Subject: Ultimate++: is it a platform or framework?
Posted by **fudadmin** on Wed, 08 Mar 2006 16:25:45 GMT
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Ultimate++: is it a platform or framework?

Subject: Re: Ultimate++: is it a platform or framework?
Posted by **mirek** on Wed, 08 Mar 2006 17:15:05 GMT
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A good question

Mirek

Subject: Re: Ultimate++: is it a platform or framework?
Posted by **fudadmin** on Wed, 08 Mar 2006 17:34:14 GMT
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If we use "platform" (like it is now on upp homepage), then logically we get:
"Ultimate++ is a platform ... for cross-platform"...
I feel "framework" would be more appropriate.
"Platform" more relates to "operating systems". Java is a platform because it is "virtual OS". But Ultimate can't run that way.

Subject: Re: Ultimate++: is it a platform or framework?
Posted by **fudadmin** on Wed, 08 Mar 2006 17:43:15 GMT
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I found this on the internet:
Quote:
Magma avoids the term "platform," Shukla said, because it implies a physical object on which tools sit on top. There is, indeed, room for confusion. If a customizable SoC is a "platform," a workstation is a "platform" and the tools that run on it are a "platform," we're using platforms that run on platforms to design platforms.

- Richard Goering
Design Automation for EE Times

Subject: Re: Ultimate++: is it a platform or framework?
Posted by **mirek** on Wed, 08 Mar 2006 17:45:40 GMT
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fudadmin wrote on Wed, 08 March 2006 12:34If we use "platform" (like it is now on upp homepage), then logically we get:
"Ultimate++ is a platform ... for cross-platform"...
I feel "framework" would be more appropriate.
"Platform" more relates to "operating systems". Java is a platform because it is "virtual OS". But Ultimate can't run that way.

I agree with "framework". But "development suite" is maybe even more accurate.

Just a sidenote, U++ tends to be "virtual OS", just like Java (the same code runs on Win32 or Linux)

Mirek

Subject: Re: Ultimate++: is it a platform or framework?
Posted by fudadmin on Wed, 08 Mar 2006 17:53:45 GMT
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Which definition is wider? "Framework" or "development suite"?
What are the differences?

Subject: Re: Ultimate++: is it a platform or framework?
Posted by mirek on Wed, 08 Mar 2006 17:58:08 GMT
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fudadmin wrote on Wed, 08 March 2006 12:53Which definition is wider? "Framework" or "development suite"?
What are the differences?

Not sure. I believe that the difference is TheIDE?

BTW, on the www frontpage, C++ platform is now gone in favor of "C++ GUI Toolkit".

Mirek

Subject: Re: Ultimate++: is it a platform or framework?
Posted by fudadmin on Wed, 08 Mar 2006 18:08:09 GMT
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KDevelop is a software development suite.
Qt is a framework.

...?

Subject: Re: Ultimate++: is it a platform or framework?
Posted by mirek on Wed, 08 Mar 2006 18:18:25 GMT

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fudadmin wrote on Wed, 08 March 2006 13:08KDevelop is a software development suite.
Qt is a framework.

...?

Makes U++ a "software development suite framework"?

That is why I have used "platform" so far.

Mirek

Subject: Re: Ultimate++: is it a platform or framework?
Posted by fudadmin on Wed, 08 Mar 2006 18:19:58 GMT

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.NET is framework. But "Visual Studio" is a development suite.

I see logical that
"TheIDE" + "upp libraries="Ultimate++ framework"
where
"TheIDE" ="development suite"

...?

Subject: Re: Ultimate++: is it a platform or framework?
Posted by mirek on Wed, 08 Mar 2006 18:25:05 GMT

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fudadmin wrote on Wed, 08 March 2006 13:19.NET is framework. But "Visual Studio" is a
development suite.

I see logical that
"TheIDE" + "upp libraries="Ultimate++ framework"
where
"TheIDE" ="development suite"

...?

Yes, but if Qt is framework?

Actually, whatever. I have no problem using "framework" instead of "platform". Maybe it is indeed more correct. I will gradually fix all references...

Mirek

Subject: Re: Ultimate++: is it a platform or framework?
Posted by fudadmin on Wed, 08 Mar 2006 18:48:17 GMT
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luzr wrote on Wed, 08 March 2006 18:25fudadmin wrote on Wed, 08 March 2006 13:19.NET is framework. But "Visual Studio" is a development suite.

I see logical that
"TheIDE" + "upp libraries="Ultimate++ framework"
where
"TheIDE" ="development suite"

...?

Yes, but if Qt is framework?

Mirek

This is where, I think, I caught them.   ?

They should call it "Qt is a GUI toolkit" (like FOX-toolkit) + 3 tools: Qt Designer, Qt Linguist, Qt Assistant.

Comments?

Subject: Re: Ultimate++: is it a platform or framework?
Posted by fudadmin on Wed, 08 Mar 2006 20:16:51 GMT

more interesting definitions of "application framework":
Quote:
Frameworks are in effect skeletal or generic applications which can be fleshed out and customized into full-fledged software programs.
 In recent years frameworks have been successfully implemented for a few specific application domains, most notably user interfaces, data processing, and telecommunications. A successful framework is a breakthrough because it means that developers no longer have to start from scratch: if a framework can successfully generate one user interface, it can generate any user interface.
fromhttp://www.wiley.com/legacy/compbooks/catalog/24875-4.htm

Quote:Frameworks are generalized and customized application, which can be built upon into a complete and fully functional software programs.
In recent years frameworks have been successfully implemented for some specific application domains, most notably user interfaces and data processing. A successful framework is a breakthrough because it means that developers no longer have to start from scratch. If a framework can successfully generate one user interface, it can generate any user interface.
from   http://www.c-sharpcorner.com/Code/2002/JuneAppFrameworkInCS. asp

Quote:Application frameworks, which provide a base of common services on which applications are built,
 offer the benefits of extensibility, modularity, and reusability of both code and design to your applications.
from:
http://http://www.apress.com/book/bookDisplay.html?bID=279

Quote:The application framework represents the semifinished application that architects have developed as a basis for developers to use to construct their business applications.
from: http://www.developer.com/design/article.php/3505651

Subject: Re: Ultimate++: is it a platform or framework?
Posted by fudadmin on Wed, 08 Mar 2006 23:19:04 GMT

fudadmin wrote on Wed, 08 March 2006 18:48luzr wrote on Wed, 08 March 2006 18:25fudadmin wrote on Wed, 08 March 2006 13:19.NET is framework. But "Visual Studio" is a development suite.

I see logical that
"TheIDE" + "upp libraries="Ultimate++ framework"
where
"TheIDE" ="development suite"

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Yes, but if Qt is framework?

Mirek

This is where, I think, I caught them.   ?

They should call it "Qt is a GUI toolkit" (like FOX-toolkit) + 3 tools: Qt Designer, Qt Linguist, Qt
Assistant.

Comments?

And jx agree on that!
Quote:JX is an application framework, while Qt is only a widget set. (This is why KDE had to write
their own large library on top of Qt.)

The JX messaging system is pure C++, as opposed to Qt's signals-and-slots system which
requires a separate pre-compiler and has several limitations.

from:http://www.newplanetsoftware.com/jx/compare.php

Also, they say:
Quote:
JX is a full-featured C++ application framework and GUI class library for the X Window System.

That means, "C++ application framework" + "GUI class libraries" = "JX".
and "JX"="C++ application framework".

I can't catch the logic what is framework...

Subject: Re: Ultimate++: is it a platform or framework?
Posted by fudadmin on Thu, 09 Mar 2006 00:33:10 GMT
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Should Ultimate++ be listed here:

http://en.wikipedia.org/wiki/Framework?

or here:
http://en.wikipedia.org/wiki/Application_framework

or here:
http://en.wikipedia.org/wiki/Software_framework

Subject: Re: Ultimate++: is it a platform or framework?
Posted by fudadmin on Thu, 09 Mar 2006 01:32:03 GMT
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this is how Mozilla understand framework:
http://www.mozilla.org/why/framework.html

Mozilla=Framework+Tools+Community+etc.

But "Framework"= "XUL (UI toolkit)"+ "Other libraries"

Subject: Re: Ultimate++: is it a platform or framework?
Posted by riri on Thu, 09 Mar 2006 10:23:38 GMT
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What a metaphysic question

Ihmo,
Ultimate++ is itself is a C++ Framework, a cross-platform C++ Framework. It's the generic
definition.
Now, it's real that Ultimate++ provides cross-platform GUI Toolkit, but only as part of it (the Core
pakcage has nothing to do with UI).
theIde is a tool, an application developped with upp, and can be considered as a development
suite. As far as I know, theIde isn't part of the upp framework, but is part of the Upp project .

So for me, the good denomination for Ultimate++ as a toolkit is a cross-platform C++ application
framework with integrated cross-platform GUI.

TheIde is the Ultimate++ framework development tool.

The Ultimate++ project provides the Ultimate++ framework and theIde development suite.

My 2 cents
Riri

Subject: Re: Ultimate++: is it a platform or framework?
Posted by mirek on Thu, 09 Mar 2006 13:57:38 GMT

riri wrote on Thu, 09 March 2006 05:23What a metaphysic question

theIde is a tool, an application developped with upp, and can be considered as a development suite. As far as I know, theIde isn't part of the upp framework, but is part of the Upp project .

Note also that TheIDE is just another uppsrc package, and even can be used as library...

Mirek