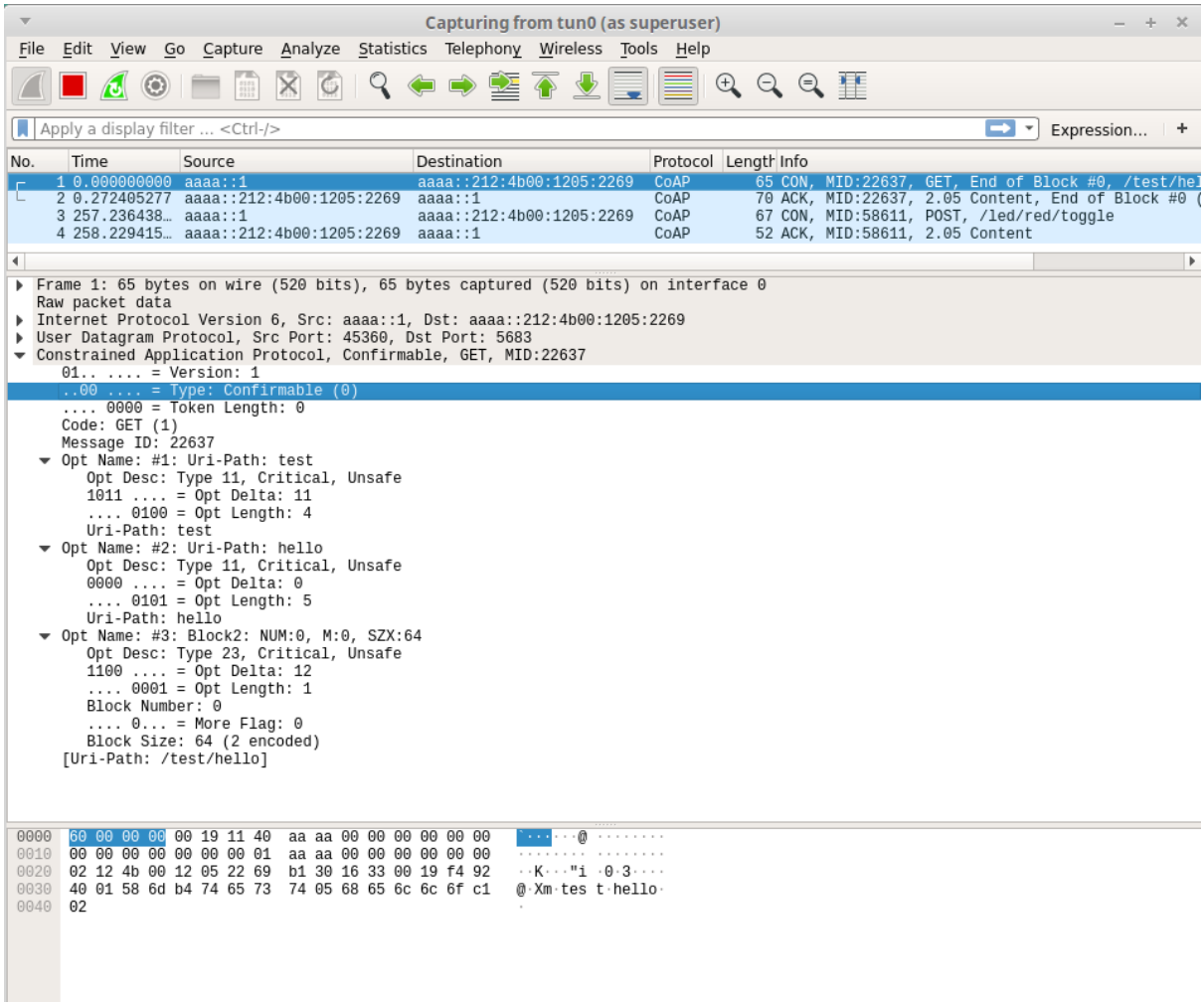
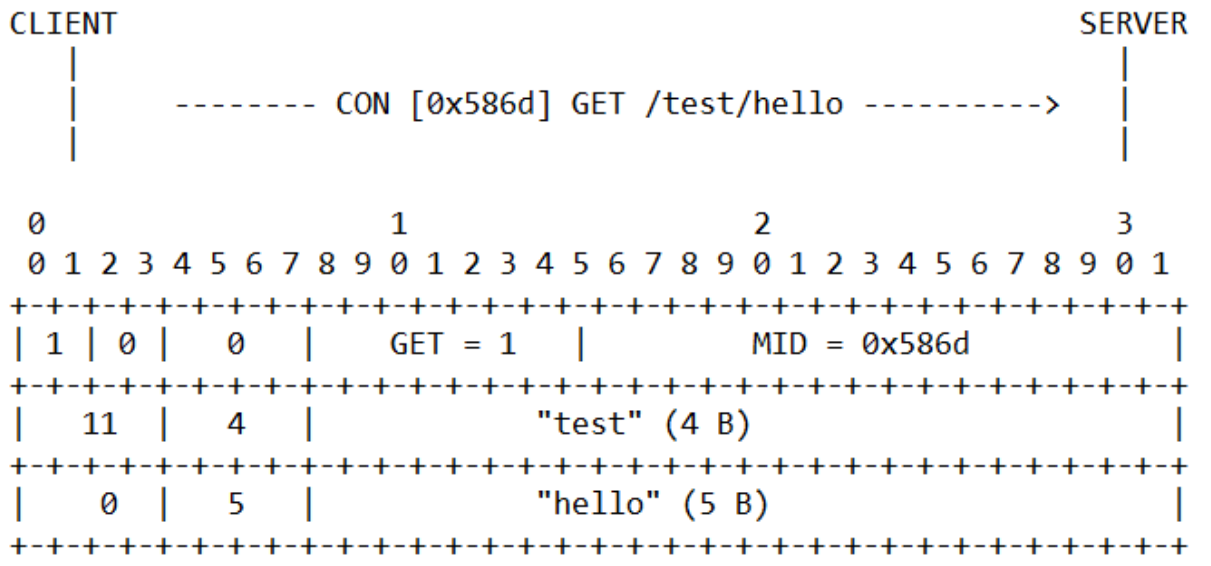
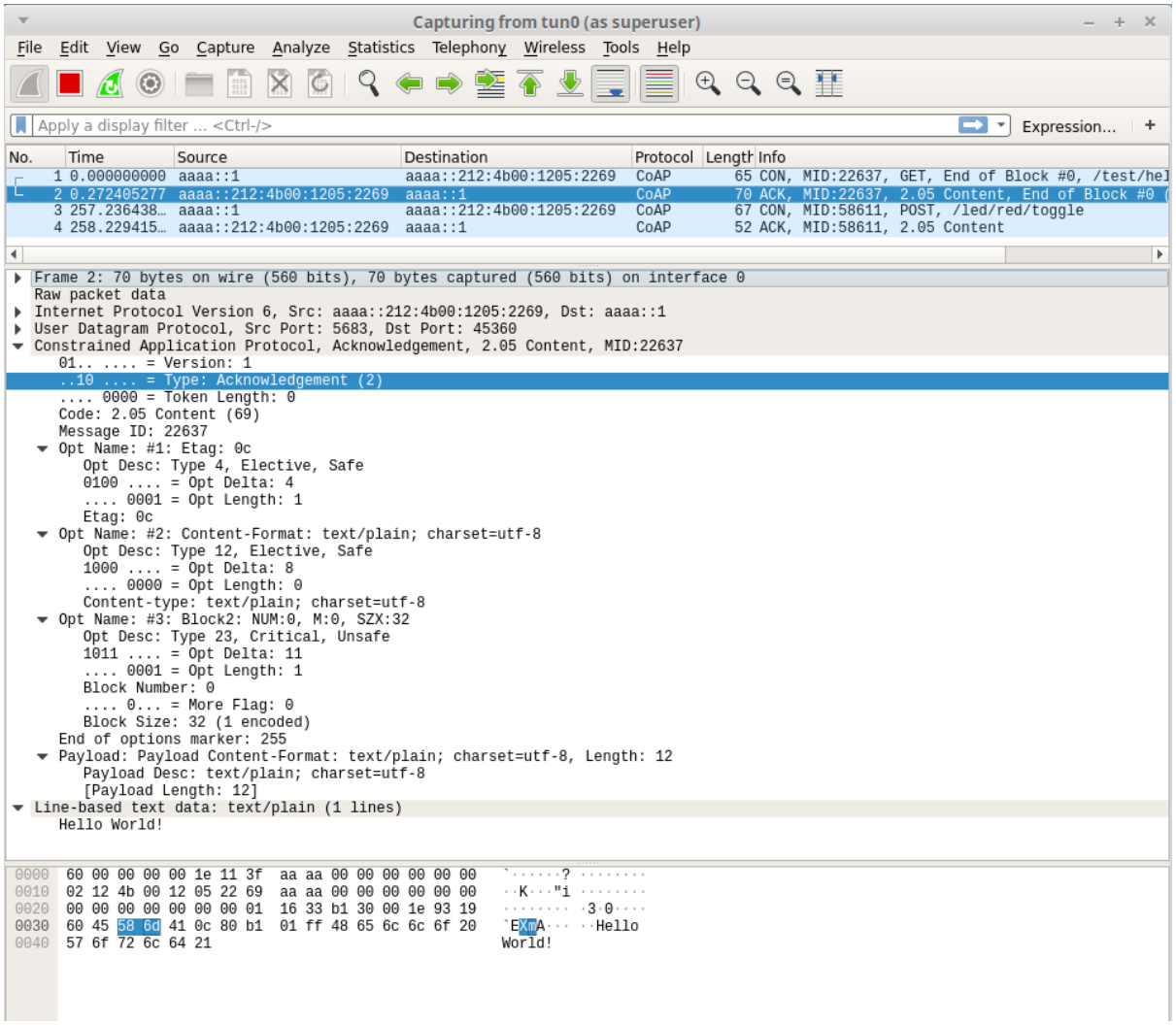
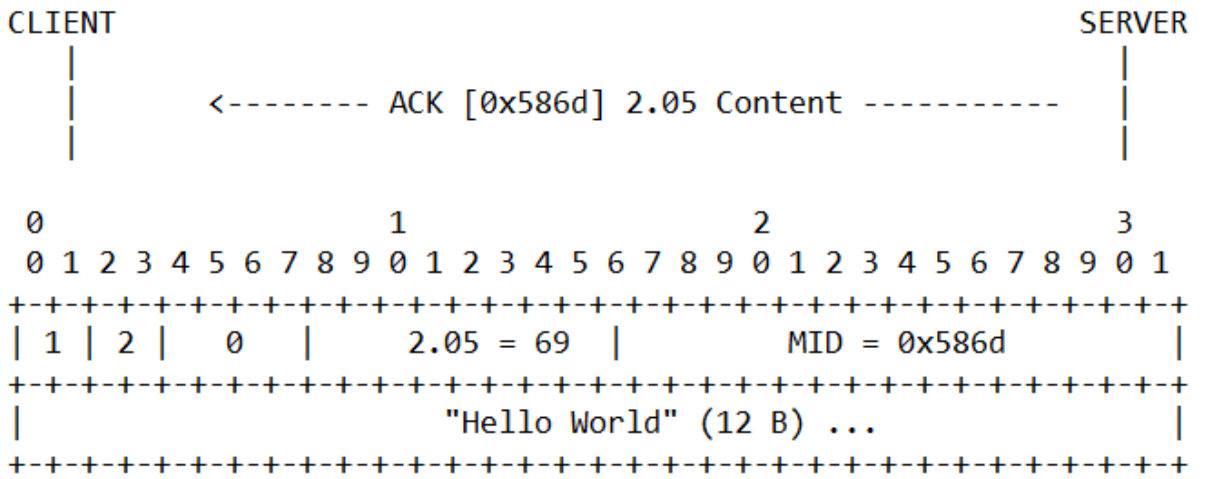
GET_CON


Capturing from tun0 (as superuser)
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Expression...
No. Time Source Destination Protocol Length Info
1 0.000000000 aaaa::1 aaaa::212:4b00:1205:2269 CoAP 65 CON, MID:22637, GET, End of Block #0, /test/hel
2 0.272405277 aaaa::212:4b00:1205:2269 aaaa::1 CoAP 70 ACK, MID:22637, 2.05 Content, End of Block #0 (
3 257.236438… aaaa::1 aaaa::212:4b00:1205:2269 CoAP 67 CON, MID:58611, POST, /led/red/toggle
4 258.229415… aaaa::212:4b00:1205:2269 aaaa::1 CoAP 52 ACK, MID:58611, 2.05 Content
Frame 1: 65 bytes on wire (520 bits), 65 bytes captured (520 bits) on interface 0
Raw packet data
Internet Protocol Version 6, Src: aaaa::1, Dst: aaaa::212:4b00:1205:2269
User Datagram Protocol, Src Port: 45360, Dst Port: 5683
Constrained Application Protocol, Confirmable, GET, MID:22637
01.. .... = Version: 1
..00 .... = Type: Confirmable (0)
.... 0000 = Token Length: 0
Code: GET (1)
Message ID: 22637
Opt Name: #1: Uri-Path: test
Opt Desc: Type 11, Critical, Unsafe
1011 .... = Opt Delta: 11
.... 0100 = Opt Length: 4
Uri-Path: test
Opt Name: #2: Uri-Path: hello
Opt Desc: Type 11, Critical, Unsafe
0000 .... = Opt Delta: 0
.... 0101 = Opt Length: 5
Uri-Path: hello
Opt Name: #3: Block2: NUM:0, M:0, SZX:64
Opt Desc: Type 23, Critical, Unsafe
1100 .... = Opt Delta: 12
.... 0001 = Opt Length: 1
Block Number: 0
.... 0... = More Flag: 0
Block Size: 64 (2 encoded)
[Uri-Path: /test/hello]
0000 60 00 00 00 00 19 11 40 aa aa 00 00 00 00 00 00
0010 00 00 00 00 00 00 00 01 aa aa 00 00 00 00 00 00
0020 02 12 4b 00 12 05 22 69 b1 30 16 33 00 19 f4 92
0030 40 01 58 6d b4 74 65 73 74 05 68 65 6c 6c 6f c1
0040 02

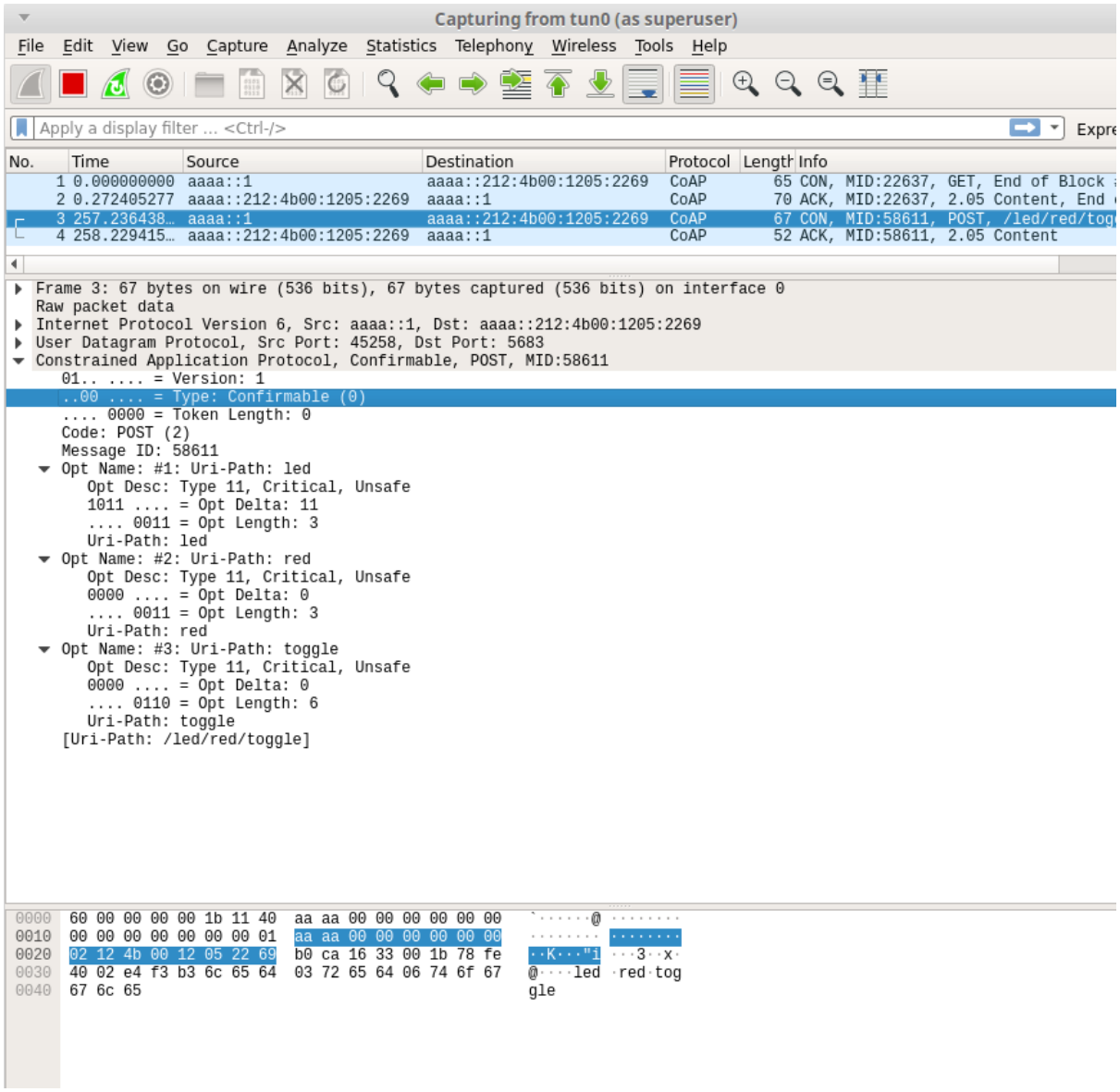

CLIENT
SERVER
-------- CON [0x586d] GET /test/hello ---------->
0 1 2 3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
1	0	0	GET = 1	MID = 0x586d
11	4	"test" (4 B)
0	5	"hello" (5 B)

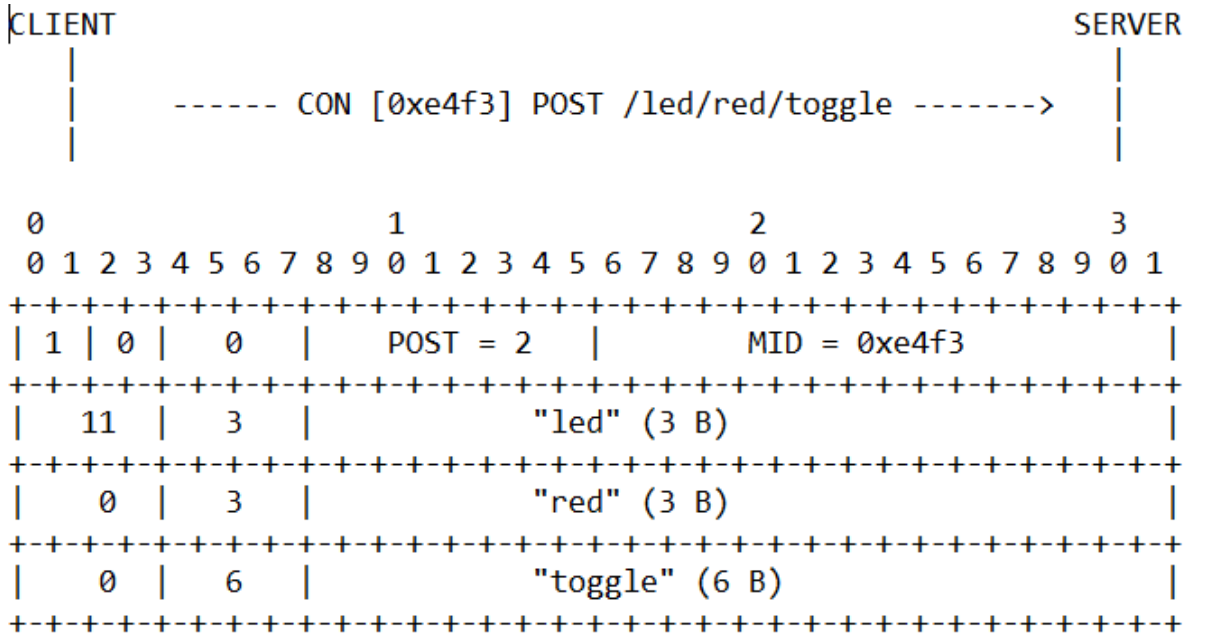
GET_ACK


Capturing from tun0 (as superuser)
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Expression...
No. Time Source Destination Protocol Length Info
1 0.000000000 aaaa::1 aaaa::212:4b00:1205:2269 CoAP 65 CON, MID:22637, GET, End of Block #0, /test/hel
2 0.272405277 aaaa::212:4b00:1205:2269 aaaa::1 CoAP 70 ACK, MID:22637, 2.05 Content, End of Block #0
3 257.236438… aaaa::1 aaaa::212:4b00:1205:2269 CoAP 67 CON, MID:58611, POST, /led/red/toggle
4 258.229415… aaaa::212:4b00:1205:2269 aaaa::1 CoAP 52 ACK, MID:58611, 2.05 Content
Frame 2: 70 bytes on wire (560 bits), 70 bytes captured (560 bits) on interface 0
Raw packet data
Internet Protocol Version 6, Src: aaaa::212:4b00:1205:2269, Dst: aaaa::1
User Datagram Protocol, Src Port: 5683, Dst Port: 45360
Constrained Application Protocol, Acknowledgement, 2.05 Content, MID:22637
01.. .... = Version: 1
..10 .... = Type: Acknowledgement (2)
.... 0000 = Token Length: 0
Code: 2.05 Content (69)
Message ID: 22637
Opt Name: #1: Etag: 0c
Opt Desc: Type 4, Elective, Safe
0100 .... = Opt Delta: 4
.... 0001 = Opt Length: 1
Etag: 0c
Opt Name: #2: Content-Format: text/plain; charset=utf-8
Opt Desc: Type 12, Elective, Safe
1000 .... = Opt Delta: 8
.... 0000 = Opt Length: 0
Content-type: text/plain; charset=utf-8
Opt Name: #3: Block2: NUM:0, M:0, SZX:32
Opt Desc: Type 23, Critical, Unsafe
1011 .... = Opt Delta: 11
.... 0001 = Opt Length: 1
Block Number: 0
.... 0... = More Flag: 0
Block Size: 32 (1 encoded)
End of options marker: 255
Payload: Payload Content-Format: text/plain; charset=utf-8, Length: 12
Payload Desc: text/plain; charset=utf-8
[Payload Length: 12]
Line-based text data: text/plain (1 lines)
Hello World!
0000 60 00 00 00 00 1e 11 3f aa aa 00 00 00 00 00 00
0010 02 12 4b 00 12 05 22 69 aa aa 00 00 00 00 00 00
0020 00 00 00 00 00 00 00 01 16 33 b1 30 00 1e 93 19
0030 60 45 58 6d 41 0c 80 b1 01 ff 48 65 6c 6c 6f 20
0040 57 6f 72 6c 64 21
Hello
World!

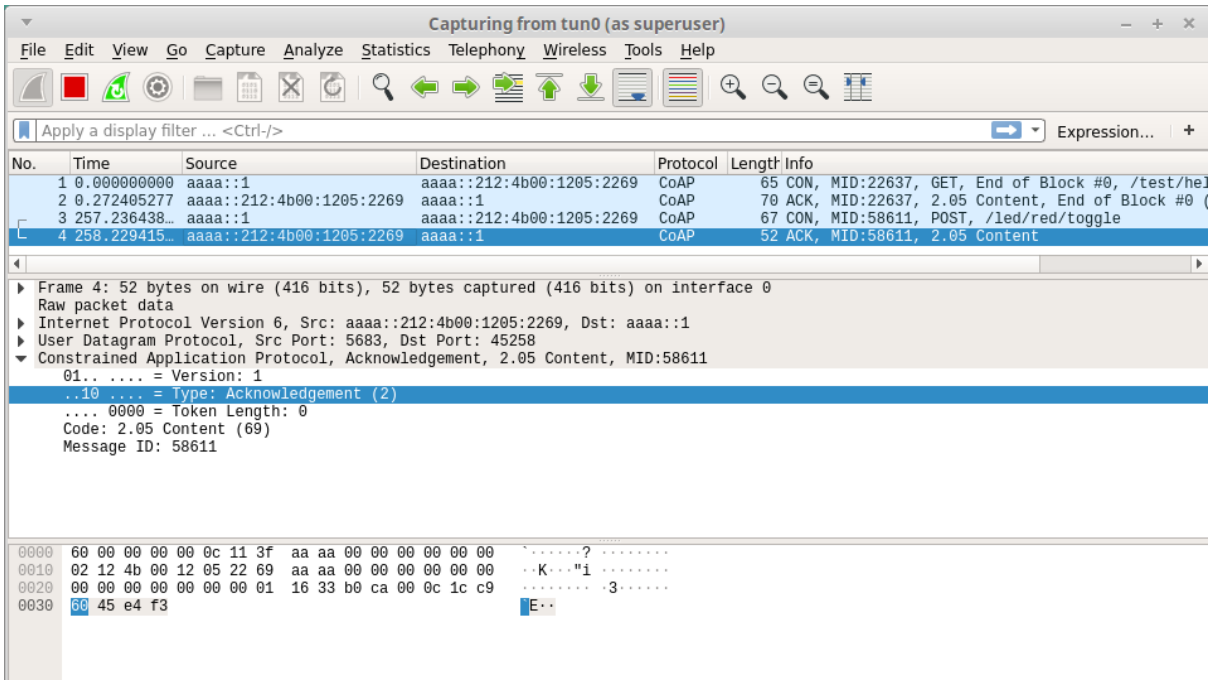

CLIENT
SERVER
<-------- ACK [0x586d] 2.05 Content -----------
0 1 2 3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
1 2 0 2.05 = 69 MID = 0x586d
"Hello World" (12 B) ...

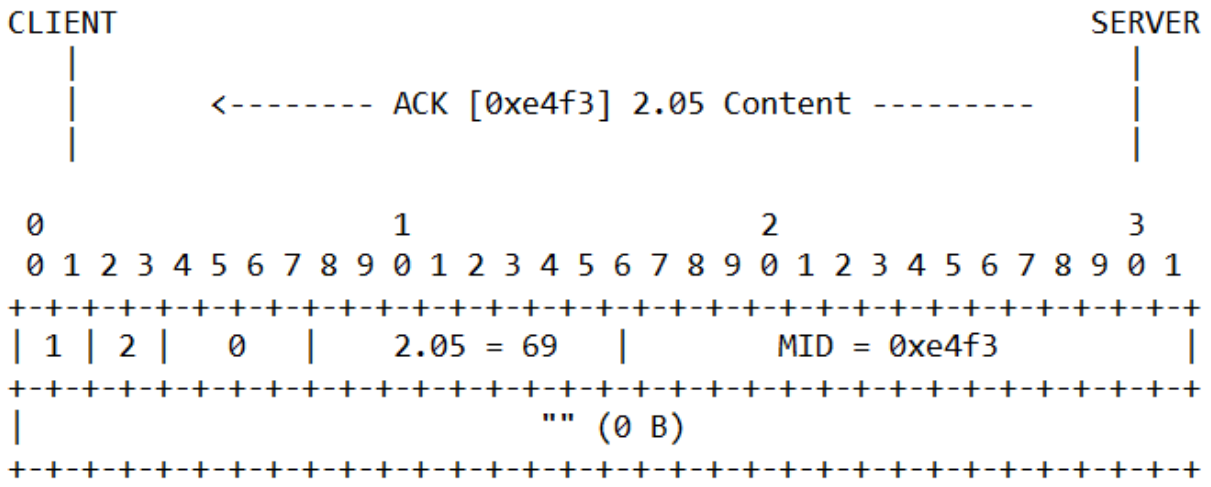
POST_CON


Capturing from tun0 (as superuser)
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Length Info
1 0.000000000 aaaa::1 aaaa::212:4b00:1205:2269 CoAP 65 CON, MID:22637, GET, End of Block
2 0.272405277 aaaa::212:4b00:1205:2269 aaaa::1 CoAP 70 ACK, MID:22637, 2.05 Content, End
3 257.236438… aaaa::1 aaaa::212:4b00:1205:2269 CoAP 67 CON, MID:58611, POST, /led/red/tog
4 258.229415… aaaa::212:4b00:1205:2269 aaaa::1 CoAP 52 ACK, MID:58611, 2.05 Content
Frame 3: 67 bytes on wire (536 bits), 67 bytes captured (536 bits) on interface 0
Raw packet data
Internet Protocol Version 6, Src: aaaa::1, Dst: aaaa::212:4b00:1205:2269
User Datagram Protocol, Src Port: 45258, Dst Port: 5683
Constrained Application Protocol, Confirmable, POST, MID:58611
01.. .... = Version: 1
..00 .... = Type: Confirmable (0)
.... 0000 = Token Length: 0
Code: POST (2)
Message ID: 58611
Opt Name: #1: Uri-Path: led
Opt Desc: Type 11, Critical, Unsafe
1011 .... = Opt Delta: 11
.... 0011 = Opt Length: 3
Uri-Path: led
Opt Name: #2: Uri-Path: red
Opt Desc: Type 11, Critical, Unsafe
0000 .... = Opt Delta: 0
.... 0011 = Opt Length: 3
Uri-Path: red
Opt Name: #3: Uri-Path: toggle
Opt Desc: Type 11, Critical, Unsafe
0000 .... = Opt Delta: 0
.... 0110 = Opt Length: 6
Uri-Path: toggle
[Uri-Path: /led/red/toggle]
0000 60 00 00 00 00 1b 11 40 aa aa 00 00 00 00 00 00
0010 00 00 00 00 00 00 00 01 aa aa 00 00 00 00 00 00
0020 02 12 4b 00 12 05 22 69 b0 ca 16 33 00 1b 78 fe
0030 40 02 e4 f3 b3 6c 65 64 03 72 65 64 06 74 6f 67
0040 67 6c 65


CLIENT
SERVER
------ CON [0xe4f3] POST /led/red/toggle ------->
0 1 2 3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
1 0 0 POST = 2 MID = 0xe4f3
11 3 "led" (3 B)
0 3 "red" (3 B)
0 6 "toggle" (6 B)

POST_ACK


Capturing from tun0 (as superuser)
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Expression...
No. Time Source Destination Protocol Length Info
1 0.000000000 aaaa::1 aaaa::212:4b00:1205:2269 CoAP 65 CON, MID:22637, GET, End of Block #0, /test/hel
2 0.272405277 aaaa::212:4b00:1205:2269 aaaa::1 CoAP 70 ACK, MID:22637, 2.05 Content, End of Block #0 (
3 257.236438… aaaa::1 aaaa::212:4b00:1205:2269 CoAP 67 CON, MID:58611, POST, /led/red/toggle
4 258.229415… aaaa::212:4b00:1205:2269 aaaa::1 CoAP 52 ACK, MID:58611, 2.05 Content
Frame 4: 52 bytes on wire (416 bits), 52 bytes captured (416 bits) on interface 0
Raw packet data
Internet Protocol Version 6, Src: aaaa::212:4b00:1205:2269, Dst: aaaa::1
User Datagram Protocol, Src Port: 5683, Dst Port: 45258
Constrained Application Protocol, Acknowledgement, 2.05 Content, MID:58611
01.. .... = Version: 1
..10 .... = Type: Acknowledgement (2)
.... 0000 = Token Length: 0
Code: 2.05 Content (69)
Message ID: 58611
0000 60 00 00 00 00 0c 11 3f aa aa 00 00 00 00 00 00
0010 02 12 4b 00 12 05 22 69 aa aa 00 00 00 00 00 00
0020 00 00 00 00 00 00 01 16 33 b0 ca 00 0c 1c c9
0030 60 45 e4 f3


CLIENT
SERVER
<-------- ACK [0xe4f3] 2.05 Content ---------
0 1 2 3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
| 1 | 2 | 0 | 2.05 = 69 | MID = 0xe4f3 |
"" (0 B)