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Subject: Unable to build on Arch Linux

Posted by [xyproto](#) on Tue, 10 Jul 2012 22:00:50 GMT

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Hi,

When trying to build the AUR (user submitted) package for theide, I get the following errors:

```
-> Building theide...
Using 4 parallel jobs ...
Parsing package files needed for ide ...
Building package ide [TheIDE main package] (495 files in 35 packages, flags: GCC GUI LINUX
MAIN MT POSIX)
  Creating directory
/home/alexander/archpackages/theide/src/_out/CtrlLib/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/CtrlCore/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/RichEdit/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/RichText/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/PdfDraw/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/Web/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/ide/Browser/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/ide/Builders/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/plugin/bmp/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/plugin/gif/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/plugin/jpg/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/plugin/png/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/CodeEditor/GCC_GUI_LINUX_MT_POSIX_SPEED/
D/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/Core/GCC_GUI_LINUX_MT_POSIX/ ...
  Creating directory
/home/alexander/archpackages/theide/src/_out/CppBase/GCC_GUI_LINUX_MT_POSIX_SPEED/
...
Compiling CtrlCore/SystemDraw.cpp (flags GCC GUI LINUX MT POSIX) [1/495] ...
Compiling CtrlCore/Frame.cpp (flags GCC GUI LINUX MT POSIX) [2/495] ...
Compiling CtrlCore/CtrlMt.cpp (flags GCC GUI LINUX MT POSIX) [3/495] ...
```

Compiling CtrlCore/Ctrl.cpp (flags GCC GUI LINUX MT POSIX) [4/495] ...

In file included from uppsrc/Core/Core.h:233:0,  
 from uppsrc/Draw/Draw.h:6,  
 from uppsrc/RichText/RichText.h:4,  
 from uppsrc/CtrlCore/CtrlCore.h:4,  
 from uppsrc/CtrlCore/Frame.cpp:1:  
 uppsrc/Core/BiCont.h: In member function 'bool Upp::BiArray<T>::IsPicked() const':  
 uppsrc/Core/BiCont.h:122:64: error: no matching function for call to  
 'Upp::BiVector<void\*>::IsPicked() const'  
 uppsrc/Core/BiCont.h:122:64: note: candidate is:  
 uppsrc/Core/BiCont.h:51:11: note: bool Upp::BiVector<T>::IsPicked() [with T = void\*] <near  
 match>  
 uppsrc/Core/BiCont.h:51:11: note: no known conversion for implicit 'this' parameter from  
 'const Upp::BiVector<void\*>\*' to 'Upp::BiVector<void\*>\*'
 In file included from uppsrc/Core/Core.h:233:0,  
 from uppsrc/Draw/Draw.h:6,  
 from uppsrc/RichText/RichText.h:4,  
 from uppsrc/CtrlCore/CtrlCore.h:4,  
 from uppsrc/CtrlCore/SystemDraw.cpp:1:  
 uppsrc/Core/BiCont.h: In member function 'bool Upp::BiArray<T>::IsPicked() const':  
 uppsrc/Core/BiCont.h:122:64: error: no matching function for call to  
 'Upp::BiVector<void\*>::IsPicked() const'  
 uppsrc/Core/BiCont.h:122:64: note: candidate is:  
 uppsrc/Core/BiCont.h:51:11: note: bool Upp::BiVector<T>::IsPicked() [with T = void\*] <near  
 match>  
 uppsrc/Core/BiCont.h:51:11: note: no known conversion for implicit 'this' parameter from  
 'const Upp::BiVector<void\*>\*' to 'Upp::BiVector<void\*>\*'
 In file included from uppsrc/Core/Core.h:233:0,  
 from uppsrc/Draw/Draw.h:6,  
 from uppsrc/RichText/RichText.h:4,  
 from uppsrc/CtrlCore/CtrlCore.h:4,  
 from uppsrc/CtrlCore/CtrlMt.cpp:1:  
 uppsrc/Core/BiCont.h: In member function 'bool Upp::BiArray<T>::IsPicked() const':  
 uppsrc/Core/BiCont.h:122:64: error: no matching function for call to  
 'Upp::BiVector<void\*>::IsPicked() const'  
 uppsrc/Core/BiCont.h:122:64: note: candidate is:  
 uppsrc/Core/BiCont.h:51:11: note: bool Upp::BiVector<T>::IsPicked() [with T = void\*] <near  
 match>  
 uppsrc/Core/BiCont.h:51:11: note: no known conversion for implicit 'this' parameter from  
 'const Upp::BiVector<void\*>\*' to 'Upp::BiVector<void\*>\*'
 In file included from uppsrc/Core/Core.h:233:0,  
 from uppsrc/Draw/Draw.h:6,  
 from uppsrc/RichText/RichText.h:4,  
 from uppsrc/CtrlCore/CtrlCore.h:4,  
 from uppsrc/CtrlCore/Ctrl.cpp:1:  
 uppsrc/Core/BiCont.h: In member function 'bool Upp::BiArray<T>::IsPicked() const':  
 uppsrc/Core/BiCont.h:122:64: error: no matching function for call to  
 'Upp::BiVector<void\*>::IsPicked() const'

```

uppsrc/Core/BiCont.h:122:64: note: candidate is:
uppsrc/Core/BiCont.h:51:11: note: bool Upp::BiVector<T>::IsPicked() [with T = void*] <near
match>
uppsrc/Core/BiCont.h:51:11: note: no known conversion for implicit 'this' parameter from
'const Upp::BiVector<void*>*' to 'Upp::BiVector<void*>*'
make[1]: ***
[/home/alexander/archpackages/theide/src/_out/CtrlCore/GCC_GUI_LINUX_MT_POSIX/Frame.o]
Error 1
make[1]: *** Waiting for unfinished jobs....
make[1]: ***
[/home/alexander/archpackages/theide/src/_out/CtrlCore/GCC_GUI_LINUX_MT_POSIX/CtrlMt.o]
Error 1
make[1]: ***
[/home/alexander/archpackages/theide/src/_out/CtrlCore/GCC_GUI_LINUX_MT_POSIX/SystemD
raw.o] Error 1
make[1]: ***
[/home/alexander/archpackages/theide/src/_out/CtrlCore/GCC_GUI_LINUX_MT_POSIX/Ctrl.o]
Error 1
make: [ide] Error 2 (ignored)

```

This is with gcc 4.7.1 on 64-bit Arch Linux.

Best regards,  
Alexander Rødseth

Subject: Re: Unable to build on Arch Linux  
 Posted by [dolik.rce](#) on Wed, 11 Jul 2012 05:20:30 GMT  
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Hi Alexander,

Welcome to the forum

You are building the stable release, 4193. It is in fact pretty old (but there wasn't any newer since then). The error is caused by a bug that was fixed in revision 4933 about two months ago.

I would suggest you to try the svn version of the package, it is always up to date. I think that especially on Arch, with its rapid adoption of latest compiler and library versions, it is a good idea to use the latest software that is patched to work with them

If you don't feel like using svn source, you can add a simple patch in the PKGBUILD, all you need to do is to correct uppsrc/Core/BiCont.h:Index: BiCont.h

```

=====
--- BiCont.h (revision 4932)
+++ BiCont.h (revision 4933)
@@ -48,7 +48,7 @@
void    Serialize(Stream& s);

```

#endif

```
- bool    IsPicked()                { return items < 0; }
+ bool    IsPicked() const          { return items < 0; }

    BiVector(const BiVector& src, int)    { DeepCopy0(src); }
    BiVector(pick_ BiVector& src)        { Pick(src); }
```

Best regards,  
Honza

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Subject: Re: Unable to build on Arch Linux  
Posted by [dolik.rce](#) on Wed, 11 Jul 2012 06:06:23 GMT  
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PS: I added the patch into the stable PKGBUILD and released as 4193-2.

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Subject: Re: Unable to build on Arch Linux  
Posted by [xyproto](#) on Wed, 11 Jul 2012 14:16:09 GMT  
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Hi,

Thanks for the swift reply and warm welcome to the forum.

The upp package has now been updated to 4193 (thanks dolik.rce). There is also the upp-svn package, from before.

If upp proves to be popular/useful it might become an official package in the future. In the mean time, it seems to be in good hands.

- Alexander

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Subject: Re: Unable to build on Arch Linux  
Posted by [dolik.rce](#) on Wed, 11 Jul 2012 15:19:26 GMT  
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xyproto wrote on Wed, 11 July 2012 16:16Hi,

Thanks for the swift reply and warm welcome to the forum.

The upp package has now been updated to 4193 (thanks dolik.rce). There is also the upp-svn package, from before.

If upp proves to be popular/useful it might become an official package in the future. In the mean time, it seems to be in good hands.

- Alexander

Just to make things clear The package was version 4193 and still is 4193, as that is the official release. I just added a patch to make it work with gcc 4.7 and incremented package release version (4193-1 -> 4193-2).

I hope the packages will one day become popular enough to make it at least into community repo

Honza

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