
Subject: Problems with null doubles and Xmlize in 602b version.

Posted by [pivica](#) on Tue, 07 Feb 2006 15:55:46 GMT

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I've just downloaded 602b. Xmlize class for doubles works OK when numbers are not DOUBLE_NULL. But in application which I am developing user can leave empty EditDouble ctrls and in that case double from that ctrls has DOUBLE_NULL value. When storing with Xmlize such double value has empty string value, but when trying to load it XmlError("expected floating point number") is raised.

For example:

```
class A
{
public:
    void Xmlize(XmlIO xml) { xml ("d", d); }
    double d;
};

//...

EditDouble ctrl;
ctrl.Clear();

A a;
a.d = ctrl; // Now d has DOUBLE_NULL value
StoreAsXMLFile(a, "a", "a.xml");
LoadFromXMLFile(a, "a.xml"); // return false!
```

"a.xml" after StoreAsXMLFile is something like this:

```
<a>
  <d value=""/>
</a>
```

Problem is in Xmlize.cpp in XmlAttrLoad(double& var, const String& text) method, XmlError is raised when text is empty.

```
template<> void XmlAttrLoad(double& var, const String& text)
{
    CParser p(text);
    if(!p.IsDouble())
        throw XmlError("expected floating point number");
    var = p.ReadDouble();
}
```

My temporary workaround is to determine if text is empty:

```

template<> void XmlAttrLoad(double& var, const String& text)
{
    CParser p(text);
    ////
    if (text.IsEmpty())
    {
        var = DOUBLE_NULL;
        return;
    }
    ////
    if(!p.IsDouble())
        throw XmlError("expected floating point number");
    var = p.ReadDouble();
}

```

Same problem maybe exist in XmlAttrLoad(int& var, const String& text) and XmlAttrLoad(dword& var, const String& text). They are also throwing XmlError.
