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Subject: Re: Write DTD to XML File

Posted by [Karl\[1\]](#) on Thu, 15 Apr 2010 16:47:22 GMT

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On Apr 15, 5:31 am, Dr Steve <Dr\_St...@aanet.com.au> wrote:

> Hi All,

>

> I'm using the IDL XML objects for reading and writing XML parameter  
> files for my applications. However, I can't see how to write a DTD to  
> my XML file. If I read in an XML file, with a DTD, using the LOAD  
> method for the IDLffXMLDOMDocument class, and then write it back out  
> using the SAVE method of the same class, the DTD is preserved. Also if  
> I delete the DocumentType Node, and then write out the file, the DTD  
> is no longer written. So the DTD is stored within DocumentType node.  
> However, none of the methods to the IDLffXMLDOMDocumentType seem to  
> give me access to the DTD. Anyone dealt with this before?

>

> I actually use the SAX parser for reading my XML, and I believe it  
> would give me access to the DTD (via the startDTD/endDTD methods), but  
> this still doesn't allow me to write the DTD to the XML file.

>

> Thanks,

>

> Stephen

If you are creating a new XML file from scratch and you want it to have a DTD, you could try:

```
doctext = '<?xml version="1.0" encoding="UTF-8"?><mydoc><!DOCTYPE foo  
SYSTEM "bar.dtd"></mydoc>'
```

```
o = obj_new("IDLffXMLDOMDocument", STRING=doctext)
```

```
o->Save, filename="blah"
```

```
o = obj_new("IDLffXMLDOMDocument", filename="blah")
```

```
create the rest of the nodes for the XML content.
```

You should be able to read the DTD data with the DocumentType GetEntities, GetName, and GetNotations methods, right?

It looks like this class can't write DTD data to the object; I don't know why.

If you wanted to add a DTD to an XML document that does not have a DTD, you can still use a approach similar to this. Create a new doc with just the DTD via a string, as above, and then open the original doc in another object. I think that there are methods to let you copy the nodes over.

Karl

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