



```

static T o;
^
/home/h/upp-production/uppsrc/Core/ValueUtil.h:130:54: note: in instantiation of function template specialization 'Upp
::Single<Upp::StdRef<Upp::Ref> >' requested here
Ref(T& x)          { ptr = &x; m = &Single< StdRef<T> >(&); }
^
/home/h/upp-production/uppsrc/Core/ValueUtil.h:153:59: note: in instantiation of function template specialization 'Upp
::Ref::Ref<Upp::Ref>' requested here
inline String& RefString(Ref f) { return GetRef<String>(f); } // Deprecated, use Ref::Get<T>
^
/home/h/upp-production/uppsrc/Core/ValueUtil.h:96:67: error: no viable overloaded '='
virtual void SetValue(void *p, const Value& v) const { *(T *) p = (T)v; }
~ ^ ~ ~ ~ ^ ~ ~ ~
/home/h/upp-production/uppsrc/Core/Other.h:5:12: note: in instantiation of member function 'Upp::StdRef<const Upp::Val
ue>::SetValue' requested here
static T o;
^
/home/h/upp-production/uppsrc/Core/ValueUtil.h:130:54: note: in instantiation of function template specialization 'Upp
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Ref(T& x)          { ptr = &x; m = &Single< StdRef<T> >(&); }
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/home/h/upp-production/uppsrc/Core/ValueUtil.h:96:69: note: in instantiation of function template specialization 'Upp:
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inline String& RefString(Ref f) { return GetRef<String>(f); } // Deprecated, use Ref::Get<T>
^
/home/h/upp-production/uppsrc/Core/Value.cpp:31:15: note: candidate function not viable: 'this' argument has type 'con
st Upp::Value', but method is not marked const
Value& Value::operator=(const Value& v) {
^
In file included from /home/h/.upp.out/watchdog/Core/CLANG.Debug.Debug_Full.Mt.Shared.Sse2/$blitz.cpp:3:
In file included from /home/h/upp-production/uppsrc/Core/Cpu.cpp:1:
In file included from /home/h/upp-production/uppsrc/Core/Core.h:244:
/home/h/upp-production/uppsrc/Core/Defs.h:434:43: error: no viable overloaded '='
template <class T> void SetNull(T& x) { x = Null; }
~ ^ ~ ~ ~
/home/h/upp-production/uppsrc/Core/ValueUtil.h:97:63: note: in instantiation of function template specialization 'Upp:
:SetNull<const Upp::Value>' requested here
virtual void SetNull(void *p) const          { UPP::SetNull(*(T *)p); }
^
/home/h/upp-production/uppsrc/Core/Other.h:5:12: note: in instantiation of member function 'Upp::StdRef<const Upp::Val
ue>::SetNull' requested here

```

```

static T o;
    ^
/home/h/upp-production/uppsrc/Core/ValueUtil.h:130:54: note: in instantiation of function template specialization 'Upp
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    Ref(T& x)          { ptr = &x; m = &Single< StdRef<T> >(); }
                        ^
/home/h/upp-production/uppsrc/Core/ValueUtil.h:96:69: note: in instantiation of function template specialization 'Upp
:Ref::Ref<const Upp::Value>' requested here
    virtual void SetValue(void *p, const Value& v) const { *(T *) p = (T)v; }
                        ^
/home/h/upp-production/uppsrc/Core/Other.h:5:12: note: in instantiation of member function 'Upp::StdRef<Upp::Ref>::Set
Value' requested here
    static T o;
        ^
/home/h/upp-production/uppsrc/Core/ValueUtil.h:130:54: note: in instantiation of function template specialization 'Upp
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/home/h/upp-production/uppsrc/Core/ValueUtil.h:153:59: note: in instantiation of function template specialization 'Upp
::Ref::Ref<Upp::Ref>' requested here
inline String& RefString(Ref f) { return GetRef<String>(f); } // Deprecated, use Ref::Get<T>
                        ^
/home/h/upp-production/uppsrc/Core/Value.cpp:31:15: note: candidate function not viable: 'this' argument has type 'con
st Upp::Value', but method is not marked const
Value& Value::operator=(const Value& v) {
    ^
4 errors generated.

```

With GCC 4.8.2:

```

---- Core ( MT SSE2 GCC DEBUG SHARED DEBUG_FULL BLITZ LINUX POSIX )
BLITZ: Cpu.cpp Mt.cpp sheap.cpp String.cpp WString.cpp StrUtil.cpp Bom.cpp Path.cpp NetNode.cpp App.cpp Stream.cpp Blo
ckStream.cpp FilterStream.cpp Log.cpp Debug.cpp Ini.cpp Util.cpp mathutil.cpp LocalProcess.cpp Vcont.cpp Hash.cpp Call
back.cpp TimeDate.cpp Value.cpp Format.cpp Convert.cpp Color.cpp Gtypes.cpp t.cpp Lang.cpp LangInfo.cpp parser.cpp
XML
.cpp Xmlize.cpp JSON.cpp Uuid.cpp Ptr.cpp z.cpp Topic.cpp CoWork.cpp MD5.cpp SHA1.cpp InetUtil.cpp Socket.cpp
Http.cpp
Dli.cpp Win32Util.cpp
In file included from /home/h/upp-production/uppsrc/Core/Core.h:244:0,
    from /home/h/upp-production/uppsrc/Core/Cpu.cpp:1,
    from /home/h/.upp.out/watchdog/Core/GCC.Debug.Debug_Full.Mt.Shared.Sse2/$blitz.cpp:3:
/home/h/upp-production/uppsrc/Core/Defs.h: In instantiation of 'bool Upp::IsNull(const T&) [with T = Upp::Ref]':
/home/h/upp-production/uppsrc/Core/ValueUtil.h:95:85: required from 'bool Upp::StdRef<T>::IsNull(const void*) const
 [with T = Upp::Ref]'
/home/h/upp-production/uppsrc/Core/Win32Util.cpp:235:1: required from here
/home/h/upp-production/uppsrc/Core/Defs.h:436:70: error: 'const class Upp::Ref' has no member named 'IsNullInstance'
template <class T> bool IsNull(const T& x) { return x.IsNullInstance(); }
                        ^
In file included from /home/h/upp-production/uppsrc/Core/Core.h:292:0,
    from /home/h/upp-production/uppsrc/Core/Cpu.cpp:1,
    from /home/h/.upp.out/watchdog/Core/GCC.Debug.Debug_Full.Mt.Shared.Sse2/$blitz.cpp:3:
/home/h/upp-production/uppsrc/Core/ValueUtil.h: In instantiation of 'Upp::Ref::Ref(T&) [with T = const Upp::Value]':

```

```
/home/h/upp-production/uppsrc/Core/ValueUtil.h:96:67: required from 'void Upp::StdRef<T>::SetValue(void*, const Upp:
:Value&) const [with T = Upp::Ref]'
/home/h/upp-production/uppsrc/Core/Win32Util.cpp:235:1: required from here
/home/h/upp-production/uppsrc/Core/ValueUtil.h:130:43: error: invalid conversion from 'const void*' to 'void*' [-fperm
issive]
Ref(T& x)          { ptr = &x; m = &Single< StdRef<T> >(); }
                  ^
```

## History

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### #1 - 11/03/2013 10:07 PM - Jan Dolinár

- File *ValueUtil.patch* added
- Status changed from *New* to *Patch ready*

This patch (created against 6523, before the revert) solves the problem for me, both in GCC and Clang.

### #2 - 11/11/2013 02:01 PM - Miroslav Fidler

- Status changed from *Patch ready* to *Rejected*

## Files

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ValueUtil.patch	1.9 KB	11/03/2013	Jan Dolinár
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