
Subject: Re: Upp 2007.1rc4 released
Posted by [ebojd](#) on Tue, 03 Apr 2007 13:35:04 GMT
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Sorry for the delay. I got home and went promptly to sleep last night...

fallingdutch wrote on Tue, 03 April 2007 00:41

ebojd wrote on Mon, 02 April 2007 15:02

*) added - in front of install so that it will deal appropriately
with files that already exist, etc.

what did you do? don't see the change in the patch either.

The comment should have read "added a '-' in front of install and
cp...". Adding a '-' in front of a makefile directive instructs make to continue processing even if an
error occurs. That way I can work on as many bugs as possible at one compile. This should likely
be removed from the final version. We might want to discuss that
though.

fallingdutch wrote on Tue, 03 April 2007 00:41

ebojd wrote on Mon, 02 April 2007 15:02

*) added trailing / to all install (cp -r *) lines. I do
not know where the bug is, but it will sometimes install
the files in a directory one above the destination.

yes, thought they have been there as you see the install lines.

Sorry, my bad. This was a misattempt to fix the copy problem
mentioned below (that was eventually solved by first creating the
directory with "mkdir -p". It should be removed.

fallingdutch wrote on Tue, 03 April 2007 00:41

ebojd wrote on Mon, 02 April 2007 15:02

*) current Makefiles break gentoo's multithreaded make. I'll
have to investigate this one.

please do so, i would like the makefile to run on as many systems as possible

This one is subtle... Basically, make can run in multi threaded
mode. Gentoo portage by default sets the number of processes (or
jobs) to be the number of processors in the system +1. It appears that how make does this is for
each given target run all dependencies simultaneously. So, when we get to ide/Makefile's lines:

```
all: install $(OutFile)
```

```
install:
```

```
-mkdir -p $(OutDir)
-mkdir -p $(OutDir_ide)
...
```

```
$(OutFile): \
$(OutDir_ide)SelectPkg.o \
$(OutDir_ide)UppWspc.o \
...
```

make will start the compilation of \$(OutDir_ide)SelectPkg.o simultaneously with making the \$(OutDir_ide), etc., directories. So the problem is basically a race condition.

It is going to take me a little time to figure out how to patch this in a sane manner. My first attempts will be to play with the ordering of the dependencies...

I would also like to rename the install directive to pre-build or something more intuitive because this one is not *really* installing anything, but preparing the system to build.

something along the lines of:

```
all: prebuild
    $(MAKE) $(OutFile)
```

```
prebuild:
```

```
-mkdir -p $(OutDir)
-mkdir -p $(OutDir_ide)
...
```

```
$(OutFile): \
$(OutDir_ide)SelectPkg.o \
$(OutDir_ide)UppWspc.o \
...
```

There is probably a better way to fix the dependencies, but it is alluding in this red hot moment.

fallingdutch wrote on Tue, 03 April 2007 00:41

ebojd wrote on Mon, 02 April 2007 15:02

*) change \$(DESTDIR)/usr/... to \$(DESTDIR)/... -- if the DESTDIR is set to usr, then everything is installed into /usr/usr.
Destdir should be set to something reasonable like /usr, /opt,

etc.

I am sorry, but that is impossible for me - the package builder asks for a \$DESTDIR to create a temporary folder where the root directory is simulated to create the package.

Any Idea how to get around this are welcome!

The easy way, and possibly not the best, is to add /usr to \$DESTDIR and remove it from the hardcoded path. I will take a look at the relevent Makefile documentation and see how the Makefile builder can be modified to produce more standard Makefiles <see <http://www.gnu.org/software/make/manual/make.html> for ideas>

fallingdutch wrote on Tue, 03 April 2007 00:41

ebojd wrote on Mon, 02 April 2007 15:02

I'm currently rebuilding upp (hopefully for the last time), but the folling patches should be helpful. I'll post the new upp-portage as soon as I know that it builds properly and pasts the QA tests.

The patch file should be attached.

Thanks, and I'm testing...

Thank you a lot for your help, will apply all patches except the ones with \$DESTDIR

Bas[/quote]

Ok. I can easily take care of the \$DESTDIR problem myself.

Cheers!

EBo --