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Subject: How to mark a class or function as deprecated

Posted by [tojocky](#) on Sun, 10 Jun 2012 19:18:07 GMT

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Hello,

Reading more deeply C++ functionality I want to propose to implement a precompiled directive to mark for deprecated methods, properties, classes.

My code is:

```
#if defined(COMPILER_MSC)
#define UPP_DEPRECATED __declspec(deprecated)
#define UPP_DEPRECATED_T(text) __declspec(deprecated(#text))
#elif defined(COMPILER_GCC)||defined(COMPILER_MINGW)
#define UPP_DEPRECATED __attribute__((deprecated))
#define UPP_DEPRECATED_T(text) __attribute__((deprecated(#text)))
#else
#define UPP_DEPRECATED
#define UPP_DEPRECATED_T(text)
#endif
```

How it works:

for a class:

```
class UPP_DEPRECATED_T("will be removed in 10.0 release") TempClass{...}
or
```

```
class UPP_DEPRECATED TempClass{...}
```

for a class method:

```
class TempClass{
    int dep_method UPP_DEPRECATED_T("will be removed in 10.0 release");
}
or
```

```
class TempClass{
    int dep_method UPP_DEPRECATED;
}
```

for a function:

```
UPP_DEPRECATED_T("will be removed in 10.0 release") void dep_function(){...}
```

or

```
UPP_DEPRECATED void dep_function(){...}
```

I'm proposing this solution because exist a lot of objects deprecated in U++ and we realize about this when it is completely removed.

```
/home/ilupascu/upp/uppsrc/Core/Vcont.h(82): int    GetIndex(const T& item) const; //deprecated
/home/ilupascu/upp/uppsrc/Core/Vcont.h(136)://deprecated
/home/ilupascu/upp/uppsrc/Core/Stream.h(231):/* deprecated
/home/ilupascu/upp/uppsrc/Core/Stream.h(353): DELETESHARE = 0x20, // deprecated
/home/ilupascu/upp/uppsrc/Core/Stream.h(354): NOREADSHARE = 0x40, // deprecated
/home/ilupascu/upp/uppsrc/Core/Win32Util.h(48)://deprecated
/home/ilupascu/upp/uppsrc/Core/Win32Util.h(63)://deprecated
/home/ilupascu/upp/uppsrc/Core/Value.h(170): static void Register(dword w, Void* (*c)(), const
char *name = NULL) init_; // Direct use deprecated
/home/ilupascu/upp/uppsrc/Core/Lang.h(16):#define LNG_CZECH      0xF1CC7A // Deprecated,
corresponds to CS-CZ windows-1250
/home/ilupascu/upp/uppsrc/Core/Value.hpp(307):template <class T> // Deprecated, use Value::Is
/home/ilupascu/upp/uppsrc/Core/Value.hpp(310):template <class T> // deprecated, use Value::Is
/home/ilupascu/upp/uppsrc/Core/Value.hpp(314):struct RawValue : public Value { // Deprecated,
use RawToValue and Value::To
/home/ilupascu/upp/uppsrc/Core/Value.hpp(321):struct RichValue : public Value { // Deprecated,
use RichToValue and Value::To
/home/ilupascu/upp/uppsrc/Core/Value.hpp(328):template <class T> // Deprecated, use Value::To
/home/ilupascu/upp/uppsrc/Core/Value.hpp(331):template <class T> // Deprecated, use Value::To
/home/ilupascu/upp/uppsrc/Core/Value.hpp(335):template <class T> // Deprecated (?)
/home/ilupascu/upp/uppsrc/Core/Value.hpp(344):Ref RawAsRef(T& x) { // Deprecated (?)
/home/ilupascu/upp/uppsrc/Core/Value.hpp(348):template <class T> // Deprecated
/home/ilupascu/upp/uppsrc/Core/Value.hpp(356):template <class T> // Deprecated
/home/ilupascu/upp/uppsrc/Core/Defs.h(178):// deprecated, use INITBLOCK
/home/ilupascu/upp/uppsrc/Core/Defs.h(192):// deprecated, use EXITBLOCK
/home/ilupascu/upp/uppsrc/Core/Mt.h(556):typedef Mutex CriticalSection; // deprecated
/home/ilupascu/upp/uppsrc/Core/Mt.h(557):typedef StaticMutex StaticCriticalSection; //
deprecated
/home/ilupascu/upp/uppsrc/Core/Global.h(29):// DEPRECATED! (USE ONCELOCK_)
/home/ilupascu/upp/uppsrc/Core/Global.h(40):// DEPRECATED! (USE ONCELOCK)
```

Also this can be used for custom packages to take in account the impact to other packages.

Any hints and advices are welcome.

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