Subject: Re: theide with libclang
Posted by Klugier on Mon, 03 Oct 2022 21:20:42 GMT
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Hello,

I just installed Ubuntu 22.04.01 (LTS) and I managed to reproduce the problem. After opening
project, the crash happen after 4-5 seconds of running indexer. Thanks to --noclang option I
managed to build TheIDE under debug mode. Here is the screenshot from the crash and
callstack:

It seems that it crashes when calling clang_getCursorPrettyPrinted in ClangCursorInfo::RawId()
method:

```
force_inline
String ClangCursorInfo::RawId()
{
 if(!hasraw_id) {
  raw_id = FetchString(clang_getCursorPrettyPrinted(cursor, pp_id)); // Last call in TheIDE code
base before crash...
  hasraw_id = true;
 }
 return raw_id;
}
```

I have 14.0.0-1ubuntu1, on Manajaro I have 14.0.6 and there is no crash.

Once change the line to:

raw_id = FetchString(clang_getCursorPrettyPrinted(cursor, nullptr));

Fixed the problem, however I am not sure what is this code doing, so there is a chance that it will
break something...

Klugier

File Attachments
1) Screenshot from 2022-10-03 23-15-25.png, downloaded 765
times

```cpp
31      String      RawId();
32      String      Scope();
33      String      Nspace()                        { Scope(); return nspace; }
34      String      Type();
35      String      Name();
36      String      Id();
37      String      Bases();
38
39      ClangCursorInfo(CXCursor cursor, CXPrintingPolicy pp_id);
40   };
41
42   ClangCursorInfo::ClangCursorInfo(CXCursor cursor, CXPrintingPolicy pp_id)
43   :     cursor(cursor), pp_id(pp_id) {
44      cursorKind = clang_getCursorKind(cursor);
45      parent = clang_getCursorSemanticParent(cursor);
46      parentKind = clang_getCursorKind(parent);
47   }
48
49   force_inline
50   String ClangCursorInfo::RawId()
51   {
52      if(!hasraw_id) {
53          raw_id = FetchString(clang_getCursorPrettyPrinted(cursor, pp_id));
54          hasraw_id = true;
55      }
56      return raw_id;
57   }
58
59   force_inline
60   String ClangCursorInfo::Type()
61   {
62      if(!hastype) {
63          type = GetTypeSpelling(cursor);
64          hastype = true;
65      }
66      return type;
67   }
68
69   force_inline
70   String ClangCursorInfo::Name()
71   {
72      if(!hasname) {
73          name = GetCursorSpelling(cursor);
74          hasname = true;
75      }
76      return name;
77   }
```

| Autos | Locals | Watches | this | CPU | Memory | | Thread 27 (ide) | ▾ | ClangCurs |

| cursor | {kind = CXCursor_CXXMethod, xdata = 0} |
| hasraw_id | false |