
Subject: Cannot use Format for unsigned int
Posted by [deep](#) on Wed, 26 Apr 2017 05:18:13 GMT
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Hi

Using Win10, MSC15
UPP10943

```
#include <Core/Core.h>
```

```
using namespace Upp;
```

```
CONSOLE_APP_MAIN
```

```
{  
    int n;  
    unsigned int un;  
    String s;
```

```
  
    n = 1212;  
    un = 0x05060708 ;
```

```
  
    DUMP(n);  
    DUMP(un);
```

```
  
    s << Format("%08X" , n) << "\n";  
    s << Format("%08X" , un) ;
```

```
  
    DUMP(s);
```

```
}
```

I get compile time error

'Upp::Format': none of the 45 overloads could convert all the argument types
for unsigned int variable un

TestFormat.cpp(18): error C2665: 'Upp::Format': none of the 45 overloads could convert all the argument types

\upp\uppsrc\core\Format.h(111): note: could be 'Upp::String Upp::Format(const char *,const Upp::Vector<Upp::Value> &)'

\upp\uppsrc\core\Format.h(106): note: or 'Upp::String Upp::Format(const char *,const Upp::Value &)'

\upp\uppsrc\core\TimeDate.h(154): note: or 'Upp::String Upp::Format(Upp::Time,bool)'

\upp\MyApps\TestFormat\TestFormat.cpp(18): note: while trying to match the argument list '(const char [5], unsigned int)'

TestFormat: 1 file(s) built in (0:04.82), 4828 msec / file, duration = 4844 msec, parallelization

0%

MinGW error

error: conversion from 'unsigned int' to 'const Upp::Value' is ambiguous

```
s << Format("%08X" , un) ;
```

Subject: Re: Cannot use Format for unsigned int

Posted by [deep](#) on Wed, 26 Apr 2017 05:27:13 GMT

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Hi

Looking at Value.cpp code I see there is no unsigned types.

This may be the cause.

How to add "unsigned int" -- uint32 and uint64

```
void Value::RegisterStd()
{
    ONCELOCK {
        Value::Register<WString>("WString");
        Value::Register<Complex>("Complex");
        Value::Register(VALUEARRAY_V, ValueArrayDataCreate, "ValueArray");
        Value::Register(VALUEMAP_V, ValueMapDataCreate, "ValueMap");
        Value::AddName(STRING_V, "String");
        Value::AddName(INT_V, "int");
        Value::AddName(DOUBLE_V, "double");
        Value::AddName(VOID_V, "void");
        Value::AddName(DATE_V, "Date");
        Value::AddName(TIME_V, "Time");
        Value::AddName(INT64_V, "int64");
        Value::AddName(BOOL_V, "bool");
        Value::AddName(ERROR_V, "error");
    };
}
```

Subject: Re: Cannot use Format for unsigned int

Posted by [mirek](#) on Wed, 26 Apr 2017 06:34:22 GMT

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```
Format("%08X", (int)((dword)INT_MAX + 20))
```

