
Subject: Upp 2007.1beta3 released
Posted by [unodgs](#) on Thu, 01 Feb 2007 08:39:21 GMT
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- + GLCtrl works in Linux (patch by Damien Porquet)
 - * GTK is now linked and GTK headers are required in order to compile U++ apps
 - * PCRE updated from version 6.6 to 7.0
 - NormalizePath in POSIX does not add " to names with spaces anymore
 - fixed problems with popup/pulldown menus on Gentoo/kde linux
-

Subject: Re: Upp 2007.1beta3 released
Posted by [ebojd](#) on Thu, 01 Feb 2007 17:08:16 GMT
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May I assume that the beta version has been checked into SVN
<<https://upp.svn.sourceforge.net/svnroot/upp>>? I just tried to update the repository and it appeared that it was already up to date, and did not patch the system at all. I feel like I'm missing something...

Subject: Re: Upp 2007.1beta3 released
Posted by [mirek](#) on Thu, 01 Feb 2007 17:17:46 GMT
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ebojd wrote on Thu, 01 February 2007 12:08May I assume that the beta version has been checked into SVN <<https://upp.svn.sourceforge.net/svnroot/upp>>? I just tried to update the repository and it appeared that it was already up to date, and did not patch the system at all. I feel like I'm missing something...

Very likely not. Daniel yet has to commit to sf.net SVN.

Mirek

Subject: Re: Upp 2007.1beta3 released
Posted by [unodgs](#) on Thu, 01 Feb 2007 17:27:46 GMT
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ebojd wrote on Thu, 01 February 2007 12:08May I assume that the beta version has been checked into SVN <<https://upp.svn.sourceforge.net/svnroot/upp>>? I just tried to update the repository and it appeared that it was already up to date, and did not patch the system at all. I

feel like I'm missing something...

Try now I always forget to update svn. Must investigate the time to synchronize it with uvs somehow..

Subject: Re: Upp 2007.1beta3 released
Posted by [ebojd](#) on Thu, 01 Feb 2007 20:13:37 GMT
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Well... I'll remind you))

I uploaded from SVN and forgot to save my old makefiles and such (which cleaned up a lot of stuff so users could build and run upp without root, and stuff like setting DESTDIR=/usr/local and stripping /usr from all the install paths, + adding a real uninstall). Oh well, I should know better.

When I updated the source compilation broke trying to build something with gtk. I'll try uploading everything clean again if I get a little break today or look into it over the weekend (read: sorry for putting off writing a real bug report, but I got some work to do). the beta_3 release compiled and installed OK.

If I work with you to revamp the Makefiles would it be worth your time? If so, is using autotools acceptable or not? straight Makefiles are OK too.

Subject: Re: Upp 2007.1beta3 released
Posted by [mirek](#) on Thu, 01 Feb 2007 20:31:54 GMT
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ebojd wrote on Thu, 01 February 2007 15:13

When I updated the source compilation broke trying to build something with gtk.

Well, that is the unfortunate change for beta3 - it now needs gtk development headers (because it seems the only *safe* way how to use gtk theming).

Mirek

Subject: Re: Upp 2007.1beta3 released
Posted by [ebojd](#) on Thu, 01 Feb 2007 20:47:42 GMT
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BTW, appended is some hacks to the head Makefile that might be useful... These were

convenience hacks to make the old SVN source to compile and install easy.

EBo --

```
-----

### export UPPOUT = out/
# EBo -- try explicit paths
export UPPOUT = $(shell pwd)/out/
export OutFile = $(UPPOUT)ide/GCC-Gcc-Gui-Linux-Main-Shared/ide

# EBo -- Allow admins to set the destination directory to something
# more reasonable (like "/usr/local/" instead of "/usr/local/usr/")
# which is used to do. "/usr" may be preferred.
ifeq ($(DESTDIR),)
    DESTDIR = /usr/local
endif

.PHONY: theide
theide:
    $(MAKE) -f uppsrc/ide/Makefile

# EBo -- making theide separate from install will allow users to
# build and test without root access.
.PHONY: all
all: theide # install clean

# EBo -- install (-D) will create the appropriate parent directories
#
# mkdir -p $(DESTDIR)/bin
# mkdir -p $(DESTDIR)/share/applications
# mkdir -p $(DESTDIR)/share/pixmaps
# mkdir -p $(DESTDIR)/share/upp
.PHONY: install
install:
    install -D $(OutFile) $(DESTDIR)/bin/theide
    install -D uppsrc/ide/theide.desktop $(DESTDIR)/share/applications/theide.desktop
    install -D uppsrc/ide/theide-48.png $(DESTDIR)/share/pixmaps/theide.png
    install -D uppsrc/ide/GCC.bm $(DESTDIR)/share/upp
    cp -r Common $(DESTDIR)/share/upp
    cp -r uppsrc $(DESTDIR)/share/upp
    cp -r examples $(DESTDIR)/share/upp
    cp -r reference $(DESTDIR)/share/upp
    cp -r tutorial $(DESTDIR)/share/upp

.PHONY: clean
clean:
```

```
${RM} -r $(UPPOUT)
```

Remove all public traces...

uninstall:

```
${RM} $(DESTDIR)/bin/theide  
${RM} $(DESTDIR)/share/applications/theide.desktop  
${RM} $(DESTDIR)/share/pixmaps/theide.png  
${RM} -r $(DESTDIR)/share/upp
```

Subject: Re: Upp 2007.1beta3 released

Posted by [ebojd](#) on Thu, 01 Feb 2007 20:54:27 GMT

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I have GTK (both versions 1.2 and 2.0) installed on the system. At first it could not find any of the GTK stuff, but after I tried to add the include directory output from `gtk-config --cflags` (which returned "-I/usr/include/gtk-1.2 -I/usr/include/glib-1.2 -I/usr/lib/glib/include") it broke all over the place.

As I said, the beta3 tarball compiled fine, but the stuff I just uploaded from SVN did not. It appears the source was caught in between some changes, I have the wrong version of GTK, or it is a feature that has yet to nail my foot to the floor.

Which version of GTK are you using/requiring?

Subject: Re: Upp 2007.1beta3 released

Posted by [mirek](#) on Thu, 01 Feb 2007 21:09:40 GMT

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gtk 2.*

No wonder it broke with 1.2

Mirek

Subject: Re: Upp 2007.1beta3 released

Posted by [ebojd](#) on Thu, 01 Feb 2007 21:14:24 GMT

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Sorry I was not clear. After it broke with 1.2 I tried it with 2.0.

Does beta3 also use GTK?

appended are the first few relative lines:

```
EBo --  
  
-----  
...  
  
mkdir -p ../../out/plugin/png/GCC33-Gcc32-Gui-Linux/  
c++ -c -O1 -ffunction-sections -x c++ -I./ -I/usr/include -I/usr/X11R6/include/  
-I/usr/include/freetype2 -I/usr/include/gtk-2.0 -I/usr/include/glib-2.0 -I/usr/lib/glib/include -DflagGUI  
-DflagGCC32 -DflagLINUX ../CtrlLib/ChGtk.cpp -o  
../../out/CtrlLib/GCC33-Gcc32-Gui-Linux/ChGtk.o  
In file included from /usr/include/gtk-2.0/gdk/gdkcairo.h:23,  
    from /usr/include/gtk-2.0/gdk/gdk.h:30,  
    from /usr/include/gtk-2.0/gtk/gtk.h:31,  
    from ../CtrlLib/ChGtk.cpp:20:  
/usr/include/gtk-2.0/gdk/gdkcolor.h:30:19: error: cairo.h: No such file or directory  
In file included from /usr/include/gtk-2.0/gdk/gdkcolor.h:31,  
    from /usr/include/gtk-2.0/gdk/gdkcairo.h:23,  
    from /usr/include/gtk-2.0/gdk/gdk.h:30,  
    from /usr/include/gtk-2.0/gtk/gtk.h:31,  
    from ../CtrlLib/ChGtk.cpp:20:  
/usr/include/gtk-2.0/gdk/gdktypes.h:33:25: error: pango/pango.h: No such file or directory  
/usr/include/gtk-2.0/gdk/gdktypes.h:51:23: error: gdkconfig.h: No such file or directory  
In file included from /usr/include/gtk-2.0/gdk/gdk.h:30,  
    from /usr/include/gtk-2.0/gtk/gtk.h:31,  
    from ../CtrlLib/ChGtk.cpp:20:  
  
...
```

Subject: Re: Upp 2007.1beta3 released
Posted by [mirek](#) on Thu, 01 Feb 2007 21:30:53 GMT
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Obviously, you need more headers than gtk only, but those used by gtk too. I would expect them to be installed along with gtk, but this is not the case..

Mirek

Subject: Re: Upp 2007.1beta3 released
Posted by [ebojd](#) on Thu, 01 Feb 2007 21:31:46 GMT
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Well, I took a break and played with the SVN tree some more...

After adding:

```
-l/usr/lib/gtk-2.0/include \  
-l/usr/include/pango-1.0 \  
-l/usr/include/cairo \  
-l/usr/include/atk-1.0 \
```

I got much further, but still dies with odd errors...

Anyway, gtk-config gives me the 1.2 info and no way to switch to 2.0 conveniently. Durring a recent upgrade I may have hosed something in my system. I'll check into it this weekend.

Subject: Re: Upp 2007.1beta3 released
Posted by [ebojd](#) on Thu, 01 Feb 2007 21:35:57 GMT
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Our replies crossed in the forum...

I realized after I posted first error messages that it was looking for a dependency. I will look into this more over the weekend -- when I can dedicate some focus time on testing and writing careful bug reports -- instead of dashing something off in a hurry. Sorry bout that.

Thanks again,

Subject: Re: Upp 2007.1beta3 released
Posted by [ebojd](#) on Thu, 01 Feb 2007 21:46:17 GMT
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one last mad dash

I did a quick check of one of my configuration files. I had typed "gtk3" instead of "gtk2". So now I am starting rebuilding my system with proper gtk-2.0 support. Uggg...

Sorry about that.

Subject: Re: Upp 2007.1beta3 released
Posted by [lundman](#) on Fri, 02 Feb 2007 12:50:41 GMT
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Still compiles on OsX fine, but I have no GTK, so I used flagNOGTK. Don't personally need chameleon so that is ok.

Lund

Subject: Re: Upp 2007.1beta3 released
Posted by [ebojd](#) on Sun, 04 Feb 2007 16:50:38 GMT
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I forgot that gtk-2.0 is configured using pkg-config instead of gtk-config. So appending the following in appropriate places gets much further along.

```
CINC += `pkg-config gtk+-2.0 --cflags`  
LIBS  = `pkg-config gtk+-2.0 --libs`
```

beta3 compiles and runs fine. The source in the SVN however compiles using -DflagNOGTK, but the first time I moved the mouse it crashed (I could run through various steps via key commands). I got the following error:

```
XIO: fatal IO error 0 (Success) on X server ":0.0" after 6720  
requests (6718 known processed) with 0 events remaining.
```

When I compile without flagNOGTK, I get errors that it "cannot find -lgtk-x11-2.0".
/usr/lib/libgtk-x11-2.0.la but probably needs libtool to link it as there is not a static version, just .so and .la. I'll play with it later as I get some time.

Subject: Re: Upp 2007.1beta3 released
Posted by [atmks](#) on Sun, 04 Feb 2007 21:43:30 GMT
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hi

i want compile ide on FreeBSD, and i get a linker error:

Linking...
/usr/bin/ld: cannot find -ldl

because -ldl linker option is defined on platform FreeBSD in file uppsrc/Draw.upp

Subject: Re: Upp 2007.1beta3 released
Posted by [mirek](#) on Mon, 05 Feb 2007 06:37:26 GMT
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atmks wrote on Sun, 04 February 2007 16:43hi

i want compile ide on FreeBSD, and i get a linker error:

Linking...
/usr/bin/ld: cannot find -ldl

because -ldl linker option is defined on platform FreeBSD in file uppsrc/Draw.upp

If you remove that, does it improve things?

MIrek

Subject: Re: Upp 2007.1beta3 released
Posted by [atmks](#) on Mon, 05 Feb 2007 07:53:13 GMT
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luzr wrote on Mon, 05 February 2007 07:37atmks wrote on Sun, 04 February 2007 16:43hi

i want compile ide on FreeBSD, and i get a linker error:

Linking...
/usr/bin/ld: cannot find -ldl

because -ldl linker option is defined on platform FreeBSD in file uppsrc/Draw.upp

If you remove that, does it improve things?

Mlrek

hi
yes

Subject: Re: Upp 2007.1beta3 released
Posted by [piotr5](#) on Tue, 13 Feb 2007 11:45:10 GMT
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except for the already mentioned bugs, it just works great.
for the interrupted compilation I have found the solution,
I think:

```
--- upp-uvs/Web/sproc.cpp 2007-01-06 14:59:48.000000000 +0100
+++ test/Web/sproc.cpp 2007-02-13 03:11:48.000000000 +0100
@@ -111,7 +111,7 @@
     if(rpipe[1] >= 0) { close(rpipe[1]); rpipe[1] = -1; }
     if(wpipe[0] >= 0) { close(wpipe[0]); wpipe[0] = -1; }
     if(wpipe[1] >= 0) { close(wpipe[1]); wpipe[1] = -1; }
- waitpid(pid, 0, WNOHANG | WUNTRACED);
+ if(pid) waitpid(pid, 0, WNOHANG | WUNTRACED);
     pid = 0;
     output_read = false;
 #endif
@@ -328,7 +328,7 @@
     kill(pid, SIGTERM);
     GetExitCode();
     int status;
- if(waitpid(pid, &status, 0) == pid)
+ if(pid && waitpid(pid, &status, 0) == pid)
         DecodeExitCode(status);
     exit_string = "Child process has been killed.\n";
 }
```

and maybe

```
--- upp-uvs/ide/Host.cpp 2007-01-06 14:56:44.000000000 +0100
+++ test/ide/Host.cpp 2007-02-13 03:11:29.000000000 +0100
@@ -158,7 +158,7 @@
     Vector<int>& pid = sPid();
     int i = 0;
     while(i < pid.GetCount())
```

```
- if(waitpid(pid[i], 0, WNOHANG | WUNTRACED) > 0)
+ if(pid[i] && waitpid(pid[i], 0, WNOHANG | WUNTRACED) > 0)
  pid.Remove(i);
else
  i++;
```

the point of this bugfix is that if one keeps calling waitpid with an explicite pid, then using the pid "0" should be avoided at all cost, as it does act in an unexpected way: instead of waiting for the process with pid 0, it just waits for any process with the same group-id as the calling program, and thereby the exitcode could get lost...

Subject: Re: Upp 2007.1beta3 released
Posted by [mirek](#) on Sun, 18 Feb 2007 18:19:41 GMT
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piotr5 wrote on Tue, 13 February 2007 06:45
the point of this bugfix is that if one keeps calling waitpid with an explicite pid, then using the pid "0" should be avoided at all cost, as it does act in an unexpected way: instead of waiting for the process with pid 0, it just waits for any process with the same group-id as the calling program, and thereby the exitcode could get lost...

Thanks, fix applied.

Mirek
