

Live Currency Exchange Chart

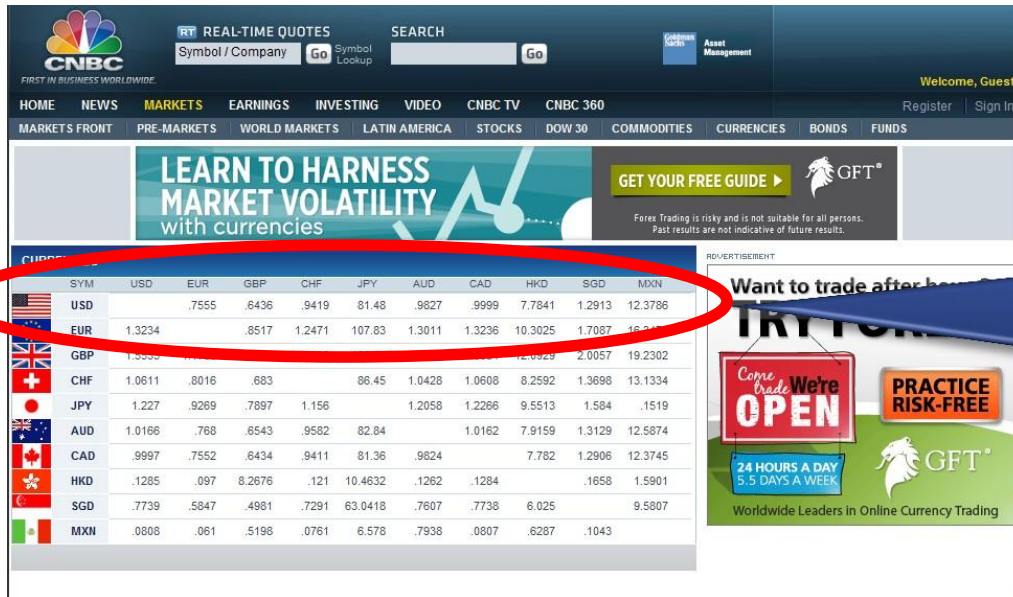
Dec 30, 2010

Live Currency Exchange Chart

- ▶ In this example , it implements a live currency exchange chart
- ▶ The live currency data is obtained from internet resource using PHP programming
- ▶ Fixed playlist , dynamic content – SMIL skill has been used to update the live currency data to the signage device.

Reference : http://www.a-smil.org/index.php/Fixed_Playlist,_Dynamic_Content

Obtain live currency data from web



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	SYM	USD	EUR	GBP	CHF	JPY	AUD	CAD	HKD	SGD	MXN
USD			.7555	.6436	.9419	81.48	.9827	.9999	7.7841	1.2913	12.3786
EUR		1.3234		.8517	1.2471	107.83	1.3011	1.3236	10.3025	1.7087	15.2000
GBP		1.3555						12.0929	2.0057	19.2302	
CHF		1.0611	.8016	.683		86.45	1.0428	1.0608	8.2592	1.3698	13.1334
JPY		1.227	.9289	.7897	1.156		1.2058	1.2266	9.5513	1.584	.1519
AUD		1.0166	.768	.6543	.9582	82.84		1.0162	7.9159	1.3129	12.5874
CAD		.9997	.7552	.6434	.9411	81.36	.9624		7.782	1.2906	12.3745
HKD		.1285	.097	8.2676	.121	10.4632	.1262	.1284		.1658	1.5901
SGD		.7739	.5847	.4981	.7291	63.0418	.7607	.7738	6.025		9.5807
MXN		.0808	.061	.5198	.0761	6.578	.7938	.0807	.8287	.1043	

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1. Web Resource : <http://www.cnbc.com/id/24509219>
2. The USD currency data marked in red is what we need

► Analyzing the HTML source of <http://www.cnbc.com/id/24509219> :

Line 143 : `<div class="cnbc_currencies_country" align="right">.7556</div>`

Currency data are tagged with div tag with attribute align="right".

Parse data , Create Image

► CNBC.PHP

Line 5 : **include_once('simple_html_dom.php');**

Line 7 : **\$html = file_get_html('http://www.cnbc.com/id/24509219');**

Line 11 : **\$currency[\$x]=\$html->find('div[align=right]',\$x)->plaintext;**

Line 26 :

imagestring(\$buy_img[\$x], 5, 75, 35, \$currency[\$x], \$textcolor);

Line 30 :

imagepng(\$buy_img[\$x], 'currency' . \$y . '.png');

◆ Output will similar to :



.7556

Currency1.png

Open source HTML
DOMparser can help on
parsing job
<http://simplehtmldom.sourceforge.net/>

Create DOM from URL

Get the currency data come
with the div tag with align
attribute

Use PHP library imagestring to
convert the string to image and
use imagepng to save as png
file

Create SMIL

INDEX.SMIL

Line 37 :

```
  
<param name="cacheControl" value="onlyIfCached" />  
</img>
```

Line 82:

```
<par repeatCount="indefinite">  
  <seq dur="60s" />  
  <seq>  
    <prefetch src="currency1.png" />
```

A static smil file created in advance but the image file will be updated dynamically by the PHP program.

► Index.smil

