

U++ - Feature #156

Add clr support

11/06/2011 08:39 AM - Miroslav Fidler

Status:	Approved	Start date:	11/06/2011
Priority:	High	Due date:	
Assignee:	Miroslav Fidler	% Done:	100%
Category:	IDE	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
Using 'CLR' flag (which would in turn activate 'USEMALLOC').			
The only problem seems to be exception handling, but MS says /clr can handle C++ exception			
http://msdn.microsoft.com/en-us/library/633chdda%28v=vs.80%29.aspx			
so in the end, it is mostly about testing..			
Optional: Add syntax highlighting for Managed C++.			

History

#1 - 11/06/2011 08:39 AM - Miroslav Fidler

- Priority changed from Normal to High

#2 - 11/06/2011 10:05 AM - Sender Ghost

The only problem seems to be exception handling, but MS says /clr can handle C++ exception

Yes, it is possible to use [-EHa](#) (enable C++ EH (w/ SEH exceptions)) compiler option.

The question:

Where to add -clr compiler option?

After adding it for C++ extension files, not all U++ packages compiles.

Also, -clr has sub-options, such as **pure**, **safe**, **oldSyntax**, **initialAppDomain**, **noAssembly**. Therefore, I think, this is package related only, configured by developer.

#3 - 11/06/2011 10:54 AM - Sender Ghost

- File *uppsrc_part1.diff* added

- Category set to IDE

- Status changed from New to In Progress

- % Done changed from 0 to 50

Ok, here is first part of the patch for using **CLR** build option.

Tested for console and GUI U++ applications combined with managed C++ source code (invoking **MessageBox::Show** from

System.Windows.Forms.dll along with **PromptOK**, for the GUI).

#4 - 11/06/2011 12:19 PM - Sender Ghost

- File *uppsrc_part2.diff* added

- Status changed from In Progress to Patch ready

- Assignee set to Miroslav Fidler
- % Done changed from 50 to 100

Here is second part of the patch related for [syntax highlighting](#).
Not sure about [for each](#) statement.

#5 - 11/06/2011 01:45 PM - Miroslav Fidler

- Status changed from Patch ready to Ready for QA
- Assignee changed from Miroslav Fidler to Sender Ghost

Applied, but I moved USEMALLOC thing from builder to Core - please check.

#6 - 11/06/2011 02:53 PM - Sender Ghost

- Status changed from Ready for QA to Approved
- Assignee changed from Sender Ghost to Miroslav Fidler

It works. Thanks.

Other thing is default **SSE2** build flag for new packages, which incompatible for **-clr** compiler option:
cl : Command line error D8016 : '/arch:SSE2' and '/clr' command-line options are incompatible

Fortunately, it can be disabled.

#7 - 11/06/2011 03:08 PM - Sender Ghost

- File uppsrc_part3.diff added
- Status changed from Approved to Patch ready

Or fix it like this.

#8 - 11/06/2011 03:17 PM - Sender Ghost

But maybe this is fixed for newer MSC versions like [Visual Studio 2010](#).
It was related for MSC9.

#9 - 11/06/2011 03:50 PM - Miroslav Fidler

- Status changed from Patch ready to Approved

Files

uppsrc_part1.diff	1.18 KB	11/06/2011	Sender Ghost
uppsrc_part2.diff	959 Bytes	11/06/2011	Sender Ghost
uppsrc_part3.diff	856 Bytes	11/06/2011	Sender Ghost