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Subject: src package should now work just fine in Linux and BSD

Posted by [mirek](#) on Sun, 19 Apr 2009 12:02:29 GMT

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I have spend some time trying to fix src package.

I believe it should now work quite fine on most system, including initial U++ setup.

I mean

make

make install

~/theide

and you should be running.

I would be glad to hear reports how well it really works. Anybody with POSIX system, please report!

(If you happen to fix 'domake' or 'doinstall' scripts too, post here

Mirek

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [phirox](#) on Mon, 20 Apr 2009 13:39:25 GMT

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I got it working eventually, but it really needed some help.

First:

sh domake

domake: line 18: syntax error: unexpected end of file

make: \*\*\* [all] Error 2

This is caused because lines are terminated by CRLF instead of just LF(posix style).

Second:

I had my subversion sources in ~/uppsvn, the whole src script is hardcoded to use ~/upp.src

Third:

The script uses ~/bin/theide, this should be configurable or autodetected(preferable)

Fourth:

The script starts removing stuff! This is really dangerous considering the generic named ~/upload, ~/upp.tmp is more safe because it has the product name in it. (even though everyone should have backups of course )

Fifth:

It doesn't copy the uppsrc directory to ~/upp.tmp , I'll give it a look later if this is the correct way.

My own insights:

Theoretically on linux it is preferably to do everything within the unpacked source tree, incl. temporary files. And you will still need an initial binary to generate the Makefile, or is this going to be included with every stable release?

I am working on some changes for the src script to autodetect points 2 and 3. I will add that later.

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [mirek](#) on Mon, 20 Apr 2009 14:18:34 GMT

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phirox wrote on Mon, 20 April 2009 09:39I got it working eventually, but it really needed some help.

First:

```
sh domake
```

```
domake: line 18: syntax error: unexpected end of file
```

```
make: *** [all] Error 2
```

This is caused because lines are terminated by CRLF instead of just LF(posix style).

Second:

I had my subversion sources in ~/uppsvn, the whole src script is hardcoded to use ~/upp.src

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My own insights:

Theoretically on linux it is preferably to do everything within the unpacked source tree, incl. temporary files. And you will still need an initial binary to generate the Makefile, or is this going to be included with every stable release?

I am working on some changes for the src script to autodetect points 2 and 3. I will add that later.

I am afraid we got two things mixed. I am speaking about the 'product', downloadable here:

<http://code.google.com/p/upp-mirror/downloads/detail?name=upp-p-src-1078.tar.gz&can=2&q=#makechanges>

I believe you are, at least partially, speaking about infrastructure scripts used to create this 'product'.

Am I right?

Still, CRLF issue perhaps holds, but I have not had any problems with it yet. What system you are on?

Mirek

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [phirox](#) on Mon, 20 Apr 2009 14:49:57 GMT

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Ah yes!

Well I tried again, and the domake file had the same issue as before. (fixed with the command "busybox dos2unix domake").

I use: Gentoo Linux 2.6.28-hardened-r7 #1 SMP x86\_64 AMD GNU/Linux

After that it compiled correctly. And also does not have any of the above mentioned 'issues'.

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [koldo](#) on Tue, 21 Apr 2009 06:14:25 GMT

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Hello luzr

I had the same problem that phirox had but the fix "busybox dos2unix domake" also worked for me.

Ide compiled right: Ubuntu 8.10 32 bits.

Best regards  
Koldo

Subject: Re: src package should now work just fine in Linux and BSD

Posted by [mirek](#) on Tue, 21 Apr 2009 18:41:36 GMT

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I hope that issue should be now fixed. Please check.

Mirek

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [koldo](#) on Tue, 21 Apr 2009 20:49:49 GMT

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Hello luzr

When I enter <http://code.google.com/p/upp-mirror/downloads/list> I see in the top of the list:

upp-win32-1091.exe    automated\_build    83 minutes ago

upp-src-1078.tar.gz    nightly\_build    43 hours ago

It seem it is not possible to get the corresponding upp-src-1091.tar.gz file.

Best regards

Koldo

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [mirek](#) on Tue, 21 Apr 2009 21:27:13 GMT

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I am sorry, I am having 'issues' whith automated builds right now. Working on it...

Mirek

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [koldo](#) on Wed, 22 Apr 2009 06:14:35 GMT

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One question

Now the file that appears is "upp-x11-src-1091.tar.gz".

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Does it mean that it only can be used in Posix systems?

Best regards  
Koldo

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Subject: Re: src package should now work just fine in Linux and BSD  
Posted by [mirek](#) on Wed, 22 Apr 2009 06:55:31 GMT  
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koldo wrote on Wed, 22 April 2009 02:14One question

Now the file that appears is "upp-x11-src-1091.tar.gz".

Does it mean that it only can be used in Posix systems?

Best regards  
Koldo

Well, the make/install (Makefile, doinstall) process is for X11/GCC systems only (and, I guess, right now it will not work on all either - but that is something to fix gradually).

Of course, there are standard U++ packages with universal sources in it.

I believe it might work on all x86 Linuxes and maybe all BSDs, somebody should check with Solaris...

Mirek

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Subject: Re: src package should now work just fine in Linux and BSD  
Posted by [cocob](#) on Wed, 22 Apr 2009 07:02:22 GMT  
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does not work on solaris sparc with gcc 4.3  
I think the problem is

```
#if __linux
    #define PLATFORM_LINUX 1
#else // ToDo
    #define PLATFORM_BSD 1
    #define PLATFORM_FREEBSD 1
#endif
```

cocob

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [masu](#) on Wed, 22 Apr 2009 08:53:53 GMT

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cocob wrote on Wed, 22 April 2009 09:02does not work on solaris sparc with gcc 4.3

I think the problem is

```
#if __linux
    #define PLATFORM_LINUX 1
#else // ToDo
    #define PLATFORM_BSD 1
    #define PLATFORM_FREEBSD 1
#endif
```

cocob

I am about to prepare the next OpenBSD patch set (the last one was not included by Mirek until now), I modified this section to:

```
#if __unix || __unix__
...
#endif
#if __linux
    #define PLATFORM_LINUX 1
#else // ToDo
    #if _FreeBSD_
        #define PLATFORM_BSD 1
        #define PLATFORM_FREEBSD 1
    #elif _OpenBSD_
        #define PLATFORM_BSD 1
        #define PLATFORM_OPENBSD 1
    #else
        #error Unknown OS !
    #endif
#endif
#endif
```

I do not have the actual code here, but it could also be `__*BSD__` instead of `_*BSD_`. And maybe one could use `_Solaris_` for Solaris OS or whatever is defined by installed GCC.

Matthias

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [phirox](#) on Wed, 22 Apr 2009 11:28:27 GMT

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```
#ifdef __sun
    #define PLATFORM_SUN 1
```

#endif

This is for solaris, works for both the sun compiler and gcc.

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [cocob](#) on Wed, 22 Apr 2009 15:43:28 GMT

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did you managed to build upp with sun compiler ??

cocob

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [koldo](#) on Wed, 22 Apr 2009 22:20:58 GMT

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Hello luzr

Now it compiles well.

Best regards

Koldo

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [mirek](#) on Thu, 23 Apr 2009 14:16:50 GMT

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masu wrote on Wed, 22 April 2009 04:53cocob wrote on Wed, 22 April 2009 09:02does not work on solaris sparc with gcc 4.3

I think the problem is

```
#if __linux
    #define PLATFORM_LINUX 1
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    #define PLATFORM_BSD 1
    #define PLATFORM_FREEBSD 1
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```

cocob

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#if __unix || __unix__
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#if __linux
    #define PLATFORM_LINUX 1
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        #define PLATFORM_FREEBSD 1
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        #define PLATFORM_BSD 1
        #define PLATFORM_OPENBSD 1
    #else
        #error Unknown OS !
    #endif
#endif
#endif

```

I do not have the actual code here, but it could also be `__*BSD__` instead of `_*BSD_`. And maybe one could use `_Solaris_` for Solaris OS or whatever is defined by installed GCC.

Matthias

It is actually sort of question whether we need both (BSD and specificBSD). In fact, I guess I should change all `#ifdef PLATFORM_FREEBSD` to just `PLATFORM_BSD`.

If you are going to fix for OpenBSD, this is the first thing to try.

Mirek

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Subject: Re: src package should now work just fine in Linux and BSD  
 Posted by [mirek](#) on Thu, 23 Apr 2009 14:17:28 GMT  
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---

phirox wrote on Wed, 22 April 2009 07:28

```

#ifdef __sun
    #define PLATFORM_SUN 1
#endif

```

This is for solaris, works for both the sun compiler and gcc.

Well, through the code, there is `PLATFORM_SOLARIS` used...

Mirek



Subject: Re: src package should now work just fine in Linux and BSD

Posted by [masu](#) on Thu, 23 Apr 2009 14:20:33 GMT

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There were subtle differences in the past between FreeBSD and OpenBSD, that is why I still needed PLATFORM\_OPENBSD.

I will double check ...

Matthias

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [mirek](#) on Thu, 23 Apr 2009 14:22:12 GMT

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masu wrote on Thu, 23 April 2009 10:20: There were subtle differences in the past between FreeBSD and OpenBSD, that is why I still needed PLATFORM\_OPENBSD.

I will double check ...

Matthias

OK.

Looking forward to patches.

Mirek

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [masu](#) on Thu, 23 Apr 2009 21:10:51 GMT

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Here it is:

[http://www.ultimatepp.org/forum/index.php?t=msg&goto=20974&#msg\\_20974](http://www.ultimatepp.org/forum/index.php?t=msg&goto=20974&#msg_20974)

PLATFORM\_BSD flag unification seems to work .

I also added NetBSD, but cannot test it here, maybe somebody can check that ...

Matthias

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [sevenjay](#) on Fri, 24 Apr 2009 07:31:12 GMT

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luzr wrote on Tue, 21 April 2009 20:41: I hope that issue should be now fixed. Please check.

Mirek

---

I think this is the different Newline format on OS.

Quote:

- \* LF: Unix and Unix-like systems
- \* CR+LF: DOS, Microsoft Windows, Symbian OS

Using Notepad++ transformed CR+LF into LF is ok.

---

## File Attachments

1) [2009-04-24.png](#), downloaded 784 times

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Subject: Re: src package should now work just fine in Linux and BSD

Posted by [mirek](#) on Fri, 24 Apr 2009 07:38:06 GMT

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sevenjay wrote on Fri, 24 April 2009 03:31luzr wrote on Tue, 21 April 2009 20:41I hope that issue should be now fixed. Please check.

Mirek

I think this is the different Newline format on OS.

Quote:

- \* LF: Unix and Unix-like systems
- \* CR+LF: DOS, Microsoft Windows, Symbian OS

Using Notepad++ transformed CR+LF into LF is ok.

I am sorry, sevenjay, I am not quite sure what you wanted to say.

We all know CRLF was the issue. It should be now OK (by changing release scripts).

Mirek

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