

Web Pages with XML Data – Display Using Microsoft Internet Explorer

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Using data in XML format has become the de facto machine to machine interoperability standard.

Energy Tracking, in its metering technology has made extensive use of XML. Furthermore, Microsoft Internet Explorer has a built-in XML parser.

Anatomy of a web page:

```
<HTML>
<HEAD><meta http-equiv="X-UA-Compatible" content="IE=6,7,8,9"/>
<STYLE type="text/css">BODY {COLOR:#000080;FONT-FAMILY:verdana}</STYLE>
</HEAD>
<BODY>
<XML id="meter">
<meterdata>
<METER_ID>1111111100409D4D17F7</METER_ID>
<SRL_NUM>111100409D4D17F7</SRL_NUM>
<METER_ADDR>WEM Location</METER_ADDR>
<METER_TIME>10/24/16 19:04 Mon</METER_TIME>
<ONLINE>155692</ONLINE>
<VER>090315_MX3_A</VER>
<MAC>00:40:9D:4D:17:F7</MAC>
</meterdata>
</XML>

<TABLE>
<TR><TD><H1>Energy Tracking</H1></TD></TR>
<TR><TD><H2>WEM-MX 333mV</H2></TD></TR>
<TR align="center"><TD>
<TABLE dataSrc="#meter">
<TR><TD class="HDR">Meter ID</TD><TD class="DAT"><DIV dataFld="METER_ID"></DIV></TD></TR>
<TR><TD class="HDR">MAC</TD><TD class="DAT"><DIV dataFld="MAC"></DIV></TD></TR>
<TR><TD class="HDR">OnLine Mins.</TD><TD class="DAT">
<DIV dataFld="ONLINE"></DIV></TD></TR>
</TABLE>
</TD></TR>
</TABLE>
</BODY></HTML>
```

Meter ID	1111111100409D4D17F7
Meter Address	WEM Location
Meter Time (mm/dd/yy)	10/24/16 19:04 Mon
Serial Number	111100409D4D17F7
Version	090315_MX3_A
MAC	00:40:9D:4D:17:F7
OnLine Mins.	155692

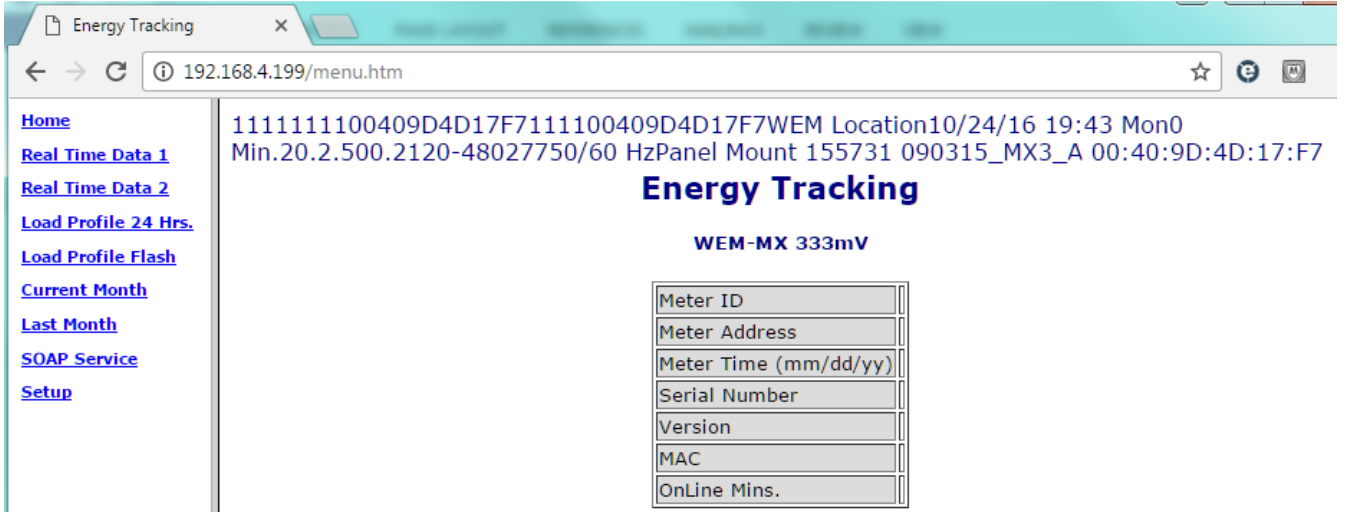
XML Data Island

Target XML id = "meter"

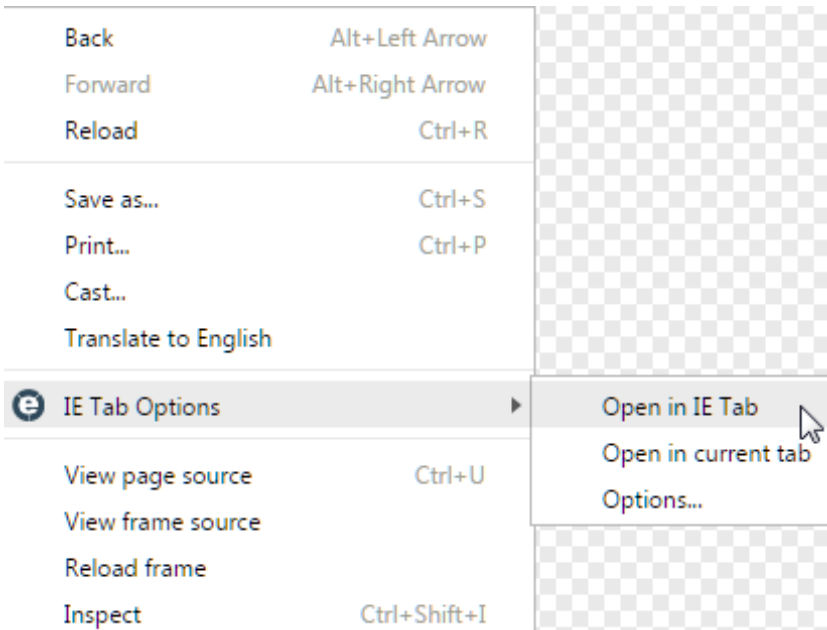
Find this field and populate web page table

Note: Not all browsers have a XML parser. For example, if you want to use FireFox or Chrome browsers then a plug-in called “**IE Tab**” is available for free must be installed.

When using a (**Chrome**) browser **other** than MS IE, you will see:



This indicates that the XML data is not being populated correctly in the table. **Install the plugin**, enter the meter’s IP address and then right-click on the web page which will display the following option. Select “**Open in IE Tab**”



The web page will refresh and you will see the data correctly populated.

The screenshot shows a web browser window with the title 'Energy Tracking'. The address bar contains 'http://192.168.4.199/mtrhome.htm'. The page content includes the heading 'Energy Tracking' and a sub-heading 'WEM-MX 333mV'. Below this is a table with the following data:

Meter ID	111111100409D4D17F7
Meter Address	WEM Location
Meter Time (mm/dd/yy)	10/24/16 19:52 Mon
Serial Number	111100409D4D17F7
Version	090315_MX3_A
MAC	00:40:9D:4D:17:F7
OnLine Mins.	155740

FireFox Example:

The screenshot shows a Firefox context menu with the following options: Share This Page, Save Page As..., Save Page to Pocket, View Background Image, Select All, This Frame, View Page Source, View Page Info, Inspect Element (Q), View Page in IE Tab, View Page in Ext.App., and Inspect Element with Fire. A tooltip is displayed over the 'View Page in IE Tab' option, providing the following information:

- Left-Click: Switch rendering engine of current page.
- Middle-Click: Use new tab to switch rendering engine.
- Right-Click: Show IE Tab 2 Sites Filter.

Left Click on the muse and you will see the following:

Connecting... x +

192.168.4.199/menu.htm Search

Energy Tracking

WEM-MX 333mV

Meter ID	1111111100409D4D17F7
Meter Address	WEM Location
Meter Time (mm/dd/yy)	10/24/16 19:59 Mon
Serial Number	111100409D4D17F7
Version	090315_MX3_A
MAC	00:40:9D:4D:17:F7
OnLine Mins.	155747

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[Current Month](#)
[Last Month](#)
[SOAP Service](#)
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