

571	94.019876	192.168.1.7	149.154.167.91	HTTP	544	HTTP/1.1 200 OK (text/html)
577	94.127451	149.154.167.91	192.168.1.7	HTTP	118	POST /api HTTP/1.1 (application/x-www-form-urlencoded)
669	109.513247	192.168.1.7	149.154.164.250	HTTP	309	HTTP/1.1 200 OK (application/octet-stream)
821	138.951342	192.168.1.7	128.119.245.12	HTTP	298	POST /api HTTP/1.1 (application/x-www-form-urlencoded)
825	139.177090	128.119.245.12	192.168.1.7	HTTP	641	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1
896	146.504060	192.168.1.7	149.154.164.250	HTTP	544	HTTP/1.1 200 OK (text/html)
900	146.514053	192.168.1.7	149.154.164.250	HTTP	258	POST /api HTTP/1.1 (application/x-www-form-urlencoded)
				HTTP	302	POST /api HTTP/1.1 (application/x-www-form-urlencoded)

Frame 473: 544 bytes on wire (4352 bits), 544 bytes captured (4352 bits) on interface \Device\NPF\_{D83A6333-B284-4F11-9...  
 Ethernet II, Src: zte\_a9:b3:64 (50:78:b3:a9:b3:64), Dst: de:68:2b:79:a4:3a (de:68:2b:79:a4:3a)  
 Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.7

0100 .... = Version: 4  
 .... 0101 = Header Length: 20 bytes (5)  
 > Differentiated Services Field: 0x28 (DSCP: AF11, ECN: Not-ECT)  
 Total Length: 530  
 Identification: 0x80cb (32971)  
 > 010. .... = Flags: 0x2, Don't fragment  
 ...0 0000 0000 0000 = Fragment Offset: 0  
 Time to Live: 44  
 Protocol: TCP (6)  
 Header Checksum: 0x94bf [validation disabled]  
 [Header checksum status: Unverified]  
 Source Address: 128.119.245.12  
 Destination Address: 192.168.1.7  
 [Stream index: 2]

> Transmission Control Protocol, Src Port: 80, Dst Port: 55220, Seq: 1, Ack: 588, Len: 490  
 > Hypertext Transfer Protocol

> HTTP/1.1 200 OK\r\n  
 Date: Sun, 20 Oct 2024 16:04:28 GMT\r\n  
 Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod\_perl/2.0.11 Perl/v5.16.3\r\n  
 Last-Modified: Sun, 20 Oct 2024 05:59:02 GMT\r\n  
 ETag: "84-624e23ba474e9"\r\n  
 Accept-Ranges: bytes\r\n  
 > Content-Length: 132\r\n  
 Keep-Alive: timeout=5, max=100\r\n  
 Connection: Keep-Alive\r\n  
 Content-Type: text/html; charset=UTF-8\r\n  
 \r\n  
 [Request in frame: 451]  
 [Time since request: 1.980439000 seconds]  
 [Request URI: /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html]  
 [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/protected\_pages/HTTP-wireshark-file5.html]

```

0000 de 68 2b 79 a4 3a 50 78 b3 a9 b3 64 08 00 45 28 -hty-
0010 02 12 80 cb 40 00 2c 06 94 bf 80 77 f5 0c c0 a8 ---P-
0020 01 07 00 50 d7 b4 1b 4e ff a8 55 f6 0b 30 50 18 ...P-
0030 00 ee 59 91 00 00 48 54 54 50 2f 31 2e 31 20 32 --Y-
0040 30 30 20 4f 4b 0d 0a 44 61 74 65 3a 20 53 75 6e 00 CM
0050 2c 20 32 30 20 4f 63 74 20 32 30 32 34 20 31 36 , 20
0060 3a 30 34 3a 32 38 20 47 4d 54 0d 0a 53 65 72 76 :04:1
0070 65 72 3a 20 41 70 61 63 68 65 2f 32 2e 34 2e 36 er: A
0080 20 28 43 65 6e 74 4f 53 29 20 4f 70 65 6e 53 53 (Cer
0090 4c 2f 31 2e 30 2e 32 6b 2d 66 69 70 73 20 50 48 L/1.0
00a0 50 2f 37 2e 34 2e 33 33 20 6d 6f 64 5f 70 65 72 P/7.4
00b0 6c 2f 32 2e 30 2e 31 31 20 50 65 72 6c 2f 76 35 l/2.0
00c0 2e 31 36 2e 33 0d 0a 4c 61 73 74 2d 4d 6f 64 69 .16.
00d0 66 69 65 64 3a 20 53 75 6e 2c 20 32 30 20 4f 63 fied
00e0 74 20 32 30 32 34 20 30 35 3a 35 39 3a 30 32 20 t 20
00f0 47 4d 54 0d 0a 45 54 61 67 3a 20 22 38 34 2d 36 GMT-
0100 32 34 65 32 33 62 61 34 37 34 65 39 22 0d 0a 41 24e2
0110 63 63 65 70 74 2d 52 61 6e 67 65 73 3a 20 62 79 ccep
0120 74 65 73 0d 0a 43 6f 6e 74 65 6e 74 2d 4c 65 6e tes-
0130 67 74 68 3a 20 31 33 32 0d 0a 4b 65 65 70 2d 41 gth:
0140 6c 69 76 65 3a 20 74 69 6d 65 6f 75 74 3d 35 2c live
0150 20 6d 61 78 3d 31 30 30 0d 0a 43 6f 6e 6e 65 63 max
0160 74 69 6f 6e 3a 20 4b 65 65 70 2d 41 6c 69 76 65 tion
0170 0d 0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65 3a 20 -Co
0180 74 65 78 74 2f 68 74 6d 6c 3b 20 63 68 61 72 73 text
0190 65 74 3d 55 54 46 2d 38 0d 0a 0d 0a 0a 3c 68 74 et-U
01a0 6d 6c 3e 0a 0a 54 68 69 73 20 70 61 67 65 20 69 mly>
01b0 73 20 70 61 73 73 77 6f 72 64 20 70 72 6f 74 65 s pa
01c0 63 74 65 64 21 20 20 49 66 20 79 6f 75 27 72 65 cted
01d0 20 73 65 65 60 60 67 30 74 68 60 73 30 30 70 66
01e0
01f0
0200
0210

```

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Hypertext Transfer Protocol: Protocol

Type here to search





Frame 1315: 559 bytes on wire (4472 bits), 559 bytes captured (4472 bits) on interface \Device\NPF\_{083A6333-B284-4F11-  
Ethernet II, Src: zte\_a9:b3:64 (50:78:b3:a9:b3:64), Dst: de:68:2b:79:a4:3a (de:68:2b:79:a4:3a)  
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.7

0100 .... = Version: 4

.... 0101 = Header Length: 20 bytes (5)

> Differentiated Services Field: 0x28 (DSCP: AF11, ECN: Not-ECT)

Total Length: 545

Identification: 0xbfb1 (49073)

> 010. .... = Flags: 0x2, Don't fragment

...0 0000 0000 0000 = Fragment Offset: 0

Time to live: 44

Protocol: TCP (6)

Header Checksum: 0x55ca [validation disabled]

[Header checksum status: Unverified]

Source Address: 128.119.245.12

Destination Address: 192.168.1.7

[Stream index: 6]

> Transmission Control Protocol, Src Port: 80, Dst Port: 55114, Seq: 4357, Ack: 487, Len: 505

> [2 Reassembled TCP Segments (4861 bytes): #1313(4356), #1315(505)]

> Hypertext Transfer Protocol

> Line-based text data: text/html (98 lines)

<html><head> \n

<title>Historical Documents:THE BILL OF RIGHTS</title></head>\n

\n

\n

<body bgcolor="#ffffff" link="#330000" vlink="#666633">\n

<p><br>\n

</p>\n

<p></p><center><b>THE BILL OF RIGHTS</b><br>\n

<em>Amendments 1-10 of the Constitution</em>\n

</center>\n

\n

<p>The Conventions of a number of the States having, at the time of adopting\n

the Constitution, expressed a desire, in order to prevent misconstruction\n

Line-based text data (data-text-lines), 4,500 bytes

0160 55 54 46 2d 18 0d 0a 0d 0a 7c 08 74 00 00  
0170 08 05 01 04 3e 20 0a 3c 74 08 74 00 00 00  
0180 73 74 0f 72 09 03 01 0c 20 4a 0f 03 75 00  
0190 74 73 3a 5d 48 45 20 42 49 4c 4c 20 3f 40  
01a0 49 47 48 54 53 3c 2f 74 09 74 0c 05 3e 30  
01b0 05 01 04 3e 0a 0a 0a 3c 62 0f 04 79 20 00  
01c0 0f 0c 0f 72 3d 22 23 66 0d 0d 0d 0d 0d 0d  
01d0 09 0e 0b 3d 22 23 33 33 30 30 30 30 21 00  
01e0 09 0e 0b 3d 22 23 36 36 30 30 33 33 22 00  
01f0 70 3e 3c 62 72 3e 0a 3c 2f 70 3e 0a 3c 00  
0200 2f 70 3e 3c 63 05 0e 74 05 72 3e 3c 62 00  
0210 45 20 42 49 4c 4c 20 4f 46 20 52 49 47 00  
0220 3c 2f 62 3e 3c 62 72 3e 0a 20 20 3c 05 00  
0230 0d 05 0e 04 0d 05 0e 74 73 20 31 20 31 00  
0240 06 20 74 68 05 20 43 0f 0e 73 74 05 74 00  
0250 0f 0e 3c 2f 05 0d 3e 0a 3c 2f 03 0f 0e 00  
0260 3e 0a 0a 3c 70 3e 54 00 05 20 43 0f 0e 00  
0270 74 09 0f 0e 73 20 0f 0d 20 01 20 0e 75 00  
0280 72 20 0f 0d 20 74 68 05 20 53 74 01 74 00  
0290 08 01 76 09 0e 07 3c 20 01 74 20 74 08 00  
02a0 09 0d 05 20 0f 0d 20 01 04 0f 70 74 09 00  
02b0 74 08 05 20 43 0f 0e 73 74 09 74 75 74 00  
02c0 2c 20 05 78 70 72 05 73 73 05 04 20 01 00  
02d0 73 09 72 05 2c 20 09 0e 20 0f 72 04 0f 00  
02e0 0f 20 70 72 05 76 05 0e 74 20 0d 09 73 00  
02f0 73 74 72 75 03 74 09 0f 0e 0a 0f 72 20 00  
0300 73 05 20 0f 0d 20 09 74 73 20 70 0f 00 00  
0310 2c 20 74 68 01 74 20 0d 75 72 74 68 00 00  
0320 05 03 0c 01 72 01 74 0f 72 79 20 01 00 00  
0330 05 73 74 73 0d 03 74 0d 70 05 20 03 00 00

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A





No.	Time	Source	Destination	Protocol	Length	Info
793	12.512045	192.168.1.7	128.119.245.12	HTTP	540	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
885	12.655537	128.119.245.12	192.168.1.7	HTTP	784	HTTP/1.1 200 OK (text/html)

Frame 885: 784 bytes on wire (6272 bits), 784 bytes captured (6272 bits) on interface \Device\NPF\_{D83A6333-B284-4F11-9626-Ethernet II, Src: zte\_a9:b3:64 (50:78:b3:a9:b3:64), Dst: de:68:2b:79:a4:3a (de:68:2b:79:a4:3a)  
 Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.7

0100 .... = Version: 4  
 .... 0101 = Header Length: 20 bytes (5)  
 > Differentiated Services Field: 0x28 (DSCP: AF11, ECN: Not-ECT)  
 Total Length: 770  
 Identification: 0x155c (5468)  
 > 010. .... = Flags: 0x2, Don't fragment  
 ...0 0000 0000 0000 = Fragment Offset: 0  
 Time to Live: 43  
 Protocol: TCP (6)  
 Header Checksum: 0x003f [validation disabled]  
 [Header checksum status: Unverified]  
 Source Address: 128.119.245.12  
 Destination Address: 192.168.1.7  
 [Stream index: 4]  
 Transmission Control Protocol, Src Port: 80, Dst Port: 55075, Seq: 1, Ack: 487, Len: 730  
 Hypertext Transfer Protocol  
 Line-based text data: text/html (10 lines)  
 \n  
 <html>\n  
 \n  
 Congratulations again! Now you've downloaded the file lab2-2.html. <br>\n  
 This file's last modification date will not change. <p>\n  
 Thus if you download this multiple times on your browser, a complete copy <br>\n  
 will only be sent once by the server due to the inclusion of the IN-MODIFIED-SINCE<br>\n  
 field in your browser's HTTP GET request to the server.\n  
 \n  
 </html>\n

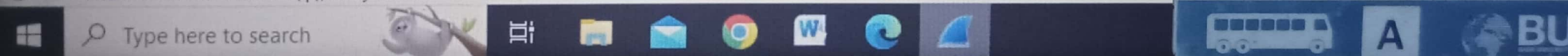
```

0000 de 68 2b 79 a4 3a 50 78 b3 a9 b3 64 08 00 15 5c
0010 01 02 15 5c 40 00 2b 06 00 3f 80 77 15 0c c8 a8
0020 01 07 00 50 d7 23 b3 e1 2e da 27 fd 2c cc 50 18
0030 00 ed 14 e3 00 00 48 54 54 50 2f 31 2e 31 20 32
0040 30 30 20 4f 4b 0d 0a 44 61 74 65 3a 20 53 75 6e
0050 2c 20 32 30 20 4f 63 74 20 32 30 32 34 20 31 35
0060 3a 34 35 3a 33 36 20 47 4d 54 0d 0a 53 65 72 76
0070 65 72 3a 20 41 70 61 63 68 65 2f 32 2e 34 2e 36
0080 20 28 43 65 6e 74 4f 53 29 20 4f 70 65 6e 53 53
0090 4c 2f 31 2e 30 2e 32 6b 2d 66 69 70 73 20 50 48
00a0 50 2f 37 2e 34 2e 33 33 20 6d 6f 64 5f 70 65 72
00b0 6c 2f 32 2e 30 2e 31 31 20 50 65 72 6c 2f 76 35
00c0 2e 31 36 2e 33 0d 0a 4c 61 73 74 2d 4d 6f 64 69
00d0 66 69 65 64 3a 20 53 75 6e 2c 20 32 30 20 4f 63
00e0 74 20 32 30 32 34 20 30 35 3a 35 39 3a 30 32 20
00f0 47 4d 54 0d 0a 45 54 61 67 3a 20 22 31 37 33 2d
0100 36 32 34 65 32 33 62 61 34 36 31 36 31 22 0d 0a
0110 41 63 63 65 70 74 2d 52 61 6e 67 65 73 3a 20 62
0120 79 74 65 73 0d 0a 43 6f 6e 74 65 6e 74 2d 4c 65
0130 6e 67 74 68 3a 20 33 37 31 0d 0a 4b 65 65 70 2d
0140 41 6c 69 76 65 3a 20 74 69 6d 65 6f 75 74 3d 35
0150 2c 20 6d 61 78 3d 31 30 30 0d 0a 43 6f 6e 6e 65
0160 63 74 69 6f 6e 3a 20 4b 65 65 70 2d 41 6c 69 76
0170 65 0d 0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65 3a
0180 20 74 65 78 74 2f 68 74 6d 6c 3b 20 63 68 61 72
0190 73 65 74 3d 55 54 46 2d 38 0d 0a 0d 0a 0a 3c 68
01a0 74 6d 6c 3e 0a 0a 43 6f 6e 67 72 61 74 75 6c 61
01b0 74 69 6f 6e 73 20 61 67 61 69 6e 21 20 20 4e 6f
01c0 77 20 79 6f 75 27 76 65 20 64 6f 77 6e 6c 6f 61
01d0 64 65 64 20 74 68 65 20 66 69 6e 65 20 6e 61 63
01e0 32 2d 32 2e 68 74 6d 6c
01f0 68 69 73 20 66 69 6c 65
0200 6d 6f 64 69 66 69 63 61
0210 65 20 77 69 6c 6c 20 6e
0220 65 2e 20 20 3c 70 3e 0a
0230 20 79 6f 75 20 64 6f 77
0240 69 73 20 6d 75 6c 74 69
0250 73 20 6f 6e 20 79 6f 75
0260 72 2c 20 61 20 63 6f 6d
0270 70 79 20 3c 62 72 3e 0a
0280 79 20 62 65 20 73 65 6e
0290 79 20 74 68 65 20 73 65
02a0 20 74 6f 20 74 68 65 20

```

-h+y-:Px -d-  
 -P-8- -' -P-  
 -----HT TP/1.1 2  
 00 OK--D ate: Sun  
 , 20 Oct 2024 15  
 :45:36 G MT--Serv  
 er: Apac he/2.4.6  
 (CentOS ) OpenSS  
 L/1.0.2k -flps PH  
 P/7.4.33 mod\_per  
 l/2.0.11 Perl/v5  
 .16.3--L ast-Modi  
 fied: Su n, 20 Oc  
 t 2024 0 5:59:02  
 GMT--ETA g: "173-  
 624e23ba 46161"  
 Accept-R anges: b  
 ytes--Co ntent-Le  
 ngth: 37 1-Keep-  
 Alive: t imeout=5  
 , max=10 0--Conne  
 ction: K eep-Alive  
 e--Conte nt-Type:  
 text/ht ml; char  
 set=UTF- 8--ch  
 tml)--Co ngratula  
 tions ag ain! No  
 w you've downloa  
 ded the file lab

Internet Protocol Version 4 (ip), 20 bytes



No.	Time	Source	Destination	Protocol	Length	Info
262	14.907547	2.18.31.98	192.168.1.7	HTTP	241	HTTP/1.1 200 OK (text/plain)
279	14.927705	192.168.1.7	128.119.245.12	HTTP	540	GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
335	15.311906	128.119.245.12	192.168.1.7	HTTP	540	HTTP/1.1 200 OK (text/html)
349	15.478626	192.168.1.7	128.119.245.12	HTTP	486	GET /favicon.ico HTTP/1.1
403	17.292798	128.119.245.12	192.168.1.7	HTTP	538	HTTP/1.1 404 Not Found (text/html)
646	37.966061	192.168.1.7	149.154.167.91	HTTP	342	POST /api HTTP/1.1 (application/x-www-form-urlencoded)
1139	111.686417	192.168.1.7	102.132.97.55	HTTP	59	POST /chat HTTP/1.1

Frame 335: 540 bytes on wire (4320 bits), 540 bytes captured (4320 bits) on interface \Device\NPF\_{D83A6333-B284-4F11-9  
Ethernet II, Src: zte\_a9:b3:64 (50:78:b3:a9:b3:64), Dst: de:68:2b:79:a4:3a (de:68:2b:79:a4:3a)  
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.7

0100 .... = Version: 4  
.... 0101 = Header Length: 20 bytes (5)  
> Differentiated Services Field: 0x28 (DSCP: AF11, ECN: Not-ECT)  
Total Length: 526  
Identification: 0x9bdd (39901)  
> 010. .... = Flags: 0x2, Don't fragment  
...0 0000 0000 0000 = Fragment Offset: 0  
Time to Live: 44  
Protocol: TCP (6)  
Header Checksum: 0x79b1 [validation disabled]  
[Header checksum status: Unverified]  
Source Address: 128.119.245.12  
Destination Address: 192.168.1.7  
[Stream Index: 18]

Transmission Control Protocol, Src Port: 80, Dst Port: 55021, Seq: 1, Ack: 487, Len: 486

Hypertext Transfer Protocol

> HTTP/1.1 200 OK\r\n  
Date: Sun, 20 Oct 2024 15:39:14 GMT\r\n  
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod\_perl/2.0.11 Perl/v5.16.3\r\n  
Last-Modified: Sun, 20 Oct 2024 05:59:02 GMT\r\n  
ETag: "80-624e23ba46931"\r\n  
Accept-Ranges: bytes\r\n  
> Content-Length: 128\r\n  
Keep-Alive: timeout=5, max=100\r\n  
Connection: Keep-Alive\r\n  
Content-Type: text/html; charset=UTF-8\r\n  
\r\n  
[Request in frame: 279]  
[Time since request: 0.384201000 seconds]  
[Request URI: /wireshark-labs/HTTP-wireshark-file1.html]  
[Full request URI: http://gala.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html]

```

0000  de 68 2b 79 a4 3a 50 78 b3 a9 b3 64 08 00 45 28  -+y:
0010  02 0e 9b dd 40 00 2c 06 79 b1 80 77 f5 0c c0 a8  ....@
0020  01 07 00 50 d6 ed 2f e8 fc 2a d5 5d 44 89 50 18  ...P...
0030  00 ed b5 d9 00 00 48 54 54 50 2f 31 2e 31 20 12  ....
0040  30 30 20 4f 4b 0d 0a 44 61 74 65 1a 20 53 75 6e  00 OK
0050  2c 20 32 30 20 4f 63 74 20 32 30 32 34 20 31 35  20 G
0060  3a 33 39 3a 31 34 20 47 40 54 0a 0a 53 65 72 76  39 14
0070  65 72 3a 20 41 70 61 63 68 65 2f 32 2e 34 2e 30  er: Ap
0080  20 28 43 65 6e 74 4f 53 29 20 4f 70 65 6e 53 53  (Cent
0090  4c 2f 31 2e 30 2e 32 6b 2d 66 69 70 73 20 50 48  L/1.0.
00a0  50 2f 37 2e 34 2e 33 33 20 6d 6f 64 5f 70 65 72  P/7.4.
00b0  6c 2f 32 2e 30 2e 31 31 20 50 65 72 6c 2f 76 35  l/2.0.
00c0  2e 31 36 2e 33 0d 0a 4c 61 73 74 20 40 6f 64 69  16.3
00d0  66 69 65 64 3a 20 53 75 6e 2c 20 32 30 20 4f 63  filed: S
00e0  74 20 32 30 32 34 20 30 35 3a 35 39 3a 30 32 20  t 2024
00f0  47 4d 54 0d 0a 45 54 61 67 3a 20 22 38 30 20 30  GMT- ET
0100  32 34 65 32 33 62 61 34 36 39 33 31 22 0d 0a 41  24e23ba
0110  63 63 65 70 74 2d 52 61 6e 67 65 73 3a 20 62 70  cept-R
0120  74 65 73 0d 0a 43 6f 6e 74 65 6e 74 2d 4c 65 6e  tes: Co
0130  67 74 68 3a 20 31 32 38 0d 0a 4b 65 65 70 2d 41  gth: 1
0140  6c 69 76 65 3a 20 74 69 6d 65 6f 75 74 3d 35 2c  live: c
0150  20 6d 61 78 3d 31 30 30 0d 0a 43 6f 6e 6e 65 63  max=10
0160  74 69 6f 6e 3a 20 4b 65 65 70 2d 41 6c 69 70 65  tion: Ke
0170  0d 0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65 3a 20  :Conten
0180  74 65 78 74 2f 68 74 6d 6c 3b 20 63 68 61 72 73  text/bta
0190  65 74 3d 55 54 46 2d 38 0d 0a 0d 0a 3c 68 74 6d  et=UTF-8
01a0  6c 3e 0a 43 6f 6e 67 72 61 74 75 6c 61 74 69 6f  l> Congr
01b0  6e 73 2e 20 20 59 6f 75 27 76 65 20 64 6f 77 6e  ns. You
01c0  6c 6f 61 64 65 64 20 74 68 65 20 66 69 6c 65 20  loaded t
01d0  0a 68 74 74 70 3a 74 74 67 61 60 61 3a 63 73 2a  http://
01e0
01f0
0200
0210

```

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Hypertext Transfer Protocol (http), 358 bytes

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