Subject: XmlIO - New function proposal
Posted by victorb on Tue, 20 Mar 2007 22:22:35 GMT
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My application is using XML to store/retrieve data. Many elements are using the same default value. In this case I don't want to store the attribute value in the XML but I want it restored to a default value (instead of Null) when reading the configuration back. I have added this new function to XmlIO class

```
template <class T> XmlIO Attr(const char *id, T& var, T def) {
 if(IsLoading()) {
  XmlAttrLoad(var, node.Attr(id));
  var = Nvl(var, def);
 } else if (var != def)
  node.SetAttr(id, XmlAttrStore(var));
 return *this;
}
```

Do you think it might be useful to have this in standard Upp ?

Subject: Re: XmlIO - New function proposal
Posted by mirek on Tue, 20 Mar 2007 22:54:46 GMT
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This is a good idea, but it would IMHO require a little bit more complex change; the trouble is that XmlAttrLoad do not always use Null as the default value.

Maybe we should change it so that XmlAttrLoad would not set the value if it is missing? Or add another parameter to XmlAttrLoad?

Mirek

Subject: Re: XmlIO - New function proposal
Posted by victorb on Wed, 21 Mar 2007 07:45:19 GMT
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Oops... you are right about XmlAttrLoad not always returning Null and thanks for pointing me to the right direction "Maybe we should change it so that XmlAttrLoad would not set the value if it is missing?"

The following function should do the trick:

```
template <class T> XmlIO Attr(const char *id, T& var, T def) {
 if(IsLoading())
```

```
    if (IsNull(node.Attr(id)))
   var = def;
    else
   XmlAttrLoad(var, node.Attr(id));
  else if (var != def)
   node.SetAttr(id, XmlAttrStore(var));
 return *this;
}
```

Subject: Re: XmlIO - New function proposal
Posted by mirek on Mon, 26 Mar 2007 19:47:38 GMT
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I like it. Now in Core.

Mirek
