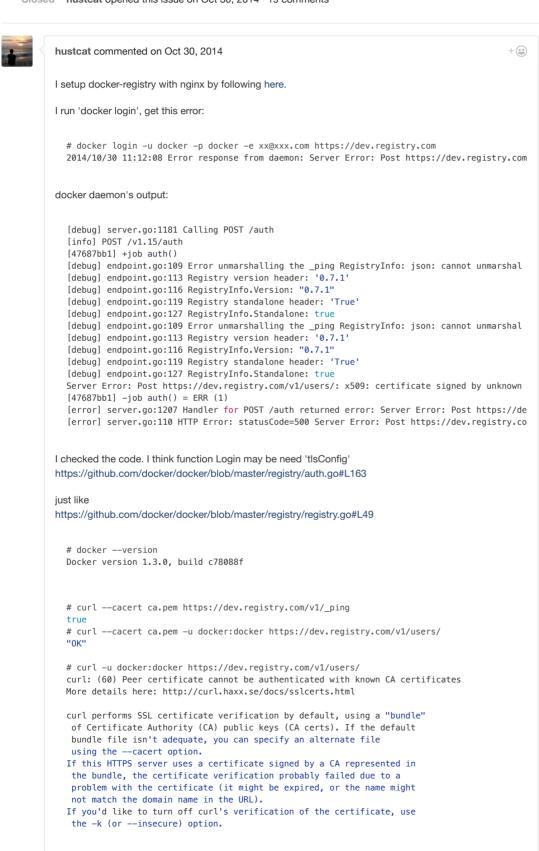


access private registry: x509: certificate signed by unknown authority #8849

New issue

Closed hustcat opened this issue on Oct 30, 2014 · 19 comments



Assignees
No one assigned

Labels
None yet

Projects
None yet

Milestone
No milestone

Notifications

Notifications

from this thread.



tiborvass commented on Nov 4, 2014



@hustcat As of Docker 1.3.1, you can do --insecure-registry dev.registry.com:5000 you can replace 5000 with whichever port your registry is listening on.

I'm closing this now, but let us know in the comments if this did not solve your issue.



tiborvass closed this on Nov 4, 2014



behemphi commented on Nov 5, 2014



+ (00)

I am leaving this here b/c it took me a few minutes to figure it out, and might save someone the time. The command would be:

%> docker --insecure-registry=docker-registry.example.com:8080 login https://dockerregistry.example.com:8080

Thanks for getting the switch put in place for 1.3!

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rhasselbaum commented on Jan 20, 2015



I am facing the same problem. The certificate validation works for the ping (and pushing/pulling), but not login.

The --insecure-registry flag is a workaround, not a fix. The certificate validation should work if the CA certificate is loaded into /etc/docker/certs.d/<registry> , but it doesn't.

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cdub50 commented on Jan 20, 2015



I cant event get it to work by setting --insecure-registry I am on docker 1.3.2 on RedHat 7

[root@ip-10-2-20-209 ec2-user]# docker --insecure-registry=qa.docker.repo login https://qa.docker.repo Username: qa

Password:

Email: qa@user.com

2015/01/19 14:26:40 Error response from daemon: Server Error: Post https://ga.docker.repo/v1/users/: x509: certificate signed by unknown authority

curl works fine when I use the generated ca.pem file.

curl --cacert /home/ec2-user/ca.pem -u qa:xxxxx https://qa.docker.repo/v1/users/ "OK"



mp88 commented on Jan 20, 2015



I'm having the same issue on docker version 1.3.2 and opensuse 13.1. I even tried to statically pass -cafile cacert.pem to every curl call (since I assumed docker internally just uses curl), however, this also did not help.

Any help would be much appreciated.

Thanks.

Mario



ghost commented on Jan 20, 2015



Before I found this issue, I opened #10150. They appear to be the same issue.



ieffutter commented on Jan 20, 2015



I seem to be having the same issue. Archlinux client 1.4.1 and the registry running from the official docker container. Anyone have any thoughts?



grimmy commented on Jan 20, 2015



If you've installed the cert globally (via ca-certificates) make sure you restart docker as it won't reload the global ssl certs. That said, mine still isn't working, but I ran into that at work:)



mp88 commented on Jan 20, 2015



Thank you grimmy, that did the trick on my end and it finally works. I did:

- 1. Get cacert.pem from http://curl.haxx.se/docs/caextract.html
- 2. Copy the cacert.pem file to /etc/pki/trust/anchors/
- 3. sudo update-ca-certificates
- 4. sudo systemctl docker stop
- 5. sudo systemctl docker start

mario

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rhasselbaum commented on Jan 20, 2015



Thank you, that also worked for me. Equivalent steps on Ubuntu/Debian:

1. Copy CA cert to /usr/local/share/ca-certificates.

- 2. sudo update-ca-certificates
- 3. sudo service docker restart

There is still a bug here, though. The docs say to install the CA cert in

/etc/docker/certs.d/<registry> , and clearly that isn't sufficient. In fact, after installing the certificate globally, I removed the one in /etc/docker/certs.d , restarted Docker, and it still worked.

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Closed

Fandekasp referenced this issue on Jan 30, 2015

Misleading error message about certificates #10452



GaretJax commented on Jul 8, 2015





+1 for reopening this, as @rhasselbaum mentioned



cjw296 commented on Sep 16, 2015



Has --insecure-registry gone away?

- \$ docker --version
- Docker version 1.8.2, build 0a8c2e3
- \$ docker --insecure-registry
- flag provided but not defined: --insecure-registry
- See 'docker --help'.

What should we use now?

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cdub50 commented on Sep 17, 2015



that goes in the docker config file you can check if its set by looking at the docker process you should see the --insecure-registry flag

On Wed, Sep 16, 2015 at 3:01 AM, Chris Withers notifications@github.com wrote:

Has --insecure-registry gone away?

\$ docker --version

Docker version 1.8.2, build @a8c2e3

\$ docker --insecure-registry

\$ docker --insecure-registry

flag provided but not defined: --insecure-registry

See 'docker --help'.

What should we use now?

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Reply to this email directly or view it on GitHub #8849 (comment).



hchaithanya commented on Oct 9, 2015



I got the same error for docker pull command and I think the following should work. Copy the SSL certificate which is the '.crt' file to the directory

sudo cp foo.crt /usr/share/ca-certificates/extra/foo.crt

Let Ubuntu add the '.crt' file's path relative to /usr/share/ca-certificates to /etc/ca-certificates.conf

sudo dpkg-reconfigure ca-certificates

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jamiehannaford referenced this issue in getcarina/getcarina.com on Oct 9, 2015
Using RCS Private repositories #29

Closed



carloshpds commented on Nov 30, 2015



if your machine state is not important, so you can run docker-machine rm <machine-name> and create another one;)



rezonant commented on Feb 16, 2016



If you use LetsEncrypt and you don't want to run anything without proper TLS, make sure to provide the full chain of the certificate including intermediates (ie

REGISTRY_HTTP_TLS_CERTIFICATE=.../fullchain.pem) you may see green in Chrome while still getting this error from Docker.

Cheers!

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iamqizhao referenced this issue in <code>grpc/grpc-go</code> on Jun 15, 2016

Conn.resetTransport failed to create client transport: connection error:

desc = "transport: x509: certificate signed by unknown authority" with certificate
generated by Let's encrypt #702



JazzDeben commented on Sep 16, 2016 • edited



On Ubuntu. If you experience error:

 x509: cannot validate certificate for [IP address or domain name] because it doesn't contain any IP SANs

On the Docker registry the certificate had to be compiled with the subjectAltName as described here: https://docs.docker.com/engine/security/https/

Here is the code for convenience:

\$ echo subjectAltName = IP:10.10.10.20,IP:127.0.0.1 > extfile.cnf

\$ openssl x509 -req -days 365 -sha256 -in server.csr -CA ca.pem -CAkey ca-key.pem

-CAcreateserial -out server-cert.pem -extfile extfile.cnf

Note, I was able to check the subject alternative name is present in the certificate using the following command:

openssl x509 -in certificate.crt -text -noout

However, on Ubuntu 14 client (i.e. Docker Engine)

This error was followed suit by

x509: certificate signed by unknown authority

For people using Ubuntu 14.

The config file that is used for the Docker engine (that I want to use to connect to the Docker Registry): /etc/default/docker

in there, you need to specify the docker options:

DOCKER_OPTS="--insecure-registry myinsecure.com:5000"

Then restart the daemon (add sudo if you user is not allowed to start a docker service):

\$ [sudo] service docker restart

The value does not need to be a domain name, it simply has to match what you certificate is registered with; I have an IP address with a port and this works... (i.e. e.g. 100.100.100.100:100)

All this took me a day, so, I am posting this hoping that it will be useful to other people...



sallespro commented on Oct 5, 2016 • edited



@JazzDeben Thanks for your remarks! very useful! i am not sure how to do it with a Let's Encript certbot generated certificate.

i get this error in the registry server

tls: client didn't provide a certificate

Chrome complains about ERR_BAD_SSL_CLIENT_AUTH_CERT

if i include

tls:

clientcas:

- /path/to/ca.pem



david-drinn commented on Oct 7, 2016 • edited



@cjw296 For RHEL7.2, I edited the file, /usr/lib/systemd/docker.service, and in the ExecStart line added the --insecure-registry=your.docker.registry.com.

< ExecStart=/usr/bin/dockerd

> ExecStart=/usr/bin/dockerd --insecure-registry=your.docker.registry.com

Then I ran sudo systemctl daemon-reload to pick up the configuration change, followed by sudo systemctl restart docker. And now it works.

To be honest, I'm still a systemd noob and there are probably better ways to do this more cleanly. But I struggled with this for too long, and wanted to post a workaround. Thanks to @cdub50 for leading me in the right direction.

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mrkz referenced this issue in clearlinux/clear-config-management on Oct 8, 2016

Error while downloading the clearlinux images for docker-hub #81

Closed

