Subject: 2022.3rc1
Posted by mirek on Sun, 18 Dec 2022 18:56:42 GMT
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Here we go:

https://sourceforge.net/projects/upp/files/upp/2022.3rc1/

Release highlights

Homegrown C++ parser in theide is replaced with libclang resulting in new and improved Assist++ features
Optimised memory consumption of U++ widgets.

MacOS version is not released with 2022.3. We hope to provide it again with the 2023.1.

TheIDE:

Autocomplete now correctly works in most cases (except in template bodies, which is libclang limitation)
Code navigator refactored and improved

TheIDE now shows C++ errors while editing sources

TheIDE now shows information tips about program symbols when you leave mouse over it (documentation if available, declaration signature if not)

New function "Usage" shows all usages of current symbol through all project sources based on C++ analysis. With virtual methods, it shows all overrides of base class method.

CtrlCore, CtrlLib:

Memory consumption (esp. sizeof) of widgets greatly reduced (by up to 70%).
LabelBox now allows center and right alignment.

Subject: Re: 2022.3rc1
Posted by coolman on Mon, 19 Dec 2022 06:47:52 GMT
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Hi Mirek,

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- Also, double clicking on a word to highlight the word does not work properly. I have to try double

clicking multiple times with different speeds to get this feature to work at all.

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Ubuntu clang version 13.0.1-++20220120110924+75e33f71c2da-1~exp1~20220120231001.5 8

Subject: Re: 2022.3rc1
Posted by mirek on Mon, 19 Dec 2022 08:34:38 GMT
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coolman wrote on Mon, 19 December 2022 07:47Hi Mirek,

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Is this specific for the latest version? (If not, why are your reporting this now ?

Does switching off Assist help?

What is your CPU?

Mirek

Subject: Re: 2022.3rc1
Posted by pvictor on Mon, 19 Dec 2022 08:54:03 GMT
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Hi,

In the latest version, the Console window remains blank during compilation. Scrollbar moves, Ctrl+A and Ctrl+C allow to extract the text, but the window is empty.

Best regards,
Victor

Subject: Re: 2022.3rc1
Posted by mirek on Mon, 19 Dec 2022 09:03:11 GMT
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pvictor wrote on Mon, 19 December 2022 09:54Hi,

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Care to mention the OS?

Subject: Re: 2022.3rc1
Posted by pvictor on Mon, 19 Dec 2022 09:08:02 GMT
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mirek wrote on Mon, 19 December 2022 14:03pvictor wrote on Mon, 19 December 2022 09:54Hi,

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Care to mention the OS?
Linux Mint 20.3
base: Ubuntu 20.04

Subject: Re: 2022.3rc1
Posted by Tom1 on Mon, 19 Dec 2022 09:22:46 GMT
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Hi Mirek,

I'm now testing and noticed that the compiler messages on console are invisible. Tested with both light and dark theme. I can copy the invisible contents to clipboard though and view them on text editor, so this must be a coloring issue.

Best regards,

Tom

EDIT: I see, I'm not the only one. I'm on Windows 11.

Subject: Re: 2022.3rc1
Posted by coolman on Mon, 19 Dec 2022 09:32:35 GMT
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mirek wrote on Mon, 19 December 2022 09:34coolman wrote on Mon, 19 December 2022 07:47Hi Mirek,

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I started regularly using the latest version of the IDE after the Alt+J fix.

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Does switching off Assist help?

Yes it can help.

Quote:
What is your CPU?

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vendor_id : GenuineIntel
cpu family : 6
model : 165

model name : Intel(R) Core(TM) i7-10850H CPU @ 2.70GHz
stepping : 2
microcode : 0xf0
cpu MHz : 2700.000
cache size : 12288 KB
physical id : 0
siblings : 12
...

BR, Radek

Subject: Re: 2022.3rc1
Posted by mirek on Mon, 19 Dec 2022 10:42:22 GMT
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pvictor wrote on Mon, 19 December 2022 09:54Hi,

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Thank you. Fixed pushed. Will release rc2 in the afternoon.

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Posted by mirek on Mon, 19 Dec 2022 10:47:20 GMT
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Posted by coolman on Mon, 19 Dec 2022 16:31:55 GMT
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pstree -tpch 121637

Edited:
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Posted by mirek on Mon, 19 Dec 2022 17:22:16 GMT
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(Those threads are fine - those are CoWork worker threads, there should be 14 of them. Most of time they are just waiting).

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Subject: Re: 2022.3rc1
Posted by coolman on Mon, 19 Dec 2022 18:25:22 GMT
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Subject: Re: 2022.3rc1
Posted by mirek on Tue, 20 Dec 2022 10:10:54 GMT
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How much RAM do you have?

(For reference, I am testing with 2400G (4C/8T) with 8GB RAM, Ubuntu 20.04. Assist feels slower than my Win machine (5950x), but no symptoms as you describe. So I am puzzled).

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Posted by coolman on Tue, 20 Dec 2022 17:09:58 GMT
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How much RAM do you have?

I have got 32GB RAM.

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I don't know how long you've been writing the code under Linux testing, but mentioned problems show up after some time of editing the code. And I always have more than three files open. And I have two IDE opened. One with the IDE code and the second is openned from the first one with a different project.

Subject: Re: 2022.3rc1
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This is probably Assist indexer overloading your HW. Please try to reduce the number of indexer threads (Setup/Settings/Assist/Number of indexer threads).

Also report what default number do you have there. IMO it should be 10, if there is more, maybe you have tested some time ago and it was left with much higher number.

(Default settings are in ClangConfigSetDefaults, currently I set indexer threads at CPU threads - 2). Maybe this need finetuning.

10 indexing threads were set up.
I tried reduce the number of indexer threads but after a while, the behaviour described above returned again. I monitored the running of the IDE using htop and noticed that occasionally a thread consumed more percent of the processor it was assigned to when I was typing. When I tried to double-click, the main IDE thread was consuming up to 18 percent of CPU and still the word was not highlighted.

What confuses me is that I can see a lot of threads assigned to the main process. And the number of threads is equal to 2x the number of CPU cores. The current output from pstree is when 4 of indexing threads was set. But it doesn't matter how many indexing threads is set up, the output is still the same.
pstree -tpch 121637

Edited:
While editing I noticed that a single thread can use up to 60% of the dedicated CPU while the main thread uses up to 80% of the allocated CPU.

What if you switch assist off completely? (Just to find out where to look next, is that Assist related or not...) (Do not forget to restart theide)

(Those threads are fine - those are CoWork worker threads, there should be 14 of them. Most of time they are just waiting).

Mirek

When asssist is turned off, the problems do not appear. And the main thread consumes around 20% of CPU.

Radek

What about leaving Assist on and disabling "Indexer gets invoked automatically" (and restarting).

If the option "Indexer gets invoked automatically" is turned off, the mentioned errors appear less often, but they are still there.

Quote:
Also, is it a problem even with 1 indexer thread?

The mentioned errors appear less often, but they are still there too.

Quote:
How much RAM do you have?

I have got 32GB RAM.

Quote:
(For reference, I am testing with 2400G (4C/8T) with 8GB RAM, Ubuntu 20.04. Assist feels slower than my Win machine (5950x), but no symptoms as you describe. So I am puzzled).

I don't know how long you've been writing the code under Linux testing, but mentioned problems show up after some time of editing the code. And I always have more than three files open. And I have two IDE opened. One with the IDE code and the second is openned from the first one with a different project.
It works correctly with the latest changes.. Thank you

Subject: Re: 2022.3rc1
Posted by BioBytes on Thu, 22 Dec 2022 13:22:03 GMT
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Hi,

The Console window still remains blank during compilation when choosing Dark IDE.

Good day

Regards
Biobytes

Subject: Re: 2022.3rc1
Posted by mirek on Thu, 22 Dec 2022 14:31:35 GMT
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BioBytes wrote on Thu, 22 December 2022 14:22Hi,

The Console window still remains blank during compilation when choosing Dark IDE.

Good day

Regards
Biobytes

Details please. For the record, I have just tested in Win32.

Subject: Re: 2022.3rc1
Posted by Tom1 on Thu, 22 Dec 2022 16:05:58 GMT
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Hi,

Just checked, and Windows is working fine with Dark theme. However, selecting IDE settings GUI theme = Dark, results in very dark console text on pretty black paper in Linux. (At least on my Linux Mint 21.1.) When GUI theme = Host platform in Linux, and the host platform theme is dark, the console looks good.

Best regards,

Tom

EDIT: BTW, in Windows 11 the Dark theme (host platform) drop down menu item texts now appear with black text and gray selection bar, which is hard to read. The white text and gray selection bar in the previous release was better. However, the light theme is now better than in the previous release (2022.2) on Windows 11, since the contrast of menu text and selection bar is better.

Subject: Re: 2022.3rc1
Posted by BioBytes on Tue, 27 Dec 2022 08:49:56 GMT
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Hi,

Quote:

The Console window still remains blank during compilation when choosing Dark IDE.

Solved with 16651
Many thanks
Biobytes