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Subject: LibClang/Assist++ crashes with Clang 20  
Posted by [Didier](#) on Tue, 24 Jun 2025 21:03:08 GMT

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Hello,

I update my computer to fedora 42 some time ago and I have Clang 20.  
Since then assist++ crashes every time after a few seconds (I think it depends on which files I am working on).  
So this is quite annoying :(

This is what I get in the log:

\* /home/xxxx/upp/theide 24.06.2025 22:42:01, user: xxxx

```
22:42:01:795 INFO LoadLibClang0(): libclang path: "/usr/lib64/libclang.so.20.1.6"
22:42:01:799 INFO GuiMainFn_(): Revision: e1e14c30 Build: 17914 master
64 bit CLANG C++17 SIMD Compiled: 06/06/2025 18:11:37 /home/xxxx/upp/theide
***** PANIC: Illegal instruction!
```

I tried with different Assist++ standard : and the one that works best (or at least that doesn't crash instantly ;) ) is C++23

Here is my Assist configuration:

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#### File Attachments

1) [Config\\_Accist.png](#), downloaded 234 times

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Subject: Re: LibClang/Assist++ crashes with Clang 20  
Posted by [mirek](#) on Thu, 26 Jun 2025 07:39:05 GMT

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Didier wrote on Tue, 24 June 2025 23:03Hello,

I update my computer to fedora 42 some time ago and I have Clang 20.  
Since then assist++ crashes every time after a few seconds (I think it depends on which files I am working on).  
So this is quite annoying :(

This is what I get in the log:

\* /home/xxxx/upp/theide 24.06.2025 22:42:01, user: xxxx

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64 bit CLANG C++17 SIMD Compiled: 06/06/2025 18:11:37 /home/xxxx/upp/theide
```

\*\*\*\*\* PANIC: Illegal instruction!

I tried with different Assist++ standard : and the one that works best (or at least that doesn't crash instantly ;)) is C++23

Here is my Assist configuration:

Is it with git master head (nightly) or "release"?

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Subject: Re: LibClang/Assist++ crashes with Clang 20  
Posted by [Didier](#) on Thu, 26 Jun 2025 11:42:21 GMT

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It's with the master :

GIT commit : ff0949a4a5934d5a8bc5a92d275c1e073c3317b9  
Author: Mirek Fidler <[mirek.fidler@gmail.com](mailto:mirek.fidler@gmail.com)> 2025-05-27 12:33:04  
Committer: Mirek Fidler <[mirek.fidler@gmail.com](mailto:mirek.fidler@gmail.com)> 2025-05-27 12:33:04  
Parent: 522ccf5de056b44cec6840a10e571085ec53ba6a (Painter: Ellipse(Rect) fixed)  
Child: e1e14c308eb217d79c19d4cddcc6aaf8931553a2 (Merge branch 'master' of  
<https://github.com/ultimatepp/ultimatepp>)  
Branches: master, remotes/origin/master  
Follows: 2025.1  
Precedes:

CodeEditor: compiler/linker problem workaround

Since it's one month old, I will update to latest version tonight and see if it's better

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Subject: Re: LibClang/Assist++ crashes with Clang 20  
Posted by [Didier](#) on Fri, 27 Jun 2025 22:16:13 GMT

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Hello Mirek,

I just tried with latest master version : same crash :?

GIT : c0c5c293a9e104134854e6442f4c85647f9d9bfe  
Author: Mirek Fidler <[mirek.fidler@gmail.com](mailto:mirek.fidler@gmail.com)> 2025-06-27 09:47:27  
Committer: Mirek Fidler <[mirek.fidler@gmail.com](mailto:mirek.fidler@gmail.com)> 2025-06-27 09:47:27  
Parent: e471f7d0eba667d3cd5a9728a723e024b4740148 (RichEdit: DiagramEditor selection)

Child: e98b68c34038b037c753afe8d794e45e171370b4 (Merge branch 'master' of <https://github.com/ultimatepp/ultimatepp>)  
Branches: master, remotes/origin/master  
Follows: 2025.1  
Precedes:

RichEdit: Diagram

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Subject: Re: LibClang/Assist++ crashes with Clang 20  
Posted by [mirek](#) on Sat, 28 Jun 2025 06:56:04 GMT

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Didier wrote on Sat, 28 June 2025 00:16Hello Mirek,

I just tried with latest master version : same crash :?

GIT : c0c5c293a9e104134854e6442f4c85647f9d9bfe  
uthor: Mirek Fidler <mirek.fidler@gmail.com> 2025-06-27 09:47:27  
Committer: Mirek Fidler <mirek.fidler@gmail.com> 2025-06-27 09:47:27  
Parent: e471f7d0eba667d3cd5a9728a723e024b4740148 (RichEdit: DiagramEditor selection)  
Child: e98b68c34038b037c753afe8d794e45e171370b4 (Merge branch 'master' of <https://github.com/ultimatepp/ultimatepp>)  
Branches: master, remotes/origin/master  
Follows: 2025.1  
Precedes:

RichEdit: Diagram

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- there should be "switch off assist after crash" dialog when you start theide next time. Does that work? (just curious here)
- any chance you can run it, compiled for debug, in gdb and send the backtrace after crash ("bt")

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Subject: Re: LibClang/Assist++ crashes with Clang 20  
Posted by [Didier](#) on Sun, 29 Jun 2025 09:29:30 GMT

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Hello Mirek,

Quote:there should be "switch off assist after crash" dialog when you start theide next time  
Yes this works fine

Quote:any chance you can run it, compiled for debug, in gdb and send the backtrace after crash ("bt")

Yes, I also included all the Backtrace detailed info (bt full) in the joined file so everything should be there

Note : the stacktrace was done by loading project 'ide' and launching "full source scan"

### File Attachments

1) [stacktraceAssistClang\\_ide\\_3.txt](#), downloaded 74 times

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Subject: Re: LibClang/Assist++ crashes with Clang 20

Posted by [mirek](#) on Wed, 02 Jul 2025 13:04:28 GMT

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Hopefully fixed

<https://github.com/ultimatepp/ultimatepp/commit/859a6e2515d3948950756319c7ecb21b954cc4bf>

please check!

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Subject: Re: LibClang/Assist++ crashes with Clang 20

Posted by [Didier](#) on Wed, 02 Jul 2025 18:48:19 GMT

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Just checked: seems to work fine :d

"Reindex all source files" completed without errors.

Thank you :)

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