

How to install tshark on Docker?

Asked 7 years, 5 months ago Modified 2 years, 1 month ago Viewed 10k times

I want to install tshark on ubuntu17.04 on Docker for Mac with Dockerfile. I am using docker-compose

9

In apt install tshark , there is a following prompt.

The prompt stopping install despite I typed yes .



How to install tshark in Dockerfile?



Dumpcap can be installed in a way that allows members of the "wireshark" system group to capture packets. This is recommended over the alternative of running Wireshark/Tshark directly as root, because less of the code will run with elevated privileges.

For more detailed information please see
/usr/share/doc/wireshark-common/README.Debian.

Enabling this feature may be a security risk, so it is disabled by default. If in doubt, it is suggested to leave it disabled.

Should non-superusers be able to capture packets? [yes/no] yes

docker

installation

dockerfile

tshark

docker-for-mac

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edited Jun 24, 2017 at 8:32

asked Apr 3, 2017 at 4:32



KiYugadgetter

3,864 8 40 80

3 Answers

Sorted by: Highest score (default)



RUN DEBIAN_FRONTEND=noninteractive apt-get install -y tshark

13

Will install without needing user interaction.



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edited Dec 29, 2019 at 12:59

answered Aug 17, 2017 at 0:45




AymDev

7,365 4 32 54



Whereiscguy

331 4 15

Have no idea why, but if I had tshark at the end of package list to install it does not work. If I had it as single one, works perfectly: `RUN DEBIAN_FRONTEND=noninteractive apt-get update && apt-get install -y tshark` `RUN apt-get update && apt-get install -y git python python-pip iputils-ping traceroute` – [Tomasz](#) Nov 29, 2018 at 9:20 

@Tomasz I'm having exactly the same issue, did you find the reason why is it behaving in this way? – [Furin](#) May 14, 2020 at 10:25



First, you generally have (to avoid having to type 'yes'):

1

`RUN apt install -yq xxx`



Second:



- you can check out this [tshark image](#), which does install dumcap; by compiling wireshark, which produced dumpcap.
- the alternative (no compilation, only install) is [this image](#)

The install command becomes in that last case:

```
# Install build wireshark, need to run as root RUN apt-get update && \
  apt-get install -y wireshark && \
  groupadd wireshark && \
  usermod -aG wireshark developer && \
  setcap 'CAP_NET_RAW+eip CAP_NET_ADMIN+eip' /usr/bin/dumpcap && \
  chgrp wireshark /usr/bin/dumpcap && \
  chmod 750 /usr/bin/dumpcap
```

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answered Apr 3, 2017 at 4:38



[VonC](#)

1.3m


554

4.6k

5.5k

I tried First example `RUN apt install -yq tshark` But the prompt make stopping installation.

– [KiYugadgeter](#) Apr 3, 2017 at 5:53

@KiYugadgeter OK. Maybe the second example would be better in that case. Regarding the first example, make sure ti use the same base image. – [VonC](#) Apr 3, 2017 at 6:30 

I have also attempted second way. but same message displaying. – [KiYugadgeter](#) Jun 24, 2017 at 8:32



I just made it

0

```
docker exec -it <container ID> /bin/sh
apt update
apt-get install tshark
```



-i,



--interactive Keep STDIN open even if not attached

--privileged Give extended privileges to the command

-t, --tty Allocate a pseudo-TTY

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answered Aug 5, 2022 at 10:27



[Sonic](#)

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