

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|----------|---------------|----------------|----------|--------|---|
| 150 | 4.377738 | 192.168.1.120 | 128.119.245.12 | HTTP | 548 | GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1 |

Frame 150: 548 bytes on wire (4384 bits), 548 bytes captured (4384 bits) on interface \Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22}, id 0

Section number: 1

Interface id: 0 (\Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22})

Interface name: \Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22}

Interface description: Ethernet

Encapsulation type: Ethernet (1)

Arrival Time: Sep 10, 2024 18:39:56.962435000 RTZ 2 (зима)

UTC Arrival Time: Sep 10, 2024 15:39:56.962435000 UTC

Epoch Arrival Time: 1725982796.962435000

[Time shift for this packet: 0.000000000 seconds]

[Time delta from previous captured frame: 0.000349000 seconds]

[Time delta from previous displayed frame: 0.000000000 seconds]

[Time since reference or first frame: 4.377738000 seconds]

Frame Number: 150

Frame Length: 548 bytes (4384 bits)

Capture Length: 548 bytes (4384 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:tcp:http]

[Coloring Rule Name: HTTP]

[Coloring Rule String: http || tcp.port == 80 || http2]

Ethernet II, Src: Dell_32:9c:43 (60:18:95:32:9c:43), Dst: Routerboardc_b6:77:6e (08:55:31:b6:77:6e)

Destination: Routerboardc_b6:77:6e (08:55:31:b6:77:6e)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: Dell_32:9c:43 (60:18:95:32:9c:43)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

[Stream index: 0]

Internet Protocol Version 4, Src: 192.168.1.120, Dst: 128.119.245.12

0100 = Version: 4

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

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 534

Identification: 0x5ba7 (23463)

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

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

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

Time to Live: 128

Protocol: TCP (6)

Header Checksum: 0x0000 [validation disabled]

[Header checksum status: Unverified]

Source Address: 192.168.1.120

Destination Address: 128.119.245.12

[Stream index: 4]

Transmission Control Protocol, Src Port: 61752, Dst Port: 80, Seq: 1, Ack: 1, Len: 494

Source Port: 61752

Destination Port: 80

[Stream index: 9]

[Stream Packet Number: 4]

[Conversation completeness: Incomplete, DATA (15)]

..0. = RST: Absent

...0 = FIN: Absent

.... 1... = Data: Present

.... .1.. = ACK: Present

.... ..1. = SYN-ACK: Present

.... ...1 = SYN: Present

[Completeness Flags: ..DASS]

[TCP Segment Len: 494]

Sequence Number: 1 (relative sequence number)

Sequence Number (raw): 2231411220

[Next Sequence Number: 495 (relative sequence number)]

Acknowledgment Number: 1 (relative ack number)

Acknowledgment number (raw): 219778549

0101 = Header Length: 20 bytes (5)

Flags: 0x018 (PSH, ACK)

000. = Reserved: Not set

...0 = Accurate ECN: Not set

.... 0... = Congestion Window Reduced: Not set

.... .0.. = ECN-Echo: Not set

.... ..0. = Urgent: Not set

.... ...1 = Acknowledgment: Set

.... 1... = Push: Set

....0.. = Reset: Not set

....0. = Syn: Not set

....0 = Fin: Not set

[TCP Flags:AP....]

Window: 1026

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[Calculated window size: 262656]
[Window size scaling factor: 256]
Checksum: 0x39ad [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
    [Time since first frame in this TCP stream: 0.116710000 seconds]
    [Time since previous frame in this TCP stream: 0.000349000 seconds]
[SEQ/ACK analysis]
    [iRTT: 0.116361000 seconds]
    [Bytes in flight: 494]
    [Bytes sent since last PSH flag: 494]
TCP payload (494 bytes)
Hypertext Transfer Protocol
GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
    Request Method: GET
    Request URI: /wireshark-labs/INTRO-wireshark-file1.html
    Request Version: HTTP/1.1
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
Upgrade-Insecure-Requests: 1\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/128.0.0.0 Safari/537.36\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: ru-RU,ru;q=0.9,en-US;q=0.8,en;q=0.7\r\n
\r\n
[Response in frame: 161]
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
No.    Time    Source    Destination    Protocol Length Info
161 4.498666 128.119.245.12 192.168.1.120 HTTP 492 HTTP/1.1 200 OK (text/html)
Frame 161: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface \Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22})
        Interface name: \Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22}
        Interface description: Ethernet
    Encapsulation type: Ethernet (1)
    Arrival Time: Sep 10, 2024 18:39:57.083363000 RTZ 2 (зима)
    UTC Arrival Time: Sep 10, 2024 15:39:57.083363000 UTC
    Epoch Arrival Time: 1725982797.083363000
    [Time shift for this packet: 0.000000000 seconds]
    [Time delta from previous captured frame: 0.001826000 seconds]
    [Time delta from previous displayed frame: 0.120928000 seconds]
    [Time since reference or first frame: 4.498666000 seconds]
    Frame Number: 161
    Frame Length: 492 bytes (3936 bits)
    Capture Length: 492 bytes (3936 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http:data-text-lines]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: Routerboardc_b6:77:6e (08:55:31:b6:77:6e), Dst: Dell_32:9c:43 (60:18:95:32:9c:43)
    Destination: Dell_32:9c:43 (60:18:95:32:9c:43)
        ....0. .... = LG bit: Globally unique address (factory default)
        ....0. .... = IG bit: Individual address (unicast)
    Source: Routerboardc_b6:77:6e (08:55:31:b6:77:6e)
        ....0. .... = LG bit: Globally unique address (factory default)
        ....0. .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    [Stream index: 0]
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.120
    0100 .... = Version: 4
    ....0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        ....00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 478
    Identification: 0x2183 (8579)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 42
    Protocol: TCP (6)
    Header Checksum: 0xf5f2 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 192.168.1.120
    [Stream index: 4]
Transmission Control Protocol, Src Port: 80, Dst Port: 61752, Seq: 1, Ack: 495, Len: 438
    Source Port: 80
    Destination Port: 61752
    [Stream index: 9]
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[Stream Packet Number: 6]
[Conversation completeness: Incomplete, DATA (15)]
    ..0. .... = RST: Absent
    ...0 .... = FIN: Absent
    .... 1... = Data: Present
    .... .1.. = ACK: Present
    .... ..1. = SYN-ACK: Present
    .... ...1 = SYN: Present
[Completeness Flags: ..DASS]
[TCP Segment Len: 438]
Sequence Number: 1      (relative sequence number)
Sequence Number (raw): 219778549
[Next Sequence Number: 439      (relative sequence number)]
Acknowledgment Number: 495      (relative ack number)
Acknowledgment number (raw): 2231411714
0101 .... = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
    000. .... .... = Reserved: Not set
    ...0 .... .... = Accurate ECN: Not set
    .... 0... .... = Congestion Window Reduced: Not set
    .... .0.. .... = ECN-Echo: Not set
    .... ..0. .... = Urgent: Not set
    .... ...1 .... = Acknowledgment: Set
    .... .... 1... = Push: Set
    .... .... .0.. = Reset: Not set
    .... .... ..0. = Syn: Not set
    .... .... ...0 = Fin: Not set
[TCP Flags: .....AP....]
Window: 237
[Calculated window size: 30336]
[Window size scaling factor: 128]
Checksum: 0x0079 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
    [Time since first frame in this TCP stream: 0.237638000 seconds]
    [Time since previous frame in this TCP stream: 0.001826000 seconds]
[SEQ/ACK analysis]
    [iRTT: 0.116361000 seconds]
    [Bytes in flight: 438]
    [Bytes sent since last PSH flag: 438]
TCP payload (438 bytes)
Hypertext Transfer Protocol
HTTP/1.1 200 OK\r\n
    Response Version: HTTP/1.1
    Status Code: 200
    [Status Code Description: OK]
    Response Phrase: OK
Date: Tue, 10 Sep 2024 15:39:56 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: Tue, 10 Sep 2024 05:59:02 GMT\r\n
ETag: "51-621bd91ff7bca"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 81\r\n
    [Content length: 81]
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: 150]
[Time since request: 0.120928000 seconds]
[Request URI: /wireshark-labs/INTRO-wireshark-file1.html]
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
File Data: 81 bytes
Line-based text data: text/html (3 lines)
<html>\n
Congratulations! You've downloaded the first Wireshark lab file!\n
</html>\n
No.      Time            Source            Destination      Protocol Length Info
 165 4.602549      192.168.1.120      128.119.245.12   HTTP      494      GET /favicon.ico HTTP/1.1
Frame 165: 494 bytes on wire (3952 bits), 494 bytes captured (3952 bits) on interface \Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22},
id 0
Section number: 1
Interface id: 0 (\Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22})
    Interface name: \Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22}
    Interface description: Ethernet
Encapsulation type: Ethernet (1)
Arrival Time: Sep 10, 2024 18:39:57.187246000 RTZ 2 (зима)
UTC Arrival Time: Sep 10, 2024 15:39:57.187246000 UTC
Epoch Arrival Time: 1725982797.187246000
[Time shift for this packet: 0.000000000 seconds]
[Time delta from previous captured frame: 0.037614000 seconds]
[Time delta from previous displayed frame: 0.103883000 seconds]
[Time since reference or first frame: 4.602549000 seconds]
Frame Number: 165
Frame Length: 494 bytes (3952 bits)
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Capture Length: 494 bytes (3952 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:tcp:http]
[Coloring Rule Name: HTTP]
[Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: Dell_32:9c:43 (60:18:95:32:9c:43), Dst: Routerboardc_b6:77:6e (08:55:31:b6:77:6e)
Destination: Routerboardc_b6:77:6e (08:55:31:b6:77:6e)
.... ..0. .... = LG bit: Globally unique address (factory default)
.... ..0 .... = IG bit: Individual address (unicast)
Source: Dell_32:9c:43 (60:18:95:32:9c:43)
.... ..0. .... = LG bit: Globally unique address (factory default)
.... ..0 .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
[Stream index: 0]
Internet Protocol Version 4, Src: 192.168.1.120, Dst: 128.119.245.12
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 480
Identification: 0x5baa (23466)
010. .... = Flags: 0x2, Don't fragment
0... .... = Reserved bit: Not set
.1.. .... = Don't fragment: Set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 128
Protocol: TCP (6)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.1.120
Destination Address: 128.119.245.12
[Stream index: 4]
Transmission Control Protocol, Src Port: 61752, Dst Port: 80, Seq: 495, Ack: 439, Len: 440
Source Port: 61752
Destination Port: 80
[Stream index: 9]
[Stream Packet Number: 8]
[Conversation completeness: Incomplete, DATA (15)]
..0. .... = RST: Absent
...0 .... = FIN: Absent
.... 1... = Data: Present
.... .1.. = ACK: Present
.... ..1. = SYN-ACK: Present
.... ...1 = SYN: Present
[Completeness Flags: ..DASS]
[TCP Segment Len: 440]
Sequence Number: 495 (relative sequence number)
Sequence Number (raw): 2231411714
[Next Sequence Number: 935 (relative sequence number)]
Acknowledgment Number: 439 (relative ack number)
Acknowledgment number (raw): 219778987
0101 .... = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
000. .... = Reserved: Not set
...0 .... = Accurate ECN: Not set
.... 0... = Congestion Window Reduced: Not set
.... .0.. = ECN-Echo: Not set
.... ..0. = Urgent: Not set
.... ...1 = Acknowledgment: Set
.... .... 1... = Push: Set
.... .... .0.. = Reset: Not set
.... .... ..0. = Syn: Not set
.... .... ...0 = Fin: Not set
[TCP Flags: .....AP...]
Window: 1024
[Calculated window size: 262144]
[Window size scaling factor: 256]
Checksum: 0x3977 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
[Time since first frame in this TCP stream: 0.341521000 seconds]
[Time since previous frame in this TCP stream: 0.058006000 seconds]
[SEQ/ACK analysis]
[iRTT: 0.116361000 seconds]
[Bytes in flight: 440]
[Bytes sent since last PSH flag: 440]
TCP payload (440 bytes)
Hypertext Transfer Protocol
GET /favicon.ico HTTP/1.1\r\n
Request Method: GET
Request URI: /favicon.ico
Request Version: HTTP/1.1
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Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/128.0.0.0 Safari/537.36\r\n
Accept: image/avif,image/webp,image/apng,image/svg+xml,image/*,*/*;q=0.8\r\n
Referer: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: ru-RU,ru;q=0.9,en-US;q=0.8,en;q=0.7\r\n
\r\n
[Response in frame: 180]
[Full request URI: http://gaia.cs.umass.edu/favicon.ico]
No.      Time            Source                Destination          Protocol Length Info
  180  4.727888      128.119.245.12        192.168.1.120        HTTP      538    HTTP/1.1 404 Not Found (text/html)
Frame 180: 538 bytes on wire (4304 bits), 538 bytes captured (4304 bits) on interface \Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22},
id 0
  Section number: 1
  Interface id: 0 (\Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22})
    Interface name: \Device\NPF_{274C5D29-3C7F-426D-8DAB-21E198E84D22}
    Interface description: Ethernet
  Encapsulation type: Ethernet (1)
  Arrival Time: Sep 10, 2024 18:39:57.312585000 RTZ 2 (зима)
  UTC Arrival Time: Sep 10, 2024 15:39:57.312585000 UTC
  Epoch Arrival Time: 1725982797.312585000
  [Time shift for this packet: 0.000000000 seconds]
  [Time delta from previous captured frame: 0.010306000 seconds]
  [Time delta from previous displayed frame: 0.125339000 seconds]
  [Time since reference or first frame: 4.727888000 seconds]
  Frame Number: 180
  Frame Length: 538 bytes (4304 bits)
  Capture Length: 538 bytes (4304 bits)
  [Frame is marked: False]
  [Frame is ignored: False]
  [Protocols in frame: eth:ethertype:ip:tcp:http:data-text-lines]
  [Coloring Rule Name: HTTP]
  [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: Routerboardc_b6:77:6e (08:55:31:b6:77:6e), Dst: Dell_32:9c:43 (60:18:95:32:9c:43)
  Destination: Dell_32:9c:43 (60:18:95:32:9c:43)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0. .... = IG bit: Individual address (unicast)
  Source: Routerboardc_b6:77:6e (08:55:31:b6:77:6e)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0. .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
  [Stream index: 0]
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.120
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... 00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 524
  Identification: 0x2184 (8580)
  010. .... = Flags: 0x2, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
  Time to Live: 42
  Protocol: TCP (6)
  Header Checksum: 0xf5c3 [validation disabled]
  [Header checksum status: Unverified]
  Source Address: 128.119.245.12
  Destination Address: 192.168.1.120
  [Stream index: 4]
Transmission Control Protocol, Src Port: 80, Dst Port: 61752, Seq: 439, Ack: 935, Len: 484
  Source Port: 80
  Destination Port: 61752
  [Stream index: 9]
  [Stream Packet Number: 9]
  [Conversation completeness: Incomplete, DATA (15)]
    ..0. .... = RST: Absent
    ...0 .... = FIN: Absent
    .... 1... = Data: Present
    .... .1.. = ACK: Present
    .... ..1. = SYN-ACK: Present
    .... ...1 = SYN: Present
  [Completeness Flags: ..DASS]
  [TCP Segment Len: 484]
  Sequence Number: 439 (relative sequence number)
  Sequence Number (raw): 219778987
  [Next Sequence Number: 923 (relative sequence number)]
  Acknowledgment Number: 935 (relative ack number)
  Acknowledgment number (raw): 2231412154
  0101 .... = Header Length: 20 bytes (5)
  Flags: 0x018 (PSH, ACK)
    000. .... = Reserved: Not set
    ...0 .... = Accurate ECN: Not set
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.... 0... .... = Congestion Window Reduced: Not set
.... .0.. .... = ECN-Echo: Not set
.... ..0. .... = Urgent: Not set
.... ...1 .... = Acknowledgment: Set
.... .... 1... = Push: Set
.... .... .0.. = Reset: Not set
.... .... ..0. = Syn: Not set
.... .... ...0 = Fin: Not set
[TCP Flags: .....AP...]
Window: 245
[Calculated window size: 31360]
[Window size scaling factor: 128]
Checksum: 0x4693 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
    [Time since first frame in this TCP stream: 0.466860000 seconds]
    [Time since previous frame in this TCP stream: 0.125339000 seconds]
[SEQ/ACK analysis]
    [This is an ACK to the segment in frame: 165]
    [The RTT to ACK the segment was: 0.125339000 seconds]
    [iRTT: 0.116361000 seconds]
    [Bytes in flight: 484]
    [Bytes sent since last PSH flag: 484]
TCP payload (484 bytes)
Hypertext Transfer Protocol
HTTP/1.1 404 Not Found\r\n
    Response Version: HTTP/1.1
    Status Code: 404
    [Status Code Description: Not Found]
    Response Phrase: Not Found
Date: Tue, 10 Sep 2024 15:39:57 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
Content-Length: 209\r\n
    [Content length: 209]
Keep-Alive: timeout=5, max=99\r\n
Connection: Keep-Alive\r\n
Content-Type: text/html; charset=iso-8859-1\r\n
\r\n
[Request in frame: 165]
[Time since request: 0.125339000 seconds]
[Request URI: /favicon.ico]
[Full request URI: http://gaia.cs.umass.edu/favicon.ico]
File Data: 209 bytes
Line-based text data: text/html (7 lines)
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">\n
<html><head>\n
<title>404 Not Found</title>\n
</head><body>\n
<h1>Not Found</h1>\n
<p>The requested URL /favicon.ico was not found on this server.</p>\n
</body></html>\n
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