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Subject: ThrowValueTypeError small bug, and suggestion for removing it  
Posted by [hans](#) on Sun, 13 Apr 2014 11:47:21 GMT

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Hi again, here is small bug (imho)

```
void ThrowValueTypeError(const String& text, const Value& src, int target)
{
    ValueTypeError err;
    (String&)err = text;
    err.src = text;          // <-- bug, should be err.src= src;
    err.target = target;
    throw err;
}
```

I would suggest removing this function, instead code following:

```
class ValueTypeError : public Exc {
public:
    ValueTypeError(const String& text, const Value& src, int target) : Exc(text), src(src), target(target)
    {}
    Value src;
    int target;
};
```

to throw then code

```
throw ValueTypeError(String().Cat() << "Invalid value conversion: "
    << GetName() << " -> " << typeid(T).name(),
    *this, t);
```

Also no need to return something after the throw to silence the compiler

THX, Hans

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Subject: Re: ThrowValueTypeError small bug, and suggestion for removing it  
Posted by [mirek](#) on Sun, 13 Apr 2014 17:47:19 GMT

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hans wrote on Sun, 13 April 2014 11:47Hi again, here is small bug (imho)

```
void ThrowValueTypeError(const String& text, const Value& src, int target)
{
```

```
ValueTypeError err;
(String&)err = text;
err.src = text;           // <-- bug, should be err.src= src;
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to throw then code

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throw ValueTypeError(String().Cat() << "Invalid value conversion: "
    << GetName() << " -> " << typeid(T).name(),
    *this, t);
```

Also no need to return something after the throw to silence the compiler

THX, Hans

Thank you, you are right, code changed.

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Subject: Re: ThrowValueTypeError small bug, and suggestion for removing it  
Posted by [busiek](#) on Mon, 14 Apr 2014 05:45:10 GMT  
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Commit 7243 breaks compilation under g++. For instance when compiling ide following error shows up:

----- ide/Common ( GUI MT GCC SHARED LINUX POSIX ) (1 / 36)

ComDlg.cpp

Module.cpp

Util.cpp

In file included from /home/kubus/src/upp/uppsrc/Core/Core.h:244:0,  
from /home/kubus/src/upp/uppsrc/Esc/Esc.h:4,  
from /home/kubus/src/upp/uppsrc/ide/Core/Core.h:4,  
from /home/kubus/src/upp/uppsrc/ide/Common/Common.h:4,

```
from /home/kubus/src/upp/uppsrc/ide/Common/ComDlg.cpp:1:
/home/kubus/src/upp/uppsrc/Core/Defs.h:794:27: error: expected class-name before '{' token
class Exc : public String {
      ^
/home/kubus/src/upp/uppsrc/Core/Defs.h:797:12: error: 'String' does not name a type
Exc(const String& desc) : String(desc) {}
      ^
```

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