use to create your web pages. Since KompoZer uses an older version of the Gecko engine (as we discussed in the first article), there are a few slight differences in how the current Gecko engine displays things. But that difference is not represent a huge or insurmountable issue. Generally, I’ve found KompoZer more than up to the task for creating and maintaining a website.

There’s a lot more to learn about HTML, along with web page and website creation. There are entire sites and books devoted to the topic. This short article series is **not** meant to be a complete or full tutorial over HTML. Rather, its intent is to showcase some of the capabilities of KompoZer, which is a very useful tool to help facilitate the construction of web pages and websites.

If you want to learn more about HTML, I would recommend that you start with the tutorials at [w3c.org](http://w3c.org), since they are the body that sets the standards for HTML. You can then use the information you gain there to branch out to other, deeper discussions and tutorials about HTML.



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Gnome Enlightenment e17

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## Screenshot Showcase



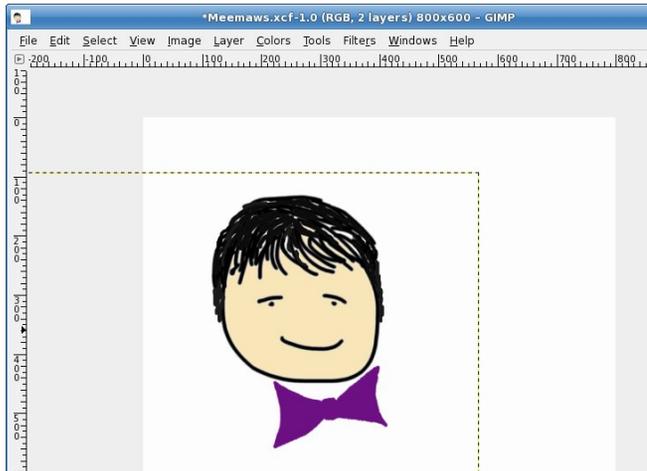
Posted by MGBguy, August 26, 2012, running KDE4.



# Graphics Tutorials: GIMP, Part 3

by Meemaw

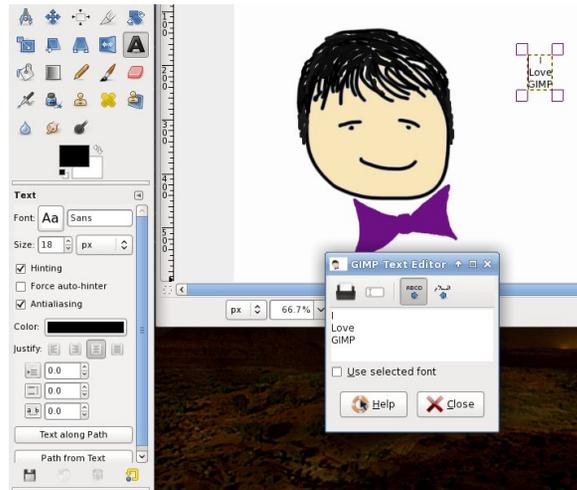
So far we've learned a little about the layout of the Gimp, and used some of the tools to draw a face and a bow. Let's experiment a little more.



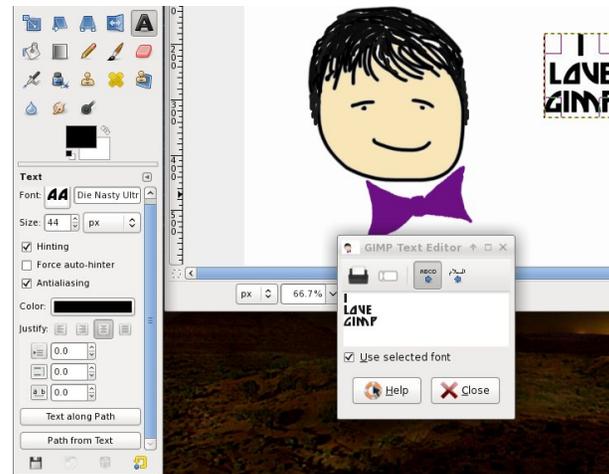
You may wonder what is going on with the Bow layer because we can see the edge of it on our drawing. That is because that layer is selected at the moment. When you choose or create another layer, that line won't show.

Let's create another layer named "Text" (you can rename it or leave it as "New Layer"). Make it transparent as well, so we can see our drawing through it. Click on the Text tool, and you will see another window pop up. It is the text editor window and, working together with the toolbox window, it contains anything you might want to use to edit text in your image. In the text editor box, you should type the text you want. I typed, "I Love GIMP" in the box. Notice that I spaced it the way I want it as well (with each word on its own line). In the tool box are the

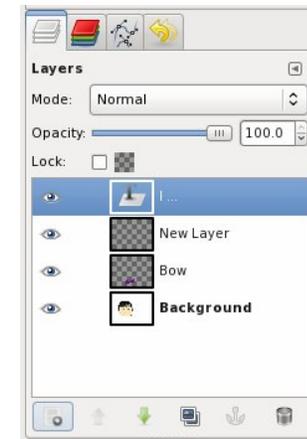
text formatting tools (font, size, color, alignment, etc) so you can make it look however you want.



I chose the font called Die Nasty, size 44, black, centered. If you check the box "Use selected font" in the text editor box, you'll be able to see what it looks like in the editor. This is good if you want to try different fonts.



Notice in your layers window that your text is not on the layer you created, but rather it is "Floating" above it. Until you are finished editing your text, it will remain as a Floating layer.



Let's do something different to our text. Right-click on the floating layer in your layer window and choose **Alpha to Selection**. You will now see that your letters of text are outlined with dotted lines. Click on the gradient tool in the toolbox and pick one of the gradients there. (I picked dark blue to light blue.) Click on one side of your text and drag to the other side. The gradient you picked should be inside the text outlines now. If you click in the top left corner and go to bottom right, your gradient will be diagonal. If you don't like it you can press <CTRL> + <Z> to undo it and try something else. After I chose the blue, I changed it to a tropical gradient.



When you have it colored the way you want it, go to **Select > None** in the menu. This will change your floating text to an image file, which can be moved to any place you want in your drawing.

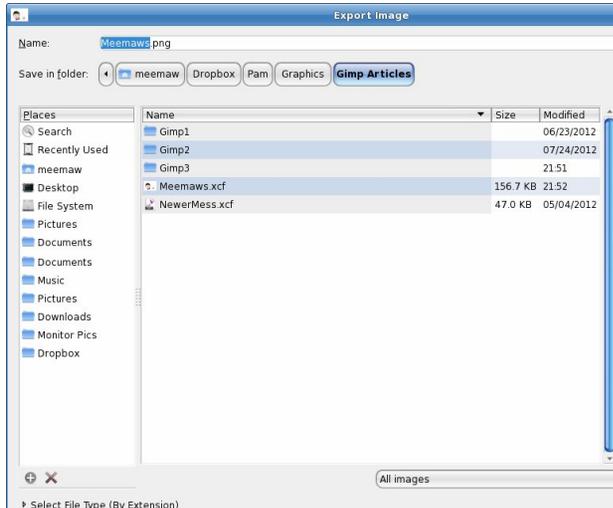


The folder location can be changed, but will probably be the same folder that your .xcf file is in. The program will assign the same name to this file as the name of the .xcf file you've been editing, but that can be changed as well. In the drop-down at the right side of the window, you will see all the file formats you can use. I use .png and .jpg most of the time, but use what you want. You will probably get at least one window with options. I generally use the defaults that are there. You will now have your basic file to edit however you want, and also an image file you can insert into another document, use as wallpaper, or print.



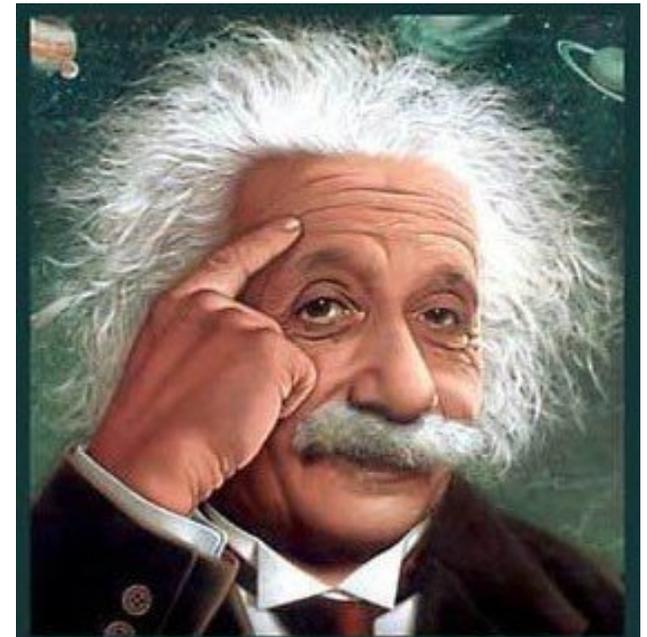
All this time, you have been saving your creation as a Gimp native .xcf file. This is good, because it preserves the layers for you so you can make changes to any of them. So what do you do if you have your drawing finished and you want to post it on the Internet as a .jpg or a .png file? With the new version of Gimp, the **File** menu is a little different.

**Save...** means save your drawing as an .xcf file. **Save As...** means save it as an .xcf file (still) but with a different file name. If you want to save it as a .png file (or any of the other recognized file formats), you will have to **Export** your drawing. It is easy, though: go to **File > Export...** and edit the entries that are there >>>>



The new version of Gimp has the single window display. You simply Click on **Windows > Single Window Mode**. When it is checked, your windows are fused together. When you uncheck it, the sections are separate. You should choose whatever mode you are most comfortable with.

Next time we'll explore more tools.



It's easier than  $E=mc^2$   
 It's elemental  
 It's light years ahead  
 It's a wise choice  
 It's Radically Simple  
 It's ...



# Watching Online Television on PCLinuxOS

by Patrick G Horneker (phorneker)

Television has been a primary source of entertainment for as long as we can remember. The way we watch television these days has changed, from the transition to all digital broadcasts back in 2009, to streaming video on the Internet, to Internet enabled television sets (of which most of them embed Linux in one form or another).

PCLinuxOS provides a number of applications that allow us to watch online video. However, there are some video services and media types that are not compatible with a stock PCLinuxOS installation. Hence, to be able to watch online video, we need to install some packages from Synaptic.

## Preparing your PCLinuxOS installation for video streaming

The first thing we need to do is to launch Synaptic. Be sure to update PCLinuxOS itself first using the *Reload, Mark All Upgrades, and Apply* method. Once PCLinuxOS has been updated, click on Sections, select Tasks, then select **task-multimedia**. This package brings in the basic components needed to view common multimedia types (and play your favorite DVDs as well). Click on Apply to install what you need.

Next, we should install the following packages for support for the most multimedia types:

gstreamer0.10-speex  
gstreamer0.10-mpeg  
gstreamer0.10-x264  
gstreamer0.10-udpau

gstreamer0.10-dirac  
gstreamer0.10-twolame  
gstreamer0.10-cdparanoia  
gstreamer0.10-aalib  
gstreamer0.10-jack  
gstreamer0.10-plugins-ugly  
gstreamer0.10-cog  
gstreamer0.10-plugins-base  
gstreamer0.10-amrwb  
phonon-gstreamer  
gstreamer0.10-plugins-bad  
gstreamer0.10-faac  
gstreamer0.10-gnomevfs  
gstreamer0.10-caca  
gstreamer0.10-amrwbdec  
gstreamer0.10-directfb  
gstreamer0.10-soup  
gstreamer0.10-soundtouch  
bluez-gstreamer  
gstreamer0.10-mpeg2enc  
gstreamer0.10-faad  
gstreamer0.10-celt  
gstreamer0.10-cdio  
libgstreamer0.10\_0.10  
gstreamer0.10-dv  
gstreamer0.10-pulse  
gstreamer0.10-resindvd  
gstreamer0.10-vp8  
gstreamer0.10-ladspa  
gstreamer0.10-jp2k  
gstreamer0.10-vaapi  
gstreamer0.10-a52dec  
gstreamer0.10-ffmpeg  
gstreamer0.10-plugins-good  
gstreamer0.10-python  
gstreamer0.10-libvisual  
gstreamer0.10-lame  
gstreamer0.10-kate  
gstreamer0.10-amrnb

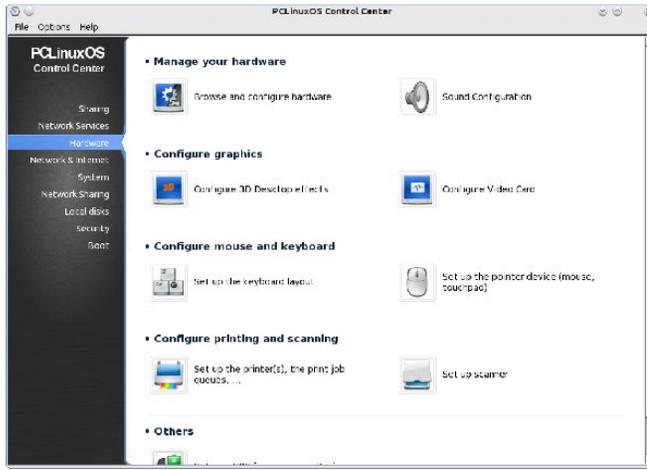
gstreamer0.10-gsm  
libgstreamer-plugins-base0.10  
gstreamer0.10-xvid  
gstreamer0.10-dts  
gstreamer0.10-flac  
libquicktime0  
libquicktime  
libquicktime-progs  
openquicktime  
libquicktime-lame  
openquicktime-apps  
libquicktime-dv  
libquicktime-x264  
libquicktime-faad  
libquicktime-faac

## Be Sure PulseAudio Is Activated

Next thing we should do is to be sure PulseAudio has been installed and activated. PulseAudio allows more than one application or process to use the audio card or audio input devices at the same time. This is useful when running audio applications under the KDE or GNOME desktops, of which both environments have processes running that use your system's audio card.

The easiest way to get PulseAudio on your system is to launch Synaptic and install the **task-pulseaudio** package. This installs PulseAudio and all packages it depends on to function. I recommend installing **paman** and **pulseaudio-esound-compat** as well for added functionality.

Once installed, run PCLinuxOS Control Center (also called Configure Your Computer), supplying the **root** (administrator) password when requested (next page).



Select *Hardware* from the sidebar, then click on *Sound Configuration*.



Next, click on *Enable PulseAudio* to activate PulseAudio. If you are connecting your PCLinuxOS machine to a home theater, or a 5.1 channel audio system, click on *Enable 5.1 sound with PulseAudio*. Otherwise, leave everything else as it is. Click on OK. You will get a message asking you to reboot to enable PulseAudio. Click on OK again to clear this message. Close PCLinuxOS Control Center, then

**reboot PCLinuxOS to enable PulseAudio**, as PulseAudio system is a process that replaces ALSA for the audio subsystem.

PulseAudio works with any application that works with OSS (Open Sound System) and ALSA (Advanced Linux Sound Architecture). The reason I recommended the **pulseaudio-esound-compat** package is that this package allows PulseAudio to accommodate applications that use ESound (Enlightenment Sound daemon, the audio process daemon designed for the Enlightenment window manager).

Once rebooted, you will no longer have access to audio mixers that work with ALSA or OSS, but then you will not need them. PulseAudio has its own mixer applications that work with KDE or GNOME, as well as other window managers.

We now have PCLinuxOS ready to handle online video and audio without interference from the GNOME or KDE daemons that take over audio functionality.

## Watch On-Line Television With a Web Browser

Applications such as Firefox, Opera, and Chromium allow you to view online videos from websites that provide such services. This is the easiest way to watch online videos as all you need is a web browser and appropriate browser plugins.

**Youtube** is the definitive source for online video of *any kind*. The people who maintain the fan site of Jim Carrey, <http://www.jimcarreyonline.com>, uploaded all thirteen episodes of Duck Factory to Youtube. Duck Factory was a sitcom produced in 1984 starring Jim Carrey about a Hollywood studio that produced a cartoon called Dippy Duck. Type duck factory jim carrey into the Youtube search to view these episodes.

Enough said here.

**Hulu** is a source for television shows and movies. The free service allows you to access television shows and movies (not the newest or the most popular) with a web browser and their embedded viewer. Hulu Plus is a paid service that allows you to view the newest television programming and videos, not only with a web browser, but with smartphones, tablets, television streaming devices and Internet enabled television sets.

Owned in part by NBC Universal (Comcast/General Electric), News Corporation, and Disney, Hulu provides some great classic television, including *Saturday Night Live* (every episode ever produced), *Mary Tyler Moore*, *Bob Newhart* (both the original series and *Newhart*), *The Dick Van Dyke Show*, *McHale's Navy*, *Green Acres*, *Night Gallery*, and older classics such as *Flash Gordon* (from 1936) and *Lone Ranger*.

This service is paid for with advertising, and you do not have to login to view content. You may sign up for an account for personalized recommendations.

Many media companies provide video on demand services (in addition to separate accounts at Youtube).

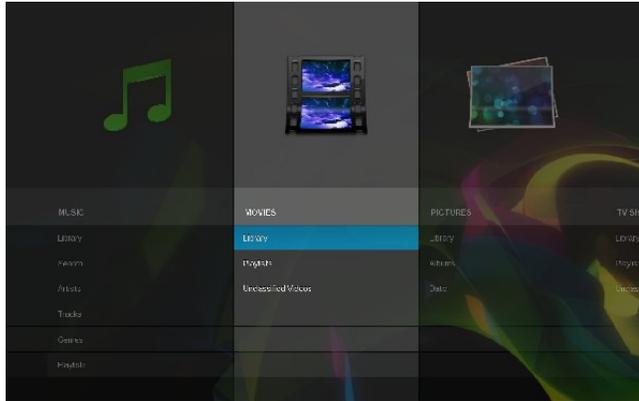
**Russia Today** offers videos you can not only watch, but freely use! <http://freevideo.rt.com>

Canadian Broadcasting Corporation has an [archive](#) you can browse for television and radio clips. *Streaming video cannot be viewed from the US due to Canadian copyright restrictions. However, you can stream **radio** broadcasts from the CBC.*

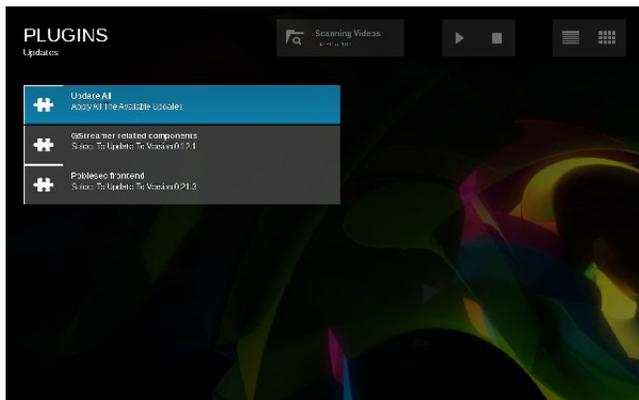
## Media Center Suites

There are several products installable from Synaptic that transform your PCLinuxOS installation into a media center. These suites are full screen applications designed for playback of media from configurable sources, including local files on your machine.

**Moovida** is a Hewlett-Packard sponsored suite written entirely in Python. Currently, only Youtube is configured for streaming video.

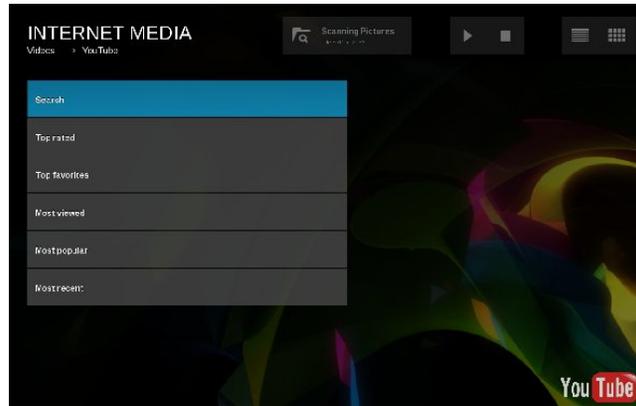


This is what you see when you launch Moovida. Clearly, this interface works best on tablets and smartphones, yet Moovida was implemented for desktops, laptops and netbooks. Navigation here is best done with your computer's keyboard (using the arrow keys, the *escape* key and the *return* key), or the scroll wheel on your mouse.



Moovida comes with a sparse collection of plugins, two of which need to be updated just after launching Moovida for the first time as we can see above. For streaming video, *Youtube* is currently the only service available from Moovida. Here, you can

search Youtube, or browse a list of top rated videos, most popular, most viewed, or recently uploaded videos.



When you launch Moovida for the first time, Moovida will recursively scan the **Pictures**, **Videos**, **Music**, and **Movies** directories in your home directory for usable media files.

## XBMC

This media center suite can run within a window manager, a desktop environment such as KDE, XFCE or GNOME, or it can take the place of a window manager. When installed from Synaptic, XBMC appears as a selection in the session menu, the same as KDE, GNOME or WindowMaker, from the login screen, either **kdm** or **gdm**.

**XBMC** stands for XBOX Media Center, and as the name implies, was designed to create a media center using the original X-Box gaming console.

When you launch XBMC for the first time, the following appears (top right):

You can use a mouse to navigate the menu system (which is in the center of the screen). Notice that submenus appear while highlighting the current selection.



Sources for video and audio are configurable through downloadable applications designed for XBMC. Applications can be activated by selecting Programs from the main menu.

As shown here, the first thing we need to do is to change a few settings. The current temperature for my location has not been set.

The *System* menu is where we configure XBMC options.



Here, we want to select *Settings* to start configuring XBMC (next page).



Here, we can select *Appearance*, where we can change themes (called skins). Skins are packages that are written in XML, and embed graphics in the same directory (not unlike themes in WindowMaker). The **xbmctex** package available in Synaptic allows you to compile your own skin packages for use with XBMC.

On the main screen, there is a current temperature displayed at the top, not unlike the GNOME Weather applet. Weather allows you to retrieve the current temperature for your city using the Weather Underground service (recently acquired by the Weather Channel).

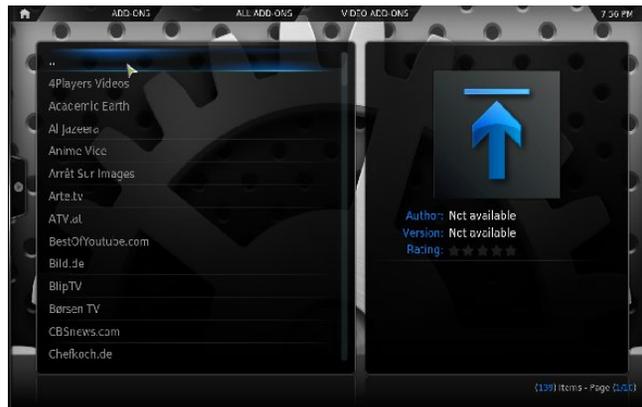
*Add-Ons* is the applications manager for XBMC. It is here where we can add sources for viewing television shows and movies, as well as photography archive services such as Flickr and Picasa, and streaming radio and customized music services.

## Video Sources Available to XBMC

Configuring sources for online video in XBMC is only two clicks away. From the main screen, select *Videos*, then select *Add-Ons* (center, top).



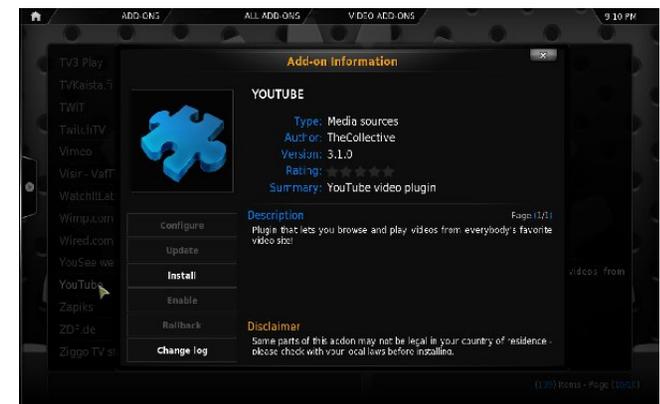
As we can see, XBMC offers 139 sources for video, including Youtube. As you scroll through the list, you will see descriptions to the right of what each application (called *Add-On*) provides to XBMC.



**Note:** *Not all add-ons are functional. Avoid installing add-ons that are marked **broken**.*

At top right, I have one of my favorite networks highlighted (Food Network). To install any add-on, simply double click on the menu item.

...and here is the Youtube add-on that allows XBMC to access Youtube videos. Also note that *WatchItLater* and *Ziggo TV Streams* are not functional add-ons (center, right).



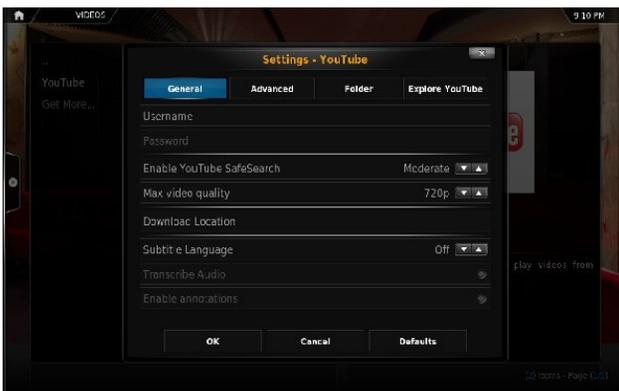
Here, we are ready to install the Youtube add-on. Click on *Install* and it instantly becomes available for use.



Click on the *Home* icon, at the upper left hand corner of your screen, then click on *Videos*.

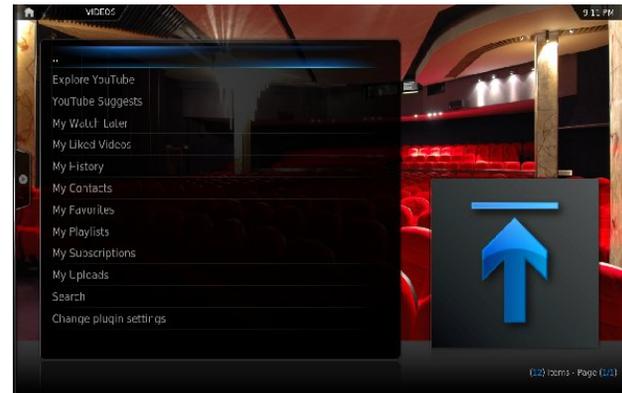


Here, we are now able to view videos on Youtube. Click on *Youtube* and we get the following:



If you have a Google account, you can login to Youtube by filling in the *Username* and *Password* fields.

Click on *OK* to exit this screen.



This is what you see when you click on Youtube after the initial setup. Let us click on *Explore Youtube*. There are numerous categories to explore. For the next example, we shall select *Classic TV*. (This article is called *Watching On-Line Television*, after all.)



We can see that whatever is classified as *Classic TV* on Youtube shows up here.

*OK*, so *The Brady Bunch* is not a great example

here. But then, public television's *Sesame Street* is classified as a *Comedy on Youtube*.

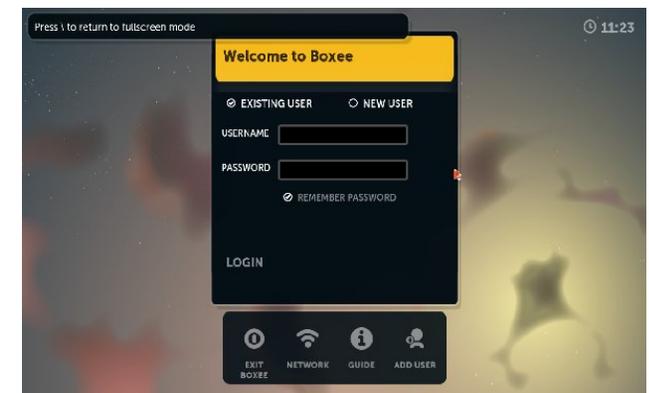
Within the results here are the number of clips that you can watch.

## Boxee

The Boxee client, installable from Synaptic, is a reworking of XBMC for use with the Boxee service (including the branding). This, of course, means you must create a user account at Boxee, which could then be used with applications for your smartphone or tablet, or on Boxee's router for television sets.

Signing up for Boxee is **free**, and can be done either with a web browser, or through the Boxee client.

Like XBMC, video, audio and photographic services are configurable through applications downloadable from within the Boxee client.



This is what you see when you launch Boxee. Here, we can login to boxee.tv using this client. If this is the first time you launch Boxee, the following will appear. Display settings will automatically be detected, so you can just click on *Next* to get to the main screen.



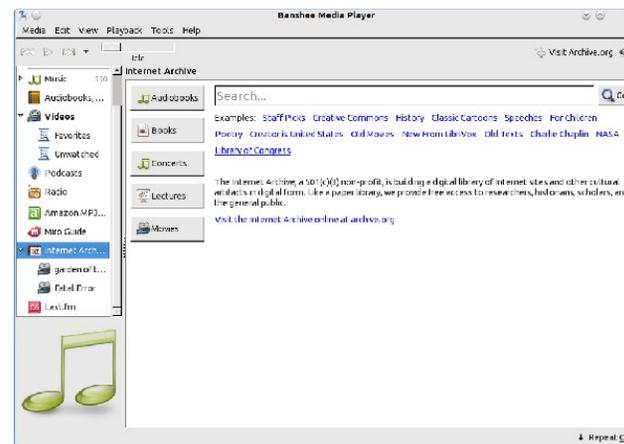
The newsfeed on the left is enabled if you have a Twitter account, and that account is enabled from the *boxee.tv* website.

Click on *TV Shows* to access a library of television programs. Boxee displays 200 of their most popular television series. The *Apps* item allows you to access more services, including Youtube, where you can watch online video.

## Banshee Media Player

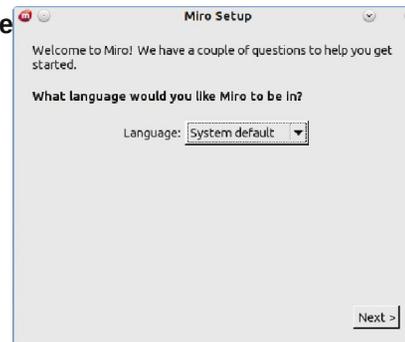
Banshee allows for viewing of online and local video files. The default Banshee configuration allows for viewing of videos from the Internet Archive (<http://www.archive.org>) and from the Miro Guide (<http://www.miroguide.com>).

The following screenshots show Banshee displaying the Miro Guide and Internet Archive pages.



## Miro Standalone Player

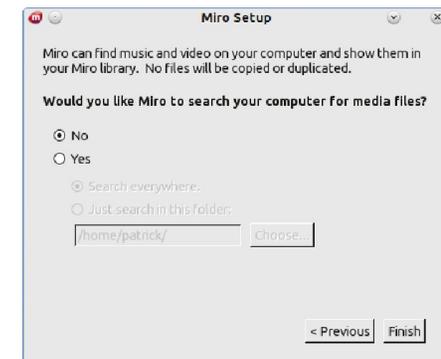
This application provides a bit more functionality than the Miro plugin for Banshee.



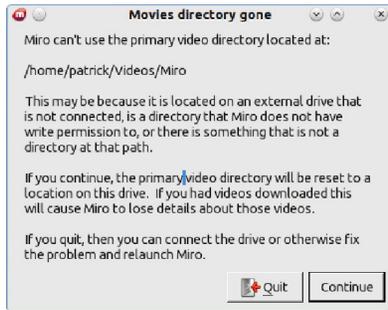
When *Miro Internet TV* is launched for the first time, you will be asked some questions in order for Miro to be setup. The first of these questions asks for the language the application is to be displayed. Obviously, we want to click *Next* here to use the English language (or whatever language is set for your PCLinuxOS installation).



As Miro uses large quantities of system resources, the default is for Miro **not** to start when KDE is launched. I recommend clicking on *Next* to this question.

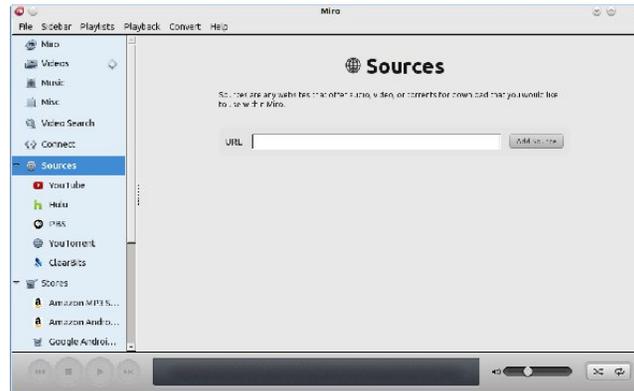


You can choose to select a directory where your video or audio files are stored. Once Miro is launched, you can add directories for Miro to search later. Click on *Finish* to setup Miro.



This message appears because there is no subdirectory called **Miro** in your **Videos** directory. This directory is not created by default. You can click on *Continue* and Miro will use the Videos directory within your home directory instead.

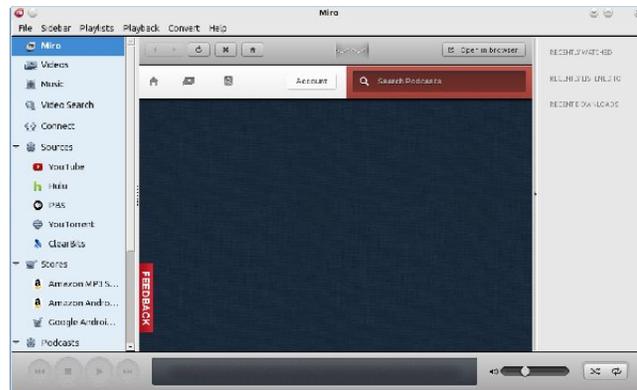
Alternately, you can click on *Quit*, then create the directory using a file manager or a terminal window (type `mkdir ~/Videos/Miro` to create the directory). Then relaunch Miro.



Of course, we can playback podcasts on Miro, with five sources here preconfigured: **TED Talk**, **Liferhacker**, **This American Life** (from National Public Radio), **The Moth Podcast**, and **VODO Promoted Works**.

*Note: Most of the content provided with Liferhacker is targeted for Windows and Mac OS-X users, and may or may not be relevant to PCLinuxOS. This of course can be changed as we use and select podcasts for viewing.*

This article is about viewing online television programs, movies and video using software available on PCLinuxOS without additional hardware such as television cards or adapters, webcams, or video capture devices.



As we can see, there are five sources preconfigured for watching online video, namely **Youtube**, **Hulu**, **PBS Online**, **Youtorrent**, and **Clearbits**. Additional sources can be manually configured as shown at center top:

One could say that Miro is a cross between a media player and a web browser (right).

**International Community  
PCLinuxOS Sites**

**PCLinuxOS.nl**

Netherlands

**PCLinuxOS**

Daykonun mekanı

**Turkey**

**PC Linux OS**

Denmark

**PCLinuxOS**

Czechoslovakia

**PCLinuxOS**

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**PCLinuxOS.it**

Italy

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Poland

**PCLinuxOS**

FINLAND

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Brazil

PCLinuxOS Magazine

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# Use Synaptic To Clone Installed Software On Another Computer

by Paul Arnote (parnote)

We're all familiar with Synaptic. You know, that front-end GUI to apt-get that we all use to keep our PCLinuxOS installation up-to-date. You are updating regularly, right?

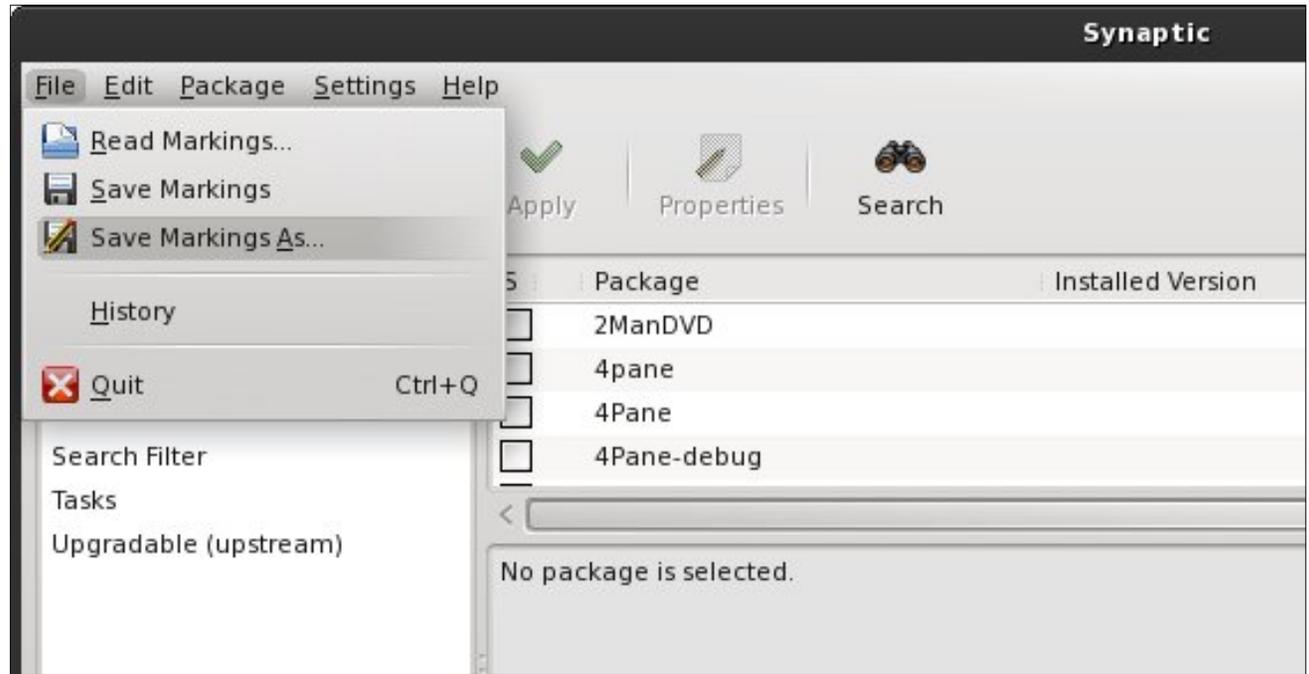
But let's say you have just bought a new solid state drive (SSD), and you need to re-install PCLinuxOS after you install the SSD. Or, maybe you bought a new laptop and you want to duplicate the installed applications from your desktop computer onto the new laptop. Or, maybe you just need to do a fresh installation – for whatever reason – but you don't want to spend hours opening and closing Synaptic to install all of your favorite applications.

I've been there, with that latter scenario. Just as soon as I close Synaptic, I remember one or two more applications that I frequently use, but forgot to install. So I open Synaptic again, install those applications (plus a few more that get jogged in my memory, usually), install those, then close out of Synaptic. A few minutes later, I remember a couple more applications. Then the cycle repeats – several times, unfortunately.

Luckily, there is a better way to help insure that all of your favorite applications are installed, the first time. Synaptic provides you with this tool, but does so in such a way that you may not even know it's even there and available. Here's what you need to do.

First, open Synaptic and make sure you are fully updated before proceeding any further. You know – Reload, Mark All Updates, Apply, etc., etc.

Then, select "File > Save Markings As..." to display the "Save As" dialog box. Since Synaptic is running

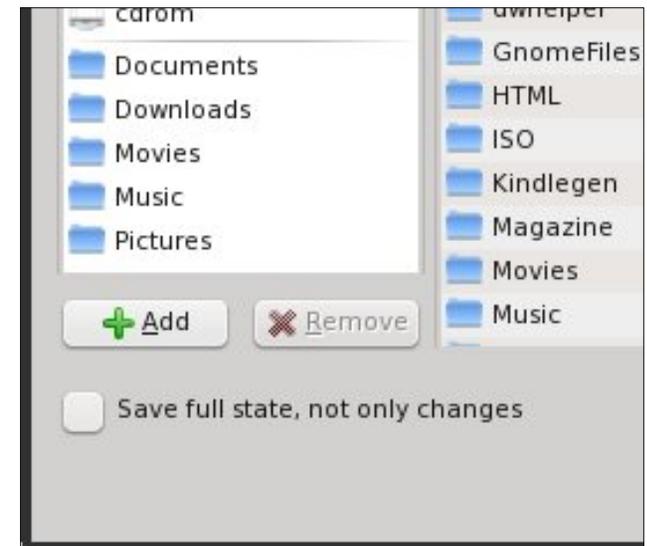


as root, you will have to select where to save it. I would suggest saving your markings to a USB flash/thumb drive, especially if you are moving that list to a different computer.

Do you notice the extra little checkbox in the lower left corner? The one that says "Save full state, not only changes"? The "secret" to this working is that you have to check this checkbox. Then, give your "markings" file a name at the top of the Save As dialog box. I use something simple and descriptive, such as "SynapticMarkingsMMDDYY.txt."

Next, click on the "Save" button to save your Synaptic markings to your USB flash/thumb drive.

Once you've done that, getting the markings onto the other computer (or the same computer, if you're



## Use Synaptic To Clone Installed Software On Another Computer

reinstalling) is very easy. Go to "File > Read Markings" in Synaptic, and select the file you saved them to in the previous steps. Then click on "Apply."

Now, go have some pizza and a soda, or go fix yourself a BLT sandwich (we all know how much PCLinuxOS users LOVE bacon) while Synaptic downloads and installs the files in your markings list. Duplicate files will be skipped. When it's all done and over, your belly will be full and all of your favorite applications that were previously installed will be present and available on your new installation.



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## Screenshot Showcase



*Posted by RobNJ, August 11, 2012, running e17.*

# Installing & Configuring VSFTPD

by D. Moore (YouCanToo)

This how-to focuses on how to setup vsftpd server on your PCLinuxOS based computer. The vsftpd stands for "Very Secure FTP Daemon". It is not just secure as the name suggests but also delivers excellent performance by consuming less memory. The tutorial also teaches you how to configure by adding FTP users and locking the directory to individual users.

## Installing vsftpd on PCLinuxOS

Open the Synaptic Package Manager and do a search for vsftpd.

Now Mark the package for installation and click apply.

WARNING: if you have any other ftp server installed, it will be removed when you install vsftpd.

Click apply again. VSFTPD will now be installed onto your system. Click "close" and then you can exit Synaptic.

## How to configure vsftpd

Before we get started we need to make sure the vsftpd daemon is stopped. You can do this in a console window as root. You should see something like this:

```
[root@laptop dwmoar]# service vsftpd stop
Shutting down vsftpd:
[FAILED]
[root@laptop dwmoar]#
```

Now we need to edit the vsftp.conf file. In your favorite text editor as the root user, open the /etc/vsftpd/vsftpd.conf file.

We need to change the following options:

1. We don't want any anonymous logins:

Uncomment the following and change to the following

**anonymous\_enable=NO**

2. Enable local users:

Uncomment the following and change to the following

**local\_enable=YES**

3. The ftpuser should be able to write data:

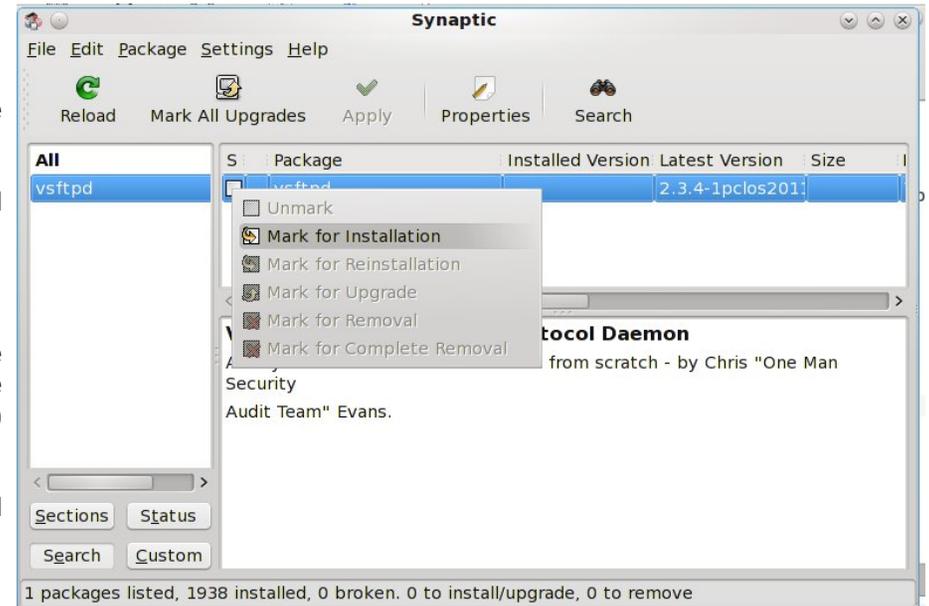
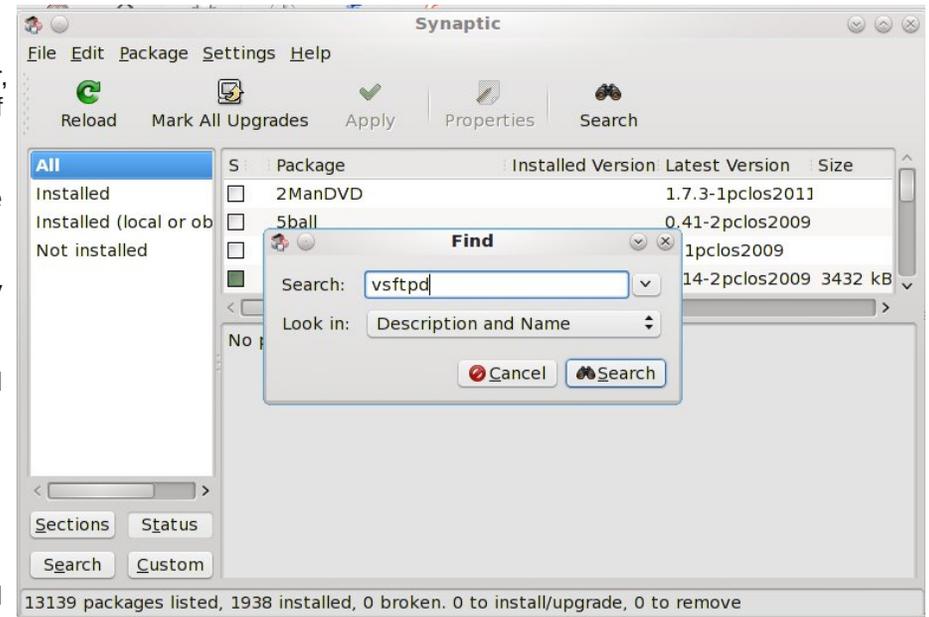
Uncomment the following and change to the following

**write\_enable=YES**

4. Set umask to 022 to make sure all files and folders have proper permissions. (files (644) folders (755))

Uncomment the following and change to the following

**local\_umask=022**



5. Turn off port 20, This makes vsftpd run less privileged:

Uncomment the following and change to the following

```
connect_from_port_20=NO
```

6. Chroot everyone: Make sure no one can snoop in anyone else's directory.

Uncomment the following and change to the following

```
chroot_local_user=YES
```

--- Our basic configuration is now complete. ---

Let's now start the vsftpd service

In a console window as the root user, type in the following

```
service vsftpd start
```

You should see something like this:

```
[root@laptop etc]# service vsftpd start
Starting vsftpd for vsftpd:
[ OK ]
[root@laptop etc]#
```

If you see the word "FAILED" this means there was a mistake in the configuration file. Go back, double check your work and try again.

Congratulations if you got the "OK". Your ftp server is up and running.

Now let's add a new ftpuser.

Since vsftpd has no gui we will need to do the following from a console window as root.

```
adduser -d
/path/to/the/ftpusers/home/directory -s
/usr/bin/bash ftpuser*
```

where ftpuser\* is the ftpuser's name.

--- EXAMPLE ---

```
[root@laptop etc]# useradd -d
/home/mastermind -s /usr/bin/bash
mastermind
```

```
[root@laptop etc]#
```

Setup a password for the ftpuser

```
passwd ftpuser*
```

where ftpuser\* is the name of the user.

--- EXAMPLE ---

```
[root@laptop etc]# passwd mastermind
Changing password for user mastermind.
New password:
Retype new password:
passwd: all authentication tokens updated
successfully.
[root@laptop etc]#
```

NOTE: the password is not echoed to the screen so make sure it is entered the same both times.

In order to enable the ftpuser to read and write the data in the home directory, change the permission and take ownership:

```
chown -R ftpuser
/path/to/the/ftpusers/home/directory
chmod 755
/path/to/the/ftpusers/home/directory
```

--- EXAMPLE ---

```
[root@laptop etc]# chown -R mastermind
/home/mastermind
[root@laptop etc]# chmod 755
/home/mastermind
```

Create a userlist file and add the user.

```
nano /etc/vsftpd/vsftpd.userlist
```

and add the user

```
ftpuser*
```

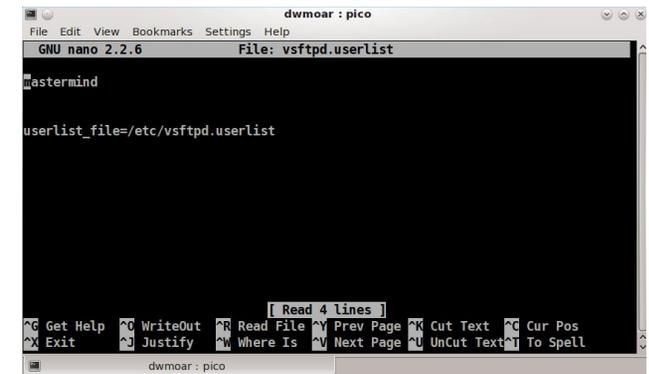
where ftpuser\* is the actual username

on a new line add the following

```
userlist_file=/etc/vsftpd.userlist
```

Now save your file.

--- EXAMPLE ---



One last change. Now create a usergroup and add the ftpuser to it:

```
usermod -G ftpuser ftpuser*
```

where ftpuser\* is the actual username.

--- EXAMPLE ---

```
[root@laptop vsftpd]# usermod -G mastermind
mastermind
```

Now restart the vsftpd service

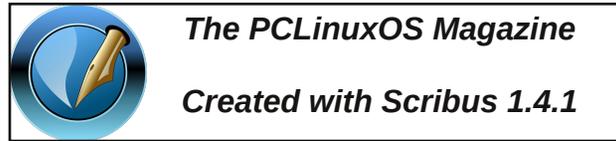
```
service vsftpd restart
```

You should see something like this

```
[root@laptop vsftpd]# service vsftpd
restart
Shutting down vsftpd:
[ OK ]
Starting vsftpd for vsftpd:
[ OK ]
[root@laptop vsftpd]#
```

If you see "FAILED" go back and recheck your work.

That's it. Now you have a secure installation of vsftpd on your machine.



## Screenshot Showcase



Posted by gseaman, August 3, 2012, running KDE4.



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# Running Wireshark as a Regular User

by AndrzejL

Wireshark is a network packet sniffer. When opening it as a regular user, I had no capturing interfaces to use as a source for sniffing. I don't feel comfortable running Wireshark as root. Nothing should be run with root privileges unless there is absolutely no other option. So I have decided to mess around with Wireshark and to enable the packet capturing for a non-root user. After a bit of search online I was able to do so.

Here is how.

I assume that you have PCLinuxOS installed / fully upgraded and that you have installed Wireshark.

Run those commands to allow non-root user the Wireshark access:

```
su
```

give it a root password

```
apt-get --yes install libpcap libcap-  
utils
```

give it some time to finish.

```
groupadd wireshark
```

```
usermod -a -G wireshark andrzejl
```

you need to change **andrzejl** to your log in

```
cgrp wireshark /usr/bin/dumpcap  
chmod 750 /usr/bin/dumpcap  
chmod o+x /usr/bin/dumpcap  
setcap cap_net_raw,cap_net_admin=eip  
/usr/sbin/dumpcap  
getcap /usr/bin/dumpcap
```

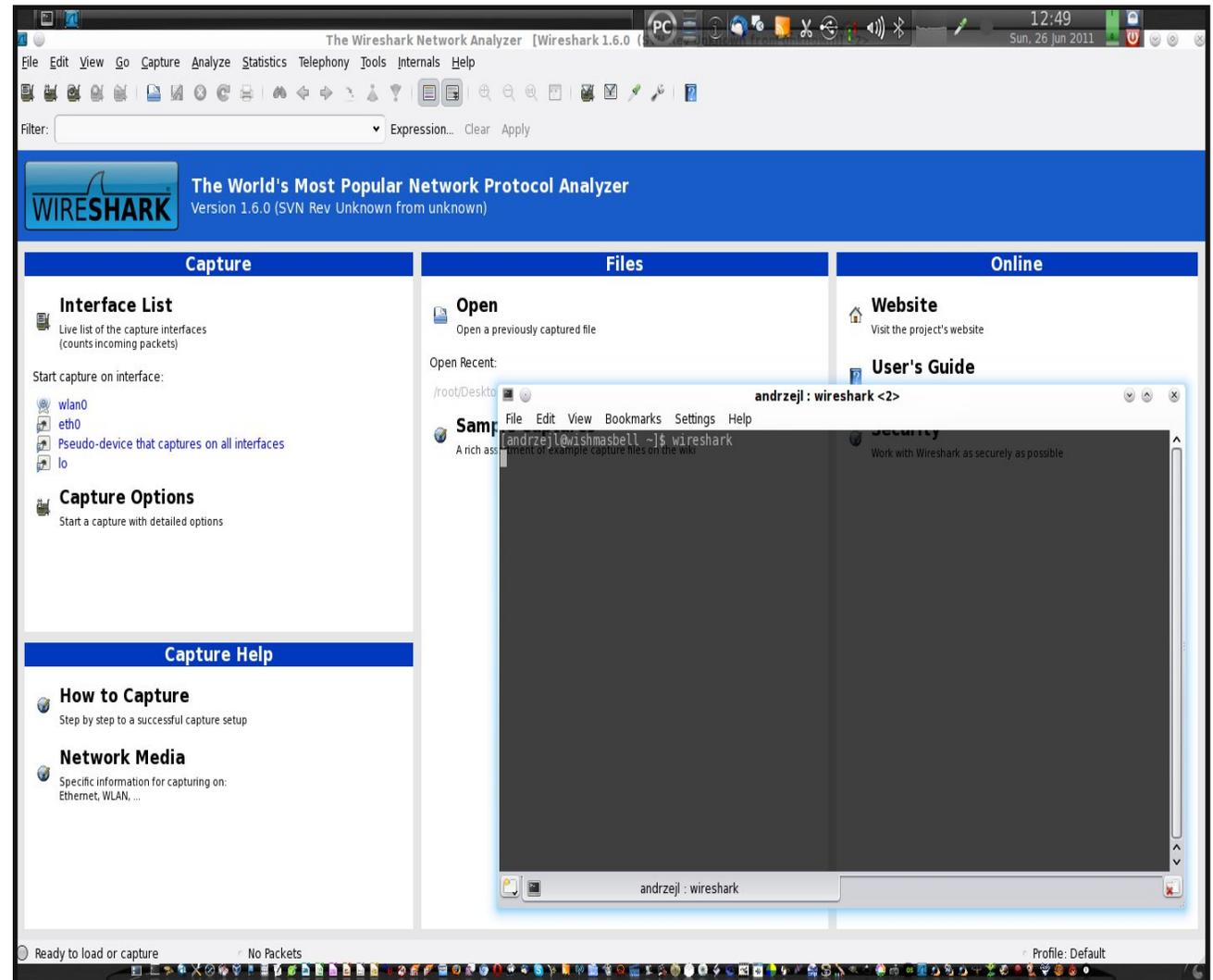
after that you can run:

```
exit
```

```
wireshark
```

This will start Wireshark from your user account. You should now have access to the capturing interfaces.

Hope this helps somebody someday.



# ***ms\_meme's Nook: PCLOS Waltz***

I was surfing with my darlin' on that old Windows System  
When an old friend just happened by  
Introduced her to my darlin' and while they were surfing  
She said, "Why not Linux you try?"

I remember the night as they surfed without stress  
And I know they will always be blessed  
Yes I lost my little darling the night we were surfing  
Now he'll only use PCLOS



Well I surfed by myself on that old Windows System  
Alone and forlorn I did cry  
Then I went to the Forum where they were surfing  
And they said, "Why not Linux you try?"

I remember that night and I must confess  
To Windows I'll never regress  
And I found a new darlin' when on Linux a surfing  
And we only use PCLOS

**MP3**

**OGG**

# Remaster YOUR PCLinuxOS Installation

by AndrzejL

I have seen this question on multiple occasions: "My PCLinuxOS works just the way I wanted it to and I want to back it up. How do I create ISO from it?" Today, I have decided to show you how I do it.

**First step:** Check that you have **drakx-finish-install** installed. Issue this command:

```
rpm -qa | grep drakx-finish-install
```

If the output looks something like this (lines separated for clarity):

```
[andrzej1@wishmasbell ~]$ rpm -qa | grep drakx-finish-install
```

```
drakx-finish-install-12.80-2pclos2011
```

```
[andrzej1@wishmasbell ~]$
```

you are good to go. If not, issue this command:

```
su -c "apt-get update && apt-get --yes install drakx-finish-install"
```

Give it the root password when asked, and some time to finish. Then, run

```
rpm -qa | grep drakx-finish-install
```

again. This time system should indicate that the package is installed.

**Second step:** Check for free space. Issue this command:

```
df
```

The output will look something like this. Of course you can have less (or more) partitions mounted in different mount points, but you will have at least one / partition.

```
[andrzej1@wishmasbell ~]$ df
Filesystem Size Used Avail Use% Mounted on
/dev/sda1 25G 19G 5.1G 79% /
/dev/sda6 9.9G 8.8G 1.1G 89% /home
/dev/sda7 37G 35G 895M 98% /media/Disk_1
/dev/sda8 37G 33G 2.4G 94% /media/Disk_2
/dev/sda9 20G 9.9G 8.9G 53% /media/Disk_3
/dev/sdb1 74G 26G 44G 37% /media/Disk_4
[andrzej1@wishmasbell ~]$
```

Now you can see which disk has enough space in it to create the ISO. In my case, it's the **/media/Disk\_4** because it has 44 GB of space available.

So, let's say I want to remaster to this partition, and place it in the folder called **Remaster**. And that I want to have all my data included.

**Third step:** Prep the folder and the remaster command. Run this command:

```
su
```

Give root password and then run this command:

```
mkdir /media/Disk_4/Remaster
```

This will create a folder where we will find out iso later. Don't close this terminal window.

Now for the remastering command (all on one line):

```
mylivecd --xz --nodir ^/media/Disk_4/Remaster/ --tmp=/media/Disk_4/Remaster/ --md5sum --ufs unionfs /media/Disk_4/Remaster/my.iso
```

– **mylivecd** – script that will remaster the PCLinuxOS to the ISO file.

– **xz** – this will specify the compression method (there are other as well. Read mylivecd –help if you want to know more).

– **nodir** – the folders listed will not be added to the ISO.

– **tmp** – this will be our temporary folder for the mylivecd process.

- **md5sum** – this will embed md5sum in the ISO.
- **ufs** – this will specify the union file system.
- **/media/Disk\_4/Remaster/my.iso** – this specifies where the ISO will be written.

So, in general, the command should look something like this (lines separated for clarity):

```
su
```

```
mkdir /whatever1/whatever2
```

```
mylivecd --xz --nodir ^/whatever1/whatever2/ --
tmp=/whatever1/whatever2/ --md5sum --ufs unionfs
/whatever1/whatever2/whatever.iso
```

If your installation is not massive and bloated, after running this command it should create a remaster iso. However, sometimes you will receive error like this one:

```
mylivecd, version 0.9.4, http://pclinuxos.com/
Copyright (C) 2010, Texstar
```

```
This program is free software; you can redistribute it
and/or
modify it under the terms of the GNU General Public License
as published by the Free Software Foundation; either
version 2
```

```
of the License, or (at your option) any later version.
Disabling Services not needed on the LiveCD
```

```
running: /sbin/chkconfig -list
```

```
Creating initrd: [100.00% 00:00:07/00:00:07]
Setting filesystem parameters: [100.00% 00:00:04/00:00:04]
Creating compressed image: [100.00% 00:14:10/00:14:10]
Creating isolinux boot: [100.00% 00:00:01/00:00:01]
Creating final iso: [100.00% 00:00:00/00:00:00]
```

```
Restoring Services on the installed system
```

```
ls: cannot access whatever.iso: No such file or directory
```

```
Argument "" isn't numeric in division (/) at
/usr/sbin/mylivecd line 244.
```

```
Created 'whatever.iso' (0,000 bytes) in 00:14:25
```

This happens if you try to add too much to your ISO. Mylivecd command can create an ISO of a maximum size 4.3 GB (single layer DVD size). If you want to

remaster your installation, you will have to exclude some data from it. Now, if you have few partitions and you only want some of them added, you can exclude the rest of them by adding them to the nodir part of the command.

Let's see...

```
[andrzej1@wishmasbell ~]$ df
Filesystem Size Used Avail Use% Mounted on
/dev/sda1 25G 19G 5.1G 79% /
/dev/sda6 9.9G 8.8G 1.1G 89% /home
/dev/sda7 37G 35G 895M 98% /media/Disk_1
/dev/sda8 37G 33G 2.4G 94% /media/Disk_2
/dev/sda9 20G 9.9G 8.9G 53% /media/Disk_3
/dev/sdb1 74G 26G 44G 37% /media/Disk_4
[andrzej1@wishmasbell ~]$
```

All I want in my iso is my *l* and my *lhome* and I want to skip all the rest of the partitions...

The remastering command will now look something like this (all on one line):

```
mylivecd --xz --nodir
^/whatever1/whatever2/,^/media/Disk_1/,^/media/Disk_2/,^/me
dia/Disk_3/,^/media/Disk_4/ --tmp=/whatever1/whatever2/ --
md5sum --ufs unionfs /whatever1/whatever2/whatever.iso
```

As you can see, I have excluded 4 partitions.

The rule of thumb for adding new exclusions is (all on one line):  
**,^/where/is/it/mounted/**

```
mylivecd --xz --nodir
^/whatever1/whatever2/,^/where/is/it/mounted/ --
tmp=/whatever1/whatever2/ --md5sum --ufs unionfs
/whatever1/whatever2/whatever.iso
```

If you want to exclude just one user's home from the entire /home partition, add (all on one line):

```
,^/home/oneuser/
```

```
mylivedcd --xz --nodir  
^/whatever1/whatever2/,^/home/oneuser/ --  
tmp=/whatever1/whatever2/ --md5sum --ufs unionfs  
/whatever1/whatever2/whatever.iso
```

If you want to exclude your entire /home partition, add ,**^/home**(all on one line):

```
mylivedcd --xz --nodir ^/whatever1/whatever2/,^/home/ --  
tmp=/whatever1/whatever2/ --md5sum --ufs unionfs  
/whatever1/whatever2/whatever.iso
```

After properly adjusting your command, you should be able to create a good working ISO. Try it in VirtualBox before you burn it to the CD/DVD. Sometimes, the remaster process creates an unusable ISO, and I wouldn't want you to create a whole bunch of coasters before you get it right.

Now to get the md5sum file:

I assume that you created the ISO in `/whatever1/whatever2/whatever.iso` location.

Issue these commands then:

```
cd /whatever1/whatever2  
md5sum ./whatever.iso > ./whatever.md5sum
```

This will create the `whatever.md5sum` in the `/whatever1/whatever2` folder. The file will contain the checksum of your ISO.

Example:

```
[andrzej1@wishmasbell whatever2]$ cat ./whatever.md5sum  
d784fa8b6d98d27699781bd9a7cf19f0 ./whatever.iso  
[andrzej1@wishmasbell whatever2]$
```

What if your command line contains spaces?

If you have partitions or folders that contain spaces, you will be interested in this "special case" scenario. Say, for example, you have the following partition:

```
/dev/sda7 37G 35G 895M 98% /media/Windows 7
```

If you want to exclude this mount point from the remastering process you need to add `\` before the space in the command like this:

```
--nodir ^/whatever1/Windows\ 7/
```

Otherwise, you will receive a **FATAL: Too many command-line arguments** error.





Open Source Initiative



A magazine just isn't a magazine without articles to fill the pages.

If you have article ideas, or if you would like to contribute articles to the PCLinuxOS Magazine, send an email to:  
[pclinuxos.mag@gmail.com](mailto:pclinuxos.mag@gmail.com)

We are interested in general articles about Linux, and (of course), articles specific to PCLinuxOS.

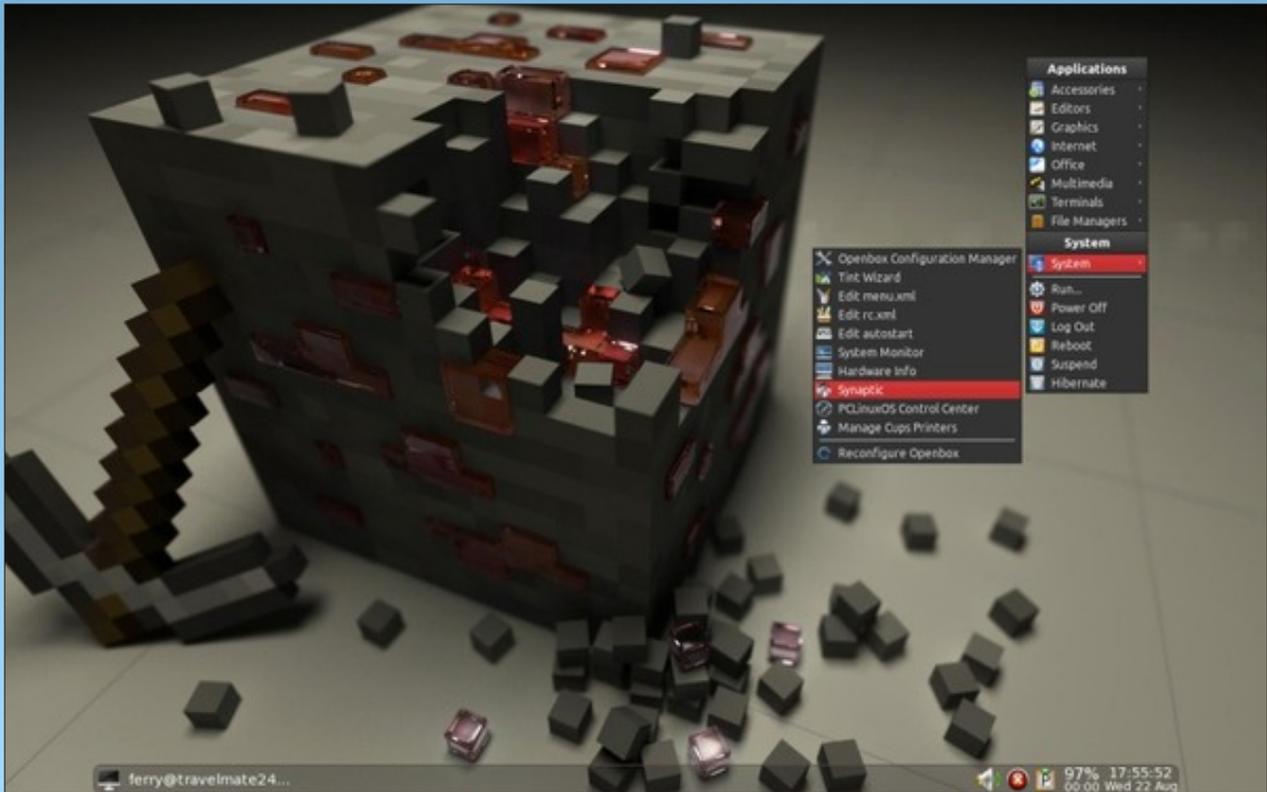


Answers to Mark Szorady's Double Take:



- (1) "Grumble" changed to "sigh"
- (2) Mouth different;
- (3) Hair longer;
- (4) Backpack different;
- (5) Bush different;
- (6) Hat bill small;
- (7) Shirt stripes different

# Screenshot Showcase



Posted by ferry\_th, August 22, 2012, running Openbox.



# LibreOffice 3.6: New Features Galore



by Paul Arnote (parnote)

Ever since the Document Foundation forked development of OpenOffice to LibreOffice, the development team has forged steadily ahead with improvements to the OpenOffice code base.

Initially, most improvements were to clean up the code by removing unused sections of code that still existed, removing outdated and seldom used functions, and improving the structure of the remaining code.

Now, several releases later, the LibreOffice development team has hit full stride. With the August 2012 release of LibreOffice 3.6, there are many enhancements to the open source office suite that has become the favorite of office suite users around the world.

Below is a rundown of many of those enhancements. To update your LibreOffice installation on PCLinuxOS, simply re-run lomanager and follow the prompts. New features and improvements that were labeled as being exclusive to either Windows or OS-X users have been omitted. You can view the entire list of features and improvements [here](#).

## Featured Updates

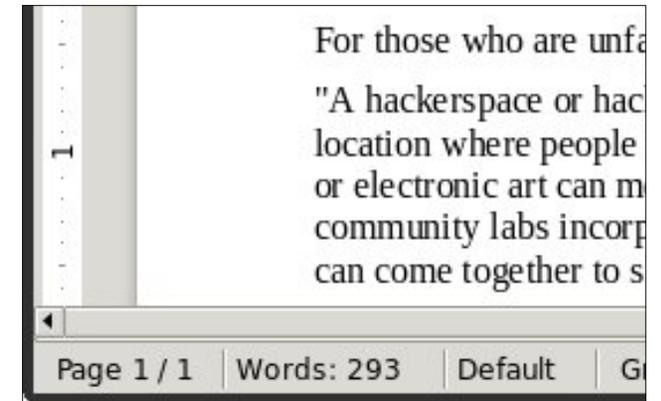
- Support for color scales and data bars. Import from .xlsx and import/export from/to .ods in ODF 1.2 (extended). Warning: Some limitations still apply which will be fixed in 3.7.0.
- Added Word Count to status bar.
- PDF Export with Watermark option.
- 10 new Impress master pages.
- Support for importing Office SmartArt.
- Import Filter for Corel Draw documents.

## New Writer Features



- Format paintbrush can now differentiate character automatic formatting applied to paragraphs from those applied to text portion inside the paragraph.
- Support for contextual spacing.
- VML import now handles lines, rotations and flips.

- DOCX import now handles GetExpression and SetExpression fields.
- RTF/DOCX import/export handles document zoom settings.
- Pressing "Ctrl+[ " will decrease or "Ctrl+]" will increase the font size of the selected text, respectively. (Note that this function is not available for all localizations but will soon be updated to offer full support to all.)



- Updates to Word Count. Added Word Count to status bar. Fixed two miscounting bugs.
- Table AutoFormats now record the following table-level properties: Break, Keep with next paragraph, Repeat heading, Allow table split across pages, Allow rows to break across pages, Merge adjacent line styles, Table shadow.



- Shows Text Boundaries depending on the choice to display unprintable characters.
- Support for importing Office SmartArt.
- Extension of label definitions with form (paper, page) size. Labels which are not centred on the form are created correctly.
- All 1700+ predefined label definitions have been modified to include the form size and obsolete definitions have been removed.
- Recalculation of label positions on the form. Label definitions with gaps between labels that are wider than the right margin now produce correct documents. Existing user defined labels are automatically extended with form size.

- The form size can be entered/modified in the wizard dialog.

## New Calc Features



- "Ctrl+D" fills down in more familiar ways, filling with contents of the cell above if no cell is selected, and, filling down multiple cells with larger selections.
- New option to specify a custom sheet name prefix in new documents.
- Merge cells option added to right-click menu.
- Sheets can now be hidden and/or shown by using the sheets tab context menu.
- Improved error message for invalid sheet name.
- Export conditional formatting to .xlsx.
- Improved CSV file import, including: handle lines with more than 64k characters, differentiated different error messages, better handling of broken CSV files where generator didn't follow RFC 4180

August 2012 Progress Tracker.ods (read-only) - LibreOffice Calc

	A	B	C	D	E	F	G
1	Article/Section	Author	Assigned To	Finalized	Materials	Typesetting	Proofreading
2	Magazine Cover	Meemaw	PA	Done	Done	Done	Done
3	Table Of Contents	Paul Amote	PA	To Be Done	To Be Done	To Be Done	To Be Done
4	Editor's Welcome	Paul Amote	PA	To Be Done	To Be Done	To Be Done	To Be Done
5	Forum Foibles	ms_meme	MM	HOLD	HOLD	HOLD	HOLD
6	ms_meme's nook	ms_meme	MM	HOLD	HOLD	HOLD	HOLD
7	Double Take & Mark's Quick Gimp Tip	Mark Szorady	MS	Done	Done	Done	Done
8	Linux Financial Apps: KMyMoney	Meemaw	PD	Done	Done	Done	Done
9	KompoZer, Part 2: Let's Get Started	Paul Amote	PA	Done	Done	Done	Done
10	Embed PDF's in Firefox With Evince via MozPluggler	Paul Amote	PA	Done	Done	Done	Done
11	Game Zone: Counter Strike: Source	glamdring	PD	Done	Done	Done	Done
12	Networking on QEMU, Setting Up E1000 and Novell NE2000 ISA Emulation	Patrick Homeker	PD	Done	Done	Done	Done
13	Graphics Tutorials: GIMP, Part 2	Meemaw	PD	Done	Done	Done	Done

quote rules, import numbers in scientific notation without having to check "import special numbers," better initial default separators, comma, semicolon and tab.

- Added a "Save cell formulas instead of calculated values" option to CSV export.
- New spreadsheet functions as defined in ODF OpenFormula: DATEDIF, IMTAN, IMSEC, IMCSC, IMCOT, IMSINH, IMCOSH, IMSECH and IMCSCH
- Added support for field items in cells.
- Calc now allows sorting of data from the autofilter menu.
- Calc now supports allowing pasting only text, value, or formula from the context menu.
- Detailed configuration options for formula calculation. You can now configure the reference syntax for built-in function: INDIRECT.
- The limitation of 3 sort entries has been removed.

- Default number of sheets for new spreadsheets has been changed to 1.

- Support for X errorbars in scatter and bar charts, importing and exporting to .xls and .ods when using ODF 1.2 (extended).

- Support for color scales and data bars. Import from .xlsx and import/export from/to .ods in ODF 1.2 (extended). Warning: Some limitations still apply which will be fixed in 3.7.0

- New dialogs for conditional formats to support color scales and data bars.

## New Impress Features

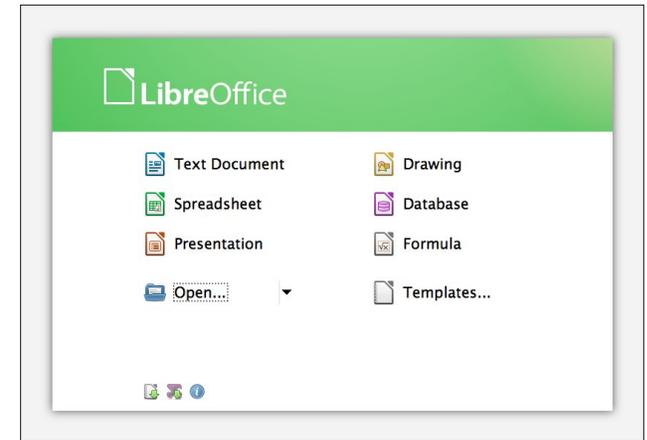


- Added widescreen format for Impress slideshows.
- Impress now correctly detects the external display and puts the presenter console on the local display.
- 10 new Impress master pages.

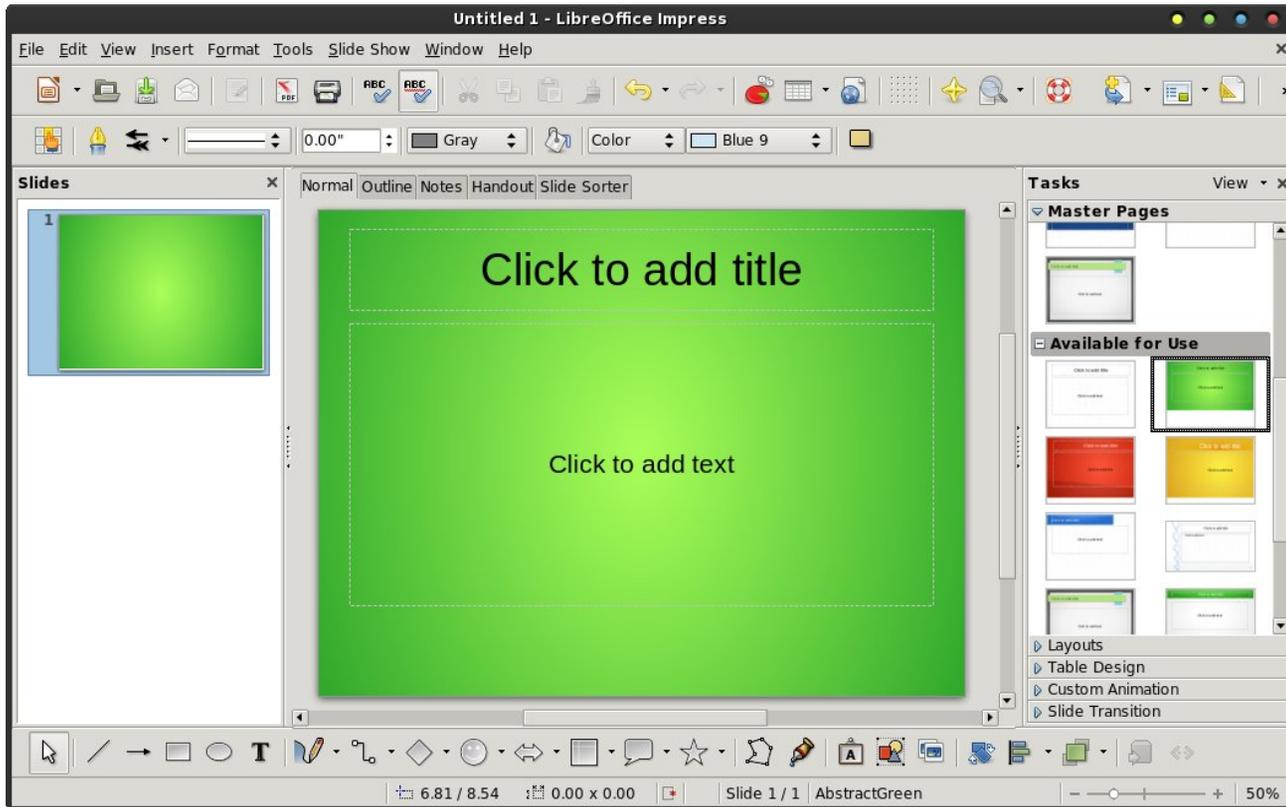
# LibreOffice 3.6: New Features Galore

## New GUI Features

- Rulers are now much cleaner and more lightweight.
- New Splash Screen.
- A redesigned "About" dialog for a cleaner look.
- New artwork for the Start Office.



- Clicking the ">>" overflow button will not show toolbar options anymore. The full options can be shown by right-clicking the toolbar.
- GTK themes are now able to render background gradient.
- GTK themes now have a way for tab prelight rendering.
- Writer and Calc now use split color buttons making it possible to apply the last used color with one mouse click for font, background, border and highlight colors.
- GTK theming is implemented for fixed lines and frames.



## New Math Features



- Format dialogues (Font, Font Size and Spacing) and the Symbols dialogue (Tools -> Catalog) now have a button linking to Help.

## “Other” New Features

- Basic IDE: Docked Object Catalog pane.
- Filters: ODF Export now comes with a "ODF 1.2 Extended (compact mode)" that gives better interoperability with older consumers of the Open Document Format.
- Added Lanczos algorithm for resizing of images.

- Macro recording can be activated with a separate option: Tools -> Options -> General -> Enable macro recording.
- Support for Japanese postcard paper size in all applications.
- Recent Documents list is updated on Save, Save As and Close.
- Allow for editing of read-only documents.
- Added "Support for assistive technology tools" to installation process.

- Support for Trinity Desktop Environment integration.
- Dictionary choice removed in spellchecker when there is only one dictionary active.
- Zooming now is based on a geometric progression.

## New Localization Features

- Implemented locale dependent date acceptance patterns for input of incomplete dates. This prevents erroneous detection of dates in Calc and Writer cell input and CSV file import.
- Added en-MW locale data.
- Added myv-RU locale data.
- Improved language tools (spellchecker, thesaurus and hyphenation patterns): updated pt-BR spellchecker, updated Swedish spell-check dictionary, updated French spell-check dictionary and thesaurus, updated Czech thesaurus, greatly improved German language tools with over 30,000 new words added to the German spell-check dictionary and over 7000 new symbols added to the German thesaurus, hyphenation patterns are also improved, substantial improvements to the Danish spellchecker and thesaurus.
- The default locale is now the default locale of the operating system.

## New Performance Features

- Substantially improved simple .doc/.docx import.
- Large document scrolling/re-layout/interactive editing improvements.
- Large autocorrect lists handled around twice as fast.

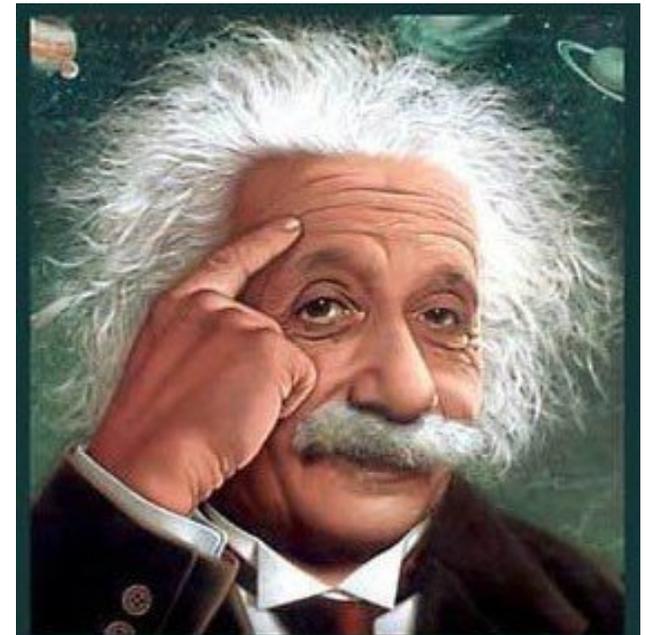
- Improved performance for pivot tables in Calc. Refreshing of pivot table should be 35-50% faster than 3.5. In addition, the memory footprint of the pivot table is greatly reduced.
- Improved performance of raw cell value import from .xlsx spreadsheets.
- Improved performance of merged cell and matrix range import from .ods files.
- Embedded HSQLDB databases are now size-minimized before being saved because Base uses "CHECKPOINT DEFRAG" instead of "CHECKPOINT". This means that the space occupied by deleted rows is really freed up.

The Twitter logo, featuring a purple bird icon and the word "twitter" in its signature lowercase, rounded font.

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It's easier than  $E=mc^2$   
It's elemental  
It's light years ahead  
It's a wise choice  
It's Radically Simple  
It's ...



# Syncing Files Via SSH Using rsync

by AndrzejL

I own a [few machines](#). One of them is my main, everyday machine. Others are my backup machines that I use when the main machine is doing a heavy task, or when I cannot access it for another reason.

Sometimes it's annoying. Really annoying. Why? Oh, for example, the pidgin config files were not synchronized between the machines. I added some contacts to the main machine pidgin configuration and I never had a chance to set them up on the rest of my machines. I had a chat or two with a friend, and the logs were not available on my other machines, so I could not check the history of the chat. I changed the configuration of Firefox on my main machine, and the other machines were not updated. Same goes for Thunderbird / e-mail settings and synchronization. Even my folders with data. It was seriously bothering me. So, I have found a perfect solution.

It's extremely simple. Assuming that you have passwordless authentication working, all you need is one command. The command should be run on the ssh client machine. In other words, you should run it on the machine you want to synchronize files to. It will connect to the remote SSH server machine and download the files from it.

```
rsync -avz -e ssh  
andrzej1@192.168.0.100:/home/andrzej1/.purple  
le /home/andrzej1/
```

This command (entered all on one line, with a space after "rsync," "-avz," "-e," "ssh" and ".purple") will connect with login andrzej1 to the SSH server running on the 192.168.0.100 machine and it will incrementally synchronize the /home/andrzej1.purple folder to the /home/andrzej1/ folder on a local

machine. I didn't add the .purple folder at the end of the command as the synchronization process will create it if it's not there. If I did add it, it would create /home/andrzej1/.purple/.purple folder.

Now imagine the possibilities. Put that command in a script and then create an automated job in crontab so it will be executed every, let's say, one hour. I did it here and it works perfectly! Your client (backup/spare) machine config files will always be synchronized with your main server machine. Your data folders can be synchronized between all your machines. Perfect. That's what I wanted.

OH BOY! Is this faster than copying the files with midnight commander. When syncing my pidgin folder to a fresh install and using mc, it could take up to 3 hours due to the fact that the logs folder has almost 60 megs, and it contains over 41,000 small files. Rsync does it in less than 20 minutes. And, later it just copies the "new" files thanks to the "increment" option. So now, it takes several seconds. Rsync rocks.

If that's not cool, I don't know what is.

If You have tightened up SSH server security and changed the SSH port from the standard use of port 22, you will have to slightly modify the command to add the port number.

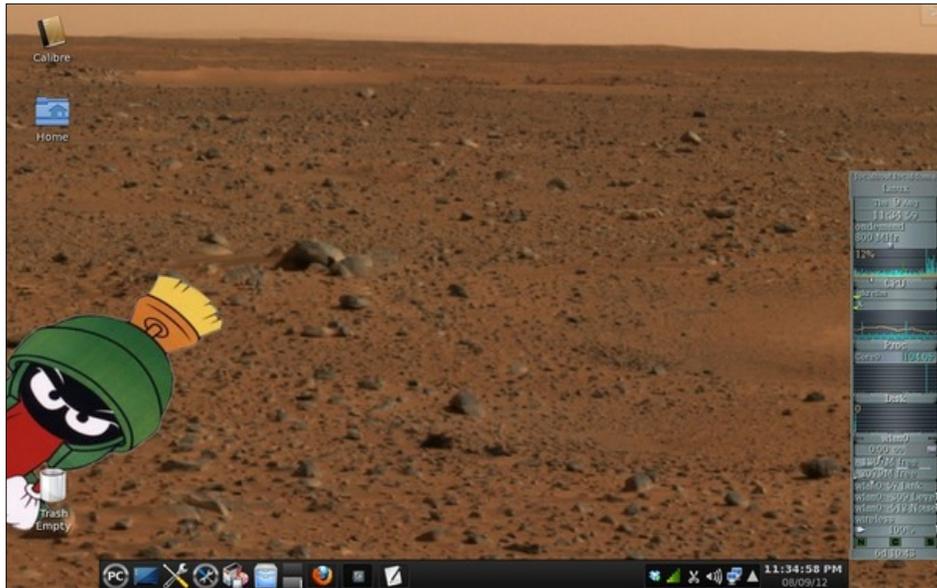
Here is what it looks like (entered all on one line, with a space after "rsync," "-avz," "-e," "ssh" and ".purple"):

```
rsync -avz -e 'ssh -p 20202'  
andrzej1@192.168.0.100:/home/andrzej1/.purple  
le /home/andrzej1/
```



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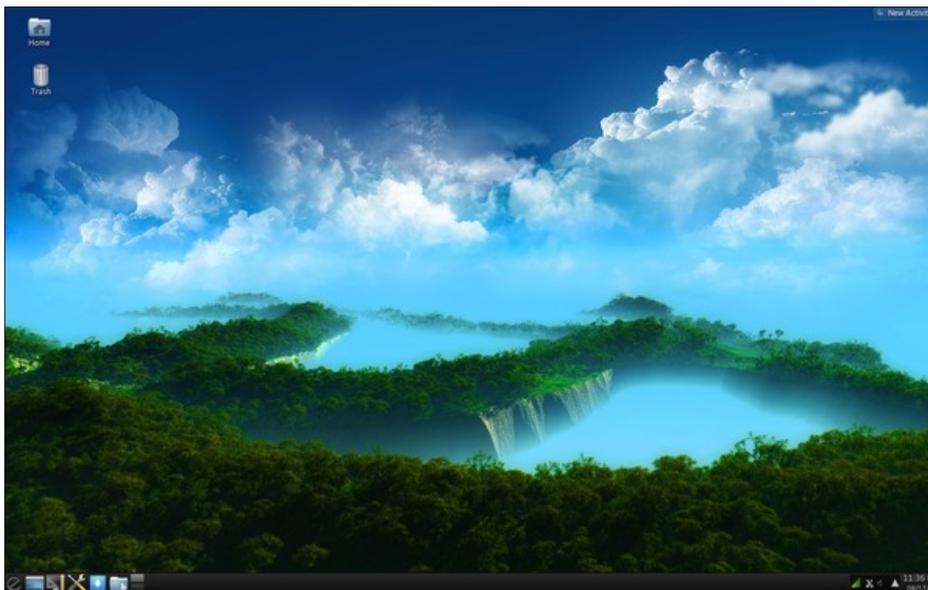
# More Screenshot Showcase



*Top Left: Posted by YouCanToo, August 10, 2012, running KDE4.*



*Top Right: Posted by T6, August 1, 2012, running KDE4.*



*Bottom Left: Posted by Celchu, August 17, 2012, running KDE4.*



*Bottom Right: Posted by cstrike77, August 1, 2012, running KDE4.*