

APÉNDICE

Datos correspondientes a la CAPTURA:

Volcado de pantalla:

```
C:\Users\jose>ftp www.co.com
Connected to www.cogtm.nsatc.net.
220 g4u1138.houston.co.com FTP server (co.com version wco02s_p1)
ready.
User (www.cogtm.nsatc.net:(none)): anonymous
331 Guest login ok, send your complete e-mail address as
password.
Password:
230 Guest login ok, access restrictions apply.
ftp> dir
200 PORT command successful.
150 Opening ASCII mode data connection for /bin/ls.
total 8
drwxr-xr-x 16 32227 4436 1024 May 6 20:34 .
drwxr-xr-x 16 32227 4436 1024 May 6 20:34 ..
drwxr-xr-x 2 2 2 96 Nov 21 2008 bin
drwxrwxr-x 2 32226 4436 1024 May 12 2009 control
drwxrwxr-x 2 32227 4436 96 Sep 14 2007 dist
dr-xr-xr-x 4 0 3 1024 Sep 23 2003 etc
drwxr-xr-x 5 32227 4436 96 Mar 6 2009 ftp1
drwxr-xr-x 5 32227 4436 96 Mar 6 2009 ftp2
drwxr-xr-x 5 32227 4436 96 Mar 6 2009 ftp3
drwxr-xr-x 4 32227 4436 96 Apr 5 2009 ftp4
drwxr-xr-x 4 32227 4436 96 Sep 10 2009 ftp5
drwxr-xr-x 4 32227 4436 96 Sep 10 2009 ftp6
drwxrwxr-x 4 32227 4436 96 May 7 19:17 ftp7
drwxrwxr-x 4 32227 4436 96 May 7 19:17 ftp8
drwxr-xr-x 2 0 0 96 Mar 2 2009
lost+found
lrwxrwxr-x 1 32227 4436 8 Mar 6 2009 pub ->
ftp1/pub
lrwxrwxr-x 1 32227 4436 9 Mar 6 2009 save ->
ftp1/save
dr-xr-xr-x 4 2 2 96 Nov 21 2008 usr
226 Transfer complete.
ftp: 1186 bytes received in 0,01seconds 237,20Kbytes/sec.
ftp> quit
221-You have transferred 0 bytes in 0 files.
221-Total traffic for this session was 1593 bytes in 1 transfers.
221-Thank you for using the FTP service on
g4u1138.houston.co.com.
221 Goodbye.

C:\Users\jose>ftp www.co.com
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### Traza correspondiente:

No.	Time	Source	Destination	Protocol	Info
1	0.000000	16.38.10.126	15.201.57.23	TCP	59830 > ftp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=2
Frame 1 (66 bytes on wire, 66 bytes captured) Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66) Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23) Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 0, Len: 0					
2	0.139290	15.201.57.23	16.38.10.126	TCP	ftp > 59830 [SYN, ACK] Seq=0 Ack=8192 Win=0 Len=0 MSS=1380 WS=0
Frame 2 (66 bytes on wire, 66 bytes captured) Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53) Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126) Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 0, Ack:ASENT, Len: 0					
3	0.139361	16.38.10.126	15.201.57.23	TCP	59830 > ftp [ACK] Seq=1 Ack=1 Win=8192 Len=0
Frame 3 (54 bytes on wire, 54 bytes captured) Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66) Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23) Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 1, Ack: 1, Len: 0					
4	0.289330	15.201.57.23	16.38.10.126	FTP	Response: 220 g4ul138.houston.co.com FTP server (co.com version wco02s_p1) ready.
Frame 4 (127 bytes on wire, 127 bytes captured) Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53) Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126) Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 1, Ack: 1, Len:LENGTH File Transfer Protocol (FTP)					
5	0.489365	16.38.10.126	15.201.57.23	TCP	59830 > ftp [ACK] Seq=1 Ack=74 Win=8116 Len=0
Frame 5 (54 bytes on wire, 54 bytes captured) Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66) Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23) Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 1, Ack: 74, Len: 0					
6	11.807442	16.38.10.126	15.201.57.23	FTP	Request: USER anonymous
Frame 6 (70 bytes on wire, 70 bytes captured) Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66) Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126) Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 1, Ack: 74, Len: 16 File Transfer Protocol (FTP)					
7	11.947994	15.201.57.23	16.38.10.126	FTP	Response: 331 Guest login ok, send your complete e-mail address as password.
Frame 7 (122 bytes on wire, 122 bytes captured) Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53) Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126) Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 74, Ack: 17, Len: 68 File Transfer Protocol (FTP)					
8	12.142083	16.38.10.126	15.201.57.23	TCP	59830 > ftp [ACK] Seq=17 Ack=142 Win=8048 Len=0
Frame 8 (54 bytes on wire, 54 bytes captured) Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66) Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23) Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 17, Ack: 142, Len: 0					

No.	Time	Source	Destination	Protocol	Info
9	24.904079	16.38.10.126	15.201.57.23	FTP	Request: PASS jose.tomas@co.com
<p>Frame 9 (78 bytes on wire, 78 bytes captured)</p> <p>Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66)</p> <p>Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23)</p> <p>Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 17, Ack: 142, Len: 24</p> <p>File Transfer Protocol (FTP)</p>					
No.	Time	Source	Destination	Protocol	Info
10	25.042723	15.201.57.23	16.38.10.126	FTP	Response: 230 Guest login ok, access restrictions apply.
<p>Frame 10 (102 bytes on wire, 102 bytes captured)</p> <p>Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53)</p> <p>Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126)</p> <p>Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 142, Ack: 41, Len: 48</p> <p>File Transfer Protocol (FTP)</p>					
No.	Time	Source	Destination	Protocol	Info
11	25.237781	16.38.10.126	15.201.57.23	TCP	59830 > ftp [ACK] Seq=41 Ack=190 Win=8000 Len=0
<p>Frame 11 (54 bytes on wire, 54 bytes captured)</p> <p>Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66)</p> <p>Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23)</p> <p>Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 41, Ack: 190, Len: 0</p>					
No.	Time	Source	Destination	Protocol	Info
12	31.864992	16.38.10.126	15.201.57.23	FTP	Request: PORT
<p>16,38,10,126,233,184</p> <p>Frame 12 (81 bytes on wire, 81 bytes captured)</p> <p>Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66)</p> <p>Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23)</p> <p>Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 41, Ack: 190, Len: 27</p> <p>File Transfer Protocol (FTP)</p>					
No.	Time	Source	Destination	Protocol	Info
13	32.002171	15.201.57.23	16.38.10.126	FTP	Response: 200 PORT command successful.
<p>Frame 13 (84 bytes on wire, 84 bytes captured)</p> <p>Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53)</p> <p>Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126)</p> <p>Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 190, Ack: 68, Len: 30</p> <p>File Transfer Protocol (FTP)</p>					
No.	Time	Source	Destination	Protocol	Info
14	32.006899	16.38.10.126	15.201.57.23	FTP	Request: LIST
<p>Frame 14 (60 bytes on wire, 60 bytes captured)</p> <p>Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66)</p> <p>Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23)</p> <p>Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 68, Ack: 220, Len: 6</p> <p>File Transfer Protocol (FTP)</p>					
No.	Time	Source	Destination	Protocol	Info
15	32.209137	15.201.57.23	16.38.10.126	TCP	ftp > 59830 [ACK] Seq=220 Ack=74 Win=32768 Len=0
<p>Frame 15 (60 bytes on wire, 60 bytes captured)</p> <p>Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53)</p> <p>Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126)</p> <p>Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 220, Ack: 74, Len: 0</p>					
No.	Time	Source	Destination	Protocol	Info
16	32.329145	15.201.57.23	16.38.10.126	FTP	Response: 150 Opening ASCII mode data connection for /bin/ls.
<p>Frame 16 (107 bytes on wire, 107 bytes captured)</p> <p>Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53)</p> <p>Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126)</p> <p>Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 220, Ack: 74, Len: 53</p> <p>File Transfer Protocol (FTP)</p>					
No.	Time	Source	Destination	Protocol	Info
17	32.522193	16.38.10.126	15.201.57.23	TCP	59830 > ftp [ACK] Seq=74 Ack=273 Win=7920 Len=0
<p>Frame 17 (54 bytes on wire, 54 bytes captured)</p> <p>Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66)</p> <p>Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23)</p> <p>Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 74, Ack: 273, Len: 0</p>					

No.	Time	Source	Destination	Protocol	Info
18	32.658170	15.201.57.23	16.38.10.126	FTP	Response: 226 Transfer complete.
Frame 18 (78 bytes on wire, 78 bytes captured) Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53) Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126) Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 273, Ack: 74, Len: 24 File Transfer Protocol (FTP)					
No.	Time	Source	Destination	Protocol	Info
19	32.852214	16.38.10.126	15.201.57.23	TCP	59830 > ftp [ACK] Seq=74 Ack=297 Win=7896 Len=0
Frame 19 (54 bytes on wire, 54 bytes captured) Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66) Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23) Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 74, Ack: 297, Len: 0					
No.	Time	Source	Destination	Protocol	Info
20	38.000494	16.38.10.126	15.201.57.23	FTP	Request: QUIT
Frame 20 (60 bytes on wire, 60 bytes captured) Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66) Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23) Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 74, Ack: 297, Len: 6 File Transfer Protocol (FTP)					
No.	Time	Source	Destination	Protocol	Info
21	38.137497	15.201.57.23	16.38.10.126	FTP	Response: 221-You have transferred 0 bytes in 0 files.
Frame 21 (100 bytes on wire, 100 bytes captured) Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53) Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126) Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 297, Ack: 80, Len: 46 File Transfer Protocol (FTP)					
No.	Time	Source	Destination	Protocol	Info
22	38.328587	16.38.10.126	15.201.57.23	TCP	59830 > ftp [ACK] Seq=80 Ack=343 Win=7848 Len=0
Frame 22 (54 bytes on wire, 54 bytes captured) Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66) Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23) Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 80, Ack: 343, Len: 0					
No.	Time	Source	Destination	Protocol	Info
23	38.465480	15.201.57.23	16.38.10.126	FTP	Response: 221-Total traffic for this session was 1593 bytes in 1 transfers.
Frame 23 (203 bytes on wire, 203 bytes captured) Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53) Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126) Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 343, Ack: 80, Len: 149					
No.	Time	Source	Destination	Protocol	Info
24	38.465585	16.38.10.126	15.201.57.23	TCP	59830 > ftp [ACK] Seq=80 Ack=493 Win=7700 Len=0
Frame 24 (54 bytes on wire, 54 bytes captured) Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66) Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23) Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 80, Ack: 493, Len: 0					
No.	Time	Source	Destination	Protocol	Info
25	38.474484	16.38.10.126	15.201.57.23	TCP	59830 > ftp [FIN, ACK] Seq=80 Ack=493 Win=7700 Len=0
Frame 25 (54 bytes on wire, 54 bytes captured) Ethernet II, Src: CompnyP_d2:be:53 (18:a9:05:d2:be:53), Dst: All-HSRP-routers_66 (00:00:0c:07:ac:66) Internet Protocol, Src: 16.38.10.126 (16.38.10.126), Dst: 15.201.57.23 (15.201.57.23) Transmission Control Protocol, Src Port: 59830 (59830), Dst Port: ftp (21), Seq: 80, Ack: 493, Len: 0					
No.	Time	Source	Destination	Protocol	Info
26	38.613509	15.201.57.23	16.38.10.126	TCP	ftp > 59830 [ACK] Seq=493 Ack=81 Win=32768 Len=0
Frame 26 (60 bytes on wire, 60 bytes captured) Ethernet II, Src: Cisco_eb:9f:c2 (00:11:bb:eb:9f:c2), Dst: CompnyP_d2:be:53 (18:a9:05:d2:be:53) Internet Protocol, Src: 15.201.57.23 (15.201.57.23), Dst: 16.38.10.126 (16.38.10.126) Transmission Control Protocol, Src Port: ftp (21), Dst Port: 59830 (59830), Seq: 493, Ack: 81, Len: 0					