

Requesting hello.html.

Filter: http

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|-------------|----------|-------------|----------|--------|----------------------------------|
| 8 | 16.04301100 | 10.0.0.2 | 10.0.0.1 | HTTP | 94 | GET /hello.html HTTP/1.1 |
| 10 | 16.04396600 | 10.0.0.1 | 10.0.0.2 | HTTP | 86 | HTTP/1.1 200 OK |
| 11 | 16.04543200 | 10.0.0.1 | 10.0.0.2 | HTTP | 627 | Continuation or non-HTTP traffic |

Frame 8: 94 bytes on wire (752 bits), 94 bytes captured (752 bits) on interface 0

Ethernet II, Src: 76:8f:2e:e5:b8:97 (76:8f:2e:e5:b8:97), Dst: 72:00:d0:b0:ff:df (72:00:d0:b0:ff:df)

Internet Protocol Version 4, Src: 10.0.0.2 (10.0.0.2), Dst: 10.0.0.1 (10.0.0.1)

Transmission Control Protocol, Src Port: 57982 (57982), Dst Port: http (80), Seq: 3019602120, Ack: 3976532125, Len: 28

Hypertext Transfer Protocol

host: h1

```
root@mininet-m1:~/p1# python server.py 10.0.0.1 80
Ready to serve...
Ready to serve...

```

host: h2

```
root@mininet-m2:~/p1# python client.py 10.0.0.1 80 hello.html
HTTP/1.1 200 OK

<!DOCTYPE html>
<html>
<head>
<title>Hello World</title>
</head>
<body>
<h1>Hello/Ad</h1>
<p>
Lorum ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod
tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,
quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo
consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse
cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non
proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
</p>
</body>
</html>
root@mininet-m2:~/p1#
```

0000 72 00 d0 b0 ff df 76 8f 2e c5 b8 97 08 00 45 00 f.....V
0010 00 50 dc 7a 40 00 40 06 4a 2b 0a 00 00 02 0a 00 .P.z@.@.J+.....
0020 00 01 e2 7e 00 50 b3 fb 78 c8 ed 05 10 9d 00 18 ...~.P..X.....
0030 00 3a 14 45 00 00 01 01 00 0a 00 3d a4 c0 00 3d ..E.....+...=

Requesting random.html.

Filter: http

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|--------------|----------|-------------|----------|--------|----------------------------------|
| 8 | 16.04301100 | 10.0.0.2 | 10.0.0.1 | HTTP | 94 | GET /hello.html HTTP/1.1 |
| 10 | 16.04396600 | 10.0.0.1 | 10.0.0.2 | HTTP | 86 | HTTP/1.1 200 OK |
| 11 | 16.04543200 | 10.0.0.1 | 10.0.0.2 | HTTP | 627 | Continuation or non-HTTP traffic |
| 38 | 196.86373900 | 10.0.0.2 | 10.0.0.1 | HTTP | 95 | GET /random.html HTTP/1.1 |
| 40 | 196.80427900 | 10.0.0.1 | 10.0.0.2 | HTTP | 93 | HTTP/1.1 404 NOT FOUND |

Frame 8: 94 bytes on wire (752 bits), 94 bytes captured (752 bits) on interface 0

Ethernet II, Src: 76:8f:2e:e5:b8:97 (76:8f:2e:e5:b8:97), Dst: 72:00:d0:b0:ff:df (72:00:d0:b0:ff:df)

Internet Protocol Version 4, Src: 10.0.0.2 (10.0.0.2), Dst: 10.0.0.1 (10.0.0.1)

Transmission Control Protocol, Src Port: 57982 (57982), Dst Port: http (80), Seq: 3019602120, Ack: 3976532125, Len: 28

Hypertext Transfer Protocol

host: h1

```
root@mininet-m1:~/p1# python server.py 10.0.0.1 80
Ready to serve...
Ready to serve...

```

host: h2

```
root@mininet-m2:~/p1# python client.py 10.0.0.1 80 random.html
HTTP/1.1 404 NOT FOUND

root@mininet-m2:~/p1#
```

0000 72 00 d0 b0 ff df 76 8f 2e c5 b8 97 08 00 45 00 f.....V
0010 00 50 dc 7a 40 00 40 06 4a 2b 0a 00 00 02 0a 00 .P.z@.@.J+.....
0020 00 01 e2 7e 00 50 b3 fb 78 c8 ed 05 10 9d 00 18 ...~.P..X.....
0030 00 3a 14 45 00 00 01 01 00 0a 00 3d a4 c0 00 3d ..E.....+...=