

How to Download and Build the latest version of gPHPedit Source Code

To facilitate easy content versioning and revisioning, the gPHPedit project source code has been hosted on *github*.

Though initially github might seem a bit confusing to beginners, it will prove to be much simple once the user gets a basic idea of how github works.

The basic steps listing for downloading the latest version of gPHPedit from the github '*repository*' follows.

[If unable to follow these steps, the user is advised to go through atleast the first two chapters of the "*Git User's Manual*" at

<http://www.kernel.org/pub/software/scm/git/docs/user-manual.html>]

STEPS:

[The following steps are described with respect to a fresh installation of Ubuntu 9.10 Karmic Koala. It should more or less be the same for almost any other distribution].

FOR DOWNLOADING SOURCE CODE

First, install the `git-core` package.

For example, in Ubuntu, use the following command:

```
sudo apt-get install git-core
```

Then *clone* gPHPedit's github repository to a *local git repository* using the following command:

```
git clone git://github.com/anoopjohn/gphpedit.git
```

This command will create a folder named `gphpedit` with the complete gPHPedit source code from the repository.

FOR BUILDING THE CODE

[Run the following commands **as superuser ('root')** to avoid permission denials].

First, enter the project directory.

```
cd ~/gphpedit
```

Next, we have to configure the build environment.

For that, type in the following command:

```
./configure
```

When we try to configure, if any of the build environment necessities are found missing, the `configure` utility lists down the missing dependencies.

All such missing dependency problems have to be sorted out before the project can be configured for build.

For example, in a basic Ubuntu Karmic installation, the following error log **excerpt** can be observed:

```
configure: error: Library requirements (
  gtk+-2.0
  libgnomeui-2.0
  gnome-vfs-2.0
  webkit-1.0
) not met; consider adjusting the PKG_CONFIG_PATH environment
variable if your libraries are in a nonstandard prefix so pkg-config can
find them.
```

As one can understand, this error log describes two possibilities for the error - either the dependencies are not installed, or their config paths have not properly been declared.

Mostly, the error can be attributed to the first cause.

We can install these dependencies using the following command:

```
sudo apt-get install libgtk2.0-dev libgnomeui-dev libwebkit-dev
```

After sorting out all such missing dependency problems, run the `configure` utility again.

After running the `configure` utility successfully, run the following commands:

```
make

make install
```

Now, if the build was successful, you should be able to find a new menu item labelled *gPHPEdit* in your *Applications > Programming* menu.