
Subject: Re: Another XML Question

Posted by [Michael Wallace](#) on Tue, 22 Mar 2005 22:07:23 GMT

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> OK, I'm lost again. :-(

You should have turned left at Albuquerque.

> I cannot figure out how to pull out the information from

> the CAMPAIGN_ID element for example:

>

> name: CAMPAIGN_ID

> value: 00

> units: n/a

>

> Without knowing in my code that the element CAMPAIGN_ID exists.

>

> I guess my question is this: How can I find all the sub-elements

> of CONFIGDATA in a generic way? (I can find ALL the elements in the

> file, but what I want is the first sub-elements of CONFIGDATA, then

> all of *its* sub-elements, etc.) I find the documentation uh, vague. :-(

So, if I understand your question, you want to walk the node tree without prior knowledge of what nodes you may encounter on your journey.

The only way I know to do this is with good ol' recursion. I could explain the recursion, but an example is much better than an explanation in this case. In the vague IDL documentation there's a pretty good example of tree-walking. So, I guess the question is, what about this doesn't do what you want it to?

From the IDL Documentation...

The following code traverses a DOM tree using pre-order traversal.

PRO sample_recurse, oNode, indent

```
; "Visit" the node by printing its name and value
```

```
PRINT, indent GT 0 ? STRJOIN(REPLICATE(' ', indent)) : ", $  
  oNode->GetNodeName(), ':', oNode->GetNodeValue()
```

```
; Visit children
```

```
oSibling = oNode->GetFirstChild()
```

```
WHILE OBJ_VALID(oSibling) DO BEGIN
```

```
  SAMPLE_RECURSE, oSibling, indent+3
```

```
  oSibling = oSibling->GetNextSibling()
```

```
ENDWHILE
```

END

PRO sample

oDoc = OBJ_NEW('IDLffXMLDOMDocument')

oDoc->Load, FILENAME="sample.xml"

SAMPLE_RECURSE, oDoc, 0

OBJ_DESTROY, oDoc

END

-Mike
