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Subject: Infinite loop in Parser

Posted by [Didier](#) on Wed, 26 Apr 2017 21:32:54 GMT

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Hello Mirek,

I have a very annoying problem with the source indexing parser : it goes into an infinite loop at: uppsrc/CppBase/Parser.cpp

The bug has been around for some time now and it fails to parse the Boost header files (boost 1.63.0 to be precise)

It stays stuck at lines 105->114

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### File Attachments

1) [ParserInifiteLoop.png](#), downloaded 517 times

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1: s

0x7fffc3d671dd "(typename impl::expr\_param e , typename impl::state\_param , typename impl::data\_param )

### Locals

w = 0x7fffc3d671dd "(typename impl::expr\_param e , typename impl::state\_param , typename impl::data\_param )  
c = 40 '('  
res = {...}  
wasid = true

### Args

s = 0x7fffc3d671dd "(typename impl::expr\_param e , typename impl::state\_param , typename impl::data\_param )  
pname = 0x7fffffb7c0 "e"  
qname = 0x7fffc2acde68 ""  
name = <?pointer\_value>  
oper = false

```
103     }
104     bool wasid = false;
105     while(*s) {
106         const char *w = bew(qname, s);
107         byte c = *s;
108         if(w && !iscid(*w)) {
109             if(iscid(*res.Last()))
110                 res.Cat(' ');
111             res.Cat(name);
112             s = w;
113             wasid = true;
114         }
115         else
116             if(iscid(c)) {
117                 const char *b = s++;
118                 while(iscid(*s)) s++;
119                 String q(b, s);
120                 if(q != s_virtual && q != s_inline && q != s_static && !InScList(q, pname)) {
121                     if(iscid(*res.Last()))
122                         res.Cat(' ');
123                     res.Cat(q);
124                 }
125                 else
126                     while((byte)*s <= ' ' && *s) s++;
127                 wasid = true;
128             }
129     }
```

(adh) next