

Other Data sources

Nov 20, 2009

php.net

Get Ready

- All of today's samples are at:
- <https://64.59.233.234/exampleFiles/WebData.html>

Open that URL in a web browser now

Open an ssh connection to the database machine and start Geany

- From the terminal on the local machine:
`chadd@barney:~> /updates/xmleditor/xxe-perso-4_5_0/bin/xxe &`

Lot's of data out there...

- Google
 - Maps
 - Search
 - YouTube
- Wunderground.org
 - Local weather stations
- NOAA.gov
 - National Oceanic and Atmospheric Administration

Handling Data

- XML
 - <http://www.w3schools.com/xml/default.asp>
 - “XML stands for eXtensible Markup Language. XML is designed to transport and store data.”
- SOAP
 - Simple Object Access Protocol
 - http://www.w3schools.com/SOAP/soap_intro.asp
 - “SOAP is a simple XML-based protocol to let applications exchange information over HTTP.”
- PHP
- JavaScript

XML

<http://api.wunderground.com/auto/wui/geo/GeoLookupXML/index.xml?query=97116>

Visit that URL, get XML!

```
<?xml version="1.0" encoding="UTF-8"?>
  <location type="CITY">
    <country>US</country>
    <state>OR</state>
    <city>Forest Grove</city>
    <tz_short>PST</tz_short>
    <tz_unix>America/Los_Angeles</tz_unix>
    <lat>45.58283997</lat>
    <lon>-123.21089935</lon>
    <zip>97116</zip>
    <radar>
      <url><http://www.wunderground.com/radar/radblast.asp?
        ID=RTX&region=a1&lat=45.58283997&lon=-123.21089935>
      </url>
    </radar>
```

....

```
<?php
```

```
xmlParser.php
```

```
$weather = simplexml_load_file('URL');
```

```
print $weather->country. "<br>";
```

```
print $weather->lat . " " .
```

```
    $weather->lon . "<br>";
```

```
print "<a href=" . $weather->radar->url .  
    "> Weather </a> <p>";
```

```
foreach ($weather->webcams->cam as $cam)  
{
```

```
    print "Cam name: " . $cam->handle.  
        "<br>";
```

```
    print " <br>";
```

```
}
```

```
?>
```

```
<?php
```

advXMLParser.php

```
require_once 'Zend/Loader.php';  
Zend_Loader::loadClass ('Zend_Gdata_YouTube');  
  
$yt = new Zend_Gdata_YouTube();  
$yt->setMajorProtocolVersion(2);  
  
$feed = $yt->getUserUploads('pacuniv');  
  
foreach ($feed as $entry)  
{  
    print "Video: " . $entry->getVideoTitle() . "<br>";  
    print "Description: " . $entry->getVideoDescription();  
    print "<br>";  
    print $entry->getFlashPlayerUrl();  
    print "<P>";  
}  
  
?>
```

http://code.google.com/apis/youtube/2.0/developers_guide_php.html

Get an XML feed

- Does your favorite website have an XML feed?
- Can you parse it?