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BornTechnician2018



Docker Container can't use traceroute, but why?

SCALE

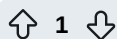
Hello There,

I am trying to install a Docker Container on my TrueNas but installing it keeps on failing. When I open a shell and run the install command, I get the following error

How do I enable or allow using the command traceroute?

```
/ # /usr/local/bin/sync-icloud.sh --initialize

2023-09-08 11:38:58 INFO      ***** boredazfcuk/icloudpd container for icloud_photo_downloader v1.0.628 started *****
2023-09-08 11:38:58 INFO      ***** For support, please go here: https://github.com/boredazfcuk/docker-icloudpd *****
2023-09-08 11:38:58 INFO      Alpine Linux 3.18.2
2023-09-08 11:38:58 INFO      Python version: 3.11.4
2023-09-08 11:38:58 INFO      Loading configuration from: /config/icloudpd.conf
2023-09-08 11:38:58 ERROR      No route to icloud.com found. Please check your container's network settings - exiting
2023-09-08 11:38:58 ERROR      Error debug - traceroute: socket(AF_INET,3,1): Operation not permitted
```



1



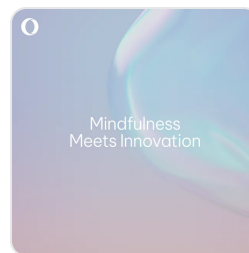
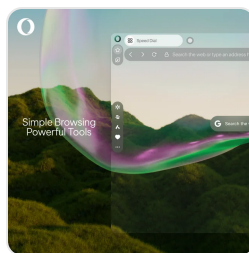
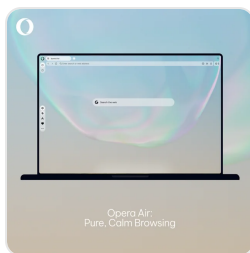
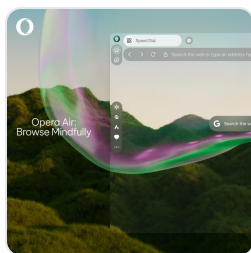
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Is the container running as root? See a similar issue on the creator's Github -

<https://github.com/boredazfcuk/docker-icloudpd/issues/381>

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I already saw that issue and yes, the Container is running with root. I somehow got it to work once. I added a second interface which directly connects to my router and then it worked for a while. After a reboot of the container it stopped working. I have now both interfaces running, but it seems that everything runs through eth0 but I want it to use net1.

```
# whoami
root
# /usr/local/bin/runc icloud.sh --initialize
2023-03-08 12:32:58 INFO ===== bordefrunk/icloud container for icloud_photo_downloader v1.0.0 started =====
2023-03-08 12:32:58 INFO ===== for support, please go here: https://github.com/bordefrunk/docker-icloud =====
2023-03-08 12:32:58 INFO Alpine Linux 3.18.2
2023-03-08 12:32:58 INFO TruNAS version: 1.11.2
2023-03-08 12:32:58 INFO Loading configuration from: /config/icloud.conf
2023-03-08 12:32:58 ERROR No route to icloud.com found. Please check your container's network settings - exiting
2023-03-08 12:32:58 ERROR Error: debug - traceroute: socketaddr_un(2,1): operation not permitted
```

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```
# ifconfig
eth0: Link encap:Ethernet Hwaddr A6:78:2A:88:84:EB
      inet addr:172.16.0.81 Bcast:172.16.255.255 Mask:255.255.0.0
      UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
      RX packets:40 errors:0 dropped:0 overruns:0 frame:0
      TX packets:18 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:4733 (4.6 KiB) TX bytes:1608 (1.5 KiB)

lo: Link encap:Local Loopback
      inet addr:127.0.0.1 Mask:255.0.0.0
      UP LOOPBACK RUNNING MTU:65536 Metric:1
      RX packets:0 errors:0 dropped:0 overruns:0 frame:0
      TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:1000
      RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

net1: Link encap:Ethernet Hwaddr 2E:8E:F6:EC:47:C5
      inet addr:10.255.41.207 Bcast:10.255.255.255 Mask:255.0.0.0
      UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
      RX packets:762 errors:0 dropped:6 overruns:0 frame:0
      TX packets:7 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:57014 (55.6 KiB) TX bytes:998 (998.0 B)
```

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Most likely there's a security setting in the image that is preventing it from running. traceroute is a little bit of a screwy app in the Unix space because it has to run setuid, and that's not always something allowed. If it works depends on the container's configuration and the base OS image it is using.

That said, it also won't work from containers using port forwarding (ie, not ipvlan or macvlan), but I don't think it would report an error, it just wouldn't ever get response packets. So I doubt that's it.

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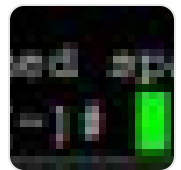
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If anyone had issues with SMB share from Windows to TrueNas in future (Connecting to TrueNas via file explorer)

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