Subject: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by kohait00 on Tue, 18 Jan 2011 16:57:50 GMT
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hi all

the Logging facility in upp is quite cool, and even has the ability to be redirected to any Stream. so why waste it only for debugging?

many applications have kind of logging in the background, and making it appear to review is handy, for expert users i.e. or for apps where logging is actually a vivid component, i.e. surveillance stuff..

so here comes a DocEdit Ctrl that can be placed somewhere in your app, and when it starts operation it redirects everything that RLOG/LOG and the others do. so no need to memorize anything new.
when it stops operation, it restores previous Stream. so it's kind of an interceptor.

for more grained things, there is LogLev(), definition of logging levels, and things like WARN("bla" << "other") and INFO("info stuff: " << myint) respect it.

it's quite simple but i think yet powerfull.

if any interest, i can put it in bazaar. any suggestions meanwhile are welcome

File Attachments

1) LogCtrl.rar, downloaded 416 times

Subject: Re: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by sergeynikitin on Mon, 24 Jan 2011 08:38:55 GMT
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See RLOG and RDUMP. It not only for debugging.

Subject: Re: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by kohait00 on Mon, 24 Jan 2011 09:13:19 GMT
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yes i know

but to have a log file is sometimes wasted lpower, some apps really can benefit from a live logging

window inside.

Subject: Re: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by koldo on Tue, 25 Jan 2011 08:40:02 GMT
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Sorry Konstantin

Compiling the package in Windows in LogCtrl.h file, line:

DocEdit::Style st;

compiler says:

'Style' : is not a member of 'Upp::DocEdit'

Subject: Re: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by kohait00 on Tue, 25 Jan 2011 09:08:16 GMT
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sorry, forgot about that, got some changes in the svn tree which are not due in upstream. mirek needs to give an ok on that.

just comment the things concerning style, DocEdit::Style and in the ctor the 3 lines and it should do..

EDIT: it's far from beeing state of finish, but as a starter, ready to implement some more ideas..

i.e implement some filters, respect EOF etc

Subject: Re: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by kohait00 on Mon, 07 Feb 2011 09:03:19 GMT
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what about redirecting printf's as well? meaning stdout and stderr?

i've looked at how it's done, it's not hard in terms of code, but not easy in terms of handling. redirecting is done to a pipe, but the pipe can be full, because not fast enough reading from it and posting to, let's say to the console window, so the printf blocks.

this also would make it impossible to be properly 'inlined' in chronological manner with RLOGs.., since it's buffered with both pipe and the Stream writing to Std Log Stream..

any ideas / comments anyway?

Subject: Re: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by kohait00 on Wed, 23 Mar 2011 10:23:12 GMT
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i spent some thought on it, and, stdin/stdout/stderr are means of piping things through applicatoins.

properly designed stuff shouldnt be needing this to appear in a log window, since it might be stuff meant for another program..

so redirecting LOG is just enough.

any one want to see it in bazaar?

Subject: Re: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by chickenk on Thu, 31 Mar 2011 08:22:40 GMT
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kohait00 wrote on Wed, 23 March 2011 11:23any one want to see it in bazaar?

Well, since PyCon is in bazaar now and needs LogCtrl to compile, I think that would be a good idea to include it indeed.

Lionel

Subject: Re: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by kohait00 on Thu, 31 Mar 2011 08:24:02 GMT
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soorry, damn forgot it
EDIT: just uploaded to svn..
but since it's not up in mirror yet...

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1) LogCtrl.rar, downloaded 447 times

Subject: Re: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by chickenk on Thu, 31 Mar 2011 08:51:56 GMT
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thanks, another note: it seems the control is called LoggerCtrl in PyConsoleCtrl.h. Renaming it to LogCtrl seems to do the trick. I'm gonna make a try with your new archive

Lionel

Subject: Re: LogCtrl, a LOG/RLOG redirector to a DocEdit
Posted by kohait00 on Thu, 31 Mar 2011 09:18:05 GMT
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LoggerCtrl has been split away from LogCtrl, beeing now a multipurpose DocEdit with a Stream interface. this is in the new sources..

take the new copy..