PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS ②

@ZanS-03 →/workspaces/desktop-tutorial (main) $ docker
  tag   Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
  top   Display the running processes of a container
  unpause   Unpause all processes within one or more containers
  update   Update configuration of one or more containers
  wait   Block until one or more containers stop, then print their exit codes

Global Options:
      --config string   Location of client config files (default "/home/codespace/.docker")
  -c, --context string   Name of the context to use to connect to the daemon (overrides DOCKER_HOST env var and default context set with "docker context use")
  -D, --debug   Enable debug mode
  -H, --host string   Daemon socket to connect to
  -l, --log-level string   Set the logging level ("debug", "info", "warn", "error", "fatal") (default "info")
      --tls   Use TLS; implied by --tlsverify
      --tlscacert string   Trust certs signed only by this CA (default "/home/codespace/.docker/ca.pem")
      --tlscert string   Path to TLS certificate file (default "/home/codespace/.docker/cert.pem")
      --tlskey string   Path to TLS key file (default "/home/codespace/.docker/key.pem")
      --tlsverify   Use TLS and verify the remote
  -v, --version   Print version information and quit

Run 'docker COMMAND --help' for more information on a command.

For more help on how to use Docker, head to https://docs.docker.com/go/guides/
@ZanS-03 →/workspaces/desktop-tutorial (main) $ docker -v
Docker version 28.5.1-1, build e180ab8ab82d22b7895a3e6e110cf6dd5c45f1d7
@ZanS-03 →/workspaces/desktop-tutorial (main) $ sudo docker -d --name mailhog -p 1025:1025 -p 8025:8025 mailhog/mailhog
unknown shorthand flag: 'd' in -d

Usage: docker [OPTIONS] COMMAND [ARG...]

Run 'docker --help' for more information
@ZanS-03 →/workspaces/desktop-tutorial (main) $ sudo docker run -d --name mailhog -p 1025:1025 -p 8025:8025 mailhog/mailhog
Unable to find image 'mailhog/mailhog:latest' locally
latest: Pulling from mailhog/mailhog
df20fa9351a1: Pull complete
ed8968b2872e: Pull complete
a92cc7c5fd73: Pull complete
f17c8f1adafb: Pull complete
03954754c53a: Pull complete
60493946972a: Pull complete
368ee3bc1dbb: Pull complete
Digest: sha256:8d76a3d4ffa32a3661311944007a415332c4bb855657f4f6c57996405c009bea
Status: Downloaded newer image for mailhog/mailhog:latest
e06b2eacb1dc747c6a7aff4e9686f0edaa6e8eca99a800e713c16c2b918e967c
@ZanS-03 →/workspaces/desktop-tutorial (main) $ docker ps -a
CONTAINER ID   IMAGE   COMMAND   CREATED   STATUS   PORTS   NAMES
e06b2eacb1dc   mailhog/mailhog   "MailHog"   9 seconds ago   Up 8 seconds   0.0.0.0:1025->1025/tcp, [::]:1025->1025/tcp, 0.0.0.0:8025->8025/tcp, [::]:8025->8025/tcp   mailhog
@ZanS-03 →/workspaces/desktop-tutorial (main) $ []

EXPLORER   PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS ②   bash ⚠ + ∨ □

∨ DESKTOP-TUTORIAL [CODESPACES: URB...   @ZanS-03 →/workspaces/desktop-tutorial (main) $ sudo apt install swaks
  ① README.md   Setting up libidn12:amd64 (1.42-1build1) ...
  ≡ smtp.pcap   U   Setting up swaks (20240103.0-1) ...
                                          Setting up libdigest-bubblebabble-perl (0.02-2.1) ...
                                          Setting up libnet-ssleay-perl:amd64 (1.94-1build4) ...
                                          Setting up libnet-dns-perl (1.44-1ubuntu1) ...
                                          Setting up libio-socket-inet6-perl (2.73-1) ...
                                          Setting up libnet-libidn-perl (0.12.ds-4build4) ...
                                          Setting up libnet-dns-sec-perl (1.23-1build4) ...
                                          Processing triggers for libc-bin (2.39-0ubuntu8.6) ...
                                          Processing triggers for man-db (2.12.0-4build2) ...
                                          @ZanS-03 →/workspaces/desktop-tutorial (main) $ swaks --server 127.0.0.1 --port 1025   --from ti@example.com --to test@example.com --data "Subject: Codespace SWAKS Test\n\nPozdrav iz FIS!"
                                          === Trying 127.0.0.1:1025...
                                          === Connected to 127.0.0.1.
                                          <- 220 mailhog.example ESMTP MailHog
                                           -> EHLO codespaces-aacca4
                                          <- 250-Hello codespaces-aacca4
                                          <- 250-PIPELINING
                                          <- 250 AUTH PLAIN
                                           -> MAIL FROM:<ti@example.com>
                                          <- 250 Sender ti@example.com ok
                                           -> RCPT TO:<test@example.com>
                                          <- 250 Recipient test@example.com ok
                                           -> DATA
                                          <- 354 End data with <CR><LF>.<CR><LF>
                                           -> Subject: Codespace SWAKS Test
                                           ->
                                           -> Pozdrav iz FIS!
                                           ->
                                          <- 250 Ok: queued as -KIFTx0Jh54U40RMYxvhEg9OTjPM_bNNiU2C8Fu3Qig-@mailhog.example
                                           -> QUIT
                                          <- 221 Bye
                                          === Connection closed with remote host.
                                          @ZanS-03 →/workspaces/desktop-tutorial (main) $ history
                                              1 uname -a
                                              2 sudo apt-get update
                                              3 docker
                                              4 docker -v
                                              5 sudo docker -d --name mailhog -p 1025:1025 -p 8025:8025 mailhog/mailhog
                                              6 sudo docker run -d --name mailhog -p 1025:1025 -p 8025:8025 mailhog/mailhog
                                              7 docker ps -a
                                              8 sudo apt install tcpdump
                                              9 sudo tcpdump -i any tcp port 1025 -w smtp.pcap &
                                             10 swaks --server 127.0.0.1 --port 1025   --from ti@example.com --to test@example.com --data "Subject: Codespace SWAKS Test\n\nPozdrav iz FIS!"
                                             11 sudo apt install swaks
                                             12 swaks --server 127.0.0.1 --port 1025   --from ti@example.com --to test@example.com --data "Subject: Codespace SWAKS Test\n\nPozdrav iz FIS!"
  > OUTLINE   13 history
  > TIMELINE   @ZanS-03 →/workspaces/desktop-tutorial (main) $ []

tcp.port == 1025

No.	Time	Source	Destination	Protocol	Length Info
1	0.000000	127.0.0.1	127.0.0.1	TCP	80 43966 → 1025 [SYN] Seq=0 Win=65495 Len=0 MSS=65495 SACK_PERM TSval=1365708936 TSecr=0 WS=128
2	0.000017	127.0.0.1	127.0.0.1	TCP	80 1025 → 43966 [SYN, ACK] Seq=0 Ack=1 Win=65483 Len=0 MSS=65495 SACK_PERM TSval=1365708936 TSecr=1365708936 WS=128
3	0.000030	127.0.0.1	127.0.0.1	TCP	72 43966 → 1025 [ACK] Seq=1 Ack=1 Win=65536 Len=0 TSval=1365708936 TSecr=1365708936
4	0.000393	172.17.0.1	172.17.0.2	TCP	80 44822 → 1025 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=681401057 TSecr=0 WS=128
5	0.000395	172.17.0.1	172.17.0.2	TCP	80 [TCP Retransmission] 44822 → 1025 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=681401057 TSecr=0 WS=128
6	0.000414	172.17.0.2	172.17.0.1	TCP	80 1025 → 44822 [SYN, ACK] Seq=0 Ack=1 Win=65160 Len=0 MSS=1460 SACK_PERM TSval=1057947232 TSecr=681401057 WS=128
7	0.000418	172.17.0.2	172.17.0.1	TCP	80 [TCP Retransmission] 1025 → 44822 [SYN, ACK] Seq=0 Ack=1 Win=65160 Len=0 MSS=1460 SACK_PERM TSval=1057947232 TSecr=681401057 WS=128
8	0.000426	172.17.0.1	172.17.0.2	TCP	72 44822 → 1025 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=681401057 TSecr=1057947232
9	0.000427	172.17.0.1	172.17.0.2	TCP	72 [TCP Dup ACK 8#1] 44822 → 1025 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=681401057 TSecr=1057947232
10	0.000747	172.17.0.2	172.17.0.1	TCP	107 1025 → 44822 [PSH, ACK] Seq=1 Ack=1 Win=65280 Len=35 TSval=1057947232 TSecr=681401057
11	0.000753	172.17.0.2	172.17.0.1	TCP	107 [TCP Retransmission] 1025 → 44822 [PSH, ACK] Seq=1 Ack=1 Win=65280 Len=35 TSval=1057947232 TSecr=681401057
12	0.000767	172.17.0.1	172.17.0.2	TCP	72 44822 → 1025 [ACK] Seq=1 Ack=36 Win=64256 Len=0 TSval=681401057 TSecr=1057947232
13	0.000769	172.17.0.1	172.17.0.2	TCP	72 [TCP Dup ACK 12#1] 44822 → 1025 [ACK] Seq=1 Ack=36 Win=64256 Len=0 TSval=681401057 TSecr=1057947232
14	0.000839	127.0.0.1	127.0.0.1	TCP	107 1025 → 43966 [PSH, ACK] Seq=1 Ack=1 Win=65536 Len=35 TSval=1365708937 TSecr=1365708936
15	0.000845	127.0.0.1	127.0.0.1	TCP	72 43966 → 1025 [ACK] Seq=1 Ack=36 Win=65536 Len=0 TSval=1365708937 TSecr=1365708937
16	0.001317	127.0.0.1	127.0.0.1	TCP	96 43966 → 1025 [PSH, ACK] Seq=1 Ack=36 Win=65536 Len=24 TSval=1365708938 TSecr=1365708937
17	0.001326	127.0.0.1	127.0.0.1	TCP	72 1025 → 43966 [ACK] Seq=36 Ack=25 Win=65536 Len=0 TSval=1365708938 TSecr=1365708938
18	0.001348	172.17.0.1	172.17.0.2	TCP	96 44822 → 1025 [PSH, ACK] Seq=1 Ack=36 Win=64256 Len=24 TSval=681401058 TSecr=1057947232
19	0.001350	172.17.0.1	172.17.0.2	TCP	96 [TCP Retransmission] 44822 → 1025 [PSH, ACK] Seq=1 Ack=36 Win=64256 Len=24 TSval=681401058 TSecr=1057947232
20	0.001363	172.17.0.2	172.17.0.1	TCP	72 1025 → 44822 [ACK] Seq=36 Ack=25 Win=65280 Len=0 TSval=1057947233 TSecr=681401058
21	0.001366	172.17.0.2	172.17.0.1	TCP	72 [TCP Dup ACK 20#1] 1025 → 44822 [ACK] Seq=36 Ack=25 Win=65280 Len=0 TSval=1057947233 TSecr=681401058
22	0.001429	172.17.0.2	172.17.0.1	TCP	101 1025 → 44822 [PSH, ACK] Seq=36 Ack=25 Win=65280 Len=29 TSval=1057947233 TSecr=681401058
23	0.001433	172.17.0.2	172.17.0.1	TCP	101 [TCP Retransmission] 1025 → 44822 [PSH, ACK] Seq=36 Ack=25 Win=65280 Len=29 TSval=1057947233 TSecr=681401058
24	0.001446	172.17.0.1	172.17.0.2	TCP	88 1025 → 44822 [PSH, ACK] Seq=65 Ack=25 Win=65280 Len=16 TSval=1057947233 TSecr=681401058
25	0.001448	172.17.0.2	172.17.0.1	TCP	88 [TCP Retransmission] 1025 → 44822 [PSH, ACK] Seq=65 Ack=25 Win=65280 Len=16 TSval=1057947233 TSecr=681401058
26	0.001456	172.17.0.2	172.17.0.1	TCP	88 1025 → 44822 [PSH, ACK] Seq=81 Ack=25 Win=65280 Len=16 TSval=1057947233 TSecr=681401058
27	0.001457	172.17.0.2	172.17.0.1	TCP	88 [TCP Retransmission] 1025 → 44822 [PSH, ACK] Seq=81 Ack=25 Win=65280 Len=16 TSval=1057947233 TSecr=681401058
28	0.001470	172.17.0.1	172.17.0.2	TCP	72 44822 → 1025 [ACK] Seq=25 Ack=97 Win=64256 Len=0 TSval=681401058 TSecr=1057947233

Frame 1: Packet, 80 bytes on wire (640 bits), 80 bytes captured (640 bits)
Linux cooked capture v2
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
Transmission Control Protocol, Src Port: 43966, Dst Port: 1025, Seq: 0, Len: 0

0000 08 00 00 00 00 00 00 01 03 04 00 06 00 00 00 00   ········ ········
0010 00 00 00 00 45 00 00 3c 3d 24 40 00 40 06 ff 95   ····E··< =$@·@···
0020 7f 00 00 01 7f 00 00 01 ab be 04 01 6a 98 61 0d   ········ ····j·a·
0030 00 00 00 00 a0 02 ff d7 fe 30 00 00 02 04 ff d7   ········ ·0······
0040 04 02 08 0a 51 67 10 88 00 00 00 00 01 03 03 07   ····Qg·· ········

tcp.stream eq 1

No.	Time	Source	Destination	Protocol
4	0.000393	172.17.0.1	172.17.0.2	TCP
5	0.000395	172.17.0.1	172.17.0.2	TCP
6	0.000414	172.17.0.2	172.17.0.1	TCP
7	0.000418	172.17.0.2	172.17.0.1	TCP
8	0.000426	172.17.0.1	172.17.0.2	TCP
9	0.000427	172.17.0.1	172.17.0.2	TCP
10	0.000747	172.17.0.2	172.17.0.1	TCP
11	0.000753	172.17.0.2	172.17.0.1	TCP
12	0.000767	172.17.0.1	172.17.0.2	TCP
13	0.000769	172.17.0.1	172.17.0.2	TCP
18	0.001348	172.17.0.1	172.17.0.2	TCP
19	0.001350	172.17.0.1	172.17.0.2	TCP
20	0.001363	172.17.0.2	172.17.0.1	TCP
21	0.001366	172.17.0.2	172.17.0.1	TCP
22	0.001429	172.17.0.2	172.17.0.1	TCP
23	0.001433	172.17.0.2	172.17.0.1	TCP
24	0.001446	172.17.0.2	172.17.0.1	TCP
25	0.001448	172.17.0.2	172.17.0.1	TCP
26	0.001456	172.17.0.2	172.17.0.1	TCP
27	0.001457	172.17.0.2	172.17.0.1	TCP
28	0.001470	172.17.0.1	172.17.0.2	TCP
29	0.001472	172.17.0.1	172.17.0.2	TCP
32	0.001853	172.17.0.2	172.17.0.1	TCP
33	0.001855	172.17.0.1	172.17.0.2	TCP
34	0.002018	172.17.0.2	172.17.0.1	TCP
35	0.002030	172.17.0.1	172.17.0.1	TCP
38	0.002415	172.17.0.2	172.17.0.1	TCP
39	0.002418	172.17.0.1	172.17.0.2	TCP

Frame 10: Packet, 107 bytes on wire (856 bits), 107 bytes captured (85...
Linux cooked capture v2
Internet Protocol Version 4, Src: 172.17.0.2, Dst: 172.17.0.1
Transmission Control Protocol, Src Port: 1025, Dst Port: 44822, Seq: 1...
Data (35 bytes)

Wireshark · Follow TCP Stream (tcp.stream eq 1) · smtp.pcap

220 mailhog.example ESMTP MailHog
EHLO codespaces-aacca4
250-Hello codespaces-aacca4
250-PIPELINING
250 AUTH PLAIN
MAIL FROM:<ti@example.com>
250 Sender ti@example.com ok
RCPT TO:<test@example.com>
250 Recipient test@example.com ok
DATA
354 End data with <CR><LF>.<CR><LF>
Subject: Codespace SWAKS Test
Pozdrav iz FIS!
.
250 Ok: queued as -KIFTx0Jh54U40RMYxvhEg9OTjPM_bNNiU2C8Fu3Qig=@mailhog.example
QUIT
221 Bye

```
@ZanS-03 →/workspaces/desktop-tutorial (main) $ docker run -d --name postfix587    -p 587:587   -e ALLOWED_SENDER_DOMAINS="localdomain"   -e POSTFIX_myhostname=postfix.local    boky/postfix
Unable to find image 'boky/postfix:latest' locally
latest: Pulling from boky/postfix
af302e5c37e9: Pull complete
fd88f39fc50e: Pull complete
d03bb0060dde: Pull complete
0ba5e86a0cd4: Pull complete
f33184ad3f08: Pull complete
f518acd98a42: Pull complete
d0d48f97e6e0: Pull complete
a43fc3bfe47d: Pull complete
78ee785d01db: Pull complete
eaa7f414a812: Pull complete
4f4fb700ef54: Pull complete
Digest: sha256:f3f247fd42528b969e2603ac120d5a5b5db7dfe61f4505c49d438b9ba1822999
Status: Downloaded newer image for boky/postfix:latest
23416b2ce698a265a647ff1ff5324fa6e87534389253b7f30b190eb8e0274a87
@ZanS-03 →/workspaces/desktop-tutorial (main) $ docker ps -a
CONTAINER ID   IMAGE            COMMAND              CREATED         STATUS                     PORTS                                                                                    NAMES
23416b2ce698   boky/postfix     "/bin/sh -c /scripts…"  4 seconds ago   Up 3 seconds (health: starting)   0.0.0.0:587->587/tcp, [::]:587->587/tcp                                          postfix587
e06b2eacb1dc   mailhog/mailhog  "MailHog"            9 minutes ago   Up 8 minutes               0.0.0.0:1025->1025/tcp, [::]:1025->1025/tcp, 0.0.0.0:8025->8025/tcp, [::]:8025->8025/tcp   mailhog
@ZanS-03 →/workspaces/desktop-tutorial (main) $
```

```
@ZanS-03 →/workspaces/desktop-tutorial (main) $ sudo tcpdump -i any tcp port 587 -w smtpssl.pcap &
libibverbs: Warning: couldn't open config directory '/etc/libibverbs.d'.
tcpdump: data link type LINUX_SLL2
@ZanS-03 →/workspaces/desktop-tutorial (main) $ tcpdump: listening on any, link-type LINUX_SLL2 (Linux cooked v2), snapshot length 262144 bytes
swaks --server 127.0.0.1 --port 587 --tls   --froswaks --server 127.0.0.1 --port 587 --tls   --from test@localdomain --to demo@localdomain   --header 'Subject: STARTTLS test'   --body 'Pozdrav prek TLS!'
=== Trying 127.0.0.1:587...
=== Connected to 127.0.0.1.
<-  220 postfix.local ESMTP Postfix (Debian/GNU)
 -> EHLO codespaces-aacca4
<-  250-postfix.local
<-  250-PIPELINING
<-  250-SIZE
<-  250-VRFY
<-  250-ETRN
<-  250-STARTTLS
<-  250-ENHANCEDSTATUSCODES
<-  250-8BITMIME
<-  250-DSN
<-  250-SMTPUTF8
<-  250 CHUNKING
 -> STARTTLS
<-  220 2.0.0 Ready to start TLS
=== TLS started with cipher TLSv1.3:TLS_AES_256_GCM_SHA384:256
=== TLS client certificate not requested and not sent
=== TLS no client certificate set
=== TLS peer[0]    subject=[/CN=localhost]
===                commonName=[localhost], subjectAltName=[DNS:localhost] notAfter=[2035-01-14T23:01:22Z]
=== TLS peer certificate failed CA verification (self-signed certificate), failed host verification (using host 127.0.0.1 to verify)
 ~> EHLO codespaces-aacca4
<~  250-postfix.local
<~  250-PIPELINING
<~  250-SIZE
<~  250-VRFY
<~  250-ETRN
<~  250-ENHANCEDSTATUSCODES
<~  250-8BITMIME
<~  250-DSN
<~  250-SMTPUTF8
<~  250 CHUNKING
 ~> MAIL FROM:<test@localdomain>
<~  250 2.1.0 Ok
 ~> RCPT TO:<demo@localdomain>
<~* 504 5.5.2 <demo@localdomain>: Recipient address rejected: need fully-qualified address
 ~> QUIT
<~  221 2.0.0 Bye
=== Connection closed with remote host.
@ZanS-03 →/workspaces/desktop-tutorial (main) $ sudo pkill tcpdumpž
@ZanS-03 →/workspaces/desktop-tutorial (main) $
```

```
@ZanS-03 →/workspaces/desktop-tutorial (main) $ sudo pkill tcpdumpž
@ZanS-03 →/workspaces/desktop-tutorial (main) $ history
    1  uname -a
    2  sudo apt-get update
    3  docker
    4  docker -v
    5  sudo docker -d --name mailhog -p 1025:1025 -p 8025:8025 mailhog/mailhog
    6  sudo docker run -d --name mailhog -p 1025:1025 -p 8025:8025 mailhog/mailhog
    7  docker ps -a
    8  sudo apt install tcpdump
    9  sudo tcpdump -i any tcp port 1025 -w smtp.pcap &
   10  swaks --server 127.0.0.1 --port 1025   --from ti@example.com --to test@example.com   --data "Subject: Codespace SWAKS Test\n\nPozdrav iz FIS!"
   11  sudo apt install swaks
   12  swaks --server 127.0.0.1 --port 1025   --from ti@example.com --to test@example.com   --data "Subject: Codespace SWAKS Test\n\nPozdrav iz FIS!"
   13  history
   14  sudo pkill tcpdump
   15  docker run -d --name postfix587   -p 587:587   -e ALLOWED_SENDER_DOMAINS="localdomain"   -e POSTFIX_myhostname=postfix.local    boky/postfix
   16  docker ps -a
   17  sudo tcpdump -i any tcp port 587 -w smtpssl.pcap &
   18  swaks --server 127.0.0.1 --port 587 --tls   --from test@localdomain --to demo@localdomain   --header 'Subject: STARTTLS test'   --body 'Pozdrav prek TLS!'
   19  sudo pkill tcpdumpž
   20  history
@ZanS-03 →/workspaces/desktop-tutorial (main) $
```

tcp.port == 587

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	127.0.0.1	127.0.0.1	TCP	80	47448 → 587 [SYN] Seq=0 Win=65495 Len=0 MSS=65495 SACK_PERM TSval=1366146517 TSecr=0 WS=128
2	0.000012	127.0.0.1	127.0.0.1	TCP	80	587 → 47448 [SYN, ACK] Seq=0 Ack=1 Win=65483 Len=0 MSS=65495 SACK_PERM TSval=1366146517 TSecr=1366146517 WS=128
3	0.000021	127.0.0.1	127.0.0.1	TCP	72	47448 → 587 [ACK] Seq=1 Ack=1 Win=65536 Len=0 TSval=1366146517 TSecr=1366146517
4	0.000236	172.17.0.1	172.17.0.3	TCP	80	56880 → 587 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=446419997 TSecr=0 WS=128
5	0.000237	172.17.0.1	172.17.0.3	TCP	80	[TCP Retransmission] 56880 → 587 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=446419997 TSecr=0 WS=128
6	0.000255	172.17.0.3	172.17.0.1	TCP	80	587 → 56880 [SYN, ACK] Seq=0 Ack=1 Win=65160 Len=0 MSS=1460 SACK_PERM TSval=2478180530 TSecr=446419997 WS=128
7	0.000259	172.17.0.3	172.17.0.1	TCP	80	[TCP Retransmission] 587 → 56880 [SYN, ACK] Seq=0 Ack=1 Win=65160 Len=0 MSS=1460 SACK_PERM TSval=2478180530 TSecr=446419997 WS=128
8	0.000267	172.17.0.1	172.17.0.3	TCP	72	56880 → 587 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=446419997 TSecr=2478180530
9	0.000267	172.17.0.1	172.17.0.3	TCP	72	[TCP Dup ACK 8#1] 56880 → 587 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=446419997 TSecr=2478180530
10	0.017523	172.17.0.3	172.17.0.1	SMTP	118	S: 220 postfix.local ESMTP Postfix (Debian/GNU)
11	0.017528	172.17.0.3	172.17.0.1	TCP	118	[TCP Retransmission] 587 → 56880 [PSH, ACK] Seq=1 Ack=1 Win=65280 Len=46 TSval=2478180548 TSecr=446419997
12	0.017543	172.17.0.1	172.17.0.3	TCP	72	56880 → 587 [ACK] Seq=1 Ack=47 Win=64256 Len=0 TSval=446420015 TSecr=2478180548
13	0.017545	172.17.0.1	172.17.0.3	TCP	72	[TCP Dup ACK 12#1] 56880 → 587 [ACK] Seq=1 Ack=47 Win=64256 Len=0 TSval=446420015 TSecr=2478180548
14	0.017594	127.0.0.1	127.0.0.1	SMTP	118	S: 220 postfix.local ESMTP Postfix (Debian/GNU)
15	0.017601	127.0.0.1	127.0.0.1	TCP	72	47448 → 587 [ACK] Seq=1 Ack=47 Win=65536 Len=0 TSval=1366146535 TSecr=1366146535
16	0.018025	127.0.0.1	127.0.0.1	SMTP	96	C: EHLO codespaces-aacca4
17	0.018037	127.0.0.1	127.0.0.1	TCP	72	587 → 47448 [ACK] Seq=47 Ack=25 Win=65536 Len=0 TSval=1366146535 TSecr=1366146535
18	0.018066	172.17.0.1	172.17.0.3	SMTP	96	C: EHLO codespaces-aacca4
19	0.018069	172.17.0.1	172.17.0.3	TCP	96	[TCP Retransmission] 56880 → 587 [PSH, ACK] Seq=1 Ack=47 Win=64256 Len=24 TSval=2478180548 TSecr=446420015
20	0.018078	172.17.0.3	172.17.0.1	TCP	72	587 → 56880 [ACK] Seq=47 Ack=25 Win=65280 Len=0 TSval=2478180548 TSecr=446420015
21	0.018081	172.17.0.3	172.17.0.1	TCP	72	[TCP Dup ACK 20#1] 587 → 56880 [ACK] Seq=47 Ack=25 Win=65280 Len=0 TSval=2478180548 TSecr=446420015
22	0.018129	172.17.0.3	172.17.0.1	SMTP	227	S: 250-postfix.local	PIPELINING	SIZE	VRFY	ETRN	STARTTLS	ENHANCEDSTATUSCODES	8BITMIME	DSN	SMTPUTF8	CHUNKING
23	0.018132	172.17.0.3	172.17.0.1	TCP	227	[TCP Retransmission] 587 → 56880 [PSH, ACK] Seq=47 Ack=25 Win=65280 Len=155 TSval=2478180548 TSecr=446420015
24	0.018157	127.0.0.1	127.0.0.1	SMTP	227	S: 250-postfix.local	PIPELINING	SIZE	VRFY	ETRN	STARTTLS	ENHANCEDSTATUSCODES	8BITMIME	DSN	SMTPUTF8	CHUNKING
25	0.018315	127.0.0.1	127.0.0.1	SMTP	82	C: STARTTLS
26	0.018338	172.17.0.1	172.17.0.3	SMTP	82	C: STARTTLS
27	0.018352	172.17.0.1	172.17.0.3	TCP	82	[TCP Retransmission] 56880 → 587 [PSH, ACK] Seq=25 Ack=202 Win=64128 Len=10 TSval=446420015 TSecr=2478180548
28	0.018415	172.17.0.3	172.17.0.1	SMTP	102	S: 220 2.0.0 Ready to start TLS

▶ Frame 4: Packet, 80 bytes on wire (640 bits), 80 bytes captured (640 bits)
▶ Linux cooked capture v2
▶ Internet Protocol Version 4, Src: 172.17.0.1, Dst: 172.17.0.3
▶ Transmission Control Protocol, Src Port: 56880, Dst Port: 587, Seq: 0, Len: 0

```
0000  08 00 00 00 00 00 00 04  00 01 04 06 02 42 f7 39    ·········· ····B·9
0010  bf 3b 00 00 45 00 00 3c  65 26 40 00 40 06 7d 6f    ·;··E··< e&@·@·}o
0020  ac 11 00 01 ac 11 00 03  de 30 02 4b 14 e3 b4 c6    ········ ·0·K····
0030  00 00 00 00 a0 02 fa f0  58 55 00 00 02 04 05 b4    ········ XU······
0040  04 02 08 0a 1a 9b d4 1d  00 00 00 00 01 03 03 07    ········ ········
```

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

tcp.stream eq 0

No.	Time	Source	Destination	Protocol
1	0.000000	127.0.0.1	127.0.0.1	TCP
2	0.000012	127.0.0.1	127.0.0.1	TCP
3	0.000021	127.0.0.1	127.0.0.1	TCP
14	0.017594	127.0.0.1	127.0.0.1	SMTP
15	0.017601	127.0.0.1	127.0.0.1	TCP
16	0.018025	127.0.0.1	127.0.0.1	SMTP
17	0.018037	127.0.0.1	127.0.0.1	TCP
24	0.018157	127.0.0.1	127.0.0.1	SMTP
25	0.018315	127.0.0.1	127.0.0.1	SMTP
30	0.018454	127.0.0.1	127.0.0.1	SMTP
31	0.053049	127.0.0.1	127.0.0.1	TLSv1.
36	0.054304	127.0.0.1	127.0.0.1	TLSv1.
37	0.061510	127.0.0.1	127.0.0.1	TLSv1.
42	0.062580	127.0.0.1	127.0.0.1	TLSv1.
43	0.062590	127.0.0.1	127.0.0.1	TLSv1.
48	0.062750	127.0.0.1	127.0.0.1	TLSv1.
49	0.063159	127.0.0.1	127.0.0.1	TLSv1.
54	0.069842	127.0.0.1	127.0.0.1	TLSv1.
55	0.070068	127.0.0.1	127.0.0.1	TLSv1.
60	0.070536	127.0.0.1	127.0.0.1	TLSv1.
61	0.070696	127.0.0.1	127.0.0.1	TLSv1.
66	0.070908	127.0.0.1	127.0.0.1	TLSv1.
71	0.071509	127.0.0.1	127.0.0.1	TLSv1.
72	0.071523	127.0.0.1	127.0.0.1	TCP
73	0.071576	127.0.0.1	127.0.0.1	TCP

Frame 73: Packet, 72 bytes on wire (576 bits), 72 bytes captured (576
Linux cooked capture v2
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
Transmission Control Protocol, Src Port: 47448, Dst Port: 587, Seq: 8

220 postfix.local ESMTP Postfix (Debian/GNU)

EHLO codespaces-aacca4

250-postfix.local
250-PIPELINING
250-SIZE
250-VRFY
250-ETRN
250-STARTTLS
250-ENHANCEDSTATUSCODES
250-8BITMIME
250-DSN
250-SMTPUTF8
250 CHUNKING

STARTTLS

220 2.0.0 Ready to start TLS

Entire conversation (2983 bytes)   Show as ASCII   No delta times

Find: Case sensitive   Find Next

Filter Out This Stream   Print   Save as...   Back   Close   Help

Stream 0