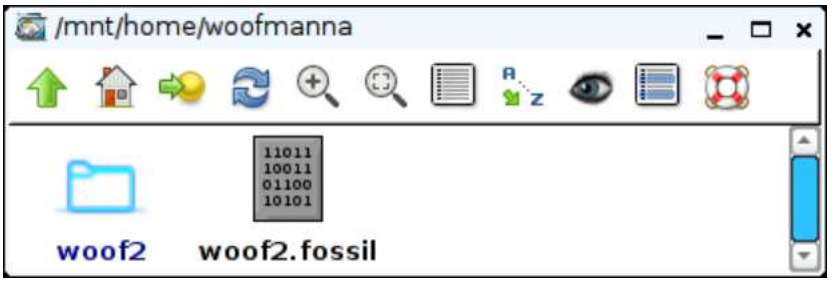
I am putting together this tutorial on woof2. I would also suggest that you use the puppy for which you want to build with woof2.

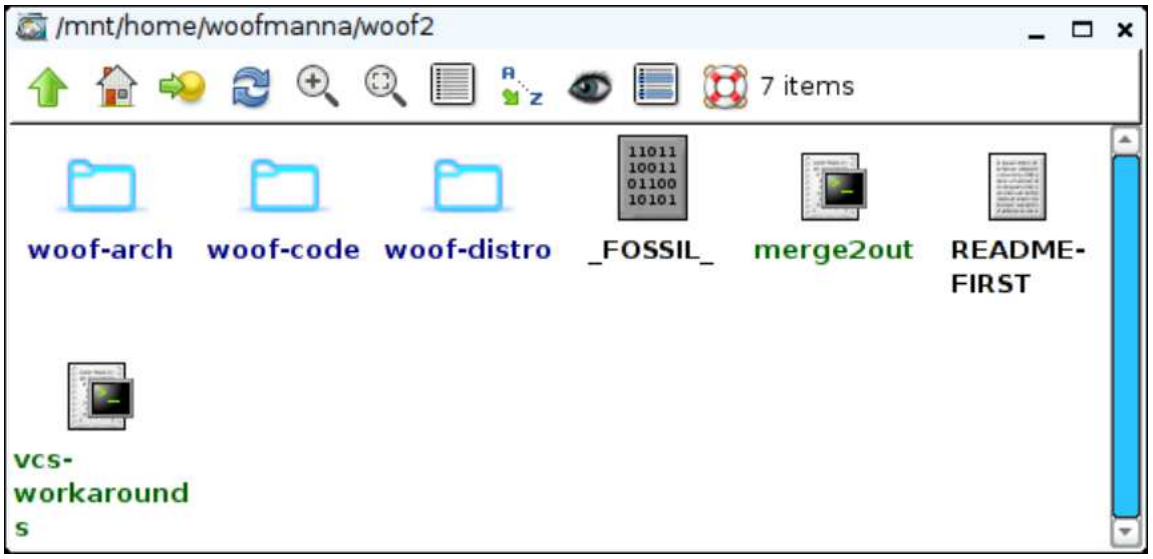
I strongly suggest that if you have never used woof2 or woof befor,e to build the original puppy first to get a feel on what everything does.

This does require firefox webbrowser.

1) first go here http://bkhome.org/fossil/woof2.cgi/wiki?name=Getting+Started+with+Woof and read about getting started with woof2.

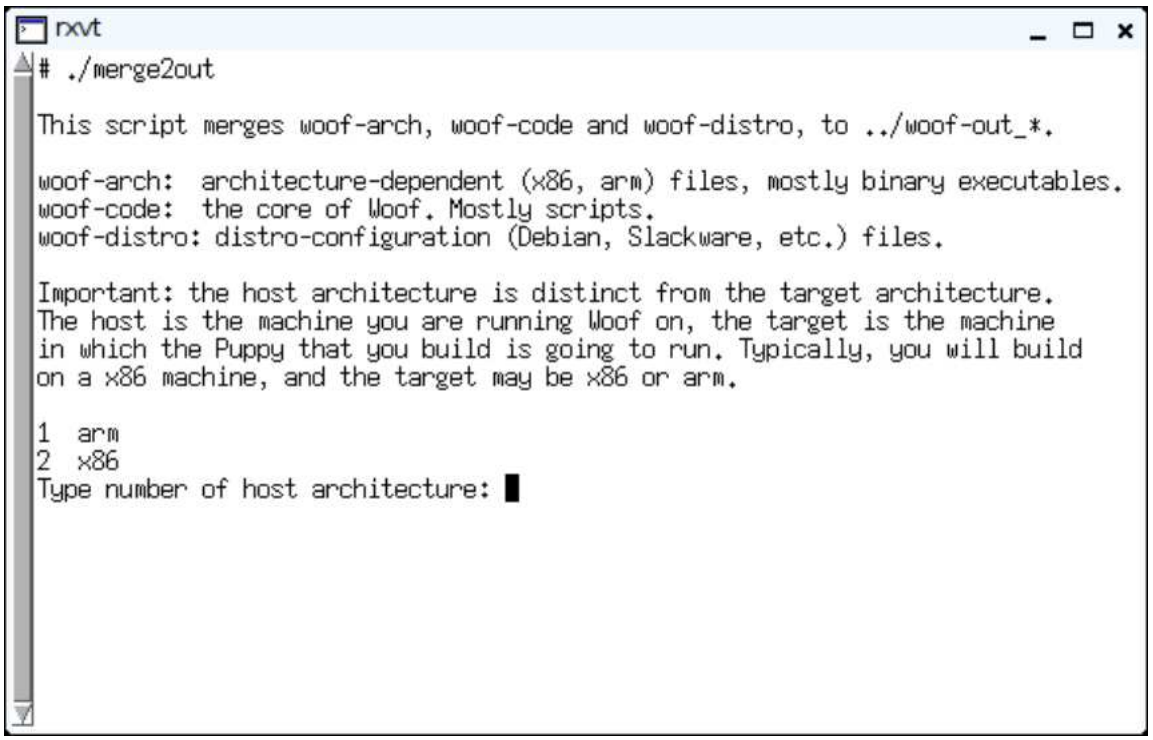
2) After you have created your folder and before you did merge2out this is what you should have. Make sure to read all the readme files before you start anything. #2png

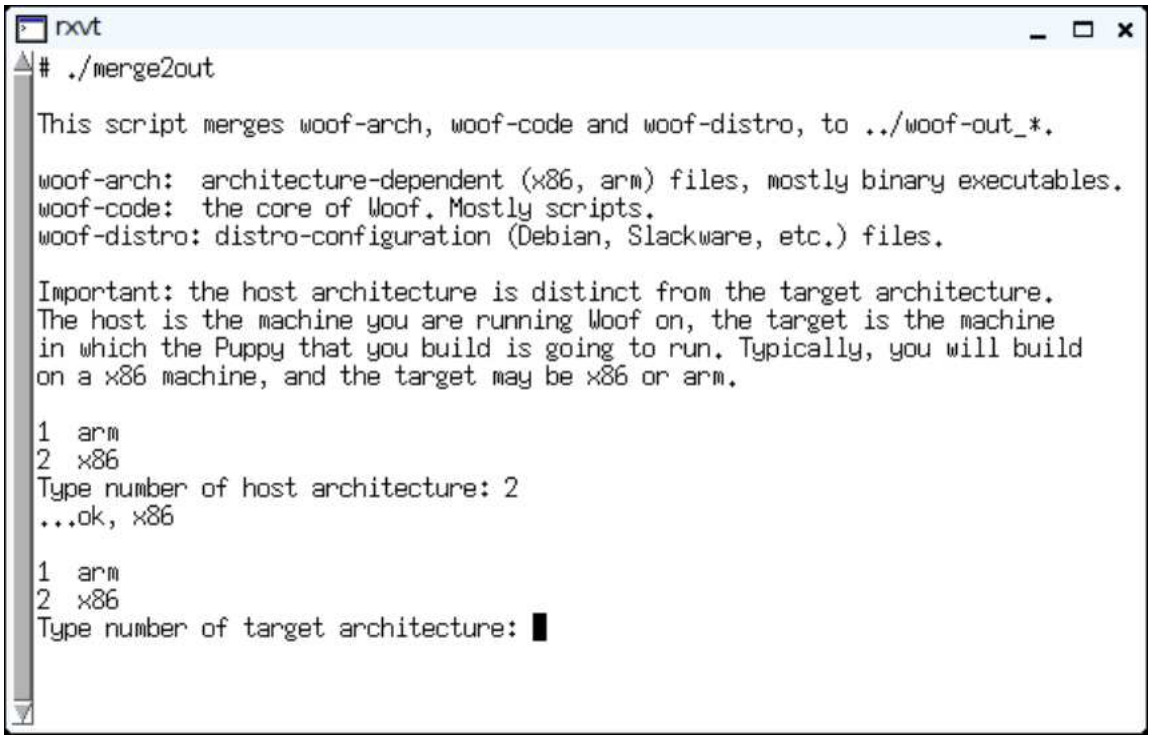


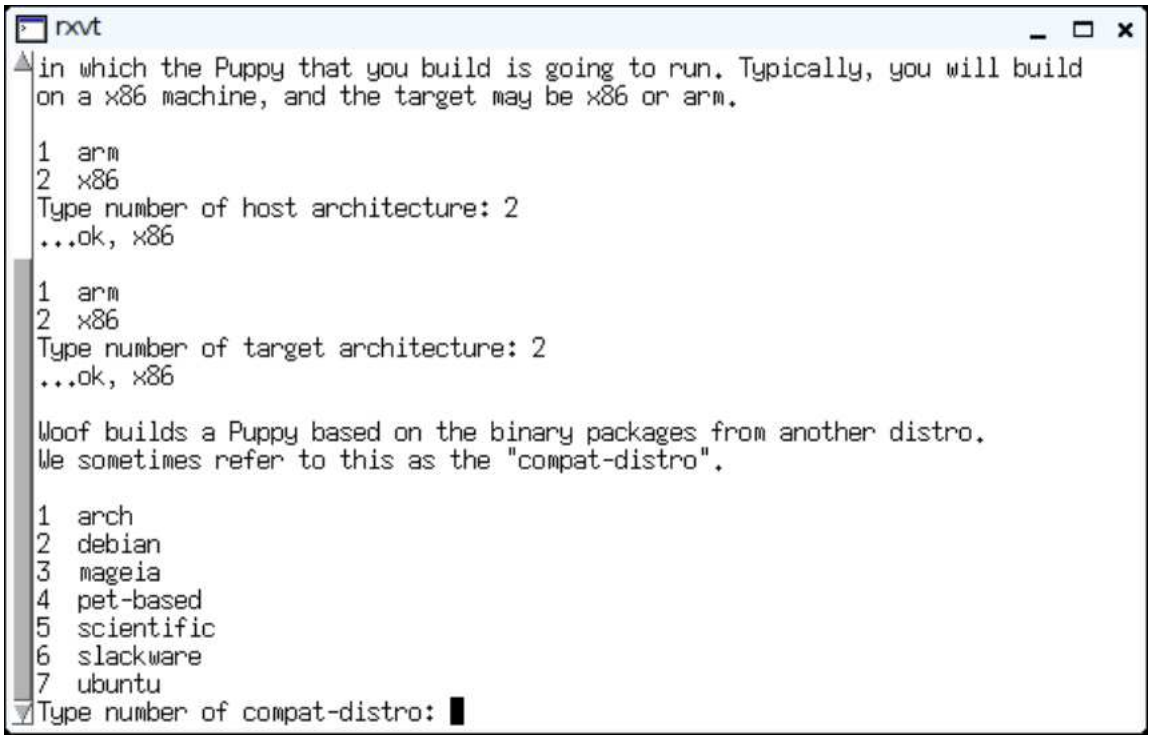


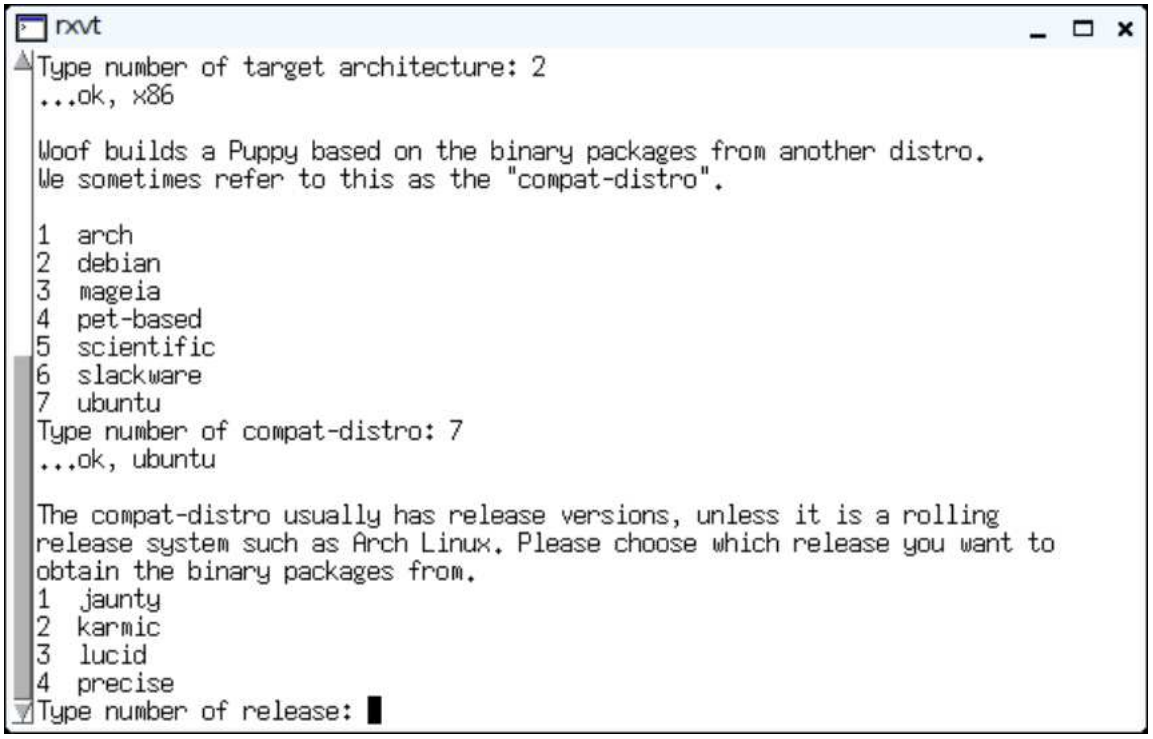
The next 8 pictures shows what you can choose for creating your Puppy, whether it be arm or x86.

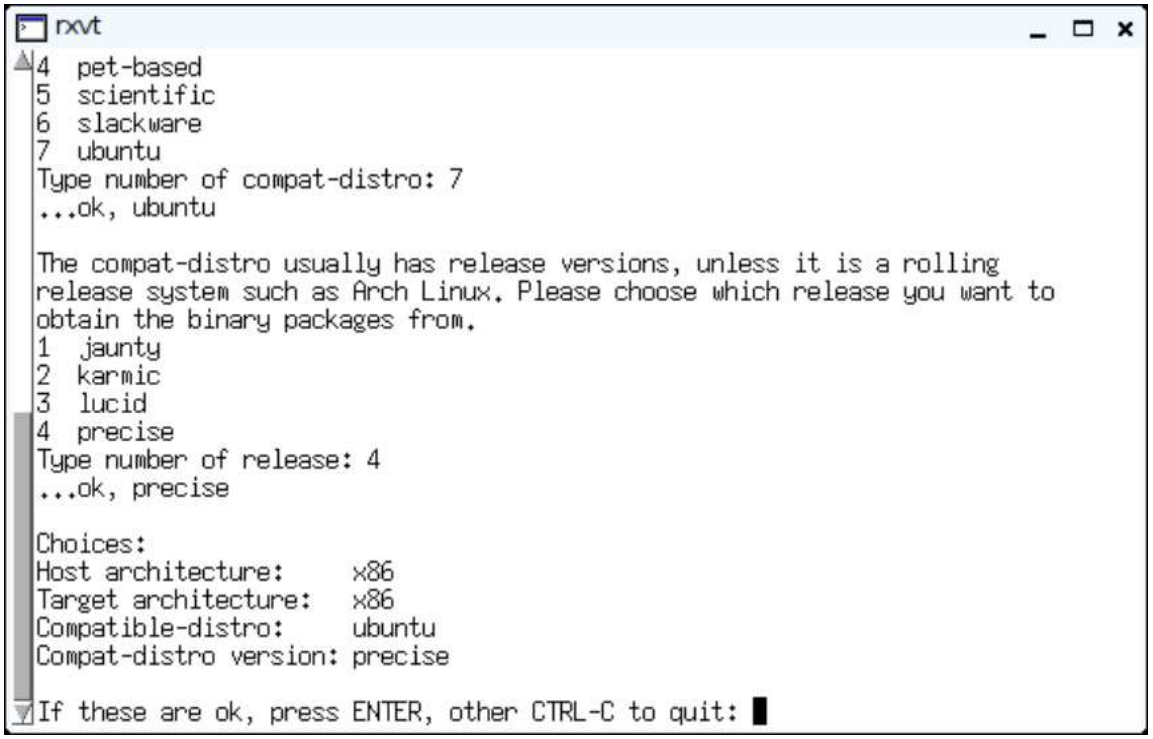
It will also ask about what linux distro you want to build from.

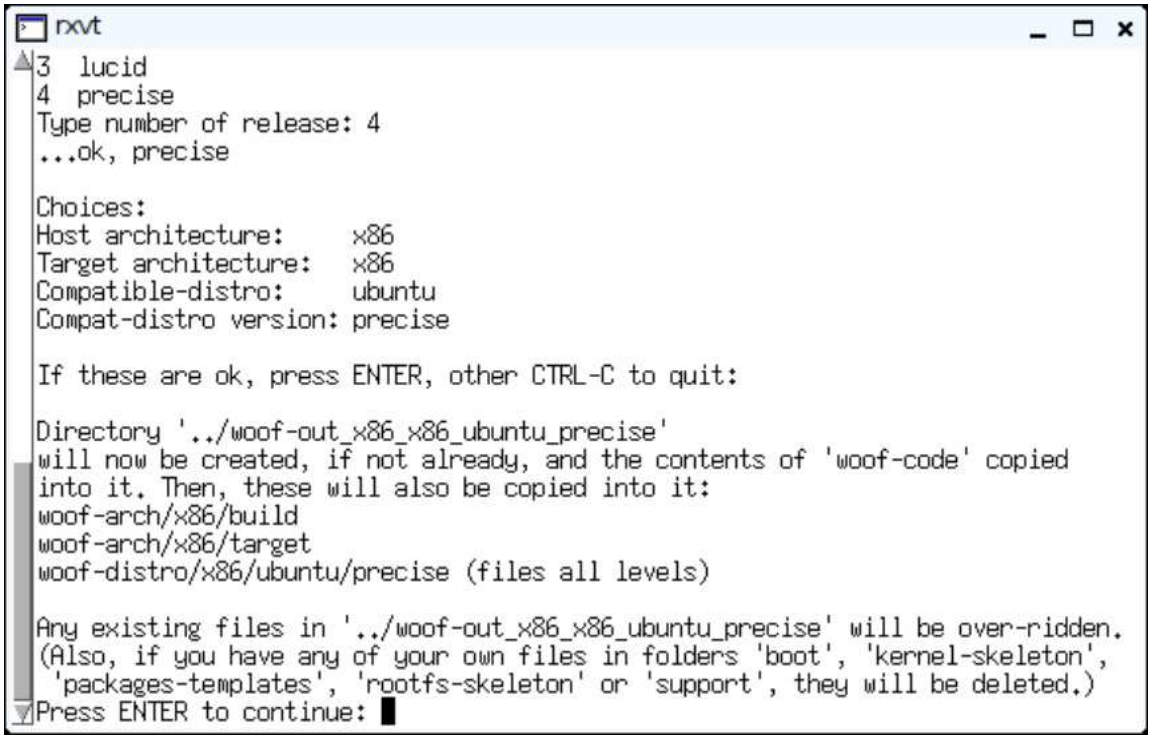


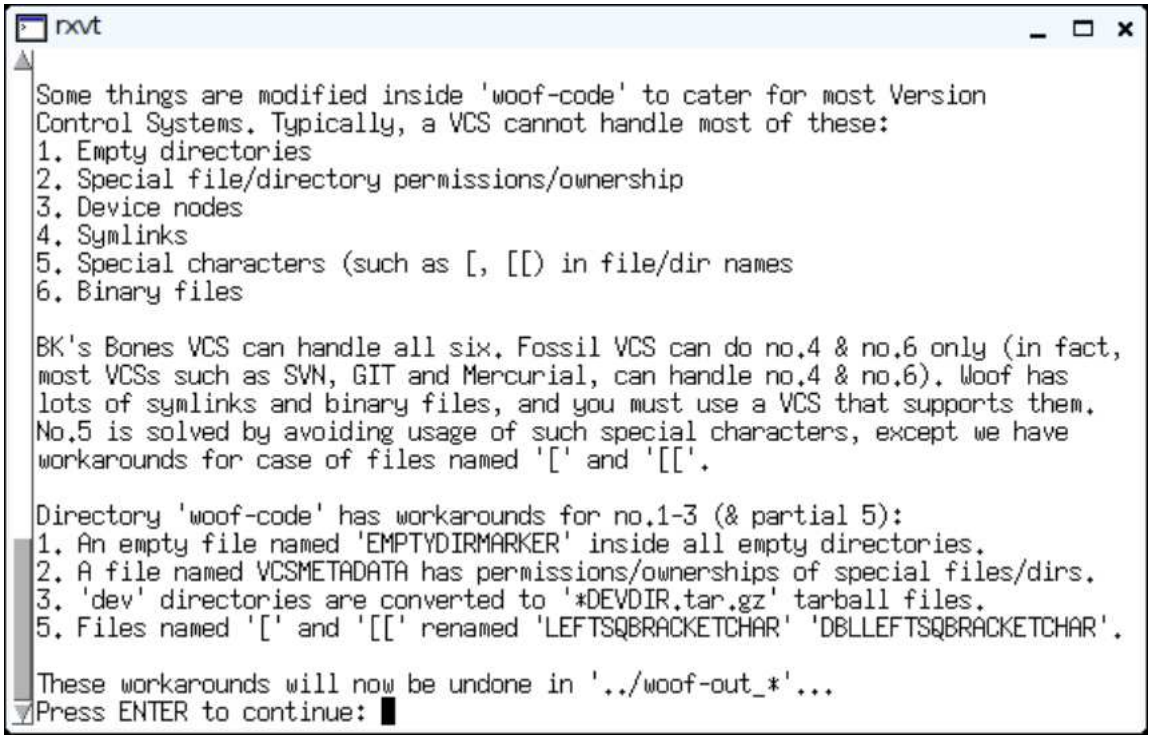



rxvt
in which the Puppy that you build is going to run. Typically, you will build
on a x86 machine, and the target may be x86 or arm.
1 arm
2 x86
Type number of host architecture: 2
...ok, x86
1 arm
2 x86
Type number of target architecture: 2
...ok, x86
Woof builds a Puppy based on the binary packages from another distro.
We sometimes refer to this as the "compat-distro".
1 arch
2 debian
3 mageia
4 pet-based
5 scientific
6 slackware
7 ubuntu
Type number of compat-distro:


rxvt
Type number of target architecture: 2
...ok, x86
Woof builds a Puppy based on the binary packages from another distro.
We sometimes refer to this as the "compat-distro".
1 arch
2 debian
3 mageia
4 pet-based
5 scientific
6 slackware
7 ubuntu
Type number of compat-distro: 7
...ok, ubuntu
The compat-distro usually has release versions, unless it is a rolling
release system such as Arch Linux. Please choose which release you want to
obtain the binary packages from.
1 jaunty
2 karmic
3 lucid
4 precise
Type number of release:


rxvt
4 pet-based
5 scientific
6 slackware
7 ubuntu
Type number of compat-distro: 7
...ok, ubuntu
The compat-distro usually has release versions, unless it is a rolling
release system such as Arch Linux. Please choose which release you want to
obtain the binary packages from.
1 jaunty
2 karmic
3 lucid
4 precise
Type number of release: 4
...ok, precise
Choices:
Host architecture: x86
Target architecture: x86
Compatible-distro: ubuntu
Compat-distro version: precise
If these are ok, press ENTER, other CTRL-C to quit:


rxvt
3 lucid
4 precise
Type number of release: 4
...ok, precise
Choices:
Host architecture: x86
Target architecture: x86
Compatible-distro: ubuntu
Compat-distro version: precise
If these are ok, press ENTER, other CTRL-C to quit:
Directory '../woof-out_x86_x86_ubuntu_precise'
will now be created, if not already, and the contents of 'woof-code' copied
into it. Then, these will also be copied into it:
woof-arch/x86/build
woof-arch/x86/target
woof-distro/x86/ubuntu/precise (files all levels)
Any existing files in '../woof-out_x86_x86_ubuntu_precise' will be over-ridden.
(Also, if you have any of your own files in folders 'boot', 'kernel-skeleton',
'packages-templates', 'rootfs-skeleton' or 'support', they will be deleted.)
Press ENTER to continue:



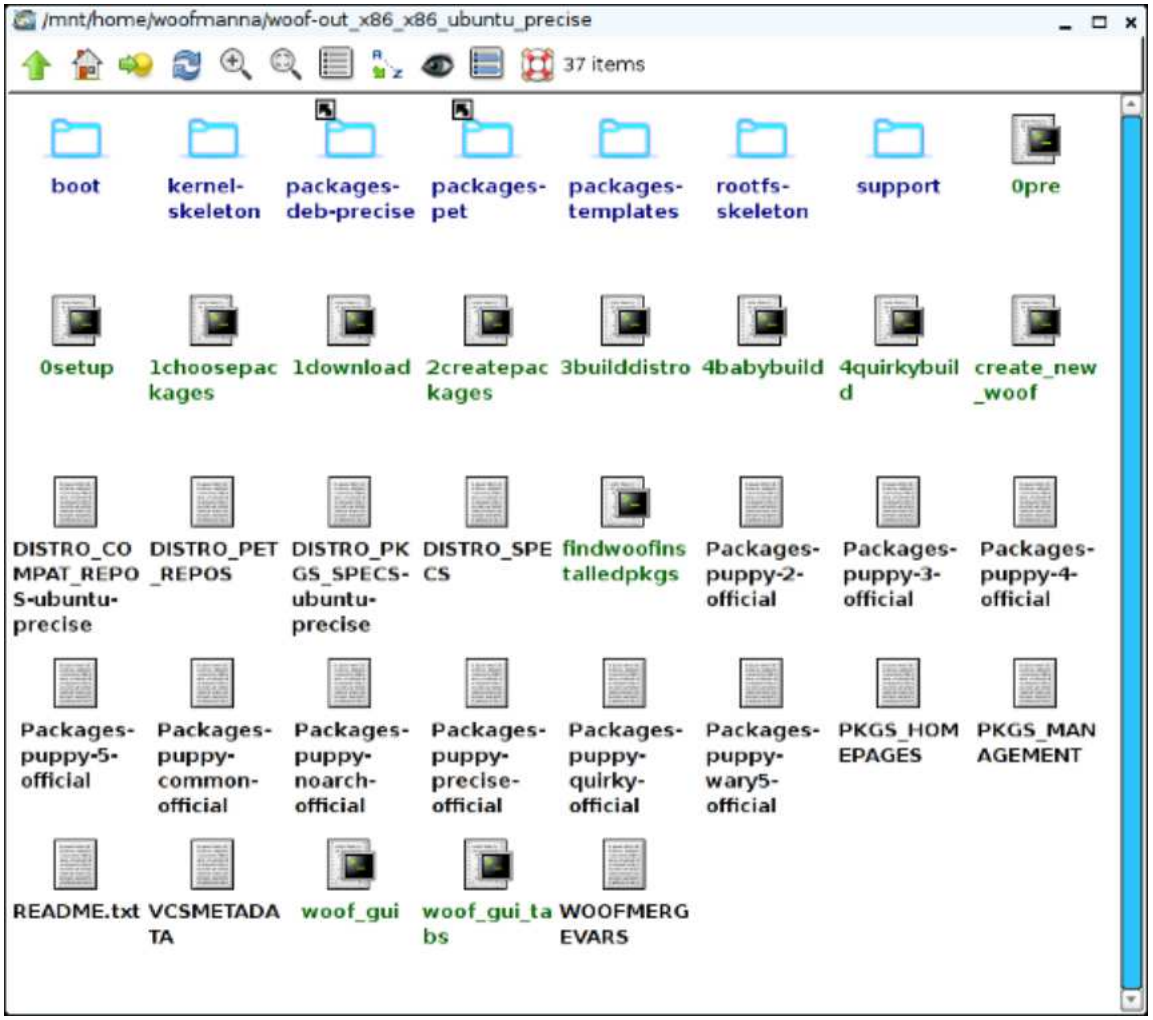
Now we will take a look at the gui and the tabs that are there and what they are for. I will try and give ideas on what you can do to change things once you get comfortable with woof2.

Before we look at the gui let us look at the folders and files that will be there. Again you want to go into all the folders and read any of the Readme files first before you do anything.

They will give you information that will help with your build.

You can go into the folder rootfs-skeleton and add or even remove some things that you don't want in your build that is in by default. ONLY do this if you know what you are doing.

If you want to make a splash-screen image than go to the boot folder and find boot-dialog and there you will get the information to do so.



Now we will take a look at the gui. Here we will take a look at the first four tabes. These pictures are self explaining.

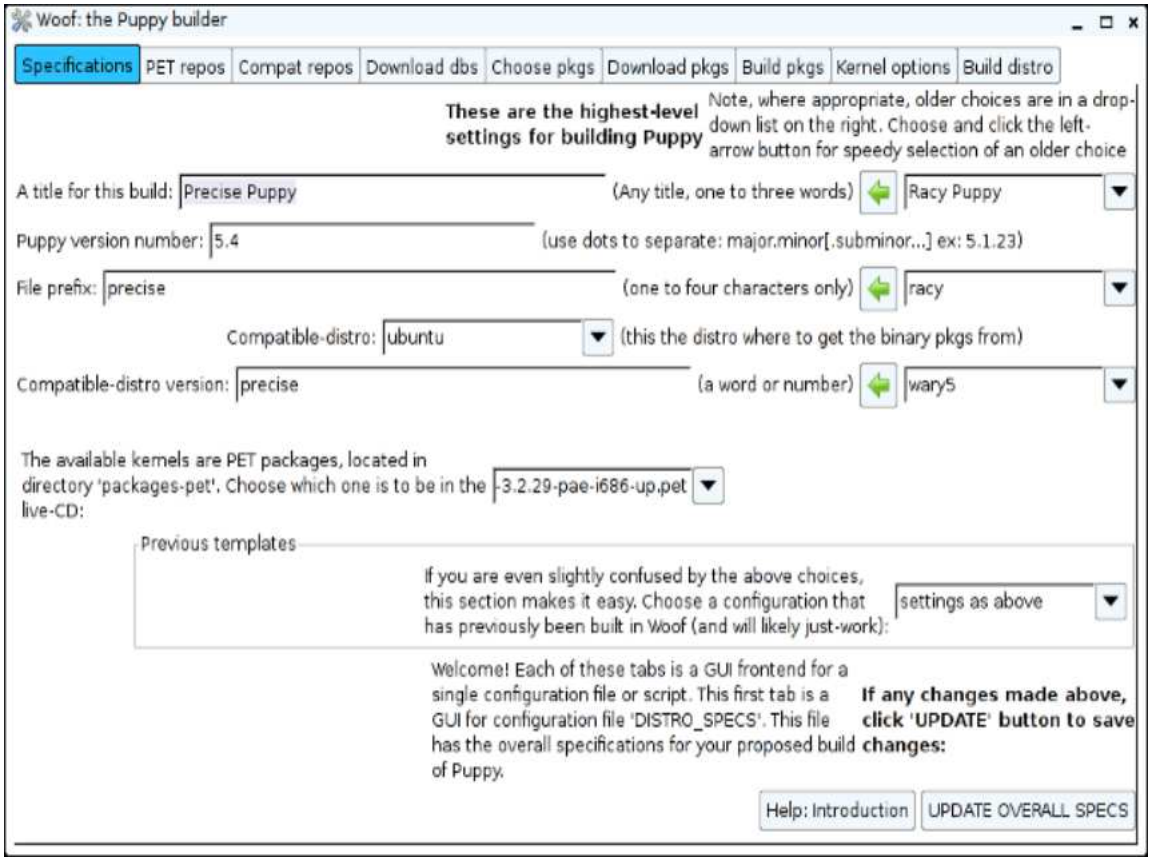
1) The Specification tab here you can name what your puppy will be called and the number of your build. Also you can choose your kernel as well.

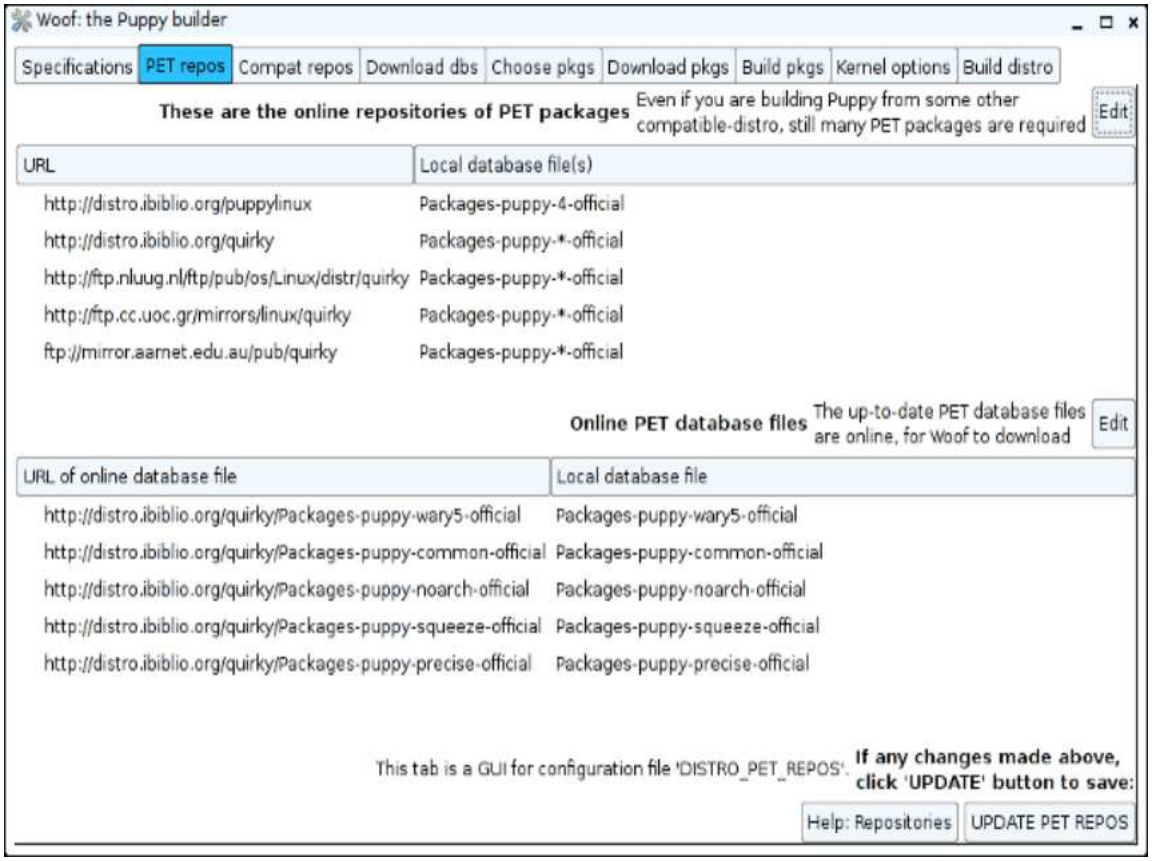
2) The Pet Repos tab you don't have to update this when you first download woof2 for it will

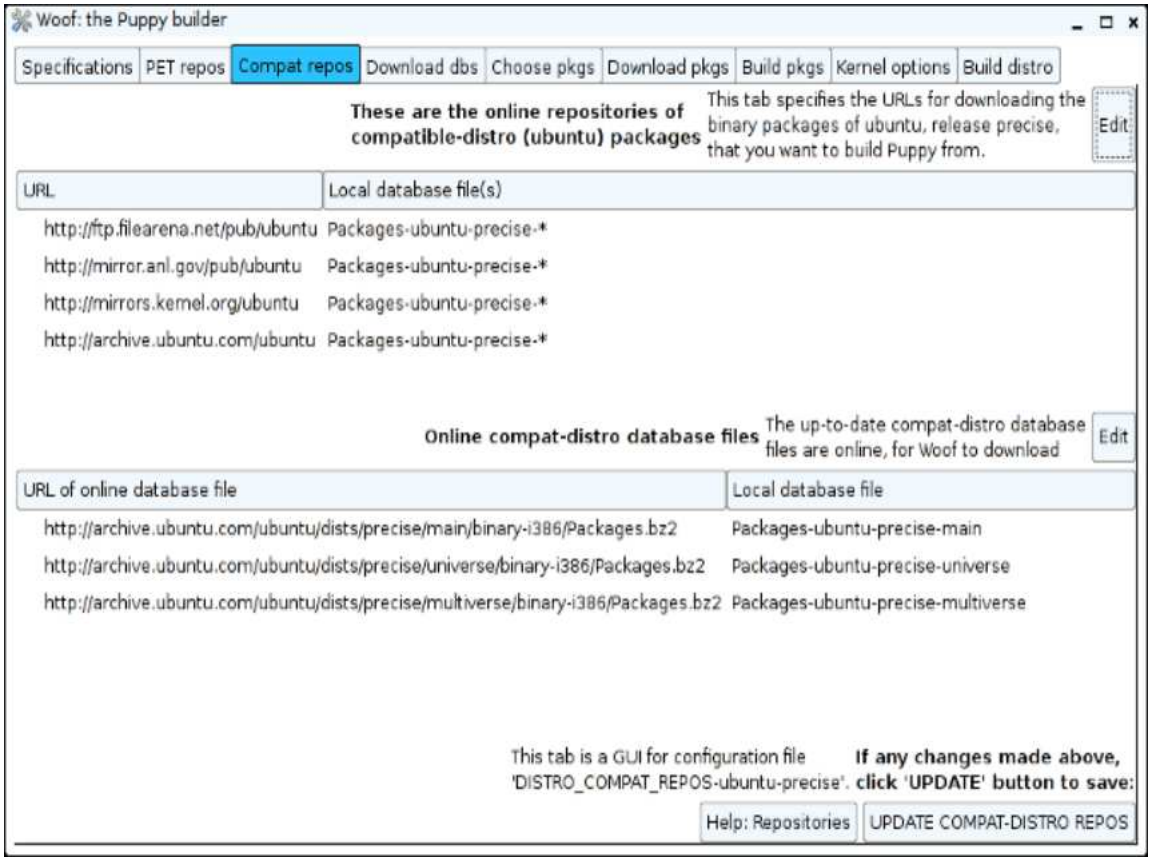
already be up to date.

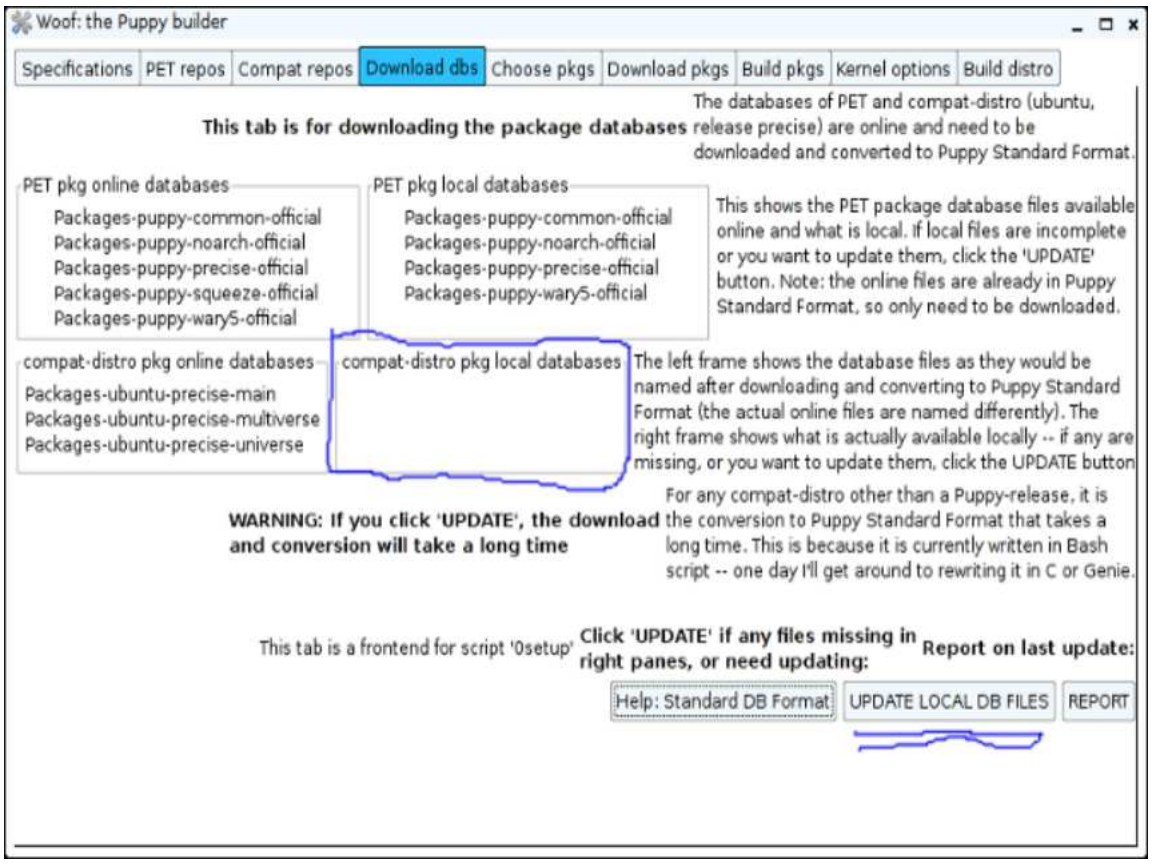
3) The Compact Repo tab the same applies here as well.

4) The Download dbs tab here you will need to update the compact distro database and only these get updated.




Woof: the Puppy builder
Specifications
PET repos
Compat repos
Download dbs
Choose pkgs
Download pkgs
Build pkgs
Kernel options
Build distro
These are the online repositories of PET packages
Even if you are building Puppy from some other compatible-distro, still many PET packages are required
Edit
URL
Local database file(s)
http://distro.ibiblio.org/puppylinux
Packages-puppy-4-official
http://distro.ibiblio.org/quirky
Packages-puppy-*-official
http://ftp.nluug.nl/ftp/pub/os/Linux/distr/quirky
Packages-puppy-*-official
http://ftp.cc.uoc.gr/mirrors/linux/quirky
Packages-puppy-*-official
ftp://mirror.aarnet.edu.au/pub/quirky
Packages-puppy-*-official
Online PET database files
The up-to-date PET database files are online, for Woof to download
Edit
URL of online database file
Local database file
http://distro.ibiblio.org/quirky/Packages-puppy-wary5-official
Packages-puppy-wary5-official
http://distro.ibiblio.org/quirky/Packages-puppy-common-official
Packages-puppy-common-official
http://distro.ibiblio.org/quirky/Packages-puppy-noarch-official
Packages-puppy-noarch-official
http://distro.ibiblio.org/quirky/Packages-puppy-squeeze-official
Packages-puppy-squeeze-official
http://distro.ibiblio.org/quirky/Packages-puppy-precise-official
Packages-puppy-precise-official
This tab is a GUI for configuration file 'DISTRO_PET_REPOS'.
If any changes made above, click 'UPDATE' button to save:
Help: Repositories
UPDATE PET REPOS


Woof: the Puppy builder
Specifications
PET repos
Compat repos
Download dbs
Choose pkgs
Download pkgs
Build pkgs
Kernel options
Build distro
These are the online repositories of compatible-distro (ubuntu) packages
This tab specifies the URLs for downloading the binary packages of ubuntu, release precise, that you want to build Puppy from.
Edit
URL
Local database file(s)
http://ftp.filearena.net/pub/ubuntu Packages-ubuntu-precise-*
http://mirror.anl.gov/pub/ubuntu Packages-ubuntu-precise-*
http://mirrors.kernel.org/ubuntu Packages-ubuntu-precise-*
http://archive.ubuntu.com/ubuntu Packages-ubuntu-precise-*
Online compat-distro database files
The up-to-date compat-distro database files are online, for Woof to download
Edit
URL of online database file
Local database file
http://archive.ubuntu.com/ubuntu/dists/precise/main/binary-i386/Packages.bz2 Packages-ubuntu-precise-main
http://archive.ubuntu.com/ubuntu/dists/precise/universe/binary-i386/Packages.bz2 Packages-ubuntu-precise-universe
http://archive.ubuntu.com/ubuntu/dists/precise/multiverse/binary-i386/Packages.bz2 Packages-ubuntu-precise-multiverse
This tab is a GUI for configuration file 'DISTRO_COMPAT_REPOS-ubuntu-precise'.
If any changes made above, click 'UPDATE' button to save:
Help: Repositories
UPDATE COMPAT-DISTRO REPOS



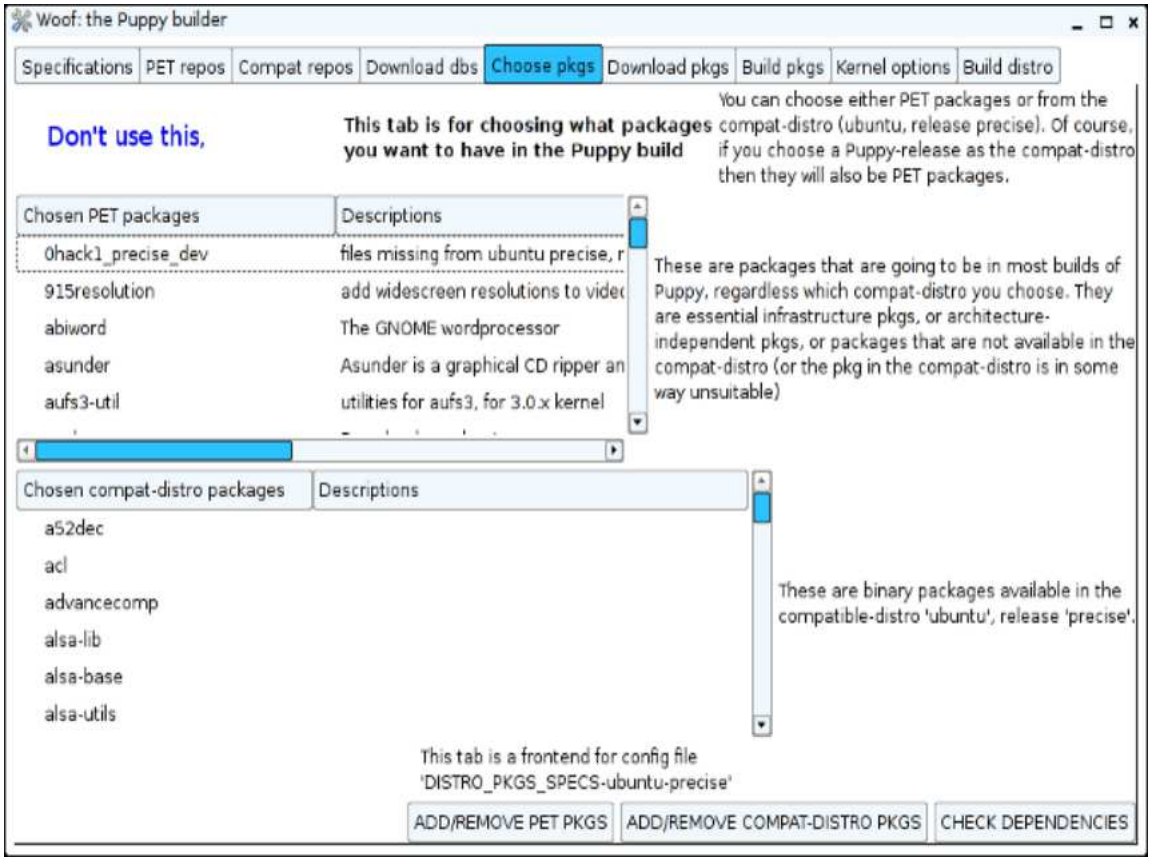
Now on to the next three tabs

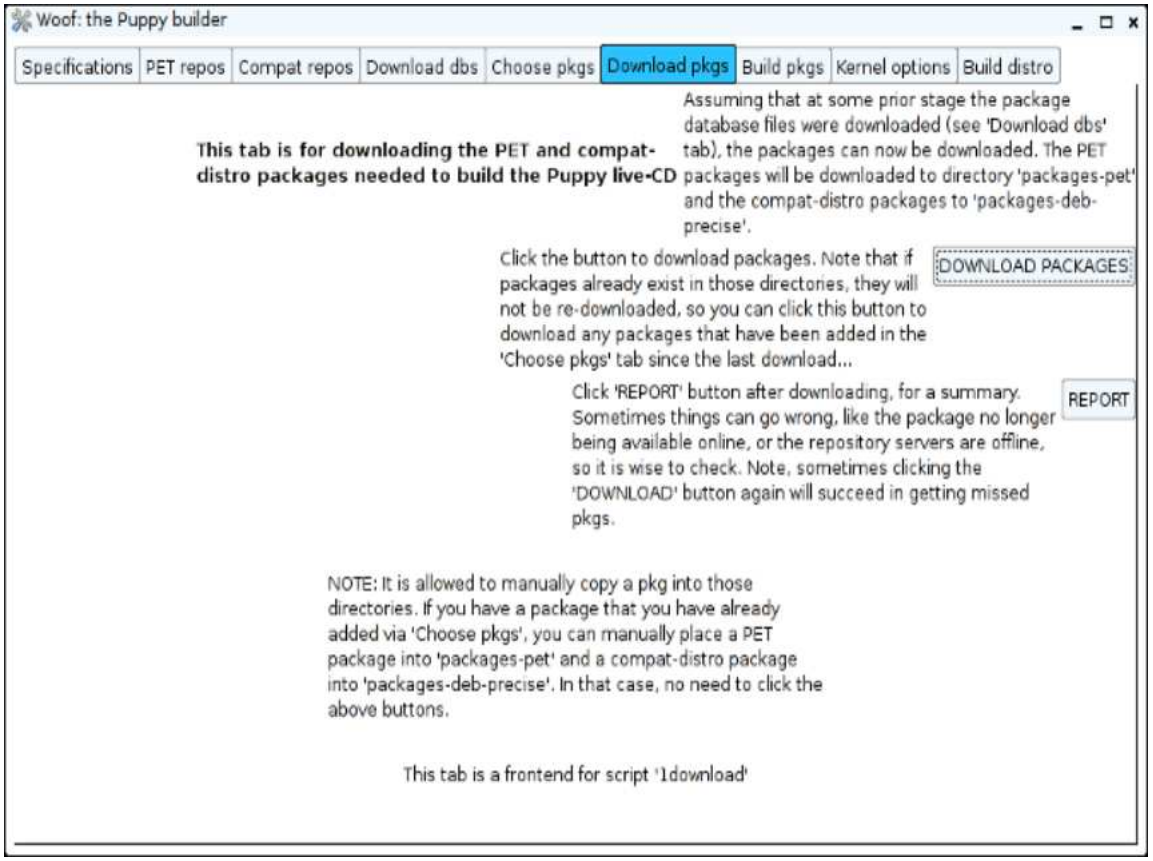
1) Choose pkgs tab this one I don't touch the reason is this unless you know what pkgs need to be in puppy, when you add pkgs that will be the only ones that will be in the build.

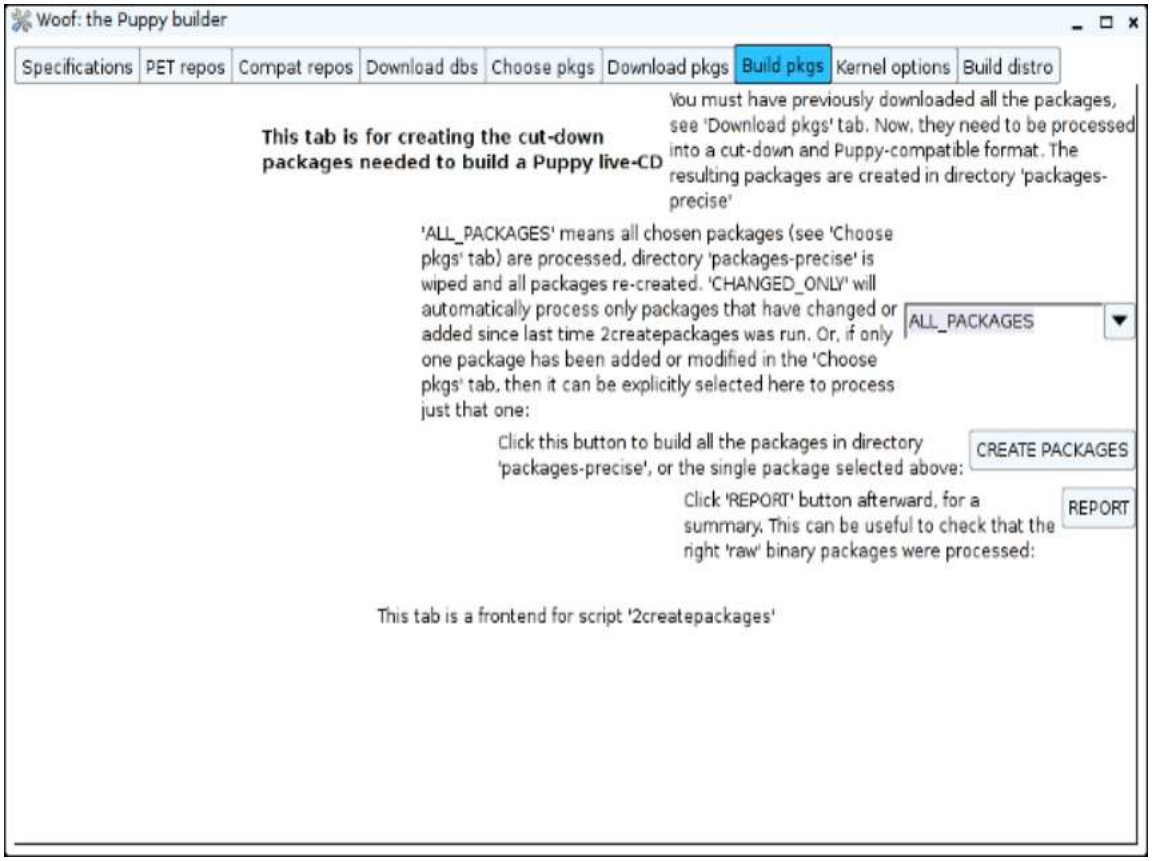
I will get into how to add pkgs after we go through the gui.

2) Download pkgs tab here there really is nothing that needs to be said, except that if a pkge doesn't get downloaded you will have to get it from the web. Either form ibiblio or archive site of the compact distro that you are using for your build.

3) Build pkgs tab here it takes all the pkgs and unpacks them and makes them ready for the build.


Woof: the Puppy builder
Specifications
PET repos
Compat repos
Download dbs
Choose pkgs
Download pkgs
Build pkgs
Kernel options
Build distro
Don't use this,
This tab is for choosing what packages you want to have in the Puppy build
You can choose either PET packages or from the compat-distro (ubuntu, release precise). Of course, if you choose a Puppy-release as the compat-distro then they will also be PET packages.
Chosen PET packages
Descriptions
0hack1_precise_dev
files missing from ubuntu precise, r
915resolution
add widescreen resolutions to vide
abiword
The GNOME wordprocessor
asunder
Asunder is a graphical CD ripper an
aufs3-util
utilities for aufs3, for 3.0.x kernel
These are packages that are going to be in most builds of Puppy, regardless which compat-distro you choose. They are essential infrastructure pkgs, or architecture-independent pkgs, or packages that are not available in the compat-distro (or the pkg in the compat-distro is in some way unsuitable)
Chosen compat-distro packages
Descriptions
a52dec
acl
advancecomp
alsa-lib
alsa-base
alsa-utils
These are binary packages available in the compatible-distro 'ubuntu', release 'precise'.
This tab is a frontend for config file 'DISTRO_PKGS_SPECS-ubuntu-precise'
ADD/REMOVE PET PKGS
ADD/REMOVE COMPAT-DISTRO PKGS
CHECK DEPENDENCIES


Woof: the Puppy builder
Specifications
PET repos
Compat repos
Download dbs
Choose pkgs
Download pkgs
Build pkgs
Kernel options
Build distro
This tab is for downloading the PET and compat-distro packages needed to build the Puppy live-CD
Assuming that at some prior stage the package database files were downloaded (see 'Download dbs' tab), the packages can now be downloaded. The PET packages will be downloaded to directory 'packages-pet' and the compat-distro packages to 'packages-deb-precise'.
Click the button to download packages. Note that if packages already exist in those directories, they will not be re-downloaded, so you can click this button to download any packages that have been added in the 'Choose pkgs' tab since the last download...
DOWNLOAD PACKAGES
Click 'REPORT' button after downloading, for a summary. Sometimes things can go wrong, like the package no longer being available online, or the repository servers are offline, so it is wise to check. Note, sometimes clicking the 'DOWNLOAD' button again will succeed in getting missed pkgs.
REPORT
NOTE: It is allowed to manually copy a pkg into those directories. If you have a package that you have already added via 'Choose pkgs', you can manually place a PET package into 'packages-pet' and a compat-distro package into 'packages-deb-precise'. In that case, no need to click the above buttons.
This tab is a frontend for script '1download'

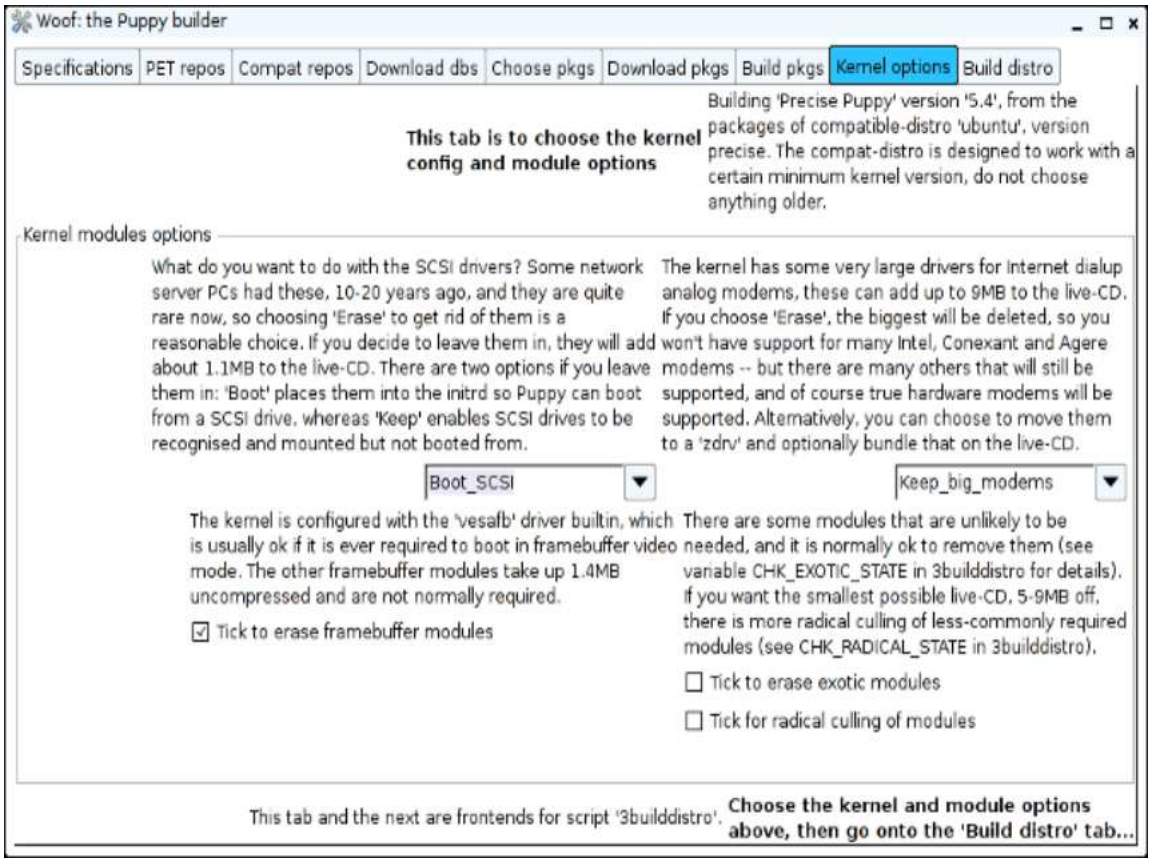


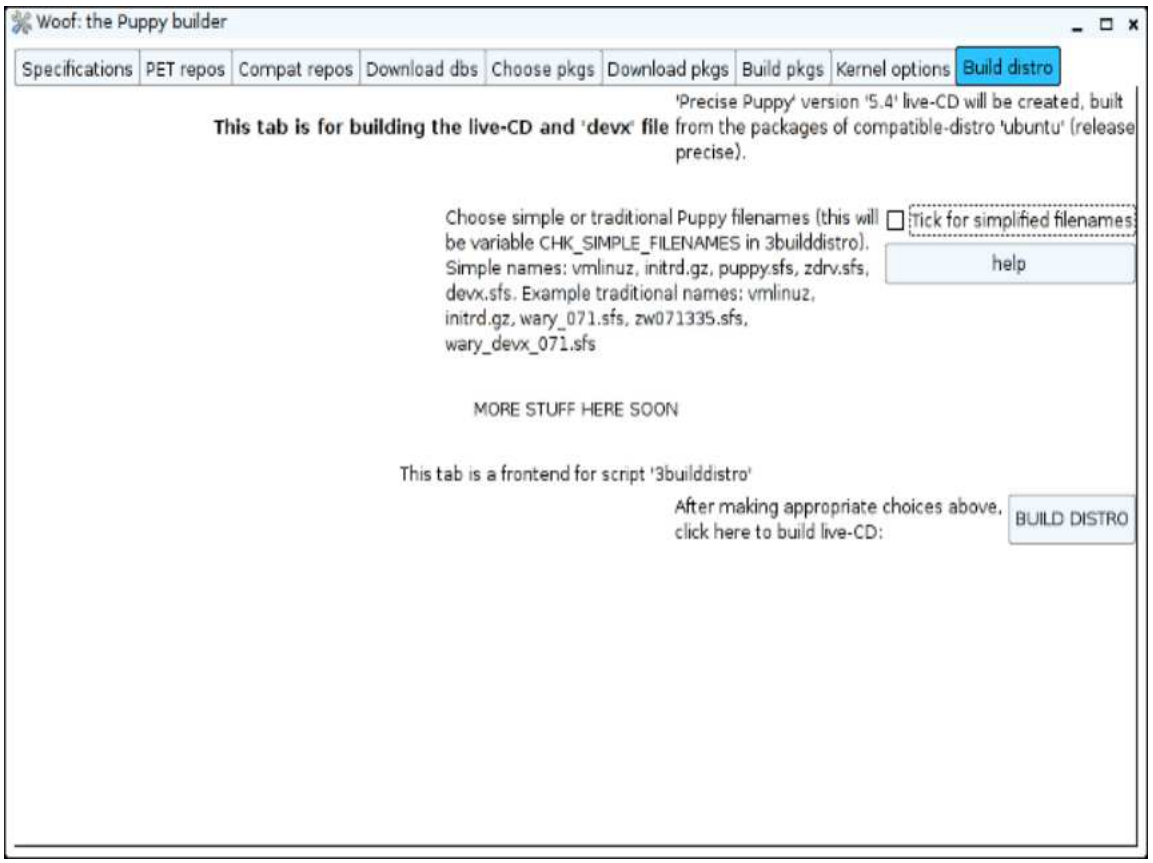
Are last two tabs.

1) The kernel tab here to you can choose the kernel and what module option you want.

2) The Build tab. it says it all; this will build your puppy. It will take you through a series of questions throughout the build process that you will need to answer.

I will post these if they are really needed.


Woof: the Puppy builder
Specifications
PET repos
Compat repos
Download dbs
Choose pkgs
Download pkgs
Build pkgs
Kernel options
Build distro
This tab is to choose the kernel config and module options
Building 'Precise Puppy' version '5.4', from the packages of compatible-distro 'ubuntu', version precise. The compat-distro is designed to work with a certain minimum kernel version, do not choose anything older.
Kernel modules options
What do you want to do with the SCSI drivers? Some network server PCs had these, 10-20 years ago, and they are quite rare now, so choosing 'Erase' to get rid of them is a reasonable choice. If you decide to leave them in, they will add about 1.1MB to the live-CD. There are two options if you leave them in: 'Boot' places them into the initrd so Puppy can boot from a SCSI drive, whereas 'Keep' enables SCSI drives to be recognised and mounted but not booted from.
Boot_SCSI
The kernel has some very large drivers for Internet dialup analog modems, these can add up to 9MB to the live-CD. If you choose 'Erase', the biggest will be deleted, so you won't have support for many Intel, Conexant and Agere modems -- but there are many others that will still be supported, and of course true hardware modems will be supported. Alternatively, you can choose to move them to a 'zdrv' and optionally bundle that on the live-CD.
Keep_big_modems
The kernel is configured with the 'vesafb' driver builtin, which is usually ok if it is ever required to boot in framebuffer video mode. The other framebuffer modules take up 1.4MB uncompressed and are not normally required.
Tick to erase framebuffer modules
There are some modules that are unlikely to be needed, and it is normally ok to remove them (see variable CHK_EXOTIC_STATE in 3builddistro for details). If you want the smallest possible live-CD, 5-9MB off, there is more radical culling of less-commonly required modules (see CHK_RADICAL_STATE in 3builddistro).
Tick to erase exotic modules
Tick for radical culling of modules
This tab and the next are frontends for script '3builddistro'.
Choose the kernel and module options above, then go onto the 'Build distro' tab...



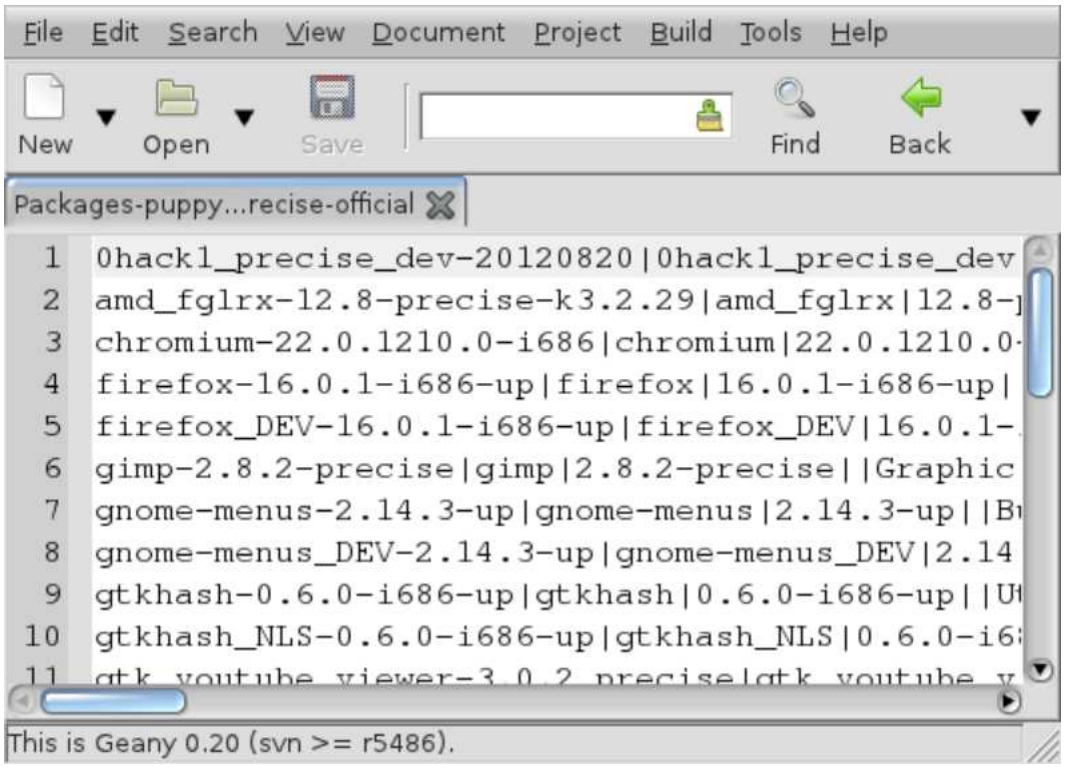
So how does one add different pkgs to the build that are not a part of the puppy that they want.

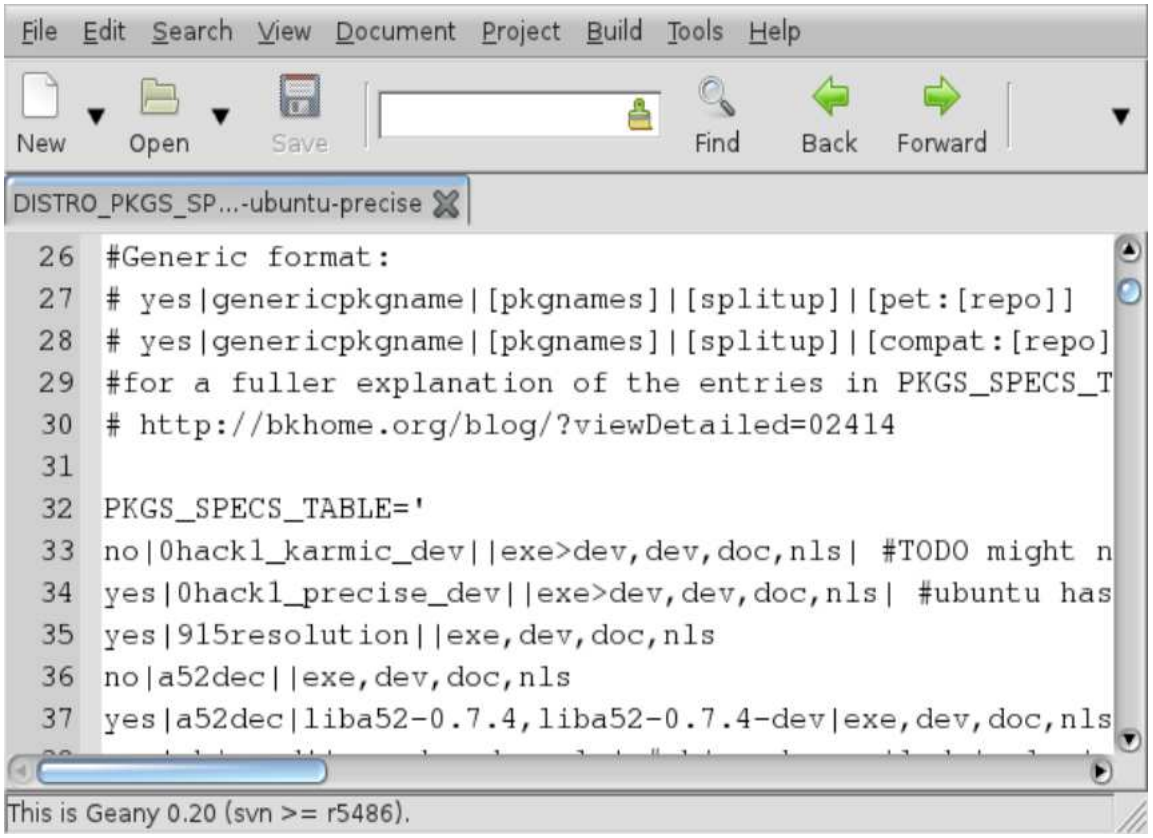
1) in the puppy pkgs is where you can add the pet that you want to add. I would already have it downloaded and put in the packages-name of puppy folder. You can get the specs on the pet when you unpack it.

You can unpack by renaming it as a tar.gz file, inside will be the pet specifications that you will need to put in the puppy-pkgs-spec. You do this so that when woof checks for packages to be used it will find what you just added.

But wait you will need to add to the Distro-packages as well.

2) Distro-packages this is where you will say yes for the package you want to add, you can just add the name in. This is also where you can say no to the pkgs you don't want in as well. I would remove the folders as well if they where downloaded before.


File Edit Search View Document Project Build Tools Help
New
Open
Save
Find
Back
Packages-puppy...recise-official
1 0hack1_precise_dev-20120820|0hack1_precise_dev
2 amd_fglrx-12.8-precise-k3.2.29|amd_fglrx|12.8-
3 chromium-22.0.1210.0-i686|chromium|22.0.1210.0-
4 firefox-16.0.1-i686-up|firefox|16.0.1-i686-up|
5 firefox_DEV-16.0.1-i686-up|firefox_DEV|16.0.1-
6 gimp-2.8.2-precise|gimp|2.8.2-precise||Graphic
7 gnome-menus-2.14.3-up|gnome-menus|2.14.3-up||B
8 gnome-menus_DEV-2.14.3-up|gnome-menus_DEV|2.14
9 gtkhash-0.6.0-i686-up|gtkhash|0.6.0-i686-up||U
10 gtkhash_NLS-0.6.0-i686-up|gtkhash_NLS|0.6.0-i6
11 gtk_youtube_viewer-3.0.2_precise|gtk_youtube_v
This is Geany 0.20 (svn >= r5486).


File Edit Search View Document Project Build Tools Help
New
Open
Save
Find
Back
Forward
DISTRO_PKGS_SP...-ubuntu-precise
26 #Generic format:
27 # yes|genericpkgname|[pkgnames]|[splitup]|[pet:[repo]]
28 # yes|genericpkgname|[pkgnames]|[splitup]|[compat:[repo]
29 #for a fuller explanation of the entries in PKGS_SPECS_T
30 # http://bkhome.org/blog/?viewDetailed=02414
31
32 PKGS_SPECS_TABLE='
33 no|0hack1_karmic_dev||exe>dev,dev,doc,nls| #TODO might n
34 yes|0hack1_precise_dev||exe>dev,dev,doc,nls| #ubuntu has
35 yes|915resolution||exe,dev,doc,nls
36 no|a52dec||exe,dev,doc,nls
37 yes|a52dec|liba52-0.7.4,liba52-0.7.4-dev|exe,dev,doc,nls
This is Geany 0.20 (svn >= r5486).