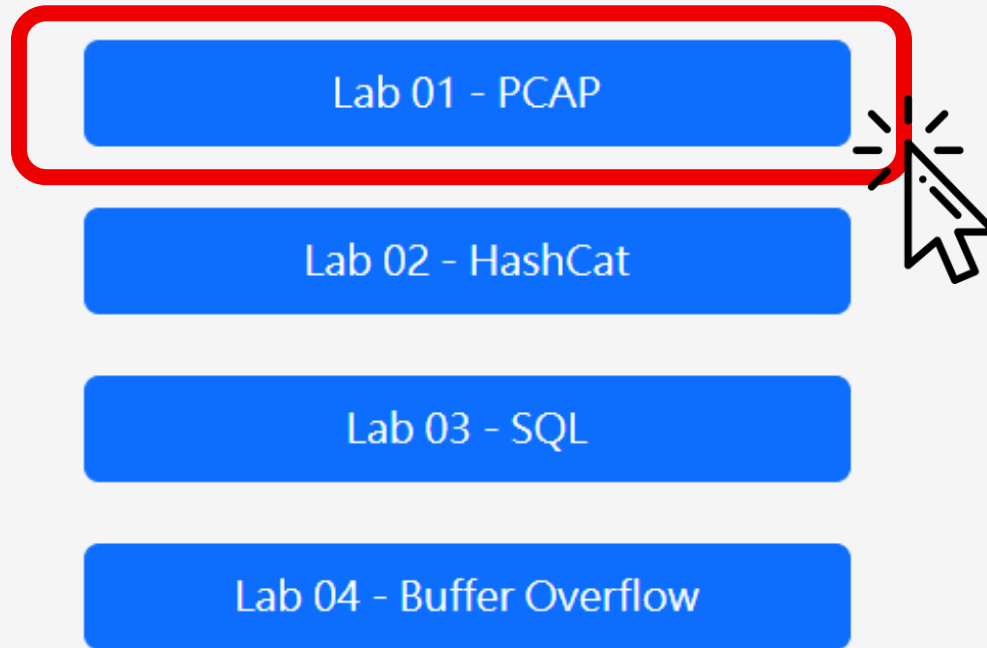


# Lancaster University

Network Security Lab 01 Instruction

# 0. Open Lancaster.waynechiu.cc



The Lab of Network Security lecture of  
Lancaster University

# 1. View the PCAP file

## Web Login

Login

This Lab01 PCAP of Network Security  
lecture of Lancaster University

[View PCAP file for this lab.](#)

[I need instructions.](#)



## 2. Search for useful information.

lab01 Start typing to search for fields...

Total: 24 Displayed: 24 Filters Profile: Default (read-only)

| Number | Time        | Delta time  | Source          | Destination     | Protocol | Length | Info                                                                    |
|--------|-------------|-------------|-----------------|-----------------|----------|--------|-------------------------------------------------------------------------|
| 1      | 0.000000000 | 0.000000000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 431    | GET /lab01.jsp HTTP/1.1                                                 |
| 2      | 0.000351000 | 0.000351000 | 218.172.82.253  | 192.168.136.139 | TCP      | 66     | 80 → 47026 [ACK] Seq=1 Ack=372 Win=64240 Len=0                          |
| 3      | 0.013343000 | 0.012992000 | 218.172.82.253  | 192.168.136.139 | HTTP     | 1242   | HTTP/1.1 200 (text/html)                                                |
| 4      | 0.013373000 | 0.000030000 | 192.168.136.139 | 218.172.82.253  | TCP      | 60     | 47026 → 80 [ACK] Seq=372 Ack=1183 Win=63828 Len=0                       |
| 5      | 4.015578000 | 4.002205000 | 192.168.136.139 | 118.214.255.18  | TCP      | 60     | 53490 → 80 [ACK] Seq=1 Ack=1 Win=63729 Len=0                            |
| 6      | 4.015823000 | 0.000245000 | 118.214.255.18  | 192.168.136.139 | TCP      | 66     | [TCP ACKed unseen segment] 80 → 53490 [ACK] Seq=1 Ack=2 Win=64240 Len=0 |
| 7      | 6.186288000 | 2.170465000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 616    | POST /lab01.do HTTP/1.1 (application/x-www-form-urlencoded)             |
| 8      | 6.186624000 | 0.000336000 | 218.172.82.253  | 192.168.136.139 | TCP      | 66     | 80 → 47026 [ACK] Seq=1183 Ack=928 Win=64240 Len=0                       |
| 9      | 6.201321000 | 0.014697000 | 218.172.82.253  | 192.168.136.139 | HTTP     | 991    | HTTP/1.1 401 (text/html)                                                |
| 10     | 6.201346000 | 0.000025000 | 192.168.136.139 | 218.172.82.253  | TCP      | 60     | 47026 → 80 [ACK] Seq=928 Ack=2114 Win=63828 Len=0                       |
| 11     | 9.919118000 | 3.717772000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 431    | GET /lab01.jsp HTTP/1.1                                                 |

> Frame 1: 431 bytes on wire (3448 bits), 431 bytes captured (3448 bits)  
> Linux cooked capture v2  
> Internet Protocol Version 4, Src: 192.168.136.139, Dst: 218.172.82.253  
> Transmission Control Protocol, Src Port: 47026, Dst Port: 80, Seq: 1, Ack: 1, Len: 431  
> Hypertext Transfer Protocol

00000000 08 00 00 00 00 00 00 02 00 01 04 06 00 0c 29 8d .....  
00000010 84 8a 00 00 45 00 01 9b 51 57 40 00 40 06 71 28 ....E... QW@.@.q(  
00000020 c0 a8 88 8b da ac 52 fd b7 b2 00 50 0d 95 a1 5e .....R. ...P...^  
00000030 0c e3 15 b8 50 18 f9 54 78 6b 00 00 47 45 54 20 ....P..T xk..GET.  
00000040 2f 6c 61 62 30 31 2e 6a 73 70 20 48 54 54 50 2f /lab01.j sp.HTTP/  
00000050 31 2e 31 0d 0a 48 6f 73 74 3a 20 6c 61 6e 63 61 1.1..Hos t:.lanca  
00000060 73 74 65 72 2e 77 61 79 6e 65 63 68 69 75 2e 63 ster.way nechiu.c  
00000070 63 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d c..User- Agent:.M  
00000080 6f 7a 69 6c 6c 61 2f 35 2e 30 20 28 58 31 31 3b ozilla/5 0 (X11..

| Number | Time        | Delta time  | Source          | Destination     | Protocol | Length | Info                                                                |
|--------|-------------|-------------|-----------------|-----------------|----------|--------|---------------------------------------------------------------------|
| 1      | 0.000000000 | 0.000000000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 431    | GET /lab01.jsp HTTP/1.1                                             |
| 2      | 0.000351000 | 0.000351000 | 218.172.82.253  | 192.168.136.139 | TCP      | 66     | 80 → 47026 [ACK] Seq=1 Ack=372 Win=64240 Len=0                      |
| 3      | 0.013343000 | 0.012992000 | 218.172.82.253  | 192.168.136.139 | HTTP     | 1242   | HTTP/1.1 200 (text/html)                                            |
| 4      | 0.013373000 | 0.000030000 | 192.168.136.139 | 218.172.82.253  | TCP      | 60     | 47026 → 80 [ACK] Seq=372 Ack=1183 Win=63828 Len=0                   |
| 5      | 4.015578000 | 4.002205000 | 192.168.136.139 | 118.214.255.18  | TCP      | 60     | 53490 → 80 [ACK] Seq=1 Ack=1 Win=63729 Len=0                        |
| 6      | 4.015823000 | 0.000245000 | 118.214.255.18  | 192.168.136.139 | TCP      | 66     | [TCP ACKed unseen segment] 80 → 53490 [ACK] Seq=1 Ack=2 Win=64240 L |
| 7      | 6.186288000 | 2.170465000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 616    | POST /lab01.do HTTP/1.1 (application/x-www-form-urlencoded)         |
| 8      | 6.186624000 | 0.000336000 | 218.172.82.253  | 192.168.136.139 | TCP      | 66     | 80 → 47026 [ACK] Seq=1183 Ack=928 Win=64240 Len=0                   |
| 9      | 6.201321000 | 0.014697000 | 218.172.82.253  | 192.168.136.139 | HTTP     | 991    | HTTP/1.1 401 (text/html)                                            |
| 10     | 6.201346000 | 0.000025000 | 192.168.136.139 | 218.172.82.253  | TCP      | 60     | 47026 → 80 [ACK] Seq=928 Ack=2114 Win=63828 Len=0                   |
| 11     | 9.919118000 | 3.717772000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 431    | GET /lab01.jsp HTTP/1.1                                             |

> Frame 1: 431 bytes on wire (3448 bits)

> Linux cooked capture v

> Internet Protocol Vers

> Transmission Control P

> Hypertext Transfer Pro

Area here shows all captured packets. Select the packet you liked to check.

00000000 08 00 00 00 00 00 02 00 01 04 06 00 0c 29 8d .....).

00000010 84 8a 00 00 45 00 01 9b 51 57 40 00 40 06 71 28 ....E... QW@.@.q(

00000020 c0 a8 88 8b da ac 52 fd b7 b2 00 50 0d 95 a1 5e .....R. ...P...^

00000030 0c e3 15 b8 50 18 f9 54 78 6b 00 00 47 45 54 20 ....P..T xk..GET.

00000040 2f 6c 61 62 30 31 2e 6a 73 70 20 48 54 54 50 2f /lab01.j sp.HTTP/

00000050 31 2e 31 0d 0a 48 6f 73 74 3a 20 6c 61 6e 63 61 1.1..Hos t:.lanca

00000060 73 74 65 72 2e 77 61 79 6e 65 63 68 69 75 2e 63 ster.way nechiu.c

00000070 63 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d c..User- Agent:.M

00000080 6f 7a 69 6c 6c 61 2f 35 2e 30 20 28 58 31 31 3b ozilla/5 0 (X11.

Total: 24

Displayed: 24

Filters

| Number | Time        | Delta time  | Source          | Destination     | Protocol | Length | Info                                                                |
|--------|-------------|-------------|-----------------|-----------------|----------|--------|---------------------------------------------------------------------|
| 1      | 0.000000000 | 0.000000000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 431    | GET /lab01.jsp HTTP/1.1                                             |
| 2      | 0.000351000 | 0.000351000 | 218.172.82.253  | 192.168.136.139 | TCP      | 66     | 80 → 47026 [ACK] Seq=1 Ack=372 Win=64240 Len=0                      |
| 3      | 0.013343000 | 0.012992000 | 218.172.82.253  | 192.168.136.139 | HTTP     | 1242   | HTTP/1.1 200 (text/html)                                            |
| 4      | 0.013373000 | 0.000030000 | 192.168.136.139 | 218.172.82.253  | TCP      | 60     | 47026 → 80 [ACK] Seq=372 Ack=1183 Win=63828 Len=0                   |
| 5      | 4.015578000 | 4.002205000 | 192.168.136.139 | 118.214.255.18  | TCP      | 60     | 53490 → 80 [ACK] Seq=1 Ack=1 Win=63729 Len=0                        |
| 6      | 4.015823000 | 0.000245000 | 118.214.255.18  | 192.168.136.139 | TCP      | 66     | [TCP ACKed unseen segment] 80 → 53490 [ACK] Seq=1 Ack=2 Win=64240 L |
| 7      | 6.186288000 | 2.170465000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 616    | POST /lab01.do HTTP/1.1 (application/x-www-form-urlencoded)         |
| 8      | 6.186624000 | 0.000336000 | 218.172.82.253  | 192.            |          |        | 80 → 47026 [ACK] Seq=1183 Ack=928 Win=64240 Len=0                   |
| 9      | 6.201321000 | 0.014697000 | 218.172.82.253  | 192.            |          |        | HTTP/1.1 401 (text/html)                                            |
| 10     | 6.201346000 | 0.000025000 | 192.168.136.139 | 218.            |          |        | 47026 → 80 [ACK] Seq=928 Ack=2114 Win=63828 Len=0                   |
| 11     | 9.919118000 | 3.717772000 | 192.168.136.139 | 218.            |          |        | GET /lab01.jsp HTTP/1.1                                             |

Area here shows the  
payload in selected packet.

Frame 1: 431 bytes on wire (3448 bits), 431 bytes captured (3448 bits)

> Linux cooked capture v2

> Internet Protocol Version 4, Src: 192.168.136.139, Dst: 218.172.82.253

> Transmission Control Protocol, Src Port: 47026, Dst Port: 80, Seq: 1, Ack: 1, Len:...

> Hypertext Transfer Protocol

```
00000000 08 00 00 00 00 00 02 00 01 04 06 00 0c 29 8d .....).
00000010 84 8a 00 00 45 00 01 9b 51 57 40 00 40 06 71 28 ....E... QW@.@.q(
00000020 c0 a8 88 8b da ac 52 fd b7 b2 00 50 0d 95 a1 5e .....R. ...P...^
00000030 0c e3 15 b8 50 18 f9 54 78 6b 00 00 47 45 54 20 ....P..T xk..GET.
00000040 2f 6c 61 62 30 31 2e 6a 73 70 20 48 54 54 50 2f /lab01.j sp.HTTP/
00000050 31 2e 31 0d 0a 48 6f 73 74 3a 20 6c 61 6e 63 61 1.1..Hos t:.lanca
00000060 73 74 65 72 2e 77 61 79 6e 65 63 68 69 75 2e 63 ster.way nechiu.c
00000070 63 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d c..User- Agent:.M
00000080 6f 7a 69 6c 6c 61 2f 35 2e 30 20 28 58 31 31 3b ozilla/5 0 (X11.
```

| Number | Time        | Delta time  | Source          | Destination     | Protocol | Length | Info                                                                |
|--------|-------------|-------------|-----------------|-----------------|----------|--------|---------------------------------------------------------------------|
| 1      | 0.000000000 | 0.000000000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 431    | GET /lab01.jsp HTTP/1.1                                             |
| 2      | 0.000351000 | 0.000351000 | 218.172.82.253  | 192.168.136.139 | TCP      | 66     | 80 → 47026 [ACK] Seq=1 Ack=372 Win=64240 Len=0                      |
| 3      | 0.013343000 | 0.012992000 | 218.172.82.253  | 192.168.136.139 | HTTP     | 1242   | HTTP/1.1 200 (text/html)                                            |
| 4      | 0.013373000 | 0.000030000 | 192.168.136.139 | 218.172.82.253  | TCP      | 60     | 47026 → 80 [ACK] Seq=372 Ack=1183 Win=63828 Len=0                   |
| 5      | 4.015578000 | 4.002205000 | 192.168.136.139 | 118.214.255.18  | TCP      | 60     | 53490 → 80 [ACK] Seq=1 Ack=1 Win=63729 Len=0                        |
| 6      | 4.015823000 | 0.000245000 | 118.214.255.18  | 192.168.136.139 | TCP      | 66     | [TCP ACKed unseen segment] 80 → 53490 [ACK] Seq=1 Ack=2 Win=64240 L |
| 7      | 6.186288000 | 2.170465000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 616    | POST /lab01.do HTTP/1.1 (application/x-www-form-urlencoded)         |
| 8      | 6.186624000 | 0.000336000 | 218.172.82.253  | 192.168.136.139 | TCP      |        | =928 Win=64240 Len=0                                                |
| 9      | 6.201321000 | 0.014697000 | 218.172.82.253  | 192.168.136.139 | HTTP     |        |                                                                     |
| 10     | 6.201346000 | 0.000025000 | 192.168.136.139 | 218.172.82.253  | TCP      |        | 2114 Win=63828 Len=0                                                |
| 11     | 9.919118000 | 3.717772000 | 192.168.136.139 | 218.172.82.253  | HTTP     |        |                                                                     |

The right column shows the raw content of the packet.

> Frame 1: 431 bytes on wire (3448 bits), 431 bytes captured (3448 bits)

> Linux cooked capture v2

> Internet Protocol Version 4, Src: 192.168.136.139, Dst: 218.172.82.253

> Transmission Control Protocol, Src Port: 47026, Dst Port: 80, Seq: 1, Ack: 1, Len:...

> Hypertext Transfer Protocol

00000000 08 00 00 00 00 60 00 02 00 01 04 06 00 0c 29 8d ..... )

00000010 84 8a 00 00 45 00 01 9b 51 57 40 00 40 06 71 28 ....E... QW@.@.q(

00000020 c0 a8 88 8b da ac 52 fd b7 b2 00 50 0d 95 a1 5e .....R. ...P...^

00000030 0c e3 15 b8 50 18 f9 54 78 6b 00 00 47 45 54 20 ....P..T xk..GET.

00000040 2f 6c 61 62 30 31 2e 6a 73 70 20 48 54 54 50 2f /lab01.j sp.HTTP/

00000050 31 2e 31 0d 0a 48 6f 73 74 3a 20 6c 61 6e 63 61 1.1..Hos t:.lanca

00000060 73 74 65 72 2e 77 61 79 6e 65 63 68 69 75 2e 63 ster.way nechiu.c

00000070 63 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d c..User- Agent:.M

00000080 6f 7a 69 6c 6c 61 2f 35 2e 30 20 28 58 31 31 3b ozilla/5 0 (X11.

Total: 24

Displayed: 24

Filters

| Number | Time        | Delta time  | Source          | Destination     | Protocol | Length | Info                                                                |
|--------|-------------|-------------|-----------------|-----------------|----------|--------|---------------------------------------------------------------------|
| 1      | 0.000000000 | 0.000000000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 431    | GET /lab01.jsp HTTP/1.1                                             |
| 2      | 0.000351000 | 0.000351000 | 218.172.82.253  | 192.168.136.139 | TCP      | 66     | 80 → 47026 [ACK] Seq=1 Ack=372 Win=64240 Len=0                      |
| 3      | 0.013343000 | 0.012992000 | 218.172.82.253  | 192.168.136.139 | HTTP     | 1242   | HTTP/1.1 200 (text/html)                                            |
| 4      | 0.013373000 | 0.000030000 | 192.168.136.139 | 218.172.82.253  | TCP      | 60     | 47026 → 80 [ACK] Seq=372 Ack=1183 Win=63828 Len=0                   |
| 5      | 4.015578000 | 4.002205000 | 192.168.136.139 | 118.214.255.18  | TCP      | 60     | 53490 → 80 [ACK] Seq=1 Ack=1 Win=63729 Len=0                        |
| 6      | 4.015823000 | 0.000245000 | 118.214.255.18  | 192.168.136.139 | TCP      | 66     | [TCP ACKed unseen segment] 80 → 53490 [ACK] Seq=1 Ack=2 Win=64240 L |
| 7      | 6.186288000 | 2.170465000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 616    | POST /lab01.do HTTP/1.1 (application/x-www-form-urlencoded)         |
| 8      | 6.186624000 | 0.000336000 | 218.172.82.253  | 192.168.136.139 | TCP      | 60     | 80 → 47026 [ACK] Seq=1183 Ack=928 Win=64240 Len=0                   |
| 9      | 6.201321000 | 0.014697000 | 218.172.82.253  | 192.168.136.139 | HTTP     | 401    | HTTP/1.1 401 (text/html)                                            |
| 10     | 6.201346000 | 0.000025000 | 192.168.136.139 | 218.172.82.253  | TCP      | 60     | 47026 → 80 [ACK] Seq=928 Ack=2114 Win=63828 Len=0                   |
| 11     | 9.919118000 | 3.717772000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 431    | GET /lab01.jsp HTTP/1.1                                             |

The left column shows the decoded content of the packet.

Frame 1: 431 bytes on wire (3448 bits), 431 bytes captured (3448 bits)

> Linux cooked capture v2

> Internet Protocol Version 4, Src: 192.168.136.139, Dst: 218.172.82.253

> Transmission Control Protocol, Src Port: 47026, Dst Port: 80, Seq: 1, Ack: 1, Len:...

> Hypertext Transfer Protocol

|          |                                                 |                   |
|----------|-------------------------------------------------|-------------------|
| 00000000 | 08 00 00 00 00 00 02 00 01 04 06 00 0c 29 8d    | ..... )           |
| 00000010 | 84 8a 00 00 45 00 01 9b 51 57 40 00 40 06 71 28 | ....E... QW@.@.q( |
| 00000020 | c0 a8 88 8b da ac 52 fd b7 b2 00 50 0d 95 a1 5e | .....R. ...P...^  |
| 00000030 | 0c e3 15 b8 50 18 f9 54 78 6b 00 00 47 45 54 20 | ....P..T xk..GET. |
| 00000040 | 2f 6c 61 62 30 31 2e 6a 73 70 20 48 54 54 50 2f | /lab01.j sp.HTTP/ |
| 00000050 | 31 2e 31 0d 0a 48 6f 73 74 3a 20 6c 61 6e 63 61 | 1.1..Hos t:.lanca |
| 00000060 | 73 74 65 72 2e 77 61 79 6e 65 63 68 69 75 2e 63 | ster.way nechiu.c |
| 00000070 | 63 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d | c..User- Agent:.M |
| 00000080 | 6f 7a 69 6c 6c 61 2f 35 2e 30 20 28 58 31 31 3b | ozilla/5 0 (X11.  |

| Number | Time        | Delta time  | Source          | Destination     | Protocol | Length | Info                                                                |
|--------|-------------|-------------|-----------------|-----------------|----------|--------|---------------------------------------------------------------------|
| 1      | 0.000000000 | 0.000000000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 431    | GET /lab01.jsp HTTP/1.1                                             |
| 2      | 0.000351000 | 0.000351000 | 218.172.82.253  | 192.168.136.139 | TCP      | 66     | 80 → 47026 [ACK] Seq=1 Ack=372 Win=64240 Len=0                      |
| 3      | 0.013343000 | 0.012992000 | 218.172.82.253  | 192.168.136.139 | HTTP     | 1242   | HTTP/1.1 200 (text/html)                                            |
| 4      | 0.013373000 | 0.000030000 | 192.168.136.139 | 218.172.82.253  | TCP      | 60     | 47026 → 80 [ACK] Seq=372 Ack=1183 Win=63828 Len=0                   |
| 5      | 4.015578000 | 4.002205000 | 192.168.136.139 | 118.214.255.18  | TCP      | 60     | 53490 → 80 [ACK] Seq=1 Ack=1 Win=63729 Len=0                        |
| 6      | 4.015823000 | 0.000245000 | 118.214.255.18  | 192.168.136.139 | TCP      | 66     | [TCP ACKed unseen segment] 80 → 53490 [ACK] Seq=1 Ack=2 Win=64240 L |
| 7      | 6.106300000 | 2.170450000 | 192.168.136.139 | 218.172.82.253  | HTTP     | 616    | POST /lab01.do HTTP/1.1 (application/x-www-form-urlencoded)         |
| 8      |             |             |                 | 192.168.136.139 | TCP      | 66     | 80 → 47026 [ACK] Seq=1183 Ack=928 Win=64240 Len=0                   |
| 9      |             |             |                 | 192.168.136.139 | HTTP     | 991    | HTTP/1.1 401 (text/html)                                            |
| 10     |             |             |                 | 218.172.82.253  | TCP      | 60     | 47026 → 80 [ACK] Seq=928 Ack=2114 Win=63828 Len=0                   |
| 11     |             |             |                 | 218.172.82.253  | HTTP     | 431    | GET /lab01.jsp HTTP/1.1                                             |

Clicking the > icon to collapse for more detail information of each column.

> Frame 1: 431 bytes on wire (3448 bits), 431 bytes captured (3448 bits)

> Linux cooked capture v2

> Internet Protocol Version 4, Src: 192.168.136.139, Dst: 218.172.82.253

> Transmission Control Protocol, Src Port: 47026, Dst Port: 80, Seq: 1, Ack: 1, Len:...

> Hypertext Transfer Protocol

00000000 08 00 00 00 00 00 00 02 00 01 04 06 00 0c 29 8d .....).

00000010 84 8a 00 00 45 00 01 9b 51 57 40 00 40 06 71 28 ....E... QW@.@.q(

00000020 c0 a8 88 8b da ac 52 fd b7 b2 00 50 0d 95 a1 5e .....R. ...P...^

00000030 0c e3 15 b8 50 18 f9 54 78 6b 00 00 47 45 54 20 ....P..T xk..GET.

00000040 2f 6c 61 62 30 31 2e 6a 73 70 20 48 54 54 50 2f /lab01.j sp.HTTP/

00000050 31 2e 31 0d 0a 48 6f 73 74 3a 20 6c 61 6e 63 61 1.1..Hos t:.lanca

00000060 73 74 65 72 2e 77 61 79 6e 65 63 68 69 75 2e 63 ster.way nechiu.c

00000070 63 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d c..User- Agent:.M

00000080 6f 7a 69 6c 6c 61 2f 35 2e 30 20 28 58 31 31 3b ozilla/5 0 (X11.

```
> GET /lab01.jsp HTTP/1.1\r\n
Host: lancaster.waynechiu.cc\r\n
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:134.0) Gecko/20100101 Firefox/...
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\n
Accept-Language: en-US,en;q=0.5\r\n
Accept-Encoding: gzip, deflate\r\n
DNT: 1\r\n
Sec-GPC: 1\r\n
```

|          |             |             |                         |          |           |
|----------|-------------|-------------|-------------------------|----------|-----------|
| 00000000 | 08 00 00 00 | 00 00 00 02 | 00 01 04 06 00 0c 29 8d | ....     | .....).   |
| 00000010 | 84 8a 00 00 | 45 00 01 9b | 51 57 40 00 40 06 71 28 | ....E... | QW@. @.q( |
| 00000020 | c0 a8 88 8b | da ac 52 fd | b7 b2 00 50 0d 95 a1 5e | .....R.  | ...P...^  |
| 00000030 | 0c e3 15 b8 | 50 18 f9 54 | 78 6b 00 00 47 45 54 20 | ....P..T | xk..GET.  |
| 00000040 | 2f 6c 61 62 | 30 31 2e 6a | 73 70 20 48 54 54 50 2f | /lab01.j | sp.HTTP/  |
| 00000050 | 31 2e 31 0d | 0a 48 6f 73 | 74 3a 20 6c 61 6e 63 61 | 1.1..Hos | t:..lanca |
| 00000060 | 73 74 65 72 | 2e 77 61 79 | 6e 65 63 68 69 75 2e 63 | ster.way | nechiu.c  |
| 00000070 | 63 0d 0a 55 | 73 65 72 2d | 41 67 65 6e 74 3a 20 4d | c..User- | Agent::M  |
| 00000080 | 6f 7a 69 6c | 6c 61 2f 35 | 2e 30 20 28 58 31 31 3b | ozilla/5 | 0 (X11    |

Tips: Write down information you figured valuable.

### 3. Try log into the system

#### Web Login

Username  
someuser

Password  
●●●●●●●●

Login

This Lab01 PCAP of Network Security  
lecture of Lancaster University

[View PCAP file for this lab.](#)

[I need instructions.](#)

## 4. Congratulation!

Well Done! You have completed the first lab.