

Re: migrating VC6 to VC8

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- *From:* "Carl Daniel [VC++ MVP]" <cpdaniel_remove_this_and_nospam@xxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 27 Oct 2005 07:06:58 -0700
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Tony Johansson wrote:

- > Hello!!
- >
- > You may correct me if I say something that is not right.
- >
- > If I want to use the .NET framework for an VC6/MFC application I must
- > compile the VC6/MFC to VC8 using the /CLI switch after removing all
- > the errors?

If you want to use .NET 2.0, yes. You can do it with VC 7.1 (2003) for .NET 1.1, but you won't have the new managed C++ syntax.

- > The old MFC will work in the new VS2005(VC8)
- > My MFC project consist of several files that constitute the MFC
- > application.

You may have to make a change here and there, by overall, yes.

- > Now assume that I want to change something in the old updated MFC what
- > conditions exist then.
- > Can I use .NET framework only in new classes or is possible to use it
- > even in old classes from the updated MFC application?

When you compile your existings code with /clr, you can use .NET framework classes from anywhere, including adding new code to old classes.

- > I wrote in an earlier mail the following:
- > If I intend to use C++ in VS2005 I can either use managed code which
- > is C++/CLI which give me the possibility to mix other language such
- > as C# or VB or use unmanaged code for example using MFC then I can
- > not mix other language.
- >
- > I received the answer below
- > There are two separate, somewhat independent issues:
- > 1. Which platform you're targeting: native or managed
- > 2. Which language (syntax) you're using: C++/CLI, ISO C++ or ISO
- > C89. C++/CLI – managed only
- > ISO C++ – native or managed (or mixture)

Re: migrating VC6 to VC8

- > ISO C – native only
- >
- > Supported languages can be mixed on either platform, so for
- > example, you can use both ISO C++ and C++/CLI to write managed code
- > (but only the C++/CLI classes will be usable from other .NET
- > languages). In fact, there's nothing to stop you from having
- > C++/CLI, ISO C++ compiled as managed, ISO C++ compiled as native and
- > ISO C89 compiled as native all in the same executable.
- >
- >
- > Some more question on the answer. You wrote which platform you're
- > targeting: native or managed?
- > I assume a managed app mean that it is more or less platform
- > independent similar to Java
- > and that you can mix different .NET languages. Is that right
- > conclusion?

Yes.

- > Even if you have a managed app you can't use it as you can use Java
- > because Java runs on most platforms for example Unix..
- > If I use managed app which platform can the updated app be executed
- > on? Can I run it on Unix(Linux)?

Maybe. The platform is the CLI. Microsoft .NET is one implementation of the CLI, but there are others. The Mono project is an open-source CLI for Unix, but it doesn't support everything that .NET supports yet. In practice your WinForms+MFC app is still tied to Windows, just as it was as an MFC app.

- > Is it a condition to be able to mix several different .NET languages
- > for an application that it's a managed app?

No.

- > A native app can't mix different .NET languages?

Yes it can, but not as easily.

- > If I instead used native what do I miss then?

Windows Forms and the .NET framework classes.

- > Is it correct an updated app VC6/MFC to VC8 that will use the .NET
- > framework must be a managed app.?

That's two ways of saying the same thing. .NET Framework app == managed app.

- > If I update a VC6/MFC to VC8 just to be able to use .NET framework
- > What condition exist in the new updated application. I mean when

Re: migrating VC6 to VC8

Re: migrating VC6 to VC8

- > changing existing code in one way or another and adding new code. Can
- > I use the standard C++(ISO C++) instead of C++/CLI?. So the question
- > is when can I use standard C++(ISO C++) and when do I have to use
- > C++/CLI in the updated VC6/MFC to VC8 to be abler to use .NET
- > framework.

You never have to use C++/CLI. When interacting with the .NET framework, you can use C++/CLI or the older Managed Extensions for C++. Use of ISO C++ and C++/CLI are not mutually exclusive – C++/CLI is an extension of ISO C++, so you can write 99% ISO C++ and mix in a little bit of C++/CLI here and there where you need to interact with .NET framework class.

–cd

- **References:**

- ◆ **migrating VC6 to VC8**

- ◆ *From:* Tony Johansson

- Prev by Date: **Re: Graphic transforms**
- Next by Date: **Re: How to implement 'atoi' when radix=16 and number string is negati**
- Previous by thread: **migrating VC6 to VC8**
- Next by thread: **Re: How to implement 'atoi' when radix=16 and number string is negati**
- Index(es):
 - ◆ **Date**
 - ◆ **Thread**