

## COMMENTAIRES SUR L'INSTALLATION DE PIPELIGHT.

## Puppy Linux Discussion Forum

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### How to setup Pipelight in Precise Puppy v.5.7.1

Moderators: Flash, Ian, JohnMurga



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Author	Message
<b>shadower_sc</b> Joined: 21 Apr 2010 Posts: 129 Location: Texas	<p> <input type="checkbox"/> Posted: Mon 14 Jul 2014, 11:34    Post subject:  How to setup Pipelight in Precise Puppy v.5.7.1            Subject description: Native Firefox install, Flash v13+, Silverlight v5.1, in 4 Easy Steps. XD         </p> <hr/> <p>Hello Again Everyone,</p> <p>I got Pipelight working in Precise Puppy v.5.7.1 and figured I would share. heywoodj's post on how he watches Netflix on Puppy was helpful, especially in noting that Wine-Compholio is installed in a place Puppy does not expect it to be.</p> <p>Here are links to the Installation Instructions:</p> <p><a href="#">Step 01 - Preparation</a>  <a href="#">Step 02 - Setup Firefox for Pipelight Usage</a>  <a href="#">Step 03 - Setup Wine-Compholio for Precise Puppy</a>  <a href="#">Step 04 - Setup Pipelight for Precise Puppy</a></p> <p>Last edited by shadower_sc on Mon 14 Jul 2014, 14:13; edited 3 times in total</p>
<a href="#">Back to top</a>	<p> <input type="button" value="Profile"/> <input type="button" value="PM"/> </p>
<b>shadower_sc</b> Joined: 21 Apr 2010 Posts: 129 Location: Texas	<p> <input type="checkbox"/> Posted: Mon 14 Jul 2014, 11:39    Post subject: Pipelight for Precise Puppy 5.7.1 Step 01 Preparation         </p> <hr/> <p><b><u>Step 01 - Preparation:</u></b></p> <p><b><u>Part A - Update Puppy Package Manager</u></b></p> <p>Open the Puppy Package Manager by navigating the menu and clicking on the appropriate entry:            Menu-&gt;Setup-&gt;Puppy Package Manager</p> <p>Update the Puppy Package Manager:</p>

Click on Configure

Click on Update

Press the ENTER key a few times as directed. The process will take a few minutes depending on the speed of your internet and your computer.

Press the ENTER key to exit once the Puppy Package Manager has updated.

Click ok to close out of the Configure package manager.

Click Exit Package Manager to close the Puppy Package Manager.

While we are here, we will need to use the Package Manager to install a few required files for pipelight to work with Puppy Linux.

Start the Puppy Package Manager again.

Menu->Setup->Puppy Package Manager

### **Part B - Install Packages from Puppy Package Manager**

Use the find box on the bottom left of the window to find and install the following items: cabextract, zenity (Should be optional), and firefox

Choose to search all repositories when it asks.

I found cabextract\_1.4-1 and installed it.

I found multiple entries for zenity and installed zenity\_3.4.0

Make sure to select examine dependencies and then download-and-install selected packages.

I found multiple entries for firefox as well and installed the top one which was firefox\_30.0+build1.

Make sure to select examine dependencies and then download-and-install selected packages.

Last edited by shadower\_sc on Mon 14 Jul 2014, 12:02; edited 1 time in total

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Ok, avec les dépendances qui manquaient.

**shadower\_sc**

Joined: 21 Apr 2010

Posts: 129

Location: Texas

Posted: Mon 14 Jul 2014, 11:47 Post subject: Pipelight for Precise Puppy 5.7.1 Step 02 Setup Firefox

### **Step 02 - Setup Firefox for Pipelight Usage**

#### **Part A - Spoof Firefox's User Agent**

Start Firefox.

Menu->Internet->Firefox Web Browser

Install User Agent Overrider in Mozilla Firefox: (user\_agent\_overrider-0.2.4-fx.xpi)

<https://addons.mozilla.org/en-US/firefox/addon/user-agent-override/>

(I had to download it with Seamonkey for some reason and then drag and drop the file into firefox.)

See this page for reference: <http://pipelight.net/cms/installation-user-agent.html>

It should add a new button to your toolbar with a drop down menu.

Select Windows/Firefox 29 as the User Agent. (Or whatever version of firefox that it associates with windows.)

OK

(Silverlight will ignore your browser, if it thinks you are using a Linux Browser.)

### **Part B - Spoof Firefox's Platform**

Edit about:config and add a platform override in case the site checks the platform as well:

general.platform.override|user set|string|Win32

Again, see this page for reference: <http://pipelight.net/cms/installation-user-agent.html>

Firefox should now be ready once you have wine-compholio and pipelight installed.

(Some websites may also check to see what Platform you are running.)

Last edited by shadower\_sc on Mon 14 Jul 2014, 12:02; edited 2 times in total

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**shadower\_sc**

Joined: 21 Apr 2010  
Posts: 129  
Location: Texas

Posted: Mon 14 Jul 2014, 11:54 Post subject: Pipelight for Precise Puppy 5.7.1 Step 03 Wine-Compholio

### **Step 03 - Setup Wine-Compholio**

#### **Part A - Download the Current Wine-Compholio Package**

Navigate to the launchpad site for pipelight.

<https://launchpad.net/~pipelight/+archive/stable/+packages>

Select wine-compholio-1.7.XX~ubuntu12.04.1\_i386.deb where XX is the current version.

Click on the Package file wine-compholio-1.7.XX~ubuntu12.04.1\_i386.deb where XX is the current version to download.

Click on the Package file wine-compholio-i386-1.7.XX~ubuntu12.04.1\_i386.deb where XX is the current version to download.

(I downloaded mine to my flash drive, so I could have access to them later.)

#### **Part B - Install and test the Wine-Compholio Package**

Install the pre-built precise packages where XX is the current version:

Open Rox-Filer and navigate to the location you saved the files.

Single click on each file to install them.

**Impossible d'installer la version 1.7.24 - Installé la version 1.7.19-1.**

wine-compholio-1.7.XX~ubuntu12.04.1\_i386.deb  
 wine-compholio-i386-1.7.XX~ubuntu12.04.1\_i386.deb

**Make a symlink for Puppy, since wine is installed to /opt/wine-compholio/bin, instead of /usr/bin:**

In -s /opt/wine-compholio/bin/wine /usr/bin/wine

Check to make sure you have done it correctly:  
 wine --version

It should display something like:

wine-1.7.21

Last edited by shadower\_sc on Mon 14 Jul 2014, 12:06; edited 2 times in total

Remarque: les modifs mettent du temps à se mettre en place. Il faut éteindre et rallumer plusieurs fois l'ordinateur pour

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que les commandes répondent dans la console.

**shadower\_sc**

Joined: 21 Apr 2010  
 Posts: 129  
 Location: Texas

Posted: Mon 14 Jul 2014, 11:58 Post subject: Pipelight for Precise Puppy 5.7.1 Step 04 Setup  
 Pipelight

### **Step 04 - Setup Pipelight**

#### **Part A - Download the Pipelight Pacakge**

Navigate to the launchpad site for pipelight.

<https://launchpad.net/~pipelight/+archive/stable/+packages>

Select pipelight-multi-0.2.7~ubuntu12.04.1.

Click on the Package file pipelight-multi\_0.2.X.X~ubuntu12.04.1\_i386.deb where X.X is the current version to download.

(I downloaded mine to my flash drive, so I could have access to it later.)

#### **Part B - Install and test the pipelight plugin**

Le package installé est pipelight-multi\_0.2.7.1~ubuntu14.10.1\_i386.deb

Install the pre-built precise packages where X.X is the current version:

Open Rox-Filer and navigate to the location you saved the files.

Single click on the file to install it.

pipelight-multi\_0.2.X.X~ubuntu12.04.1\_i386.deb

Check to make sure you have done it correctly:  
 pipelight-plugin

It should display the help for pipelight-plugin.

(This also displays what plugins are supported.)

#### **Part C - Setup Pipelight for Firefox**

Setup the Pipelight Plugin for mozilla:

pipelight-plugin --create-mozilla-plugins

Même remarque sur la console. Les commandes ne donnaient rien au début.

Enable the Pipelight Plugins you want:  
pipelight-plugin --enable silverlight  
pipelight-plugin --enable flash

Navigate to <http://fds-team.de/pipelight/> and do a test for each plugin you have enabled.

It should force Firefox to initialize the plugin and provide feedback, if something didn't work.

**Voir le résultat du test à la fin**

Bouncing Balls/Bubbles Test:

<http://bubblemark.com/silverlight2.html>

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**shadower\_sc**

Joined: 21 Apr 2010  
Posts: 129  
Location: Texas

Posted: Tue 15 Jul 2014, 17:36 Post subject: Flash Benchmark Test of Pipelight on two machines

I saw solo's post where he used a benchmark to test PepperFlash in Firefox and that got me curious as to how well pipelight worked. The following are benchmarks from the same place he used and specs for each machine.

#### **Flash Benchmark 2008:**

[http://www.snailsanimation.com/benchmark08\\_play.php](http://www.snailsanimation.com/benchmark08_play.php)

#### **Machine#1:**

CPU: Intel i5 CPU M520 2.4GHZ Dual-Core  
RAM: DDR3 533MHZ 4GB

#### **Benchmark #1**

OS: Windows 7 32-bit  
Browser: Firefox 30.0  
Flash Version: 13.0.0.214  
Benchmark Score: 17,240  
Lite: 66.34fps - passed  
Medium: 62.66 fps - passed  
Heavy: 32.34 fps - passed  
Ultra: 11.06 fps - failed

#### **Benchmark #2**

OS: Precise Puppy Linux v.5.7.1 - Retro / No-PAE  
Browser: Firefox 30.0  
Flash Version: 13.0.0.214  
Benchmark Score: 15,970  
Lite: 61.18 fps - passed  
Medium: 57.67 fps - passed  
Heavy: 29.5 fps - passed  
Ultra: 11.34 fps - failed

**Machine #2**

CPU: Intel Atom CPU N280 1.66GHZ Single Core  
RAM: 1GB RAM

**Benchmark #1**

OS: Lubuntu 13.10  
Browser: Firefox 24.0  
Flash Version: 11.2.202.335  
Benchmark Score: 4,270  
Lite: 29.46 fps - passed  
Medium: 13.24 - failed  
Heavy:  
Ultra:

**Benchmark #2**

OS: Precise Puppy Linux v.5.7.1 - Retro / No-PAE  
Browser: Firefox 30.0  
Flash Version: 13.0.0.214  
Benchmark Score: 5,186  
Lite: 36.57 - passed  
Medium: 15.29 - failed  
Heavy:  
Ultra:

[Back to top](#)**slavvo67**

Joined: 12 Oct 2012  
Posts: 351  
Location: The other Mr. 305

Posted: Thu 17 Jul 2014, 01:32 Post subject:

This looked great until you brought Wine into the picture. It's a big, bloated program that I never cared for. Still, good luck with this. I have a few Silverlight pages that I would have liked to run.

Best,

Slavvo67

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Joined: 21 Apr 2010  
Posts: 129  
Location: Texas

Posted: Thu 17 Jul 2014, 14:29 Post subject: Wine and Pipelight

I tested flash on 2 different machines.

The first benchmark of each machine was with the officially supported version of flash for each machine. The second benchmark was with the pipelight version of flash installed.

In the case of the faster Windows 7 machine there was a slight drop in performance of

about 2 to 5 frames per second on average. In the case of the slower Lubuntu 13.10 machine there was a slight increase in performance of about 2 to 5 frames per second on average.

My initial test results suggest that Wine is slowing the playback down, but by a very small amount. Especially taking into account the fact that Puppy+PipeLight actually ran faster than Lubuntu+Official Adobe Flash for Linux.

Wine is the only option, if you want anything that is "Windows Only" to ever work on Linux.

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**shadower\_sc**

Joined: 21 Apr 2010  
Posts: 129  
Location: Texas

Posted: Thu 17 Jul 2014, 15:44 Post subject: Xattr and DRM

Silverlight + DRM needs Xattr support. Aufs and vfat do not support Extended Attributes. As such any site that uses DRM with silverlight will not work from a Live-CD or system that is a vfat / Fat32 filesystem. Most USB Flash Drives are formatted to the Fat32 filesystem. You can easily re-format the USB Flash Drive to NTFS from a Windows system.

A Frugal install on a NTFS or Ext4 Format USB Flash Drive should work.  
A Full install on an Ext4 filesystem should work.

Moving the .wine-pipelight folder to an external drive that has an ext4 or NTFS file system and then creating a symlink to it should work.

Example:

```
mv /root/.wine-pipelight /mnt/sdb1/ OK. Mis sur une partition en ext4  
ln -s /mnt/sdb1/.wine-pipelight /root/.wine-pipelight
```

You might be able to use the symlinking option to get DRM working from a Live-CD. This option could be useful for a Kiosk in which the Live-CD would be used on a single machine.

This thread has a lot of discussion on the topic:

[http://www.murga-linux.com/puppy/viewtopic.php?t=86016&search\\_id=1482768283&start=15](http://www.murga-linux.com/puppy/viewtopic.php?t=86016&search_id=1482768283&start=15)

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**heywoodj**

Joined: 15 Mar 2009  
Posts: 68

Posted: Thu 17 Jul 2014, 21:50 Post subject:

I'll have to say that after dabbling unsuccessfully for quite a while to figure out how to get Netflix to play on a frugal install, ext4 partitions on USB flash drives don't seem to boot, at all.

One way that might work is to boot on a ext2 partition on the USB, and run Wine off a second ext4 partition on the same drive. It may involve making a chroot jail. I tried for a

while, but decided it was too much work, and much easier to have a full install on a ext4 drive.

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**pemasu**



Joined: 08 Jul 2009  
Posts: 5463  
Location: Finland

Posted: Fri 18 Jul 2014, 04:49 Post subject:

Oops. My intention was to post about how to get Netflix working in Puppy...but that needed extra step was posted already. Sorry about this post. I was too hasty and didnt read yesterday posts properly. Sorry.

The trick is to **move** /root/.wine-pipelight folder **outside** of the savefile...for example to the /mnt/home and symlink it back. As posted earlier. Sorry of this double information post.

Getting Netflix to work in Puppy by following above instructions is correct and tested that they are adequate by me. Just watched Netflix movie.

Cheers.

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## RESULTAT DU TEST

User agent (Javascript)

Checking for Windows user agent ...okay

Mozilla/5.0 (Windows NT 6.1; WOW64; rv:29.0) Gecko/20100101 Firefox/29.0

Please note: not every user agent works on every site, try multiple ones if something doesn't work

Silverlight (as seen by a website)

Checking for Silverlight ...failed

Pipelight

Checking for Pipelight ...okay

Configuration of Pipelight

Checking if config exists ...okay

/usr/share/pipelight/configs/pipelight-silverlight5.1

Checking if pluginLoaderPath is set and exists ...okay

/usr/share/pipelight/pluginloader.exe

Checking if winePath is set and exists ...okay

/usr/share/pipelight/wine

Checking if winePrefix is set and exists ...okay

/root/.wine-pipelight

Checking if dllPath/dllName is set and exists ...failed

You need to define either a valid dllPath/dllName or regKey

/root/.wine-pipelight/dosdevices/c:/Program Files/Silverlight/latest//npctrl.dll

(dllPath = c:\Program Files\Silverlight\latest\)

(dllName = npctrl.dll)

Checking if dependencyInstaller is set and exists ...okay

/usr/share/pipelight/install-dependency

Checking if dependencies are defined ...okay

Distribution

Loading file /etc/issue ...okay

Precise Puppy Linux

Linux 3.9.11 [i686 arch]

Remarque: il existe un npctrl.dll dans le dossier Silverlight sur le disque dur, installé par windows précédemment. Je peux peut-être l'utiliser, mais je ne sais pas comment. En faisant un lien?

Il y a aussi un problème, c'est qu'à chaque fois que l'on allume l'ordinateur, un nouveau wine-pipelight se crée dans root. Cela fait doublon avec le lien créé avec le dossier copié sur la partition en ext4.

Bref, j'en suis pas loin, mais ça coince encore.