
Subject: Re: Xmlize values

Posted by [koldo](#) on Fri, 26 Feb 2010 11:27:38 GMT

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luzr wrote on Fri, 26 February 2010 11:57I was thinking about Xmlize Value problem and I think this should be quite a fine solution:

First, Xmlize itself should know all Values that are in the Core (I guess we are there already, right?).

Then, add registering mechanism for unknown Values. Anyway, I think it would be better not to register any values automatically, because that would link all XML code into any application. So

Last but not least, for non-registered Values, use binary serialization and put a hex string there. Important - this should be signalled in the serialization so that even if type is registered later, old XML files can still be loaded.

What do you think?

Mirek

Hello Mirek

This is out of my knowledge. I am not strong in templates but, it would be great if Value Xmlize would use automatically the Xmlize method for every class.

I mean, this is a detail of actual implementation:

```
template<> void Xmlize(XmlIO xml, Value& var) {  
    dword t;
```

```
    if(xml.IsLoading()) {  
        xml.Attr("type", t);  
        switch(t) {  
            case INT_V:  
                int i;  
                xml.Attr("value", i);  
                var = i;  
                break;  
            case DOUBLE_V:  
                double d;  
                xml.Attr("value", d);  
                var = d;  
                break;  
            ... the same for all Value types
```

However it would be great to have something like this (pseudocode):

```
template<> void Xmlize(XmlIO xml, Value& var) {
```

```
dword t;
```

```
if(xml.IsLoading()) {  
    xml.Attr("type", t);  
    xml.Attr("value", var->v as type t); // force var to be as its type  
} else {  
    ...  
}
```
