

Part 1

Part 2

Part 3

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▼ Transmission Control Protocol, Src Port: 80, Dst Port: 59155, Seq: 1, Ack: 559, Len: 584
  Source Port: 80
  Destination Port: 59155
  [Stream index: 73]
  [TCP Segment Len: 584]
  Sequence number: 1 (relative sequence number)
  [Next sequence number: 585 (relative sequence number)]
  Acknowledgment number: 559 (relative ack number)
  1000 .... = Header Length: 32 bytes (8)
  ▼ Flags: 0x018 (PSH, ACK)
    000. .... = Reserved: Not set
    ...0 .... = Nonce: Not set
    0 = Connection Window Reduced (CWR): Not set
0020 05 d8 00 50 e7 13 6a 44 29 2b 9f bc 4f ff 80 18 ...P...jD)+..0...
0030 00 3b 6f fc 00 00 01 01 08 0a c5 80 7c 2c 1e 9e ...o.....|...|...
0040 ed 05 48 54 54 50 2f 31 2e 31 20 33 30 31 20 4d ...HTTP/1.1 301 M
0050 6f 76 65 64 20 50 65 72 6d 61 6e 65 6e 74 6c 79 oved Per manently
0060 0d 0a 03 4f 6e 74 65 6e 74 2d 54 79 70 65 3a 20 ..Content t-Type:
0070 74 65 78 74 2f 68 74 6d 6c 3b 20 63 68 61 72 73 text/html; chars
0080 65 74 3d 55 54 46 2d 38 0d 0a 4c 6f 63 61 74 69 et=UTF-8 ..Locati
0090 6f 6e 3a 20 68 74 74 70 73 3a 2f 2f 77 69 74 2e on: http s://wit.
00a0 65 64 75 2f 0d 0a 53 65 72 76 65 72 3a 20 6e 67 edu/..Se rver: ng
00b0 69 6e 78 0d 0a 53 75 72 72 6f 6f 61 74 65 2d 4b inx..Sur rogate-K
00c0 65 79 2d 52 61 77 3a 0d 0a 58 2d 50 61 6e 74 68 ey-Raw:..X-Panth
00d0 65 6f 6e 2d 53 74 79 78 2d 48 6f 73 74 6e 61 6d eon-Styx -Hostnam
00e0 65 3a 20 73 74 79 78 2d 66 65 33 2d 61 2d 34 31 e: styx- fe3-a-41
00f0 37 33 32 31 34 36 32 38 2d 74 67 73 6c 6a 0d 0a 73214628 -tgslj..
0100 58 2d 53 74 79 78 2d 52 65 71 2d 49 64 3a 20 73 X-Styx-R eq-Id: s

```

► Transmission Control Protocol, Src Port: 80, Dst Port: 65359, Seq: 1, Ack: 505, Len: 585

▼ Hypertext Transfer Protocol

▼ HTTP/1.1 301 Moved Permanently\r\n

▼ [Expert Info (Chat/Sequence): HTTP/1.1 301 Moved Permanently\r\n]

[HTTP/1.1 301 Moved Permanently\r\n]

[Severity level: Chat]

[Group: Sequence]

Request Version: HTTP/1.1

Status Code: 301

[Status Code Description: Moved Permanently]

Response Phrase: Moved Permanently

Content-Type: text/html; charset=UTF-8\r\n

Location: https://wit.edu/\r\n

Server: nginx\r\n

Surrogate-Key-Raw:\r\n

X-Pantheon-Styx-Hostname: styx-fe3-a-4173214628-c9txx\r\n

X-Styx-Req-Id: styx-fdcaeb2ae746cba20ea8117d085e57d3\r\n

Cache-Control: public, max-age=86400\r\n

Via: 1.1 varnish\r\n

► Content-Length: 0\r\n

Accept-Ranges: bytes\r\n

0060	0d 0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65 3a 20	..Content-Type:
0070	74 65 78 74 2f 68 74 6d 6c 3b 20 63 68 61 72 73	text/html; char
0080	65 74 3d 55 54 46 2d 38 0d 0a 4c 6f 63 61 74 69	et=UTF-8 ..Locati
0090	6f 6e 3a 20 68 74 74 70 73 3a 2f 2f 77 69 74 2e	on: https://wit.
00a0	65 64 75 2f 0d 0a 53 65 72 76 65 72 3a 20 6e 67	edu/..Server: ng
00b0	69 6e 78 0d 0a 53 75 72 72 6f 67 61 74 65 2d 4b	inx..Surrogate-K
00c0	65 79 2d 52 61 77 3a 0d 0a 58 2d 50 61 6e 74 68	ey-Raw:..X-Panth

No.: 24 · Time: 2.440069 · Source: 23.185.0.3 · Destination: 10.200.5.216 · Protocol: HTTP · Length: 651 · Info: HTTP/1.1 301 Moved Permanently

This HTTP packet Moved Permanently means when you go to wit.edu it redirects you to a new permanent URL. It makes you go to another location when you try to go to wit.edu so you end up at the new location.

1874	66.690819	69.31.33.224	10.200.5.216	HTTP	301 HTTP/1.1 304 Not Modified
1877	66.981270	69.31.33.224	10.200.5.216	HTTP	301 HTTP/1.1 304 Not Modified

[Stream index: 84]
[TCP Segment Len: 235]
Sequence number: 1 (relative sequence number)
[Next sequence number: 236 (relative sequence number)]
Acknowledgment number: 202 (relative ack number)
1000 = Header Length: 32 bytes (8)
▼ Flags: 0x018 (PSH, ACK)
000. = Reserved: Not set
...0 = Nonce: Not set
.... 0... = Congestion Window Reduced (CWR): Not set
.... .0.. = ECN-Echo: Not set
.... ..0. = Urgent: Not set
1 = Acknowledgment: Set
0020 05 d8 00 50 e7 1b 43 71 bb b1 4c 0d 8e c2 80 18 ...P...Cq ..L....
0030 03 ab c7 ec 00 00 00 01 01 08 0a 1f 45 be 65 1e 9fE...
0040 84 a5 48 54 54 50 2f 31 2e 31 20 33 30 34 20 4e ..HTTP/1.1 304 N
0050 6f 74 20 4d 6f 64 69 66 69 65 64 0d 0a 43 6f 6e ot Modified..Con
0060 74 65 6e 74 2d 54 79 70 65 3a 20 61 70 70 6c 69 tent-Type: appli
0070 63 61 74 69 6f 6e 2f 7a 69 70 0d 0a 4c 61 73 74 cation/z ip..Last
0080 2d 4d 6f 64 69 66 69 65 64 3a 20 57 65 64 2c 20 -Modified: Wed,
0090 32 39 20 4e 6f 76 20 32 30 31 37 20 30 36 3a 32 29 Nov 2 017 06:2
00a0 35 3a 35 30 20 47 4d 54 0d 0a 43 61 63 68 65 2d 5:50 GMT ..Cache-
00b0 43 6f 6e 74 72 6f 6c 3a 20 6d 61 78 2d 61 67 65 Control: max-age
00c0 3d 36 30 35 0d 0a 45 78 70 69 72 65 73 3a 20 54 =605..Expires: T
00d0 68 75 2c 20 32 35 20 4a 61 6e 20 32 30 31 38 20 hu, 25 Jan 2018
00e0 31 36 3a 31 34 3a 31 36 20 47 4d 54 0d 0a 44 61 16:14:16 GMT..Da
00f0 74 65 3a 20 54 68 75 2c 20 32 35 20 4a 61 6e 20 te: Thu, 25 Jan
0100 32 30 31 38 20 31 36 3a 30 34 3a 31 31 20 47 4d 2018 16: 04:11 GM

Stream index (tcp.stream) Packets: 2170 · Displayed: 6 (0.3%)

► Transmission Control Protocol, Src Port: 65359, Dst Port: 80, Seq: 1, Ack: 1, Len: 504

▼ Hypertext Transfer Protocol

▼ GET / HTTP/1.1\r\n

▼ [Expert Info (Chat/Sequence): GET / HTTP/1.1\r\n]

[GET / HTTP/1.1\r\n]

[Severity level: Chat]

[Group: Sequence]

Request Method: GET

Request URI: /

Request Version: HTTP/1.1

Host: www.wit.edu\r\n

Connection: keep-alive\r\n

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_12_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/63.0.3239.132

Upgrade-Insecure-Requests: 1\r\n

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8\r\n

Accept-Encoding: gzip, deflate\r\n

Accept-Language: en-US,en;q=0.9\r\n

▼ Cookie: _ga=GA1.2.2060301027.1490312034; nmstat=1511995854465; _gid=GA1.2.191447913.1516895869; _uetsid=_uet6a456ba0\r\n

Cookie pair: _ga=GA1.2.2060301027.1490312034

Cookie pair: nmstat=1511995854465

Cookie pair: _gid=GA1.2.191447913.1516895869

Cookie pair: _uetsid=_uet6a456ba0

0040	10 23 47 45 54 20 2f 20 48 54 54 50 2f 31 2e 31	..#GET / HTTP/1.1
0050	0d 0a 48 6f 73 74 3a 20 77 77 77 2e 77 69 74 2e	..Host: www.wit.
0060	65 64 75 0d 0a 43 6f 6e 6e 65 63 74 69 6f 6e 3a	edu..Con nection:
0070	20 6b 65 65 70 2d 61 6c 69 76 65 0d 0a 55 73 65	keep-al ive..Use
0080	72 2d 41 67 65 6e 74 3a 20 4d 6f 7a 69 6c 6c 61	r-Agent: Mozilla

No.: 22 · Time: 2.435014 · Source: 10.200.5.216 · Destination: 23.185.0.3 · Protocol: HTTP · Length: 570 · Info: GET / HTTP/1.1

This HTTP packet returns to the client if the cached copy file is up to date with the server. The client performed a get request and the access was allowed but the document was not modified so the request is terminated by the empty header.