

# 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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asked Jan 2, 2018 at 6:16



Kuldeep Dangi

4,462 ● 6 ● 35 ● 56

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

## 31 Answers

Sorted by: Highest score (default)

1

2

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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.

77

If you are using Docker for Windows, then simply set the default DNS to 8.8.8.8 on the "vEthernet (DockerNAT)" network adapter. But remember, this is not the best practice as you will be exposing from your office network.



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 daemon 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

answered Jan 2, 2018 at 19:25

 **Thom omega**  
60 ● 7

 **mohan08p**  
5,392 ● 1 ● 31 ● 36

- 
- 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
```

after:

```
nameserver 8.8.8.8
nameserver 8.8.4.4
nameserver 127.0.0.53
```

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edited Jul 19, 2021 at 16:32

answered Mar 9, 2019 at 0:43



TuGordoBello

4,510 ● 9 ● 57 ● 88



mechatroner

1,350 ● 1 ● 18 ● 28

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



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](#).

51



To change the DNS go to *Docker (TrayIcon) -> 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

answered Feb 13, 2018 at 22:13




Ilya Palachev

304 ● 1 ● 2 ● 17



bwibo

691 ● 4 ● 11

- 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.

47

Preferences -> Experimental Features



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answered May 3, 2021 at 19:07



[Mirek](#)

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 quit 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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answered Sep 1, 2021 at 8:05



[FelixVo](#)

381 ● 3 ● 6



- 3 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



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.

8

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answered Oct 31, 2018 at 7:59

[Sydney Molobela](#)

193 ● 4 ● 10



I face this problem when performing Ansible AWX installation.

8

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

[Bariou Alarou](#)

101 ● 1 ● 1



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.

6

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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

4

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



run following commands on each server



```
export DOMAIN_NAME=bootstrap.node1.local
export TCP_PORT=5000
openssl s_client -connect $DOMAIN_NAME:$TCP_PORT -showcerts </dev/null
2>/dev/null | openssl x509 -outform PEM | tee /etc/pki/ca-
trust/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



David Lay

2,955 ● 4 ● 27 ● 48



Saleem Shar

64 ● 2



3



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 [@nils](#)!

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
```



Brian Davis

73 ● 6



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

3



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



Nitin Raturi

1,835 ● 1 ● 10 ● 12

- 1 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.

2

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



[Ryabchenko Alexander](#)

12.5k ● 9 ● 72 ● 104



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



[selva](#)

71 ● 1 ● 3



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

2

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"
    }
  }
}
EOL

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! – Turq6ise Jan 14 at 7:10



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

1

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



Sayem

104 ● 11



my solution was :

1

`docker image prune` and `docker volume prune`

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answered Jun 26, 2022 at 19:32

[reinaH](#)

553 ● 6 ● 10



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.

0

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answered Jul 23, 2019 at 22:57

[Yasi Klingler](#)

636 ● 7 ● 13



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

0



```
[network]
generateResolvConf = false
```



to the `/etc/wsl.conf` 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

[r2DoesInc](#)

3,771 ● 3 ● 32 ● 60



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

0

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answered Oct 5, 2021 at 15:47

[Romain TAILLANDIER](#)

2,015 ● 15 ● 22



I experienced this issue when trying to push to Docker.

0

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



Harry Riley

333 ● 3 ● 10

▲

0

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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answered Jan 7, 2022 at 23:27



Phani Kiran Mullapudi

190 ● 1 ● 5

▲

0

I had the same issue. I was getting this error while following the [Udemy](#) 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

11 ● 2

▲

0

I was stuck too, tried everything I could then I tried these: <https://fedingo.com/how-to-uninstall-docker-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



Satnam

11 ● 1



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

0

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

41 ● 4



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.

0



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answered yesterday



Simbarashe  
Mupfururirwa

375 ● 2 ● 14



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.

-1



so I think that it may cause by the connection for it does a "Get <https://registry-1.docker.io/v2/>:....."



I have change DNS to google DNS 8.8.8.8 and 8.8.4.4 then it 's worked. good luck!

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answered Apr 23, 2020 at 9:13



joe-khoa

610 ● 1 ● 6 ● 10



I got this error from my own Internet connection. Switched to another provider, all good.

-1

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answered Feb 12, 2021 at 17:37



SmallChess

8,166 ● 9 ● 56 ● 95



Just add at the end of your shell command `--dns 8.8.8.8`

-1

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answered Mar 1, 2022 at 23:46



Max Chernopolsky

627 ● 7 ● 17



1 It gives unknown flag error – [Deekshith Anand](#) May 17, 2022 at 11:23

@DeekshithAnand the flag does exist. If you execute `docker run --help` you will see the following message: `--dns list` Set custom DNS servers , therefore it does exist – [Hola Soy Edu Feliz Navidad](#) Jun 7, 2023 at 8:39



Experienced this Error while I was trying to : `docker pull odoo`

-1

and my solution was: `sudo systemctl restart docker`



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answered Jul 2, 2022 at 16:35



shyakadev

49 ● 5





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

1

2

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