

Lee

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Date: Wednesday, May 08, 2019 11:36 AM
To: "Forrest Erickson" <forresterickson@comcast.net>; "Lee Erickson" <lee@SpectrumTechniques.com>
Attach: Lee Erickson.vcf
Subject: Notes on LAN Web Server Capture, Case Where CSS Messed Up and We Got Font With Serifs.

Useful filter: ip.src == 10.1.10.71 && ip.dst==10.1.10.235 && http
 Source is the ST365 and destination is my computer running wire shark.

Page Load CSS that was ?normal?

The image shows a Wireshark packet capture of an HTTP response. The packet list on the left shows a series of HTTP requests and responses. The packet details pane on the right shows the structure of an HTTP response, including the status bar, headers, and the body. The body contains CSS code for styling a document.

No.	Time	Source	Destination	Protocol	Length	Info
51	8.396964	10.1.10.71	10.1.10.235	HTTP	368	HTTP/1.0 200 OK (text/html)
70	8.428853	10.1.10.71	10.1.10.235	HTTP	742	HTTP/1.0 200 OK (text/css)
71	8.428855	10.1.10.71	10.1.10.235	HTTP	1029	HTTP/1.0 200 OK (application/x-javascript)
79	8.429816	10.1.10.71	10.1.10.235	HTTP	1177	HTTP/1.0 200 OK (application/x-javascript)
113	8.441169	10.1.10.71	10.1.10.235	HTTP	463	HTTP/1.0 200 OK (text/plain)
141	8.448162	10.1.10.71	10.1.10.235	HTTP	648	HTTP/1.0 200 OK (JPEG JFIF image)
149	8.450489	10.1.10.71	10.1.10.235	HTTP	856	HTTP/1.0 200 OK (image/x-icon)
174	12.501140	10.1.10.71	10.1.10.235	HTTP	107	HTTP/1.0 200 OK (text/html)
231	16.984601	10.1.10.71	10.1.10.235	HTTP	538	HTTP/1.0 200 OK (text/html)
280	20.895913	10.1.10.71	10.1.10.235	HTTP	368	HTTP/1.0 200 OK (text/html)
298	20.927879	10.1.10.71	10.1.10.235	HTTP	1029	HTTP/1.0 200 OK (application/x-javascript)
303	20.928805	10.1.10.71	10.1.10.235	HTTP	742	HTTP/1.0 200 OK (text/css)
304	20.928805	10.1.10.71	10.1.10.235	HTTP	1177	HTTP/1.0 200 OK (application/x-javascript)
359	20.947562	10.1.10.71	10.1.10.235	HTTP	463	HTTP/1.0 200 OK (text/plain)
370	20.949904	10.1.10.71	10.1.10.235	HTTP	648	HTTP/1.0 200 OK (JPEG JFIF image)
439	27.051437	10.1.10.71	10.1.10.235	HTTP	368	HTTP/1.0 200 OK (text/html)
456	27.071039	10.1.10.71	10.1.10.235	HTTP	742	HTTP/1.0 200 OK (text/css)
459	27.071046	10.1.10.71	10.1.10.235	HTTP	1029	HTTP/1.0 200 OK (application/x-javascript)
467	27.071911	10.1.10.71	10.1.10.235	HTTP	1177	HTTP/1.0 200 OK (application/x-javascript)
509	27.689920	10.1.10.71	10.1.10.235	HTTP	463	HTTP/1.0 200 OK (text/plain)
529	27.694648	10.1.10.71	10.1.10.235	HTTP	648	HTTP/1.0 200 OK (JPEG JFIF image)
600	36.023945	10.1.10.71	10.1.10.235	HTTP	368	HTTP/1.0 200 OK (text/html)
618	36.052662	10.1.10.71	10.1.10.235	HTTP	1029	HTTP/1.0 200 OK (application/x-javascript)
622	36.053478	10.1.10.71	10.1.10.235	HTTP	1177	HTTP/1.0 200 OK (application/x-javascript)
624	36.053482	10.1.10.71	10.1.10.235	HTTP	742	HTTP/1.0 200 OK (text/css)
667	36.071697	10.1.10.71	10.1.10.235	HTTP	463	HTTP/1.0 200 OK (text/plain)
690	36.077135	10.1.10.71	10.1.10.235	HTTP	648	HTTP/1.0 200 OK (JPEG JFIF image)
712	38.515744	10.1.10.71	10.1.10.235	HTTP	107	HTTP/1.0 200 OK (text/html)
735	41.209019	10.1.10.71	10.1.10.235	HTTP	368	HTTP/1.0 200 OK (text/html)
752	41.238150	10.1.10.71	10.1.10.235	HTTP	742	HTTP/1.0 200 OK (text/css)
758	41.238969	10.1.10.71	10.1.10.235	HTTP	1029	HTTP/1.0 200 OK (application/x-javascript)
760	41.238976	10.1.10.71	10.1.10.235	HTTP	1177	HTTP/1.0 200 OK (application/x-javascript)
788	41.250410	10.1.10.71	10.1.10.235	HTTP	463	HTTP/1.0 200 OK (text/plain)
825	41.260584	10.1.10.71	10.1.10.235	HTTP	648	HTTP/1.0 200 OK (JPEG JFIF image)
871	43.463495	10.1.10.71	10.1.10.235	HTTP	368	HTTP/1.0 200 OK (text/html)
885	43.496038	10.1.10.71	10.1.10.235	HTTP	848	HTTP/1.0 200 OK (text/css)
895	43.497858	10.1.10.71	10.1.10.235	HTTP	1177	HTTP/1.0 200 OK (application/x-javascript)
896	43.497862	10.1.10.71	10.1.10.235	HTTP	1029	HTTP/1.0 200 OK (application/x-javascript)
938	43.515210	10.1.10.71	10.1.10.235	HTTP	463	HTTP/1.0 200 OK (text/plain)
961	43.520582	10.1.10.71	10.1.10.235	HTTP	648	HTTP/1.0 200 OK (JPEG JFIF image)

The packet details pane on the right shows the structure of an HTTP response, including the status bar, headers, and the body. The body contains CSS code for styling a document.

```

HTTP response 1/1
[Time since request: 0.001248000 seconds]
[Request in frame: 247]
[Request URI: http://10.1.10.71/styles.css]
File Data: 2052 bytes
* Line-based text data: text/css (125 lines)
/* Copyright (c) 2016-2019 Spectrum Techniques LLC. All rights reserved. */
/* Styling for the entire document. */
body {
background-color: white;
color: black;
font-family: Arial,Helvetica,sans-serif;
/*Matches background of Spectrum Techniques LLC. Logo. Teal.*/
background-color: #008080;
}
/* Styling for the heading div. */
h1 {
color: #008080;
font-size: 2em;
margin-bottom: 10px;
text-align: center;
}
h2 {
color: #008080;
font-size: 1.5em;
margin-bottom: 10px;
text-align: center;
}
h3 {
color: #008080;
font-size: 1.2em;
margin-bottom: 10px;
text-align: center;
}
h4 {
color: #008080;
font-size: 1.1em;
margin-bottom: 10px;
text-align: center;
}
h5 {
color: #008080;
font-size: 1em;
margin-bottom: 10px;
text-align: center;
}
h6 {
color: #008080;
font-size: 0.9em;
margin-bottom: 10px;
text-align: center;
}
h7 {
color: #008080;
font-size: 0.8em;
margin-bottom: 10px;
text-align: center;
}
h8 {
color: #008080;
font-size: 0.7em;
margin-bottom: 10px;
text-align: center;
}
h9 {
color: #008080;
font-size: 0.6em;
margin-bottom: 10px;
text-align: center;
}
h10 {
color: #008080;
font-size: 0.5em;
margin-bottom: 10px;
text-align: center;
}
h11 {
color: #008080;
font-size: 0.4em;
margin-bottom: 10px;
text-align: center;
}
h12 {
color: #008080;
font-size: 0.3em;
margin-bottom: 10px;
text-align: center;
}
h13 {
color: #008080;
font-size: 0.2em;
margin-bottom: 10px;
text-align: center;
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h14 {
color: #008080;
font-size: 0.1em;
margin-bottom: 10px;
text-align: center;
}
h15 {
color: #008080;
font-size: 0.05em;
margin-bottom: 10px;
text-align: center;
}
h16 {
color: #008080;
font-size: 0.02em;
margin-bottom: 10px;
text-align: center;
}
h17 {
color: #008080;
font-size: 0.01em;
margin-bottom: 10px;
text-align: center;
}
h18 {
color: #008080;
font-size: 0.005em;
margin-bottom: 10px;
text-align: center;
}
h19 {
color: #008080;
font-size: 0.002em;
margin-bottom: 10px;
text-align: center;
}
h20 {
color: #008080;
font-size: 0.001em;
margin-bottom: 10px;
text-align: center;
}
h21 {
color: #008080;
font-size: 0.0005em;
margin-bottom: 10px;
text-align: center;
}
h22 {
color: #008080;
font-size: 0.0002em;
margin-bottom: 10px;
text-align: center;
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h23 {
color: #008080;
font-size: 0.0001em;
margin-bottom: 10px;
text-align: center;
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h24 {
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h25 {
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h27 {
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h28 {
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h30 {
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h35 {
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font-size: 0.00000001em;
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text-align: center;
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h36 {
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font-size: 0.000000005em;
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h37 {
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h108 {
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font-size: 0.000000000000000000000000000000005em;
margin-bottom: 10px;
text-align: center;
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h109 {
color: #008080;
font-size: 0.000000000000000000000000000000002em;
margin-bottom: 10px;
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h110 {
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font-size: 0.000000000000000000000000000000001em;
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h121 {
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h122 {
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h123 {
color: #008080;
font-size: 0.00000000000000000000000000000000000005em;
margin-bottom: 10px;
text-align: center;
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h124 {
color: #008080;
font-size: 0.00000000000000000000000000000000000002em;
margin-bottom: 10px;
text-align: center;
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h125 {
color: #008080;
font-size: 0.00000000000000000000000000000000000001em;
margin-bottom: 10px;
text-align: center;
}

```

Page

Wireshark packet capture analysis of a web page load. The top pane shows a list of 40 HTTP packets. The middle pane displays the details of packet 40, which is a 2254-byte GET request for a CSS file. The bottom pane shows the raw packet data in hexadecimal and ASCII. The details pane highlights the 'User-Agent' field, which contains the text 'Mozilla/5.0 (Windows NT 6.0; rv:3.0) Gecko/20100101 Firefox/3.0'.

Looks like the HTTP/1.0 200 OK got into the body of the CSS.

Here is the web page:

The screenshot displays a web browser window with the following elements:

- Browser Tabs:** EK-TM4C1294XL: Change to e..., Spiceworks - Open Tickets, Home ST365 Counter, Home ST365 Counter.
- Address Bar:** 10.1.10.71/index.htm
- Page Title:** Spectrum Techniques
- Main Content:**

ST365 Radiation Counter

Telnet Server
- Image:** A photograph of the ST365A Counter device, a white rectangular unit with a red digital display showing '9265'.
- Sidebar Navigation:**
 - ST365 Overview
 - Network Status
 - IP Port Settings
 - Network Settings
 - ST365 Models and Systems
 - Desktop Control Software
- DevTools Style Editor:**

```

1 HTTP/1.0 200 OK
2 Server: lwIP/1.3.2 (http://www.sics.se/~adam/lwip/)
3 Content-type: text/css
4
5 /* Copyright (c) 2016-2019 Spectrum Techniques LLC. All rights reserved. */
6
7 /* Styling for the entire document. */
8 body
9 {
10     background-color: white;
11     color: black;
12     font-family: Arial,Helvetica,sans-serif;
13     /*Matches background of Spectrum Techniques LLC. Logo. Teal.
14     use: #000000
15     */
16 }
17
18
19 /* Styling for the heading div. */
20 #heading
21 {
22     clear: both;

```

Showing the same "HTTP/1.0 200 OK...." in the style editor.

+++++

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