
Subject: Still more fun with XML

Posted by [Karl Schultz](#) on Thu, 24 Mar 2005 16:44:00 GMT

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Since we're so deep into XML...

There's a really fun undocumented feature (that will be documented in the next IDL) that allows the IDL XML DOM parser to read XML from a URL instead of a local file.

Note the value of the FILENAME kwd in the code below.

This program reads an RSS feed from this weather web site. In particular, it gets the weather for the Fort Collins - Loveland airport in Colorado. Of course, you can change it to whatever airport you wish, as long as it is reported on this site.

There is no DTD, but the RSS specifications are readily available and I used those as a guide for this parser. I actually have a full RSS parser in the works, but I need to finish it up.

Have fun,

Karl

++++++

pro weather

```
oDoc = OBJ_NEW('IDLffXMLDOMDocument', $
    FILENAME='http://weather.gov/data/current_obs/KFNL.rss')
```

```
;; Get and print first title
oTitles = oDoc->GetElementsByTagName('title')
oTitle = oTitles->item(0)
oTextNodes = oTitle->getChildNodes()
print, (oTextNodes->item(0))->getNodeValue()
OBJ_DESTROY, oTitles
```

```
;; Loop through all the items, printing the titles and descriptions.
oltems = oDoc->GetElementsByTagName('item')
for i=0, oltems->getLength()-1 do begin
```

```
    oltem = oltems->item(i)
```

```
    oTitle = (oltem->GetElementsByTagName('title'))->item(0)
    oTextNodes = oTitle->GetChildNodes()
```

```
for j=0, oTextNodes->getLength()-1 do $
    print, (oTextNodes->item(j))->getNodeValue()
OBJ_DESTROY, oTitle

oDesc = (oItem->GetElementsByTagName('description'))->item(0)
oTextNodes = oDesc->GetChildNodes()
for j=0, oTextNodes->getLength()-1 do $
    print, (oTextNodes->item(j))->getNodeValue()
OBJ_DESTROY, oDesc

endfor
print
OBJ_DESTROY, oDoc
end
```
