

3rdSimplewebpagerequestandresponsefollowtcpstream.pcapng

- Sender is: 180.149.59.136 (assumption: sender is server)
- Receiver is: 10.21.24.231 (assumption: receiver is client who receives HTTP response)
- Many requests are made and many responses are received.
 1. success.txt
 2. lastpage.html
 3. favicon.ico
 4. success.txt (2nd time)
- POST requests were also made by the client. The responses were received via OCSP protocol. *Note - I haven't showed the response message here as the html text received could not be copied.*

6thSimpleSMTP.pcapng

- email sender: 10.0.0.3, 10.0.0.2
- server: 10.0.0.1
- mail content:

10.0.0.2:

mail from: abc@123.com

mail to: dfg@123.com

data: here is one more message

10.0.0.3:

from: 123@abc.com

to: 456@abc.com

data: Hi CS2310

9thMultichatclientservercapture.pcapng

- hosts with IP addresses: 10.0.0.[1-4]
- we can say `ip.src == 10.0.0.1`, this filters out packets where 10.0.0.1 is source.
- Handshaking packets can be guessed by checking packets that look different than usual packets. Here are some of them:

```
22 21.386902351 10.0.0.1 10.0.0.3 TCP 74 2222 → 35936 [SYN, ACK] Seq=0 Ack=1 Win=28960  
Len=0 MSS=1460 SACK_PERM=1 TSval=3940330718 TSecr=2189746675 WS=512
```

```
37 42.218025739 10.0.0.1 10.0.0.4 TCP 74 2222 → 57348 [SYN, ACK] Seq=0 Ack=1 Win=28960  
Len=0 MSS=1460 SACK_PERM=1 TSval=3049298629 TSecr=3690765773 WS=512
```

- host ip 10.0.0.1 asks every newly joined host for their name. And once the host enters it's name,

10.0.0.1 **says** Welcome <name> to our chat room..To leave enter /quit in a new line.