

Wireshark 1.8.2 (SVN Rev 44520 from /trunk-1.8)

Filter:  Expression... Clear Apply Save

No.	Time	Source	Destination	Protocol	Length	Info
46	325.030792	2001:6f8:102d:0:2d0:9ff:fee3:e8de	2001:6f8:900:7c0::2	TCP	94	59201 > http [SYN] Seq=0 win=5760 Len=0 M
47	325.030878	2001:6f8:900:7c0::2	2001:6f8:102d:0:2d0:9ff:fee3:e8de	TCP	82	http > 59201 [SYN, ACK] Seq=0 Ack=1 win=6
48	325.031166	2001:6f8:102d:0:2d0:9ff:fee3:e8de	2001:6f8:900:7c0::2	TCP	74	59201 > http [ACK] Seq=1 Ack=1 win=5760 L
49	325.040411	2001:6f8:102d:0:2d0:9ff:fee3:e8de	2001:6f8:900:7c0::2	HTTP	314	GET / HTTP/1.0
50	325.045496	2001:6f8:900:7c0::2	2001:6f8:102d:0:2d0:9ff:fee3:e8de	TCP	1506	[TCP segment of a reassembled PDU]
51	325.045525	2001:6f8:900:7c0::2	2001:6f8:102d:0:2d0:9ff:fee3:e8de	HTTP	901	HTTP/1.1 200 OK (text/html)

Frame 46: 94 bytes on wire (752 bits), 94 bytes captured (752 bits)

Ethernet II, Src: HsingTec\_e3:e8:de (00:d0:09:e3:e8:de), Dst: Ibm\_82:95:b5 (00:11:25:82:95:b5)

Internet Protocol Version 6, Src: 2001:6f8:102d:0:2d0:9ff:fee3:e8de (2001:6f8:102d:0:2d0:9ff:fee3:e8de), Dst: 2001:6f8:900:7c0::2 (2001:6f8:900:7c0::2)

0110 .... = Version: 6

.... 0000 0000 .... = Traffic class: 0x00000000

.... 0000 0000 0000 0000 0000 0000 = Flowlabel: 0x00000000

Payload length: 40

Next header: TCP (6)

Hop limit: 64

Source: 2001:6f8:102d:0:2d0:9ff:fee3:e8de (2001:6f8:102d:0:2d0:9ff:fee3:e8de)

[Source SA MAC: HsingTec\_e3:e8:de (00:d0:09:e3:e8:de)]

Destination: 2001:6f8:900:7c0::2 (2001:6f8:900:7c0::2)

[Source GeoIP: Unknown]

[Destination GeoIP: Unknown]

Transmission Control Protocol, Src Port: 59201 (59201), Dst Port: http (80), Seq: 0, Len: 0

0000 00 11 25 82 95 b5 00 d0 09 e3 e8 de 86 dd 60 00 ..%. .... .

0010 00 00 00 28 06 40 20 01 06 f8 10 2d 00 00 02 d0 ..(.@ .-...

0020 09 ff fe e3 e8 de 20 01 06 f8 09 00 07 c0 00 00 .....A.P....

0030 00 00 00 00 00 02 e7 41 00 50 ab dc d6 60 00 00 .....A.....

0040 00 00 a0 02 16 80 41 a2 00 00 02 04 05 a0 04 02 .....". ....

0050 08 0a 00 0a 22 a8 00 00 00 00 01 03 03 05 ..... .....

Internet Protocol Version 6 (IPv6), 40 bytes    Packets: 55 Displayed: 55 Mark...    Profile: Default

Capture 1 displays the contents of packet number 46 in this sample capture. The packet contains the initial message of the TCP 3-way handshake between an IPv6 host and an IPv6 server. Notice the values in the expanded IPv6 header section. Also notice how this is a TCP packet and that it does not contain any other information beyond the TCP section.

Wireshark 1.8.2 (SVN Rev 44520 from /trunk-1.8)

Filter:  Expression... Clear Apply Save

No.	Time	Source	Destination	Protocol	Length	Info
47	325.030878	2001:6f8:900:7c0::2	2001:6f8:102d:0:2d0:9ff:fee3:e8de	TCP	82	http > 59201 [SYN, ACK] Seq=0 Ack=1 win=6
48	325.031166	2001:6f8:102d:0:2d0:9ff:fee3:e8de	2001:6f8:900:7c0::2	TCP	74	59201 > http [ACK] Seq=1 Ack=1 win=5760 L
49	325.040411	2001:6f8:102d:0:2d0:9ff:fee3:e8de	2001:6f8:900:7c0::2	HTTP	314	GET / HTTP/1.0
50	325.045496	2001:6f8:900:7c0::2	2001:6f8:102d:0:2d0:9ff:fee3:e8de	TCP	1506	[TCP segment of a reassembled PDU]
51	325.045525	2001:6f8:900:7c0::2	2001:6f8:102d:0:2d0:9ff:fee3:e8de	HTTP	901	HTTP/1.1 200 OK (text/html)
52	325.045627	2001:6f8:900:7c0::2	2001:6f8:102d:0:2d0:9ff:fee3:e8de	TCP	74	http > 59201 [FIN, ACK] Seq=2260 Ack=241

Frame 49: 314 bytes on wire (2512 bits), 314 bytes captured (2512 bits)

Ethernet II, Src: HsingTec\_e3:e8:de (00:d0:09:e3:e8:de), Dst: Ibm\_82:95:b5 (00:11:25:82:95:b5)

Internet Protocol Version 6, Src: 2001:6f8:102d:0:2d0:9ff:fee3:e8de (2001:6f8:102d:0:2d0:9ff:fee3:e8de), Dst: 2001:6f8:900:7c0::2 (2001:6f8:900:7c0::2)

0110 .... = Version: 6

.... 0000 0000 .... = Traffic class: 0x00000000

.... 0000 0000 0000 0000 0000 0000 = Flowlabel: 0x00000000

Payload length: 260

Next header: TCP (6)

Hop limit: 64

Source: 2001:6f8:102d:0:2d0:9ff:fee3:e8de (2001:6f8:102d:0:2d0:9ff:fee3:e8de)

[Source SA MAC: HsingTec\_e3:e8:de (00:d0:09:e3:e8:de)]

Destination: 2001:6f8:900:7c0::2 (2001:6f8:900:7c0::2)

[Source GeoIP: Unknown]

[Destination GeoIP: Unknown]

Transmission Control Protocol, Src Port: 59201 (59201), Dst Port: http (80), Seq: 1, Ack: 1, Len: 240

Hypertext Transfer Protocol

```

0000  00 11 25 82 95 b5 00 d0 09 e3 e8 de 86 dd 60 00  ..%.....
0010  00 00 01 04 06 40 20 01 06 f8 10 2d 00 00 02 d0  ....@.....
0020  09 ff fe e3 e8 de 20 01 06 f8 09 00 07 c0 00 00  .....-....
0030  00 00 00 00 00 02 e7 41 00 50 ab dc d6 61 01 4a  .....A.P...a.J
0040  73 9f 50 18 16 80 f4 48 00 00 47 45 54 20 2f 20  S.P....H..GET /
0050  48 54 54 50 2f 31 2e 30 0d 0a 48 6f 73 74 3a 20  HTTP/1.0 ..Host:
0060  63 6c 2d 31 39 38 35 2e 68 61 6d 2d 30 31 2e 64  c1-1985. ham-01.d
0070  65 2e 73 69 78 78 73 2e 6e 65 74 0d 0a 41 63 63  e.sixxs. net..Acc

```

Internet Protocol Version 6 (IPv6), 40 bytes

Packets: 55 Displayed: 55 Mark...

Profile: Default

Capture 2 displays the contents of packet number 49 in this sample capture. The packet contains the initial HyperText Transfer Protocol (HTTP) GET message to the server. Notice how this is an HTTP packet and that it now contains information beyond the TCP section.



Wireshark 1.8.2 (SVN Rev 44520 from /trunk-1.8)

File Edit View Go Capture Analyze Statistics Telephony Tools Internals Help

Filter: Expression... Clear Apply Save

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	fe80::211:25ff:fe82:95b5	ff02::1:ff82:95b5	ICMPv6	86	Neighbor Solicitation for 2001:6f8:102d:0:1033:c4c:7e:ff02::fb
2	0.999613	fe80::211:25ff:fe82:95b5	ff02::1:ff82:95b5	ICMPv6	86	Neighbor Solicitation for 2001:6f8:102d:0:1033:c4c:7e:ff02::fb
3	1.999505	fe80::211:25ff:fe82:95b5	ff02::1:ff82:95b5	ICMPv6	86	Neighbor Solicitation for 2001:6f8:102d:0:1033:c4c:7e:ff02::fb
4	18.895689	fe80::2d0:9ff:fee3:e8de	ff02::16	ICMPv6	90	Multicast Listener Report Message v2
5	19.315577	::	ff02::1:ff98:6e1	ICMPv6	78	Neighbor Solicitation for 2001:6f8:102d:0:1033:c4c:7e:ff02::fb
6	20.446065	2001:6f8:102d:0:1033:c4c:7e:ff02::fb	2001:6f8:102d:0:1033:c4c:7e:ff02::fb	MDNS	211	Standard query 0x0000 ANY 1.e.6.0.8.9.e
7	20.447312	2001:6f8:102d:0:1033:c4c:7e:ff02::fb	2001:6f8:102d:0:1033:c4c:7e:ff02::fb	MDNS	102	Standard query response 0x0000 1.e.6.0.8.9.e

Frame 1: 86 bytes on wire (688 bits), 86 bytes captured (688 bits)

Ethernet II, Src: Ibm\_82:95:b5 (00:11:25:82:95:b5), Dst: IPv6mcast\_ff:82:95:b5 (33:33:ff:82:95:b5)

Internet Protocol Version 6, Src: fe80::211:25ff:fe82:95b5 (fe80::211:25ff:fe82:95b5), Dst: ff02::1:ff82:95b5 (ff02::1:ff82:95b5)

0110 .... = Version: 6

.... 0000 0000 .... = Traffic class: 0x00000000

.... 0000 0000 0000 0000 0000 0000 = Flowlabel: 0x00000000

Payload length: 32

Next header: ICMPv6 (58)

Hop limit: 255

Source: fe80::211:25ff:fe82:95b5 (fe80::211:25ff:fe82:95b5)

[Source SA MAC: Ibm\_82:95:b5 (00:11:25:82:95:b5)]

Destination: ff02::1:ff82:95b5 (ff02::1:ff82:95b5)

[Source GeoIP: Unknown]

[Destination GeoIP: Unknown]

Internet Control Message Protocol v6

```

0000  33 33 ff 82 95 b5 00 11 25 82 95 b5 86 dd 60 00  33.....%.....
0010  00 00 00 20 3a ff fe 80 00 00 00 00 00 02 11  ..:..%.....
0020  25 ff fe 82 95 b5 ff 02 00 00 00 00 00 00 00  %.....
0030  00 01 ff 82 95 b5 87 00 79 e6 00 00 00 00 20 01  ....y.....
0040  06 f8 10 2d 00 00 02 11 25 ff fe 82 95 b5 01 01  ...-...%.....
0050  00 11 25 82 95 b5  ..%...

```

Internet Protocol Version 6 (IPv6), 40 bytes | Packets: 55 Displayed: 55 Mark... | Profile: Default

Capture 3 displays the contents of packet number 1 in this sample capture. The sample packet is an ICMPv6 Neighbor Solicitation message. Notice how there is no TCP or UDP information.