Error "Get https://registry-1.docker.io/v2/: net/http: request canceled" while building image

Asked 7 years, 2 months ago Modified yesterday Viewed 303k times



I am getting the below error while building an image

108

Step 1/10 : FROM ubuntu:14.04

Get https://registry-1.docker.io/v2/: net/http: request canceled while waiting for connection (Client.Timeout exceeded while awaiting headers)



docker docker-image



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spamming my own answer, but top voted answer has issues --> <u>stackoverflow.com/a/77130871/5079799</u> – FreeSoftwareServers Sep 18, 2023 at 23:22

31 Answers

Sorted by:

Highest score (default)

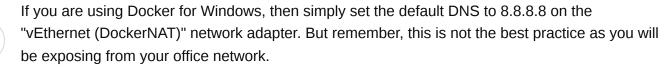






I think the issue is that you are behind the proxy which in which case you need to write a manual configuration in Docker systemd service file. That will override the default docker.service file.







In Linux environment, you could add the environment variable as you are behind HTTP_PROXY or HTTPS_PROXY, as you are using port 80 or 443 respectively. As shown below in :

/etc/systemd/system/docker.service.d/http-proxy.conf

[Service]
Environment="HTTP_PROXY=http://proxy.example.com:80/"

as for HTTPS PROXY in: /etc/systemd/system/docker.service.d/https-proxy.conf

```
[Service]
Environment="HTTPS_PROXY=https://proxy.example.com:443/"
```

Then just restart docker after deamon reload:

```
$ sudo systemctl daemon-reload
$ sudo systemctl restart docker
```

Hope this works.

Reference: https://docs.docker.com/engine/admin/systemd/#httphttps-proxy

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edited Mar 1, 2024 at 4:06

OMEGA

Thom omega $\mathbf{60} \bullet 7$

answered Jan 2, 2018 at 19:25



- 4 No I am not behind any proxy. Kuldeep Dangi Jan 3, 2018 at 4:55
- 4 (Can you modify the question with your environment) Cool then try this.. sudo nano /etc/resolv.conf #add these lines on top and above one for home router... nameserver 8.8.8.8 nameserver 8.8.4.4 and then restart the docker. mohan08p Jan 3, 2018 at 6:14 /
- 1 The HTTPS_PROXY value should start with "http://..." not "https://..." KurioZ7 Oct 29, 2019 at 6:33
- 1 If you are on windows and you are using a proxy, changing the proxy settings is way easier: Right click on Docker icon in the windows toolbar --> Settings --> Resources --> PROXIES Adrian Nov 26, 2020 at 12:15
- 1 I have an http proxy in my environment, and this configuration worked, Thanks. Felipe Alvarez Mar 15, 2021 at 1:15



I had the same problem and the following fix has worked for me:

https://github.com/moby/moby/issues/22635#issuecomment-260063252

58

In my case I've added the following 2 nameserver lines to /etc/resolv.conf file.



before:



nameserver 127.0.0.53

4

after:

nameserver 8.8.8.8 nameserver 8.8.4.4 nameserver 127.0.0.53 Share Improve this answer Follow

edited Jul 19, 2021 at 16:32

answered Mar 9, 2019 at 0:43





Correct. But what does this mean? Is Google involved in propagating Docker Hub DNS? – fde-capu Mar 10, 2023 at 0:21

You need to restart the docker daemon to take the changes into account: sudo systemctl restart docker - Édouard Lopez Jan 19, 2024 at 18:23



51

I was facing the same issue when trying to build or pull an image with Docker on Win10. Changing the DNS of the Docker vethernet(DockerNAT) network adapter to 8.8.8.8 fixed it for me, as described in this GitHub issue.



To change the DNS go to *Docker (Traylcon) -> Settings -> Resources -> Network* and set a *fixed DNS server* ip = [8.8.8.8].



Changing the DNS server in the configuration of the windows network adapter worked too.

After restarting Docker is able to pull and build images again.

Version Info:

Windows 10 x64 Enterprise Version 1709

\$ docker version

Client:

Version: 17.12.0-ce
API version: 1.35
Go version: go1.9.2
Git commit: c97c6d6

Built: Wed Dec 27 20:05:22 2017 OS/Arch: windows/amd64

Server: Engine:

Version: 17.12.0-ce

API version: 1.35 (minimum version 1.12)

Go version: go1.9.2 Git commit: c97c6d6

Built: Wed Dec 27 20:12:29 2017

OS/Arch: linux/amd64

Experimental: true

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edited Mar 12, 2020 at 6:19

Ilya Palachev

304 • 1 • 2 • 17

answered Feb 13, 2018 at 22:13



1 Thanks !! by the way i used clouflare's dns (1.1.1.1) its a little bit faster.. – BeatingBytes Jul 23, 2019 at 10:44 🧪



On Mac OS X, I fixed this issue by not using the experimental virtualization framework.

Preferences -> Experimental Features



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571 • 4 • 2



Confirming this fixed for me. Big Sur 11.3.1 & Intel with Docker Engine 20.10.6 – groksrc May 19, 2021 at 15:28

Big Sur 11.3.1, m1, Docker 20.10.6 works perfectly fine now – Aidos Rustem May 20, 2021 at 8:34

So, how do we get this to work with Big Sur experimental VF or is this just something that can't work yet? - saxzez May 23, 2021 at 0:21

That's it, thanks! It worked at some point on my machine but sounds like macOS 11.3.1 broke something. Will have to try on 11.4. – frankie567 May 26, 2021 at 11:48

This made my docker-desktop go crazy and now I can not get it to stable state nor guit even after rebooting my mac m1. – ashraf minhaj Jan 2, 2024 at 5:49



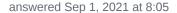
I got the same error and it was resolved by

27

docker logout registry-1.docker.io



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381 • 3 • 6



I installed docker while in VPN connection, figured out issue was related to vpn setting, but executing just this single line of command resolves the problem! - Gahan Nov 1, 2021 at 18:39



8

I had the same issue and only found out after 30 minutes that I was on a VPN network for work which blocks other sites. I went off the VPN, and it worked:) This is definitely a network issue. When it said "not authenticated", I thought perhaps I needed some login credentials or so.

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I face this problem when performing Ansible AWX installation.

I had my own private DNS :192.168.0.254 & 192.168.0.253 but was receiving same error.



Issue got resolved after change my DNS back to 8.8.8.8 & 8.8.4.4.



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answered Oct 31, 2019 at 2:28





This error occurs on Big Sur 11.3.1, Intel when you check the box for "Use new virtualization" framework" under the Experimental Features tab. Unchecking the box and restarting Docker fixed this problem for me.



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answered May 19, 2021 at 14:59



groksrc

3,025 • 1 • 30 • 29



I had the same problem. Doing factory reset seemed to have fixed it though. – Amir Raminfar May 25, 2021 at 2:04



This may be the old one, but fixed available here



https://success.docker.com/article/i-get-x509-certificate-signed-by-unknown-authority-error-when-<u>i-try-to-login-to-my-dtr-with-default-certificates</u>



run following commands on each server



export DOMAIN_NAME=bootstrap.node1.local export TCP_PORT=5000

openss1 s_client -connect \$DOMAIN_NAME:\$TCP_PORT -showcerts </dev/null 2>/dev/null | openssl x509 -outform PEM | tee /etc/pki/catrust/source/anchors/\$DOMAIN_NAME.crt

update-ca-trust /bin/systemctl restart docker.service

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edited May 24, 2020 at 22:18

answered Mar 20, 2018 at 23:21







I also had problems with pull requests timing out. with both



docker pull hello-world
kubeadm config images pull



Perhaps this problem started for me when upgrading the VM from ubuntu 18 to 20, but there were also many kubernetes related config changes I made, so not sure.



anyway this solution resolved it for me.

https://stackoverflow.com/a/51648635/11416610

thanks <u>@nils</u>!

incase the above link brakes, here is a quote:

I had the same issue yesterday. Since I am behind a company proxy, I had to define the http-proxy for the docker daemon in:

/etc/systemd/system/docker.service.d/http-proxy.conf

The problem was, that I misconfigured the https_proxy, how it is described here. I used https:// in the https proxy environment variable, which caused this error.

This configuration works for me:

cat /etc/systemd/system/docker.service.d/http-proxy.conf

[Service]

Environment=http_proxy=http://IP:PORT/
Environment=no_proxy=localhost,127.0.0.1
Environment=https_proxy=http://IP:PORT/

Remember that you have to restart the docker daemon after changing this configuration. You can achieve this by using:

systemctl daemon-reload
systemctl restart docker

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answered Nov 3, 2021 at 20:09





I was getting the same error. I am using a ubuntu 20.04 system



Error response from daemon: Get "https://registry-1.docker.io/v2/": net/http: request canceled while waiting for connection (Client.Timeout exceeded while awaiting headers)



I added the missing lines inside /etc/resolv.conf



nameserver 8.8.8.8 nameserver 8.8.4.4

sudo nano /etc/resolv.conf

This is how it looks now.

nameserver 8.8.8.8 nameserver 8.8.4.4 nameserver 127.0.0.53 options edns0 trust-ad

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answered Oct 20, 2022 at 2:00



Thank you! On same OS, tried a bunch of other proposed solutions but this was the one that worked for me. – Brian Z Oct 30, 2022 at 18:23



I have same issue with registry deployed in swarm. Restart docker helps but after some time it occurs again.



Redeploy registry with docker-compose



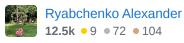
sudo docker-compose up -d



and all works fine

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answered Nov 6, 2019 at 17:53





Windows 10 - home PC. none of the solution worked for me. what worked is un-install docker, restart PC, "run as administrator" while installing exe. worked!!

2

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answered Sep 5, 2021 at 15:19









Ok, so issue is likely you are using a Proxy!



This answer applies to Linux only..



You'll need to configure the proxy in two places. One is for pulling docker images and the other resolves network access from inside containers.



Use below script, adjust ActiveProxyVar and corpdom and save script and run!



```
#!/bin/bash

#Proxy
#Note: Doesn't always require user:pwd, can just be IP at bare minimum
ActiveProxyVar=user:pwd@IP:PORT

#Domain
corpdom=domain.org

#NoProxy
NOT_PROXY=127.0.0.0/8,172.16.0.0/12,192.168.0.0/16,10.0.0.0/8,.$corpdom
httpproxyvar=http://$ActiveProxyVar/
httpsproxyvar=http://$ActiveProxyVar/
```

```
mkdir ~/.docker
cat << EOL >~/.docker/config.json
 "proxies":
 {
   "default":
     "httpProxy": "$httpproxyvar",
     "httpsProxy": "$httpsproxyvar",
     "noProxy": "$NOT_PROXY"
   }
}
}
E0L
mkdir -p /etc/systemd/system/docker.service.d
cat << EOL >/etc/systemd/system/docker.service.d/http-proxy.conf
[Service]
Environment="HTTP_PROXY=$httpproxyvar"
Environment="HTTPS_PROXY=$httpsproxyvar"
Environment="NO PROXY=$NOT PROXY"
```

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answered Sep 18, 2023 at 23:21

FreeSoftwareServers

2,831 • 6 • 40 • 72

1 THANK YOU. This was the only one that worked for me! – Turg6ise Jan 14 at 7:10



I faced this issue on ubuntu when I am trying to build **elasticsearch**:

1 And

And I got this error:



ERROR: Get https://docker.elastic.co/v2/: net/http: request canceled while waiting for connection (Client.Timeout exceeded while awaiting headers)



It was my network connection problem. I was using VPN. so I **disconnect my VPN connection** and it's working fine.

for some reasons, it's trying to look up the domain it seems trying to search for the domain inside the local network after I disconnect the VPN everything worked fine.

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answered Jul 16, 2020 at 5:47





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my solution was :

docker image prune and docker volume prune



For my case, my company needed to define my IP in the **White list** in order to access the cloud.docker files. So do not hesitate to tell the responsible person if you have such error.

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answered Jul 23, 2019 at 22:57

Yasi Klingler

636 • 7 • 13

553 • 6 • 10



43

My issue was with Windows WSL, not only do you have to set the static dns servers as mentioned above in both the Docker Desktop client, and your containers, but you also need to add



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[network]
generateResolvConf = false



to the <code>/etc/wsl.conf</code> in your linux containers. You will need to reboot your container as outlined in https://superuser.com/questions/1126721/rebooting-ubuntu-on-windows-without-rebooting-windows, or you can reboot your pc.

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answered Jun 29, 2021 at 21:10





None of those solutions worked for me. I finally make it work simply by doing an update of docker. (MAC OS)



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answered Oct 5, 2021 at 15:47





I experienced this issue when trying to push to Docker.

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1. I updated Docker Desktop (via the GUI)



2. I also ran docker system prune which prompts:



WARNING! This will remove: - all stopped containers - all volumes not used by at least one container - all networks not used by at least one container - all dangling images



Confirm this by entering yes

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answered Oct 13, 2021 at 16:52





It could be temporary network issue. I had same issue. I would these two



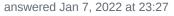
Re-run the command again



Restart the Docker Desktop



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I had the same issue. I was getting this error while following the <u>Udemy</u> course. Since I was new to Docker I was actually building image by giving incorrect repository name(I was using Instructor username instead of mine docker repository username). When we push the image to Docker hub, use your docker repository name. Hence build image using your username.



docker build . -t docker username/example:latest



where . represent current directory where your Dockerfile resides. Please first logged in your docker repository by using Docker desktop in your system

Hope this will solve someone's problem.

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answered Jan 19, 2022 at 1:35



Akii



0

I was stuck too, tried everything I could then I tried these: https://fedingo.com/how-to-uninstalldocker-in-ubuntu/

Make sure you repeat step 1 and 2 mentioned in link untill step 1 shows nothing



then proceed with step 3 and the next steps



then delete docker folder from here



/etc/systemd/system/docker.service.d/

then follow:

https://docs.docker.com/engine/install/ubuntu/

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answered Jul 28, 2022 at 5:58





If you are using Ubuntu, try to start with 'sudo'

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like pull something:



sudo docker pull hello-world sudo docker pull...



like build something:

```
sudo docker-compose -f xxxx.yaml
sudo docker-compose ...
```

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answered Oct 29, 2024 at 6:11



tamding dojee



0

If you're running docker on an EC2 instance, and you face this issue, one of the things you need to check is your outbound rules on your security group. You'll need add a rule that allows all traffic, and destination should be "Anywhere-IPv4". Save the rule and run your command again.



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answered yesterday

Simbarashe Mupfururirwa

375 • 2 • 14



-1

I have faced this error sometimes, my docker image is built smoothly before but when I have to remove all images (even I do not make any change with the docker configuration files or any error in code). this still happens.



Just log in through the terminal and use the below command

-1

docker login



Enter username and password



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answered Jul 14, 2022 at 19:27

* Amit Kumar **1,839** • 16 • 11



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