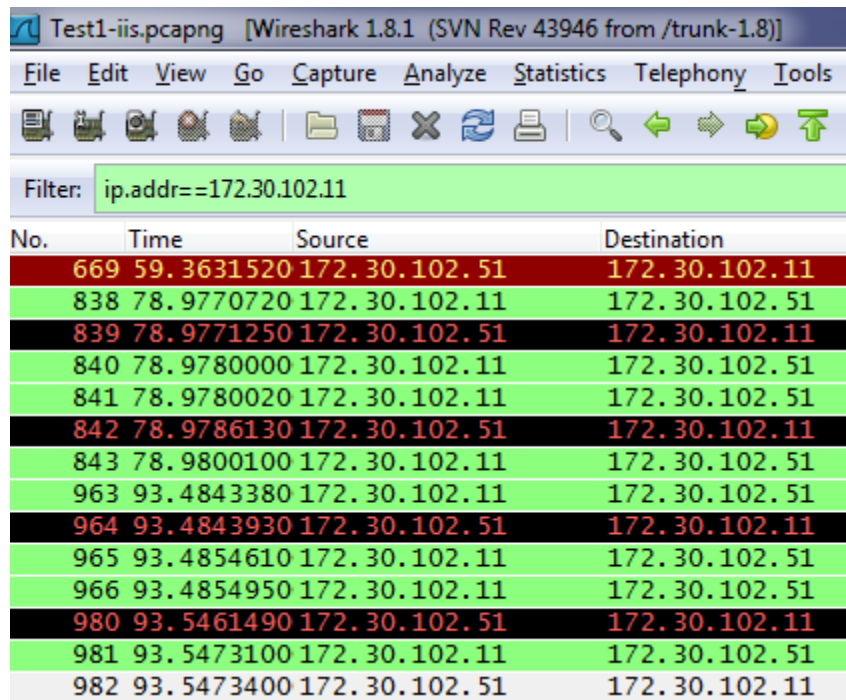


TEST 1: F5 and IIS co-resident - Page Cannot Be Displayed

Data Leaving IIS before hitting wire

Referring to figure 1 below, this packet capture was taken on the IIS server and looks at data between the IIS server and the F5 (172.30.102.11).



The screenshot shows the Wireshark interface with a filter set to 'ip.addr==172.30.102.11'. The packet list pane displays 14 packets, all showing a source IP of 172.30.102.51 and a destination IP of 172.30.102.11. The packets are numbered 669 through 982, with timestamps ranging from 59.3631520 to 93.5473400. The packets are alternatingly highlighted in red and green.

| No. | Time | Source | Destination |
|-----|------------|---------------|---------------|
| 669 | 59.3631520 | 172.30.102.51 | 172.30.102.11 |
| 838 | 78.9770720 | 172.30.102.11 | 172.30.102.51 |
| 839 | 78.9771250 | 172.30.102.51 | 172.30.102.11 |
| 840 | 78.9780000 | 172.30.102.11 | 172.30.102.51 |
| 841 | 78.9780020 | 172.30.102.11 | 172.30.102.51 |
| 842 | 78.9786130 | 172.30.102.51 | 172.30.102.11 |
| 843 | 78.9800100 | 172.30.102.11 | 172.30.102.51 |
| 963 | 93.4843380 | 172.30.102.11 | 172.30.102.51 |
| 964 | 93.4843930 | 172.30.102.51 | 172.30.102.11 |
| 965 | 93.4854610 | 172.30.102.11 | 172.30.102.51 |
| 966 | 93.4854950 | 172.30.102.11 | 172.30.102.51 |
| 980 | 93.5461490 | 172.30.102.51 | 172.30.102.11 |
| 981 | 93.5473100 | 172.30.102.11 | 172.30.102.51 |
| 982 | 93.5473400 | 172.30.102.51 | 172.30.102.11 |

(Figure 1)

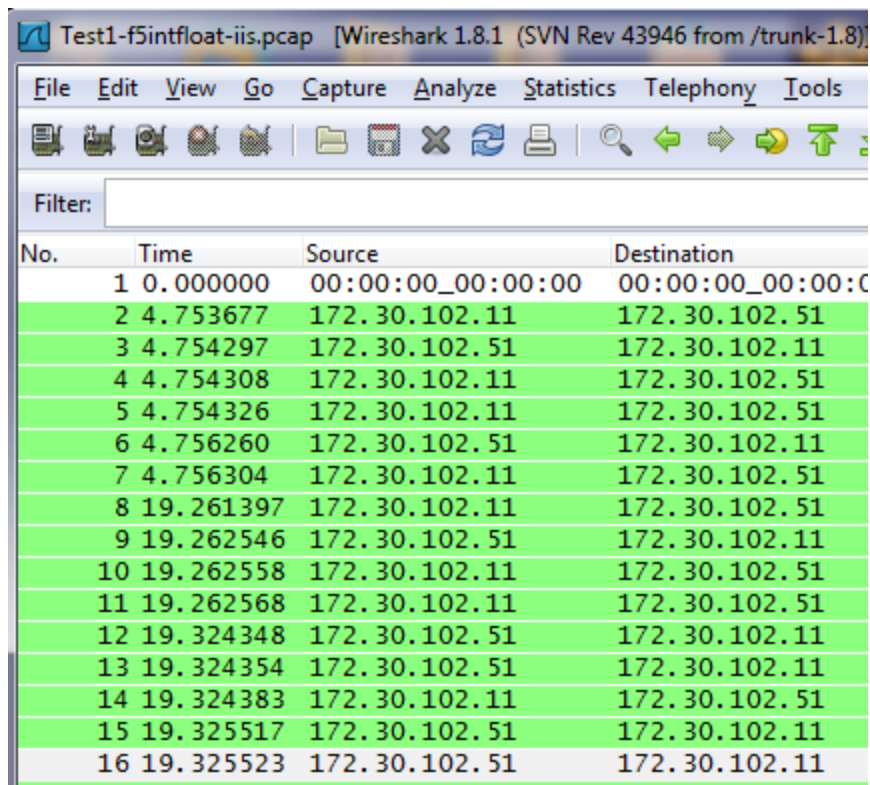
Figure 2 shows the contents of the complete HTTP data leaving the IIS server. The payload is compressed ("Content-Encoding: gzip") and Wireshark is able to decompress it ("Content-encoded entity body (gzip): 5443 bytes -> 14940 bytes")

```
⊕ Frame 982: 2937 bytes on wire (23496 bits), 2937 bytes captured (
⊕ Ethernet II, Src: Vmware_80:6c:83 (00:50:56:80:6c:83), Dst: Vmwar
⊕ Internet Protocol Version 4, Src: 172.30.102.51 (172.30.102.51),
⊕ Transmission Control Protocol, Src Port: http (80), Dst Port: 545
⊕ [2 Reassembled TCP Segments (5803 bytes): #980(2920), #982(2883)]
⊖ Hypertext Transfer Protocol
⊕ HTTP/1.1 200 OK\r\n
  Cache-Control: private\r\n
  Content-Type: text/html; charset=utf-8\r\n
  Content-Encoding: gzip\r\n
  Vary: Accept-Encoding\r\n
  Server: Microsoft-IIS/7.5\r\n
  X-AspNet-Version: 4.0.30319\r\n
  Set-Cookie: ncMJBtest=Name=imamjbcokieetest; expires=Fri, 26-Jul
  X-Powered-By: ASP.NET\r\n
  Date: Fri, 26 Jul 2013 14:40:50 GMT\r\n
⊕ Content-Length: 5443\r\n
  \r\n
  Content-encoded entity body (gzip): 5443 bytes -> 14940 bytes
⊕ Line-based text data: text/html
```

(Figure 2)

Data hitting F5's inside interface, from IIS (from F5's perspective)

Figure 3 shows the capture of traffic to-from the F5 and IIS server (taken from the perspective of the F5 using the tcpdump CLI command)



The image shows a screenshot of the Wireshark 1.8.1 interface. The title bar reads "Test1-f5intfloat-iis.pcap [Wireshark 1.8.1 (SVN Rev 43946 from /trunk-1.8)]". The menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, and Tools. Below the menu is a toolbar with various icons. A "Filter:" field is visible above the packet list. The packet list table shows 16 packets, all with source IP 172.30.102.11 and destination IP 172.30.102.51. The time values range from 0.000000 to 19.325523. The interface is in a light theme.

| No. | Time | Source | Destination |
|-----|-----------|-------------------|-------------------|
| 1 | 0.000000 | 00:00:00_00:00:00 | 00:00:00_00:00:00 |
| 2 | 4.753677 | 172.30.102.11 | 172.30.102.51 |
| 3 | 4.754297 | 172.30.102.51 | 172.30.102.11 |
| 4 | 4.754308 | 172.30.102.11 | 172.30.102.51 |
| 5 | 4.754326 | 172.30.102.11 | 172.30.102.51 |
| 6 | 4.756260 | 172.30.102.51 | 172.30.102.11 |
| 7 | 4.756304 | 172.30.102.11 | 172.30.102.51 |
| 8 | 19.261397 | 172.30.102.11 | 172.30.102.51 |
| 9 | 19.262546 | 172.30.102.51 | 172.30.102.11 |
| 10 | 19.262558 | 172.30.102.11 | 172.30.102.51 |
| 11 | 19.262568 | 172.30.102.11 | 172.30.102.51 |
| 12 | 19.324348 | 172.30.102.51 | 172.30.102.11 |
| 13 | 19.324354 | 172.30.102.51 | 172.30.102.11 |
| 14 | 19.324383 | 172.30.102.11 | 172.30.102.51 |
| 15 | 19.325517 | 172.30.102.51 | 172.30.102.11 |
| 16 | 19.325523 | 172.30.102.51 | 172.30.102.11 |

(Figure 3)

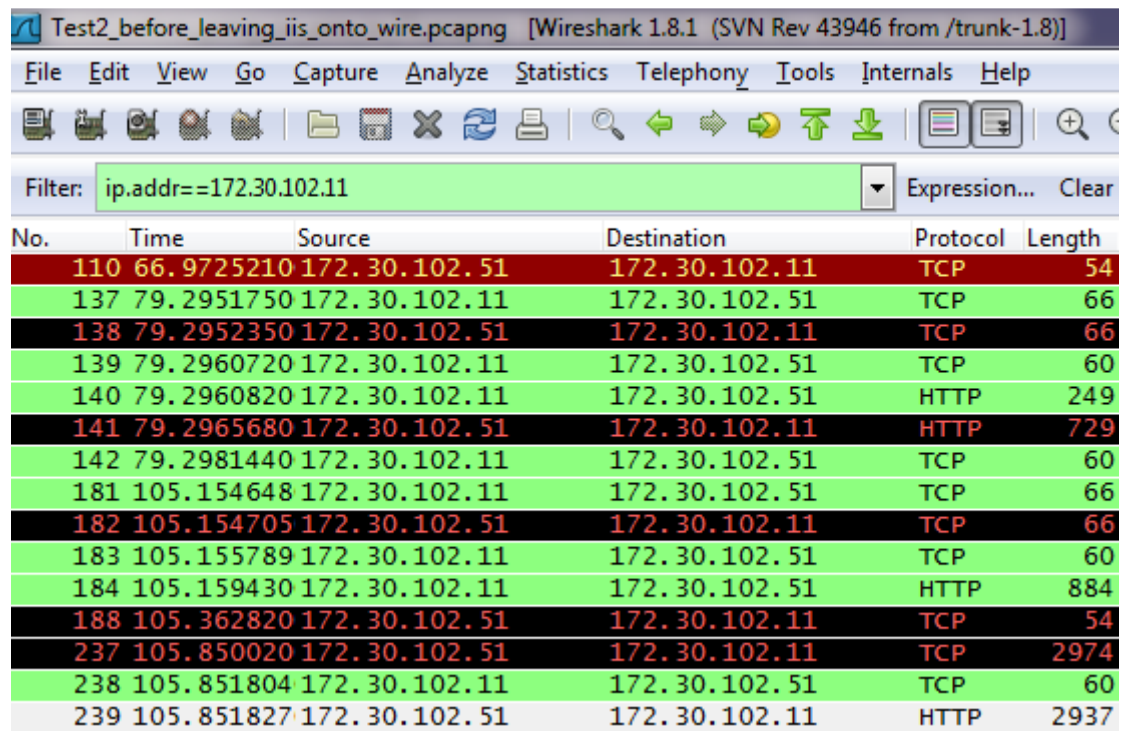
Figure 4 shows that the data has been corrupted. Wireshark is unable to decompress the contents of the gzip-encoded data (Content-encoded entity body (gzip): 5443 bytes [Error: Decompression failed])”

```
Frame 16: 1604 bytes on wire (12832 bits), 1604 bytes captured (12832 bits)
Ethernet II, Src: Vmware_80:6c:83 (00:50:56:80:6c:83), Dst: Vmware_80:70:d9 (00:
Internet Protocol Version 4, Src: 172.30.102.51 (172.30.102.51), Dst: 172.30.102
Transmission Control Protocol, Src Port: http (80), Dst Port: 54545 (54545), Seq
[4 Reassembled TCP Segments (5803 bytes): #12(1460), #13(1460), #15(1460), #16(1
Hypertext Transfer Protocol
HTTP/1.1 200 OK\r\n
Cache-Control: private\r\n
Content-Type: text/html; charset=utf-8\r\n
Content-Encoding: gzip\r\n
Vary: Accept-Encoding\r\n
Server: Microsoft-IIS/7.5\r\n
X-AspNet-Version: 4.0.30319\r\n
Set-Cookie: ncmjBtest=Name=imamjbcookietest; expires=Fri, 26-Jul-2013 14:42:50
X-Powered-By: ASP.NET\r\n
Date: Fri, 26 Jul 2013 14:40:50 GMT\r\n
Content-Length: 5443\r\n
\r\n
Content-encoded entity body (gzip): 5443 bytes [Error: Decompression failed]
```

(Figure 4)

TEST 2: F5 and IIS Co-resident w/1000v SPAN capture - Page Cannot Be Displayed

Data Leaving IIS before hitting wire (from IIS's perspective)



The image shows a Wireshark capture window titled "Test2_before_leaving_iis_onto_wire.pcapng" with version "1.8.1 (SVN Rev 43946 from /trunk-1.8)". The filter is set to "ip.addr==172.30.102.11". The packet list table below shows traffic from source 172.30.102.51 to destination 172.30.102.11. The traffic includes TCP connections and HTTP requests. Packet 141 is a large HTTP request (729 bytes), and packet 237 is a large TCP segment (2974 bytes).

| No. | Time | Source | Destination | Protocol | Length |
|-----|------------|---------------|---------------|----------|--------|
| 110 | 66.9725210 | 172.30.102.51 | 172.30.102.11 | TCP | 54 |
| 137 | 79.2951750 | 172.30.102.11 | 172.30.102.51 | TCP | 66 |
| 138 | 79.2952350 | 172.30.102.51 | 172.30.102.11 | TCP | 66 |
| 139 | 79.2960720 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 140 | 79.2960820 | 172.30.102.11 | 172.30.102.51 | HTTP | 249 |
| 141 | 79.2965680 | 172.30.102.51 | 172.30.102.11 | HTTP | 729 |
| 142 | 79.2981440 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 181 | 105.154648 | 172.30.102.11 | 172.30.102.51 | TCP | 66 |
| 182 | 105.154705 | 172.30.102.51 | 172.30.102.11 | TCP | 66 |
| 183 | 105.155789 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 184 | 105.159430 | 172.30.102.11 | 172.30.102.51 | HTTP | 884 |
| 188 | 105.362820 | 172.30.102.51 | 172.30.102.11 | TCP | 54 |
| 237 | 105.850020 | 172.30.102.51 | 172.30.102.11 | TCP | 2974 |
| 238 | 105.851804 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 239 | 105.851827 | 172.30.102.51 | 172.30.102.11 | HTTP | 2937 |

Figure 5

```
⊞ Frame 239: 2937 bytes on wire (23496 bits), 2937 bytes captured (23496 bits) on interface 0
⊞ Ethernet II, Src: Vmware_80:6c:83 (00:50:56:80:6c:83), Dst: Vmware_80:70:d9 (00:50:56:80:70:d9)
⊞ Internet Protocol Version 4, Src: 172.30.102.51 (172.30.102.51), Dst: 172.30.102.11 (172.30.102.11)
⊞ Transmission Control Protocol, Src Port: http (80), Dst Port: 55080 (55080), Seq: 2921, Ack: 831, Len: 2883
⊞ [2 Reassembled TCP Segments (5803 bytes): #237(2920), #239(2883)]
⊞ Hypertext Transfer Protocol
  ⊞ HTTP/1.1 200 OK\r\n
    Cache-Control: private\r\n
    Content-Type: text/html; charset=utf-8\r\n
    Content-Encoding: gzip\r\n
    Vary: Accept-Encoding\r\n
    Server: Microsoft-IIS/7.5\r\n
    X-AspNet-Version: 4.0.30319\r\n
    Set-Cookie: ncmjBtest=Name=imamjbcokitest; expires=Fri, 26-Jul-2013 15:45:56 GMT; path=/\r\n
    X-Powered-By: ASP.NET\r\n
    Date: Fri, 26 Jul 2013 15:43:56 GMT\r\n
  ⊞ Content-Length: 5443\r\n
    \r\n
    Content-encoded entity body (gzip): 5443 bytes -> 14940 bytes
⊞ Line-based text data: text/html
```

Figure 6

Data, as seen from the perspective of the 1000v, before leaving “wire” to F5

Test2_before_going_on_wire_to_F5.pcapng [Wireshark 1.8.1 (SVN Rev 43946 from /trunk-1.8)]

File Edit View Go Capture Analyze Statistics Telephony Tools Internals Help

Filter: ip.addr==172.30.102.11 Expression... Clear

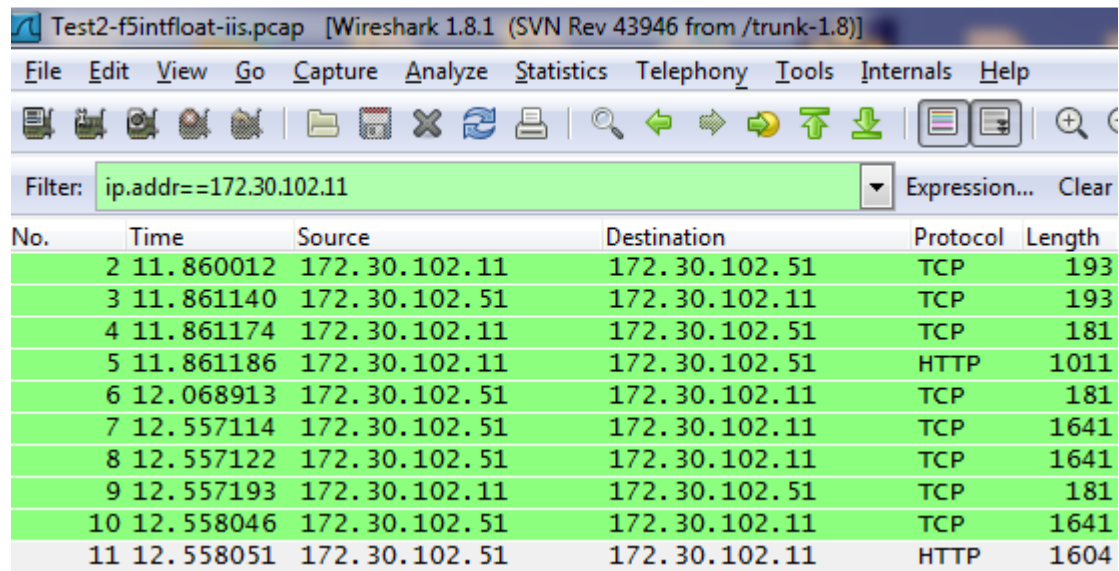
| No. | Time | Source | Destination | Protocol | Length |
|-----|------------|---------------|---------------|----------|--------|
| 3 | 2.50390800 | 172.30.102.11 | 172.30.102.51 | TCP | 66 |
| 6 | 2.50510000 | 172.30.102.51 | 172.30.102.11 | TCP | 66 |
| 7 | 2.50615900 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 8 | 2.50616100 | 172.30.102.11 | 172.30.102.51 | HTTP | 249 |
| 9 | 2.50671600 | 172.30.102.51 | 172.30.102.11 | HTTP | 729 |
| 10 | 2.50814600 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 13 | 8.76279000 | 172.30.102.51 | 172.30.102.11 | TCP | 60 |
| 108 | 133.954306 | 172.30.102.51 | 172.30.102.11 | TCP | 60 |
| 122 | 146.276887 | 172.30.102.11 | 172.30.102.51 | TCP | 66 |
| 123 | 146.277036 | 172.30.102.51 | 172.30.102.11 | TCP | 66 |
| 124 | 146.277784 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 125 | 146.277786 | 172.30.102.11 | 172.30.102.51 | HTTP | 249 |
| 126 | 146.278354 | 172.30.102.51 | 172.30.102.11 | HTTP | 729 |
| 127 | 146.279855 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 145 | 172.136356 | 172.30.102.11 | 172.30.102.51 | TCP | 66 |
| 146 | 172.136508 | 172.30.102.51 | 172.30.102.11 | TCP | 66 |
| 147 | 172.137500 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 148 | 172.141143 | 172.30.102.11 | 172.30.102.51 | HTTP | 884 |
| 150 | 172.344619 | 172.30.102.51 | 172.30.102.11 | TCP | 60 |
| 152 | 172.831828 | 172.30.102.51 | 172.30.102.11 | TCP | 1514 |
| 153 | 172.831831 | 172.30.102.51 | 172.30.102.11 | TCP | 1514 |
| 154 | 172.833519 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 155 | 172.833609 | 172.30.102.51 | 172.30.102.11 | TCP | 1514 |
| 156 | 172.833611 | 172.30.102.51 | 172.30.102.11 | HTTP | 1477 |

Figure 7

```
⊕ Frame 156: 1477 bytes on wire (11816 bits), 1477 bytes captured (11816 bits) on interface 0
⊕ Ethernet II, Src: Vmware_80:6c:83 (00:50:56:80:6c:83), Dst: Vmware_80:70:d9 (00:50:56:80:70:d9)
⊕ Internet Protocol Version 4, Src: 172.30.102.51 (172.30.102.51), Dst: 172.30.102.11 (172.30.102.11)
⊕ Transmission Control Protocol, Src Port: http (80), Dst Port: 55080 (55080), Seq: 4381, Ack: 831, Len: 1423
⊕ [4 Reassembled TCP Segments (5803 bytes): #152(1460), #153(1460), #155(1460), #156(1423)]
⊕ Hypertext Transfer Protocol
  ⊕ HTTP/1.1 200 OK\r\n
    Cache-Control: private\r\n
    Content-Type: text/html; charset=utf-8\r\n
    Content-Encoding: gzip\r\n
    Vary: Accept-Encoding\r\n
    Server: Microsoft-IIS/7.5\r\n
    X-AspNet-Version: 4.0.30319\r\n
    Set-Cookie: ncmjBtest=Name=imamjbcokieetest; expires=Fri, 26-Jul-2013 15:45:56 GMT; path=/\r\n
    X-Powered-By: ASP.NET\r\n
    Date: Fri, 26 Jul 2013 15:43:56 GMT\r\n
  ⊕ Content-Length: 5443\r\n
    \r\n
    Content-encoded entity body (gzip): 5443 bytes -> 14940 bytes
⊕ Line-based text data: text/html
```

Figure 8

Data hitting F5's inside interface (from F5's perspective)



The image shows a Wireshark network traffic capture window. The title bar indicates the file is 'Test2-f5intfloat-iis.pcap' and the version is 'Wireshark 1.8.1 (SVN Rev 43946 from /trunk-1.8)'. The menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Tools, Internals, and Help. The toolbar contains various icons for file operations, capture control, and analysis. The filter field is set to 'ip.addr==172.30.102.11'. The packet list table below shows 11 packets, all originating from 172.30.102.11 and destined for 172.30.102.51. The protocols include TCP and HTTP, with lengths ranging from 181 to 1604 bytes.

| No. | Time | Source | Destination | Protocol | Length |
|-----|-----------|---------------|---------------|----------|--------|
| 2 | 11.860012 | 172.30.102.11 | 172.30.102.51 | TCP | 193 |
| 3 | 11.861140 | 172.30.102.51 | 172.30.102.11 | TCP | 193 |
| 4 | 11.861174 | 172.30.102.11 | 172.30.102.51 | TCP | 181 |
| 5 | 11.861186 | 172.30.102.11 | 172.30.102.51 | HTTP | 1011 |
| 6 | 12.068913 | 172.30.102.51 | 172.30.102.11 | TCP | 181 |
| 7 | 12.557114 | 172.30.102.51 | 172.30.102.11 | TCP | 1641 |
| 8 | 12.557122 | 172.30.102.51 | 172.30.102.11 | TCP | 1641 |
| 9 | 12.557193 | 172.30.102.11 | 172.30.102.51 | TCP | 181 |
| 10 | 12.558046 | 172.30.102.51 | 172.30.102.11 | TCP | 1641 |
| 11 | 12.558051 | 172.30.102.51 | 172.30.102.11 | HTTP | 1604 |

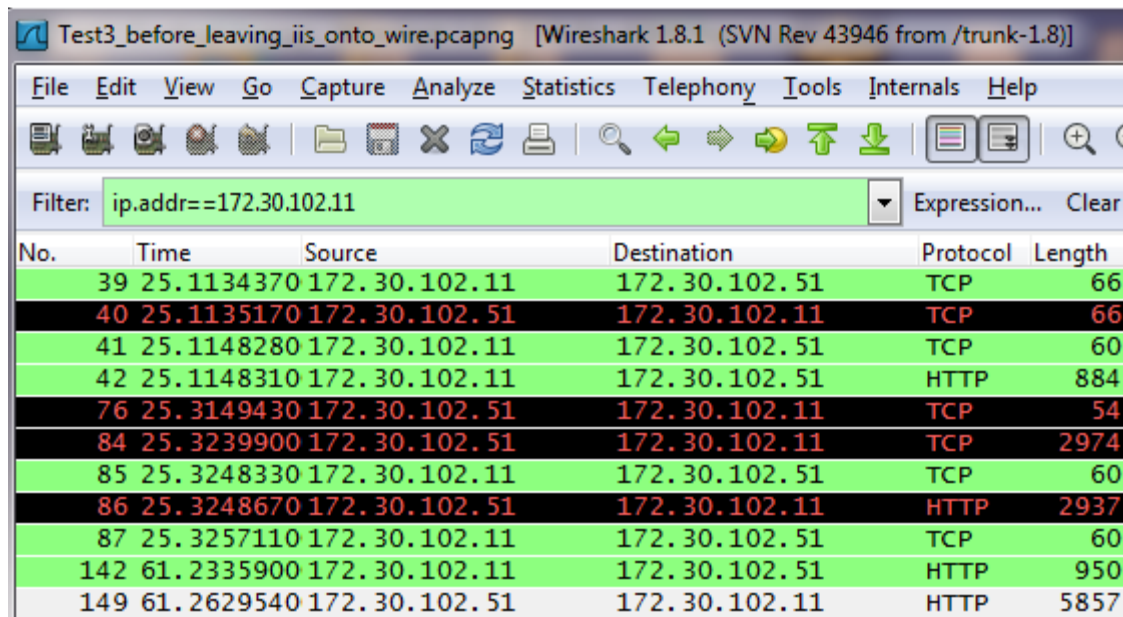
Figure 9

```
Frame 11: 1604 bytes on wire (12832 bits), 1604 bytes captured (12832 bits)
Ethernet II, Src: vmware_80:6c:83 (00:50:56:80:6c:83), Dst: vmware_80:70:d9 (00:50:56:80:70:d9)
Internet Protocol Version 4, Src: 172.30.102.51 (172.30.102.51), Dst: 172.30.102.11 (172.30.102.11)
Transmission Control Protocol, Src Port: http (80), Dst Port: 55080 (55080), Seq: 4381, Ack: 831, Len: 1423
[4 Reassembled TCP Segments (5803 bytes): #7(1460), #8(1460), #10(1460), #11(1423)]
Hypertext Transfer Protocol
  HTTP/1.1 200 OK\r\n
  Cache-Control: private\r\n
  Content-Type: text/html; charset=utf-8\r\n
  Content-Encoding: gzip\r\n
  Vary: Accept-Encoding\r\n
  Server: Microsoft-IIS/7.5\r\n
  X-AspNet-Version: 4.0.30319\r\n
  Set-Cookie: ncmjBtest=Name=imamjbcookietest; expires=Fri, 26-Jul-2013 15:45:56 GMT; path=/\r\n
  X-Powered-By: ASP.NET\r\n
  Date: Fri, 26 Jul 2013 15:43:56 GMT\r\n
  Content-Length: 5443\r\n
  \r\n
  Content-encoded entity body (gzip): 5443 bytes [Error: Decompression failed]
```

Figure 10

TEST 3: F5 and IIS Not Co-resident - Everything Works Fine

Data Leaving IIS before hitting wire (from IIS's perspective)



The image shows a Wireshark capture window titled "Test3_before_leaving_iis_onto_wire.pcapng [Wireshark 1.8.1 (SVN Rev 43946 from /trunk-1.8)]". The menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Tools, Internals, and Help. The toolbar contains various icons for file operations, capture control, and analysis. The filter bar shows "ip.addr==172.30.102.11". The packet list pane displays the following data:

| No. | Time | Source | Destination | Protocol | Length |
|-----|------------|---------------|---------------|----------|--------|
| 39 | 25.1134370 | 172.30.102.11 | 172.30.102.51 | TCP | 66 |
| 40 | 25.1135170 | 172.30.102.51 | 172.30.102.11 | TCP | 66 |
| 41 | 25.1148280 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 42 | 25.1148310 | 172.30.102.11 | 172.30.102.51 | HTTP | 884 |
| 76 | 25.3149430 | 172.30.102.51 | 172.30.102.11 | TCP | 54 |
| 84 | 25.3239900 | 172.30.102.51 | 172.30.102.11 | TCP | 2974 |
| 85 | 25.3248330 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 86 | 25.3248670 | 172.30.102.51 | 172.30.102.11 | HTTP | 2937 |
| 87 | 25.3257110 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 142 | 61.2335900 | 172.30.102.11 | 172.30.102.51 | HTTP | 950 |
| 149 | 61.2629540 | 172.30.102.51 | 172.30.102.11 | HTTP | 5857 |

Figure 11

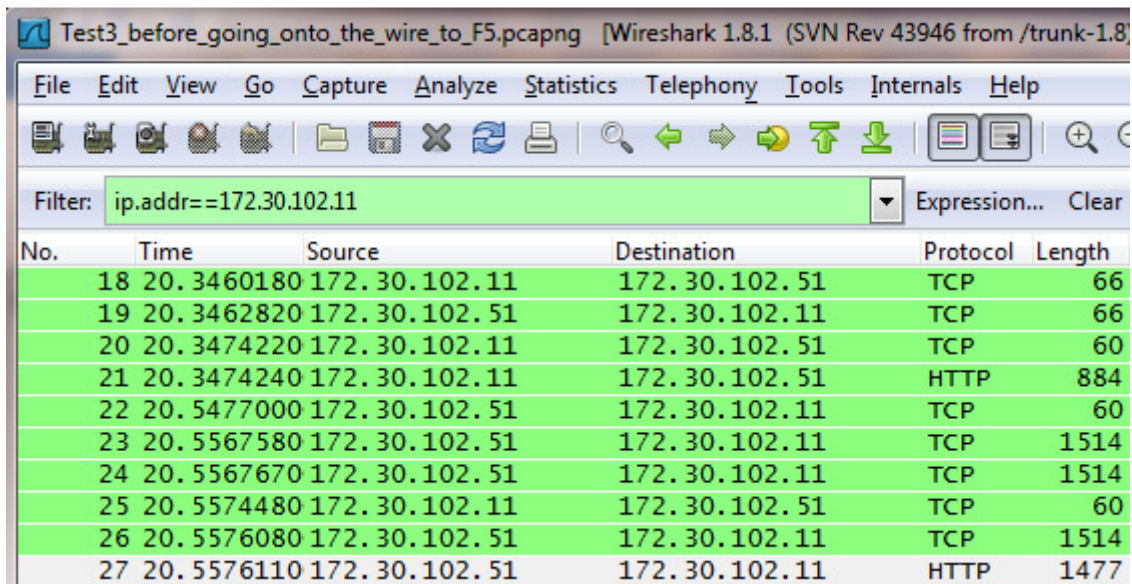
```

* Frame 149: 5857 bytes on wire (46856 bits), 5857 bytes captured (46856 bits) on interface 0
* Ethernet II, Src: Vmware_80:6c:83 (00:50:56:80:6c:83), Dst: Vmware_80:70:d9 (00:50:56:80:70:d9)
* Internet Protocol Version 4, Src: 172.30.102.51 (172.30.102.51), Dst: 172.30.102.11 (172.30.102.11)
* Transmission Control Protocol, Src Port: http (80), Dst Port: 55300 (55300), Seq: 5804, Ack: 1727, Len: 5803
* Hypertext Transfer Protocol
  * HTTP/1.1 200 OK\r\n
    Cache-Control: private\r\n
    Content-Type: text/html; charset=utf-8\r\n
    Content-Encoding: gzip\r\n
    Vary: Accept-Encoding\r\n
    Server: Microsoft-IIS/7.5\r\n
    X-AspNet-Version: 4.0.30319\r\n
    Set-Cookie: ncMJBtest=Name=imamjbcookietest; expires=Fri, 26-Jul-2013 15:57:45 GMT; path=/\r\n
    X-Powered-By: ASP.NET\r\n
    Date: Fri, 26 Jul 2013 15:55:45 GMT\r\n
  * Content-Length: 5443\r\n
  \r\n
  Content-encoded entity body (gzip): 5443 bytes -> 14940 bytes
* Line-based text data: text/html

```

Figure 12

Data, as seen from the perspective of the 1000v, before leaving wire to F5



The image shows a Wireshark capture window with the title "Test3_before_going_onto_the_wire_to_F5.pcapng [Wireshark 1.8.1 (SVN Rev 43946 from /trunk-1.8.1)]". The menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Tools, Internals, and Help. The toolbar contains various icons for file operations, capture control, and analysis. The filter bar shows "Filter: ip.addr==172.30.102.11". The packet list pane displays the following data:

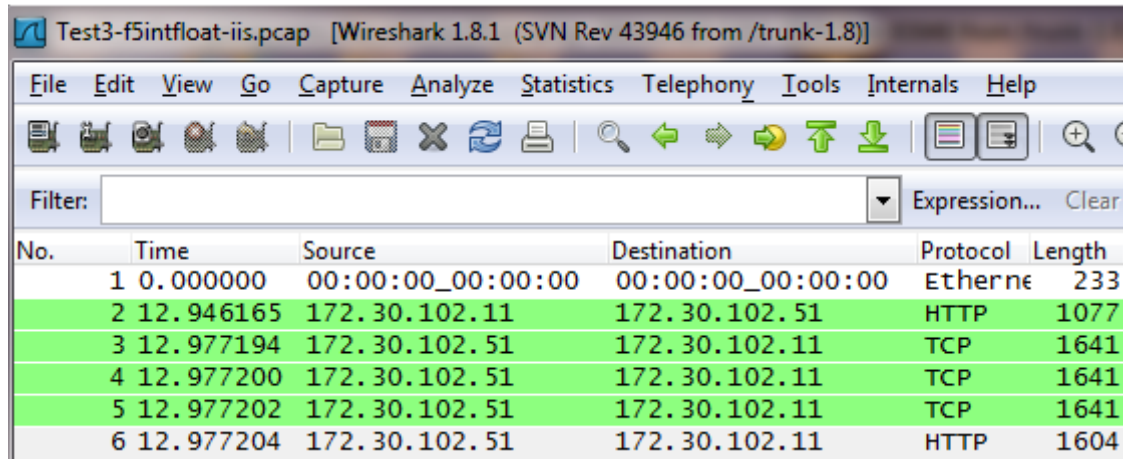
| No. | Time | Source | Destination | Protocol | Length |
|-----|------------|---------------|---------------|----------|--------|
| 18 | 20.3460180 | 172.30.102.11 | 172.30.102.51 | TCP | 66 |
| 19 | 20.3462820 | 172.30.102.51 | 172.30.102.11 | TCP | 66 |
| 20 | 20.3474220 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 21 | 20.3474240 | 172.30.102.11 | 172.30.102.51 | HTTP | 884 |
| 22 | 20.5477000 | 172.30.102.51 | 172.30.102.11 | TCP | 60 |
| 23 | 20.5567580 | 172.30.102.51 | 172.30.102.11 | TCP | 1514 |
| 24 | 20.5567670 | 172.30.102.51 | 172.30.102.11 | TCP | 1514 |
| 25 | 20.5574480 | 172.30.102.11 | 172.30.102.51 | TCP | 60 |
| 26 | 20.5576080 | 172.30.102.51 | 172.30.102.11 | TCP | 1514 |
| 27 | 20.5576110 | 172.30.102.51 | 172.30.102.11 | HTTP | 1477 |

Figure 13


```
⊕ Frame 27: 1477 bytes on wire (11816 bits), 1477 bytes captured (11816 bits) on interface 0
⊕ Ethernet II, Src: Vmware_80:6c:83 (00:50:56:80:6c:83), Dst: Vmware_80:70:d9 (00:50:56:80:70:d9)
⊕ Internet Protocol Version 4, Src: 172.30.102.51 (172.30.102.51), Dst: 172.30.102.11 (172.30.102.11)
⊕ Transmission Control Protocol, Src Port: http (80), Dst Port: 55300 (55300), Seq: 4381, Ack: 831, Len: 1423
⊕ [4 Reassembled TCP Segments (5803 bytes): #23(1460), #24(1460), #26(1460), #27(1423)]
⊖ Hypertext Transfer Protocol
  ⊕ HTTP/1.1 200 OK\r\n
    Cache-Control: private\r\n
    Content-Type: text/html; charset=utf-8\r\n
    Content-Encoding: gzip\r\n
    Vary: Accept-Encoding\r\n
    Server: Microsoft-IIS/7.5\r\n
    X-AspNet-Version: 4.0.30319\r\n
    Set-Cookie: ncMJBtest=Name=imamjbcokietest; expires=Fri, 26-Jul-2013 15:57:09 GMT; path=/\r\n
    X-Powered-By: ASP.NET\r\n
    Date: Fri, 26 Jul 2013 15:55:09 GMT\r\n
  ⊕ Content-Length: 5443\r\n
    \r\n
    Content-encoded entity body (gzip): 5443 bytes -> 14940 bytes
⊕ Line-based text data: text/html
```

Figure 14

Data hitting F5's inside interface (from F5's perspective)



Test3-f5intfloat-iis.pcap [Wireshark 1.8.1 (SVN Rev 43946 from /trunk-1.8)]

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Filter: Expression... Clear

| No. | Time | Source | Destination | Protocol | Length |
|-----|-----------|-------------------|-------------------|----------|--------|
| 1 | 0.000000 | 00:00:00_00:00:00 | 00:00:00_00:00:00 | Etherne | 233 |
| 2 | 12.946165 | 172.30.102.11 | 172.30.102.51 | HTTP | 1077 |
| 3 | 12.977194 | 172.30.102.51 | 172.30.102.11 | TCP | 1641 |
| 4 | 12.977200 | 172.30.102.51 | 172.30.102.11 | TCP | 1641 |
| 5 | 12.977202 | 172.30.102.51 | 172.30.102.11 | TCP | 1641 |
| 6 | 12.977204 | 172.30.102.51 | 172.30.102.11 | HTTP | 1604 |

Figure 15

```
Frame 6: 1604 bytes on wire (12832 bits), 1604 bytes captured (12832 bits)
Ethernet II, Src: Vmware_80:6c:83 (00:50:56:80:6c:83), Dst: Vmware_80:70:d9 (00:50:56:80:70:d9)
Internet Protocol Version 4, Src: 172.30.102.51 (172.30.102.51), Dst: 172.30.102.11 (172.30.102.11)
Transmission Control Protocol, Src Port: http (80), Dst Port: 55300 (55300), Seq: 4381, Ack: 897, Len: 1423
[4 Reassembled TCP Segments (5803 bytes): #3(1460), #4(1460), #5(1460), #6(1423)]
Hypertext Transfer Protocol
  HTTP/1.1 200 OK\r\n
    Cache-Control: private\r\n
    Content-Type: text/html; charset=utf-8\r\n
    Content-Encoding: gzip\r\n
    Vary: Accept-Encoding\r\n
    Server: Microsoft-IIS/7.5\r\n
    X-AspNet-Version: 4.0.30319\r\n
    Set-Cookie: ncmjBtest=Name=imamjbcokietest; expires=Fri, 26-Jul-2013 15:57:45 GMT; path=/\r\n
    X-Powered-By: ASP.NET\r\n
    Date: Fri, 26 Jul 2013 15:55:45 GMT\r\n
  Content-Length: 5443\r\n
  \r\n
  Content-encoded entity body (gzip): 5443 bytes -> 14940 bytes
Line-based text data: text/html
```

Figure 16