Networks

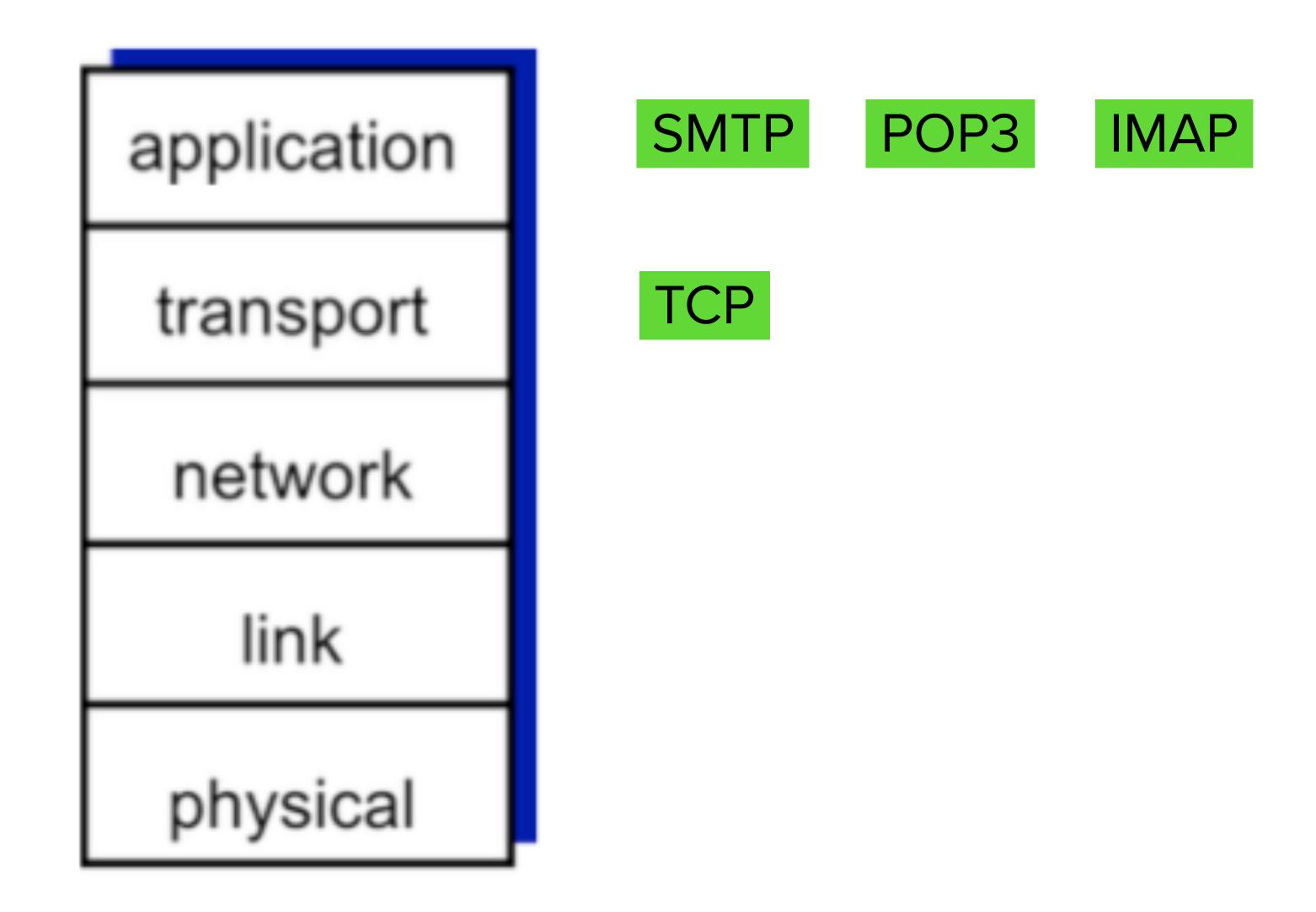
Lab5 - SMTP protocol

Lab goal:

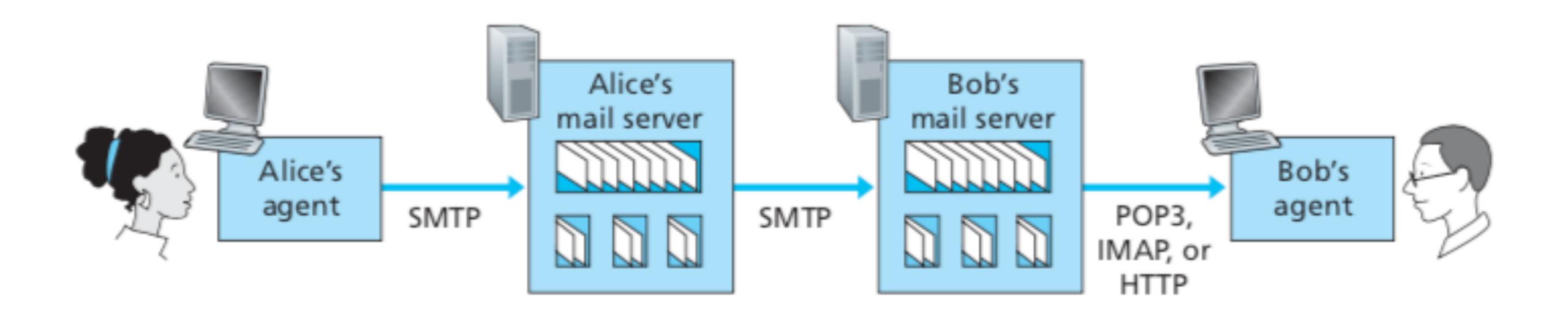
1 - Explore SMTP protocol

2 - Send email using SMTP protocol

TCP/IP stack



E-mail protocols and their communicating entities



SMTP transport example

```
S: 220 smtp.example.com ESMTP Postfix
C: HELO relay.example.com
S: 250 smtp.example.com, I am glad to meet you
C: MAIL FROM:<bob@example.com>
S: 250 Ok
C: RCPT TO:<alice@example.com>
S: 250 Ok
C: RCPT TO:<theboss@example.com>
S: 250 Ok
C: DATA
S: 354 End data with <CR><LF>.<CR><LF>
C: From: "Bob Example" <bob@example.com>
C: To: Alice Example <alice@example.com>
C: Cc: theboss@example.com
C: Date: Tue, 15 Jan 2008 16:02:43 -0500
C: Subject: Test message
c:
C: Hello Alice.
C: This is a test message with 5 header fields and 4 lines in the message body.
C: Your friend,
C: Bob
S: 250 Ok: queued as 12345
C: QUIT
S: 221 Bye
{The server closes the connection}
```

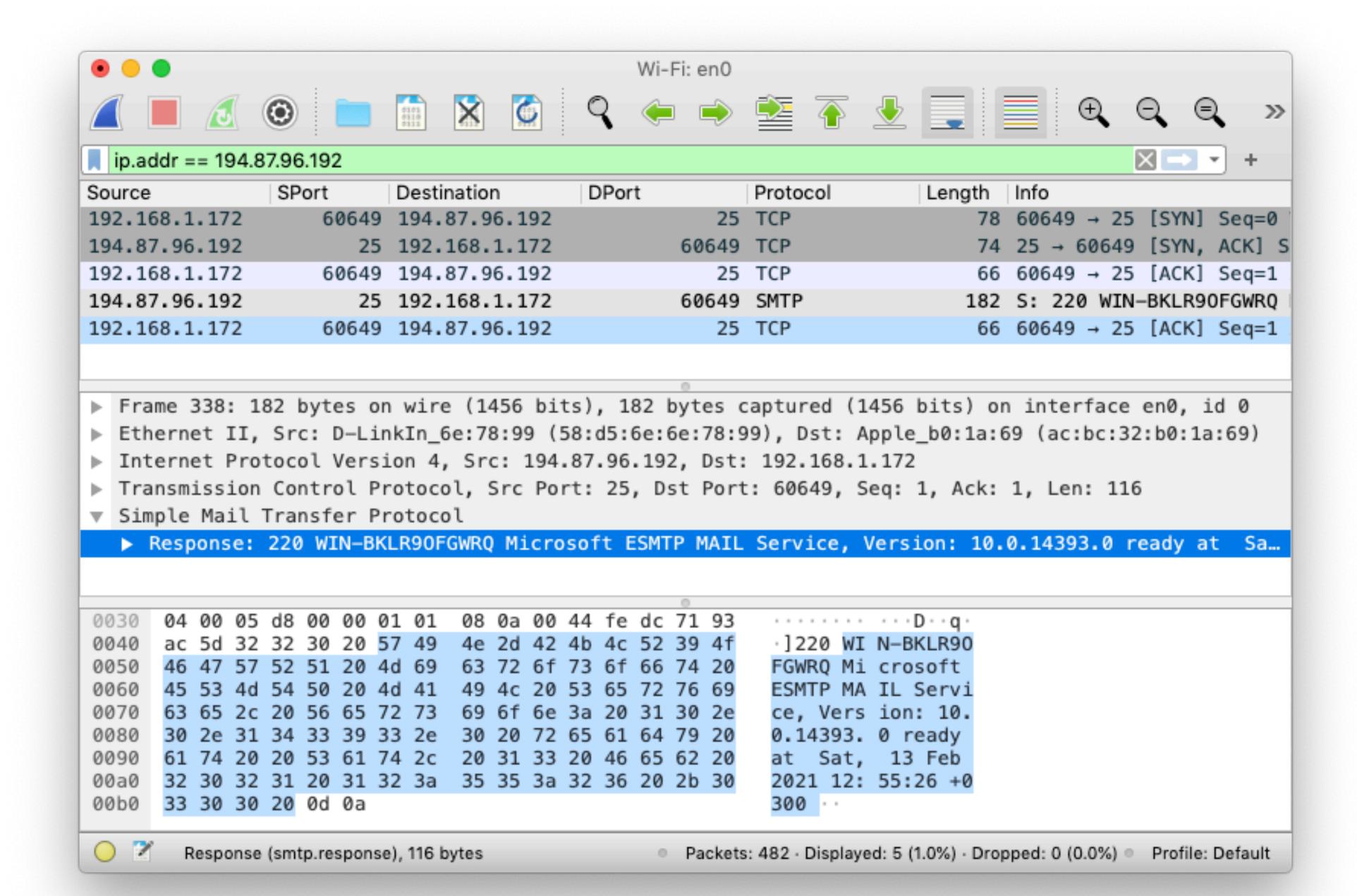
Putty

PuTTY is an SSH and telnet client, developed originally by Simon Tatham for the Windows platform. PuTTY is open source software that is available with source code and is developed and supported by a group of volunteers.

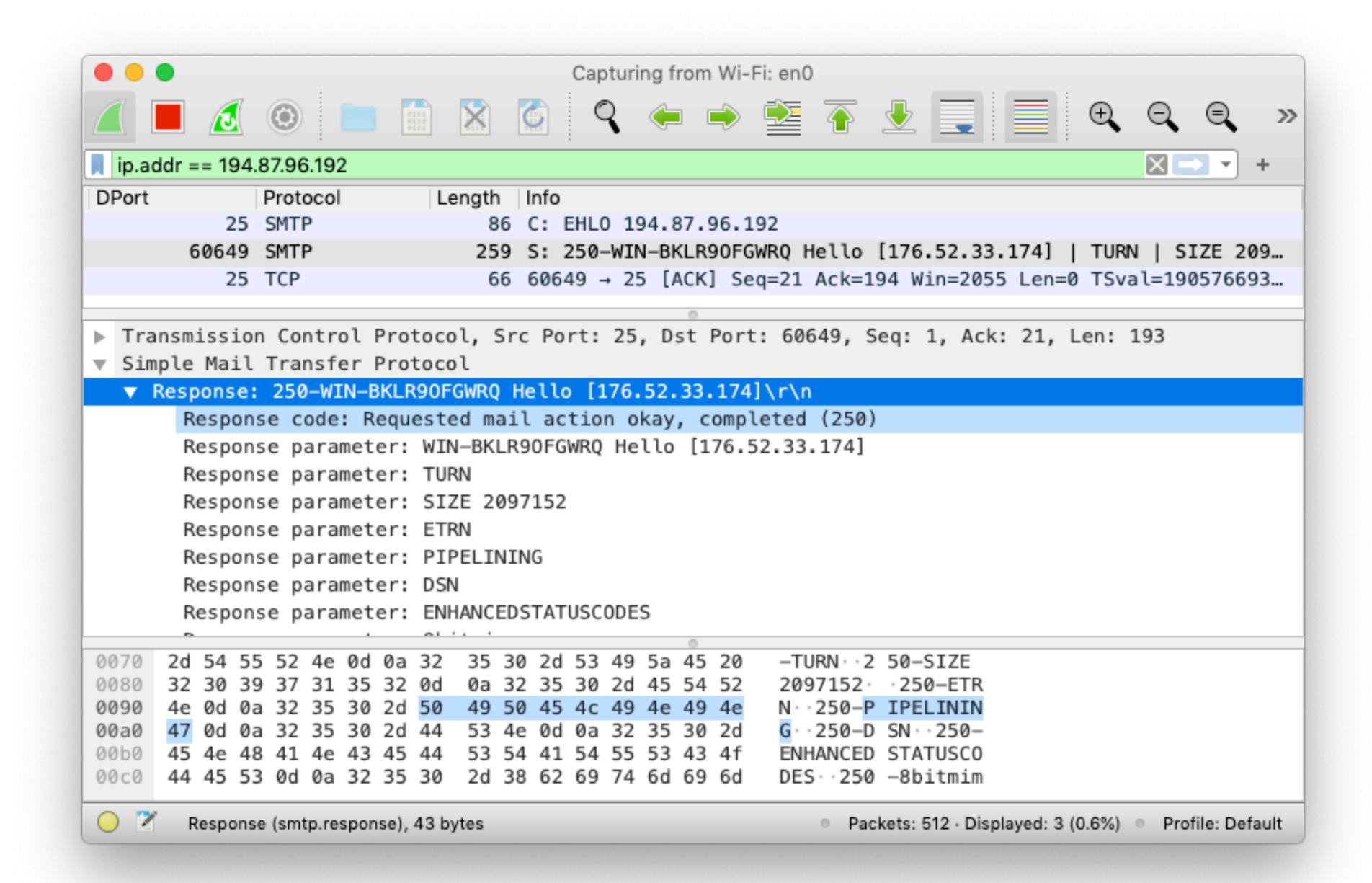
Telnet

Telnet is a network protocol that provides a command-line interface to communicate with a device. Telnet is used most often for remote management but also sometimes for the initial setup for some devices, especially network hardware such as switches and access points. Telnet is also used to manage files on a website.

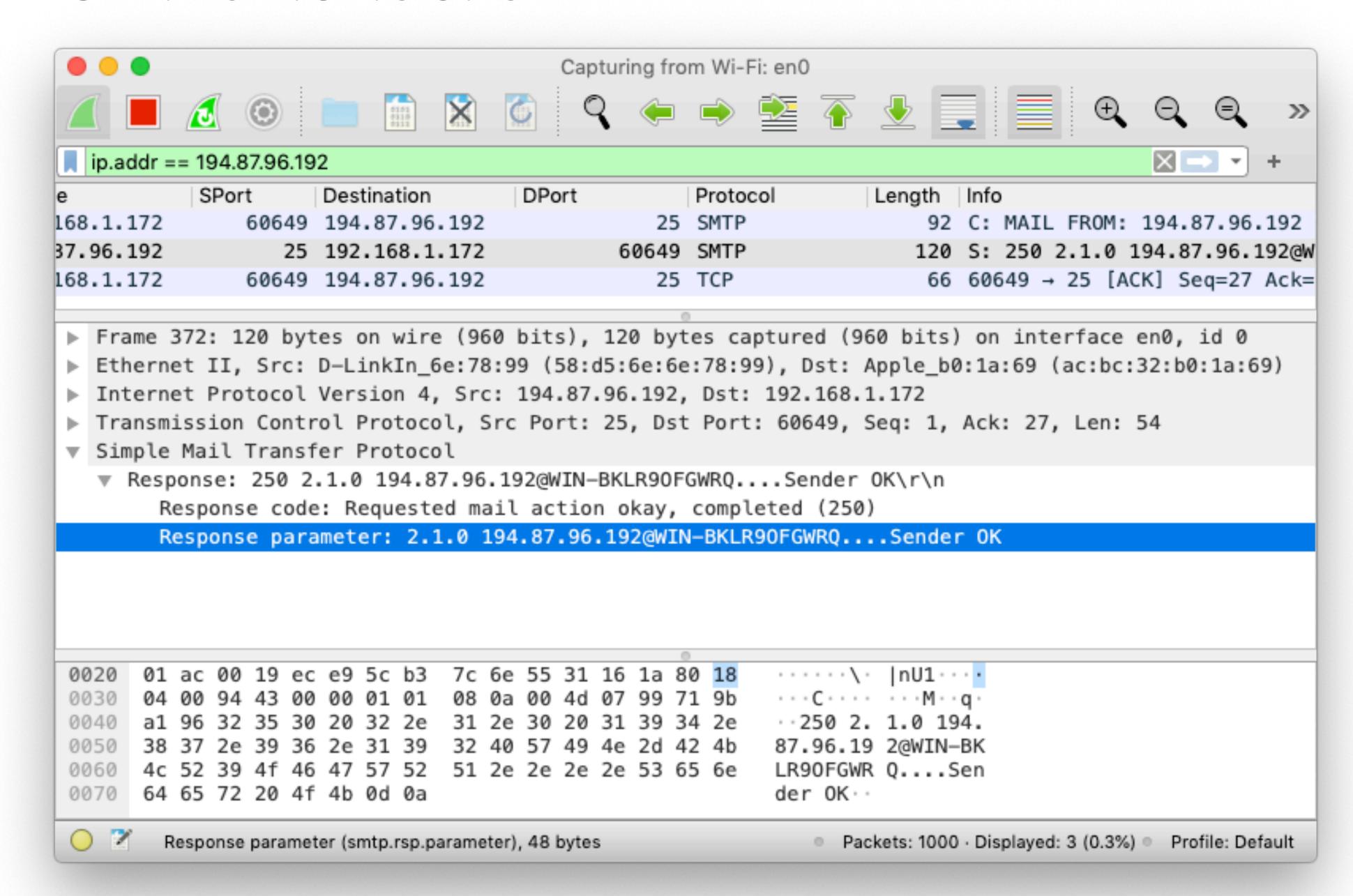
telnet 194.87.96.192 25



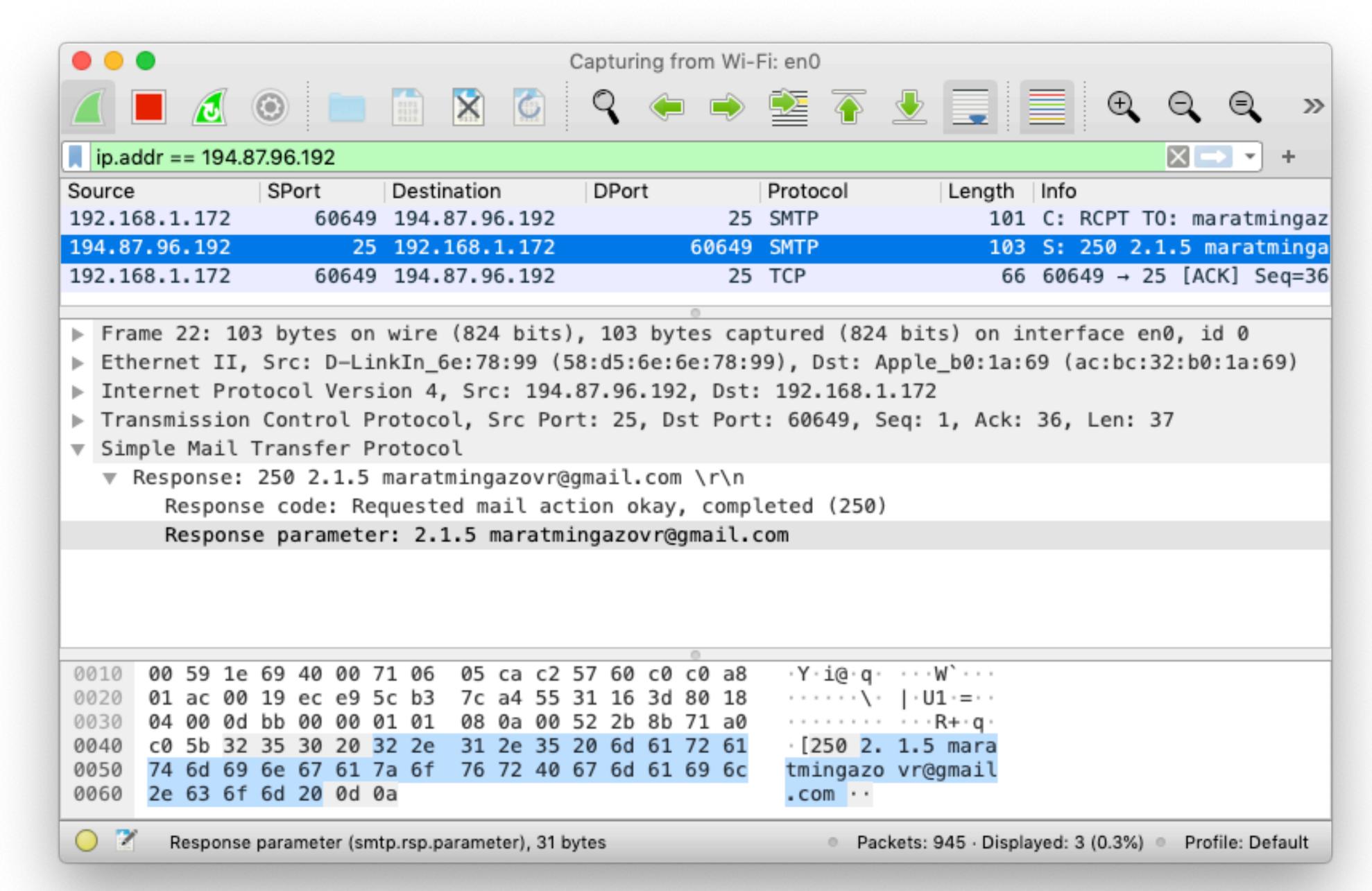
EHLO 194.87.96.192



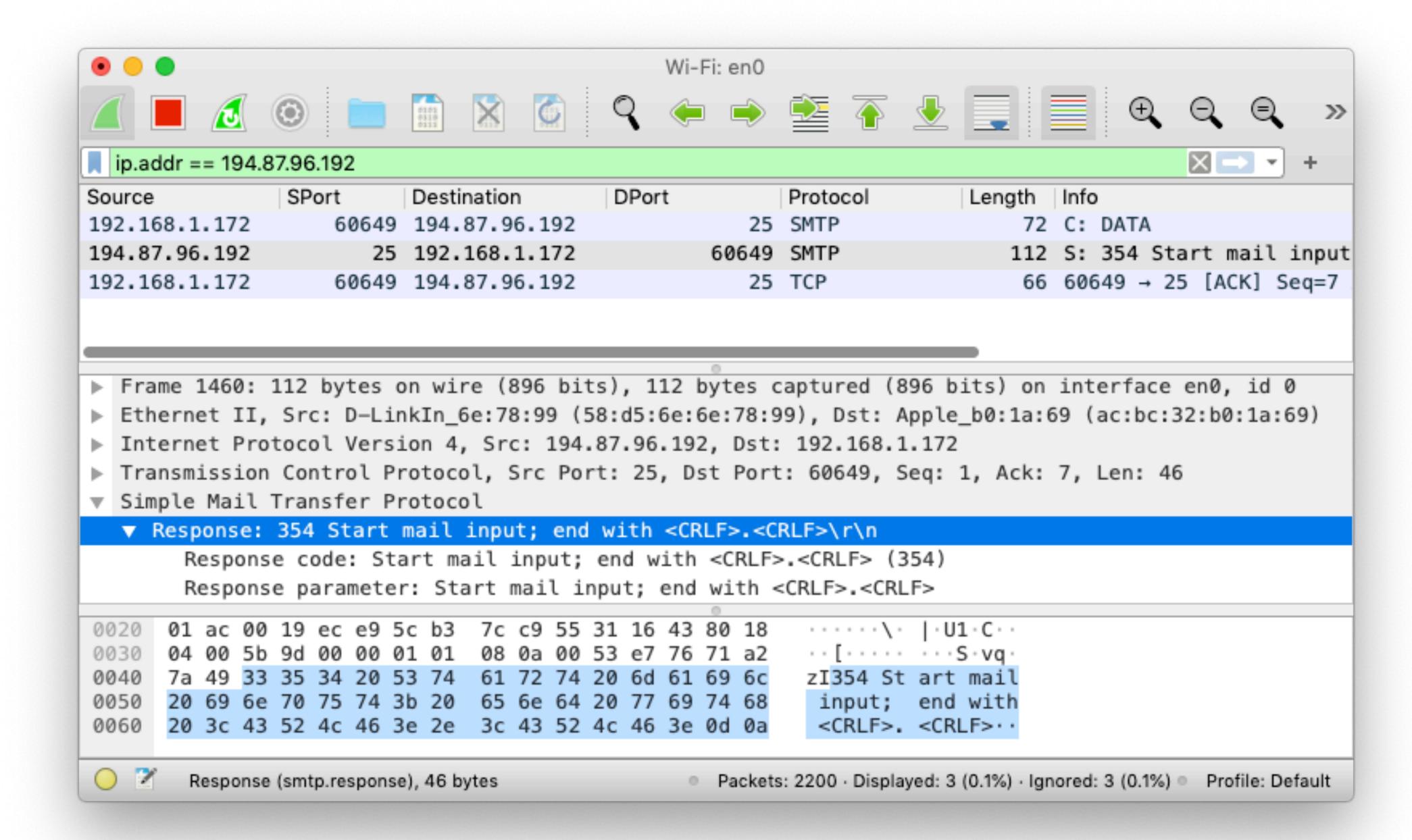
MAIL FROM: 194.87.96.192



RCPT TO: maratmingazovr@gmail.com

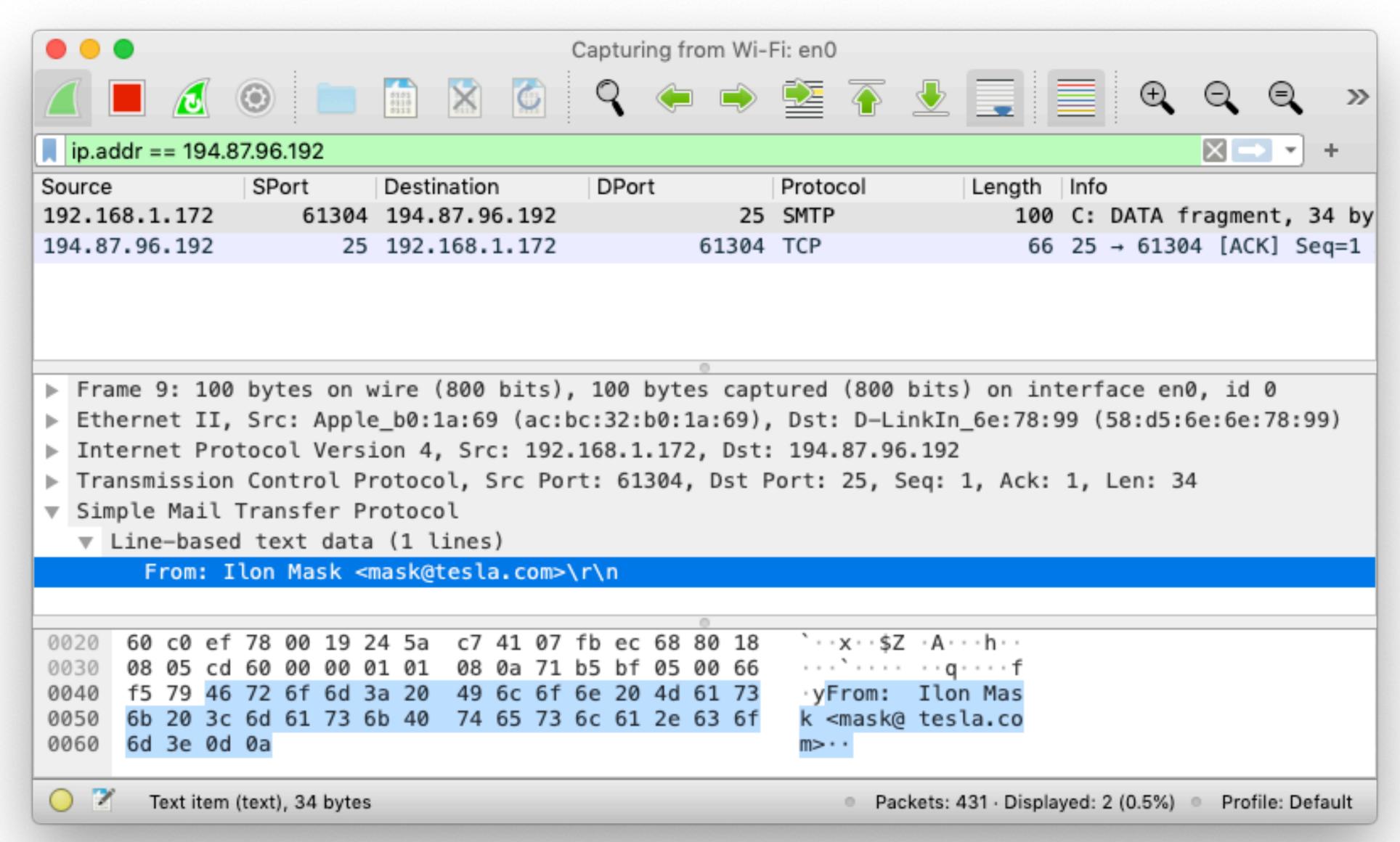


DATA



From: Ilon Mask <mask@tesla.com>





From: Ilon Mask <mask@tesla.com>

Subject: Hello Marat

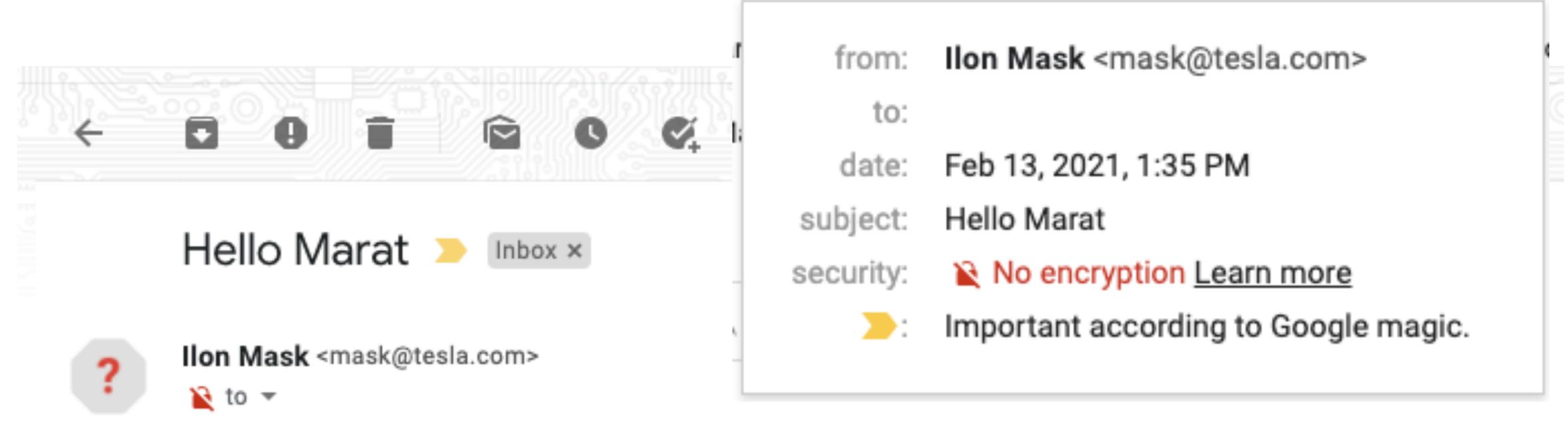
Hi Marat! I'm Ilon Mask and I want to buy your startup company. Could you please organize a product presentation?

Best,

Ilon Mask

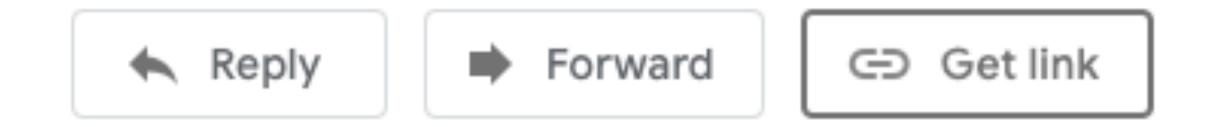
```
maratmingazovr — telnet 194.87.96.192 25 — 84×13
250 2.1.5 maratmingazovr@gmail.com
DATA
354 Start mail input; end with <CRLF>.<CRLF>
From: Ilon Mask <mask@tesla.com>
Subject: Hello Marat
Hi Marat! I'm Ilon Mask and I want to buy your startup company. Could you please org
anize a product presentation?
Best,
Ilon Mask
250 2.6.0 <WIN-BKLR90FGWRQJ46000000000000BKLR90FGWRQ> Queued mail for delivery
```

Check gmail account



Hi Marat! I'm Ilon Mask and I want to buy your startup company. Could you please organize a product presentation? Best,

Ilon Mask



quit

