

Display filter tcp.stream eq 0 already applied.

The image shows the Wireshark network protocol analyzer interface. The main window displays a packet capture named 'load test.pcap'. The filter bar at the top left shows 'tcp.stream eq 0' is applied. A context menu is open over a selected packet (No. 13), with the 'Selected' option highlighted in green. The packet list pane shows a series of packets, including SYN, ACK, and SMPP packets. The packet details pane on the left shows the structure of the selected SMPP packet, including fields like Length, Operation, Sequence #, System ID, Password, System type, Version, Type of number, and Numbering plan indicator. The packet bytes pane at the bottom shows the raw hexadecimal and ASCII data of the selected packet.

| No. | Time     | Destination    | Protocol | Length | Info  |
|-----|----------|----------------|----------|--------|---|
| 1   | 0.000000 | 192.168.254.10 | TCP      | 62     | stonefalls > 62775 [SYN] Seq=0 win=64380 Len=0 MSS=1260 SACK_PERM=1 |
| 2   | 0.027467 | 192.168.254.4  | TCP      | 62     | 62775 > stonefalls [SYN, ACK] Seq=0 Ack=1 win=14600 Len=0 MSS=1460  |
| 3   | 0.027499 | 192.168.254.10 | TCP      | 54     | stonefalls > 62775 [ACK] Seq=1 Ack=1 win=64380 Len=0                |
| 4   | 0.028563 | 192.168.254.10 | SMPP     | 94     | SMPP Bind_transceiver   |
| 5   | 0.036920 | 192.168.254.4  | TCP      | 54     | 62775 > stonefalls [ACK] Seq=1 Ack=41 win=14600 Len=0               |
| 12  | 0.281098 | 192.168.254.4  | SMPP     | 89     | SMPP Bind_transceiver - resp: "Ok"                                  |
| 13  | 0.528278 | 192.168.254.10 | TCP      | 54     | stonefalls > 62775 [ACK] Seq=41 Ack=36 win=64345 Len=0              |
| 14  | 2.387499 | 192.168.254.10 | SMPP     | 168    | SMPP submit_sm  |
| 15  | 2.396647 | 192.168.254.10 | SMPP     | 1314   | SMPP submit_sm, submit_sm, submit_sm, submit_sm, submit_sm, submit_ |
| 16  | 2.396780 | 192.168.254.10 | SMPP     | 162    | SMPP Submit_sm  |
| 17  | 2.398268 | 192.168.254.4  | TCP      | 54     | 62775 > stonefalls [ACK] Seq=36 Ack=155 win=14600 Len=0             |
| 18  | 2.398300 | 192.168.254.10 | SMPP     | 168    | SMPP Submit_sm  |
| 23  | 2.400118 | 192.168.254.4  | TCP      | 54     | 62775 > stonefalls [ACK] Seq=36 Ack=1415 win=16380 Len=0            |
| 24  | 2.400153 | 192.168.254.10 | SMPP     | 282    | SMPP submit_sm, submit_sm   |
| 25  | 2.401201 | 192.168.254.4  | TCP      | 54     | 62775 > stonefalls [ACK] Seq=36 Ack=1523 win=16380 Len=0            |
| 26  | 2.401225 | 192.168.254.10 | SMPP     | 282    | SMPP submit_sm, submit_sm   |

Short Message Peer  
Length: 40  
Operation: Bind\_t  
Sequence #: 1  
System ID: Abhik  
Password: password  
System type: Test  
Version (if): 3.4  
Type of number: Unknown (0x00)  
Numbering plan indicator: Unknown (0x00)

```
0000 74 e5 0b b5 93 2e 00 21 6a 5b 42 52 08 00 45 00  t.....! j[BR...E.  
0010 00 50 93 59 40 00 80 06 e9 ed c0 a8 fe 04 c0 a8  .P.Y@... ..  
0020 fe 0a 0b aa f5 37 ff 17 69 8c 89 24 36 f1 50 18  ....7.. i..$.P.  
0030 fb 7c 1c bc 00 00 00 00 00 28 0c 00 00 09 00 00  .|......(.....  
0040 00 00 00 00 00 01 41 62 68 69 6b 00 70 61 73 73  .....Ab hik.pass  
0050 77 6f 72 64 00 54 65 73 74 00 34 00 00 00 00  word.Tes t.4...
```

## Results narrowed down by adding onto the existing display filter...

The screenshot shows the Wireshark interface with the file 'load test.pcap' open. The filter bar contains the expression '(tcp.stream eq 0) && (smpp.system\_id == "Abhik")'. The packet list pane shows a single packet:

| No. | Time     | Source        | Destination    | Protocol | Length | Info                  |
|-----|----------|---------------|----------------|----------|--------|-----------------------|
| 4   | 0.028563 | 192.168.254.4 | 192.168.254.10 | SMPP     | 94     | SMPP Bind_transceiver |

The packet details pane shows the structure of the SMPP Bind\_transceiver command:

- Short Message Peer to Peer, Command: Bind\_transceiver, Seq: 1, Len: 40
- Length: 40
- operation: Bind\_transceiver (0x00000009)
- Sequence #: 1
- System ID: Abhik
- Password: password
- System type: Test
- Version (if): 3.4
- Type of number: Unknown (0x00)
- Numbering plan indicator: Unknown (0x00)

Below the fields is a hex dump of the packet data:

```
0000 74 e5 0b b5 93 2e 00 21 6a 5b 42 52 08 00 45 00  t.....! j[BR..E.
0010 00 50 93 59 40 00 80 06 e9 ed c0 a8 fe 04 c0 a8  .P.Y@... ..
0020 fe 0a 0b aa f5 37 ff 17 69 8c 89 24 36 f1 50 18  ....7.. i..$6.P.
0030 fb 7c 1c bc 00 00 00 00 00 28 00 00 00 09 00 00  .|..... .(.....
0040 00 00 00 00 00 01 41 62 68 69 6b 00 70 61 73 73  ....Ab hik.pass
0050 77 6f 72 64 00 54 65 73 74 00 34 00 00 00 00  word.Tes t.4...
```

The status bar at the bottom indicates: File: "C:\Documents and Settings\sarkara\Desktop\Development\AAG Ad Insertion\load te... Packets: 5483 ... Profile: Default