

COMMUNITY ** FORUMS ** EXPRESS ** RUNNING CENTRIFYDC IN DOCKER CONTAINER **

Running centrifydc in docker container



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and when I run strace for adjoin process (running inside container) on docker host I get the following output:

```
root@mydocker-host:~# strace -p 15624
Process 15624 attached
restart syscall(<... resuming interrupted call ...>) = 0
socket(PF LOCAL, SOCK STREAM, 0)
                                        = 3
fcntl(3, F_GETFL)
                                        = 0x2 (flags O RDWR)
fcntl(3, F_SETFL, O_ACCMODE|O_NONBLOCK) = 0
connect(3, {sa_family=AF_LOCAL, sun_path="/var/centrifydc/daemon"}, 24) = -1 ENOENT (No such file or directory)
close(3)
                                        = 0
nanosleep({0, 500000000}, NULL)
                                        = 0
socket(PF_LOCAL, SOCK_STREAM, 0)
                                        = 3
fcntl(3, F GETFL)
                                        = 0x2 (flags O RDWR)
fcntl(3, F_SETFL, O_ACCMODE|O_NONBLOCK) = 0
connect(3, {sa_family=AF_LOCAL, sun_path="/var/centrifydc/daemon"}, 24) = -1 ENOENT (No such file or directory)
close(3)
nanosleep({0, 500000000}, NULL)
                                        = 0
socket(PF_LOCAL, SOCK_STREAM, 0)
                                        = 3
fcntl(3, F GETFL)
                                        = 0x2 (flags O RDWR)
fcntl(3, F_SETFL, O_ACCMODE|O_NONBLOCK) = 0
connect(3, {sa_family=AF_LOCAL, sun_path="/var/centrifydc/daemon"}, 24) = -1 ENOENT (No such file or directory)
close(3)
                                        = 0
[\ldots]
```

And I have to admit /var/centrifydc/daemon socket is not present in docker container:

```
root@mydocker-container:/# ls -l /var/centrifydc/
total 56
-rw-r--r 1 root root 423 Jan 20 12:12 kset.dc.mydomain
-rw----- 1 root root 54 Jan 20 12:12 kset.des.salt
-rw-r--r-- 1 root root 17 Jan 20 12:12 kset.domain
-rw-r--r 1 root root 32 Jan 20 12:12 kset.domaincontroller
-rw-r--r-- 1 root root 17 Jan 20 12:12 kset.forest
-rw-r--r-- 1 root root 32 Jan 20 12:12 kset.globalcatalog
-rw-r--r-- 1 root root 41 Jan 20 12:12 kset.host
-rw-r--r-- 1 root root 8 Jan 20 12:12 kset.licensemode
-rw-r--r-- 1 root root 15 Jan 20 12:12 kset.prew2k.host
-rw-r--r-- 1 root root 9 Jan 20 12:12 kset.schema
-rw-r--r-- 1 root root 11 Jan 20 12:12 kset.site
-rw-r--r-- 1 root root 32 Jan 20 12:12 kset.zone
-rw-r--r-- 1 root root 26 Jan 20 12:12 kset.zonename
drwxrwxrwt 2 root root 4096 Jan 20 12:12 user
root@mydocker-container:/#
```

Thank you, Rafał Jankowski

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Traditionally support is driven from the paid version and if there are no major architectural changes it's simultaneously available to the community version.

In general, and admitting that I have a miniscule exposure to dockers, I expect us to be a shared component among dockers (or selectively exposing it, based on the requirement), rather than joining an individual docker. If that even makes sense:)

This will post will be escalated.

R.P

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01-20-2015 07:11 AM Options

rafajot

Participant II



Registered: 01-20-2015

#3 of 17 6,875

Robertson,

Do I understand correctly that in the solution you are planning the docker host will join domain and it will have shared component that will allow docker containers running on this host to join the same domain?

If so it is some reasonable solution but it is also seems to be kind of limitation - different docker containers running on the same host won't be able to join different domains or even different Organizational Units within the same domain etc.

Regards, Rafał

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01-20-2015 10:37 AM Options



Centrify Guru I



Posts: 2,034 Registered: 07-26-2012

#4 of 17 6,859

Great feedback :-)

That Rafal is why we let our bigger customers outline their customer stories and use cases before we develop and productize capabilities.

Let's hope we have something cooking and maybe by the summer we can have an update for you.

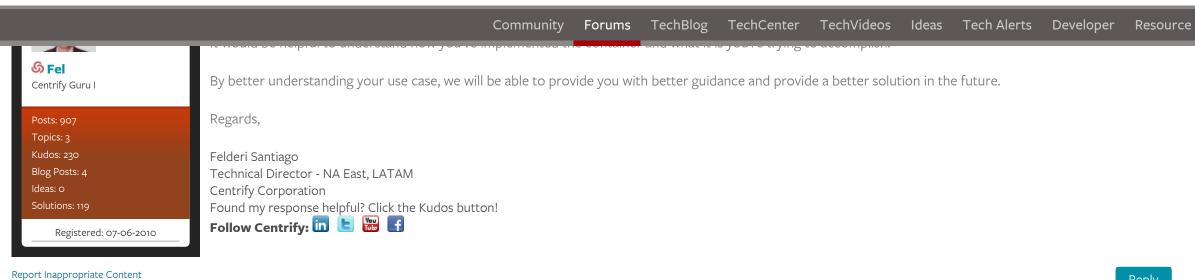
R.P

Want to learn more about practical Centrify examples? Check out my blog at http://centrifying.blogspot.com

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01-20-2015 12:31 PM Options





Posts: 5 Registered: 01-20-2015 #6 of 17 6,849

My goal is to run docker host with couple of docker containers. Each container I would like to access (SSH, Apache with basic authentication) with AD credentials. So actually scenario described by Robertson would be quite satisfactionary for me - at the moment I don't need sepearate domains for different containers running on the same host. However I would like to have different login permissions (for example pam.allow.groups) among different Docker containers.

I'm not sure if it answers your question - if not please let me know.

Regards, Rafał

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#7 of 17 6,817



Thanks,

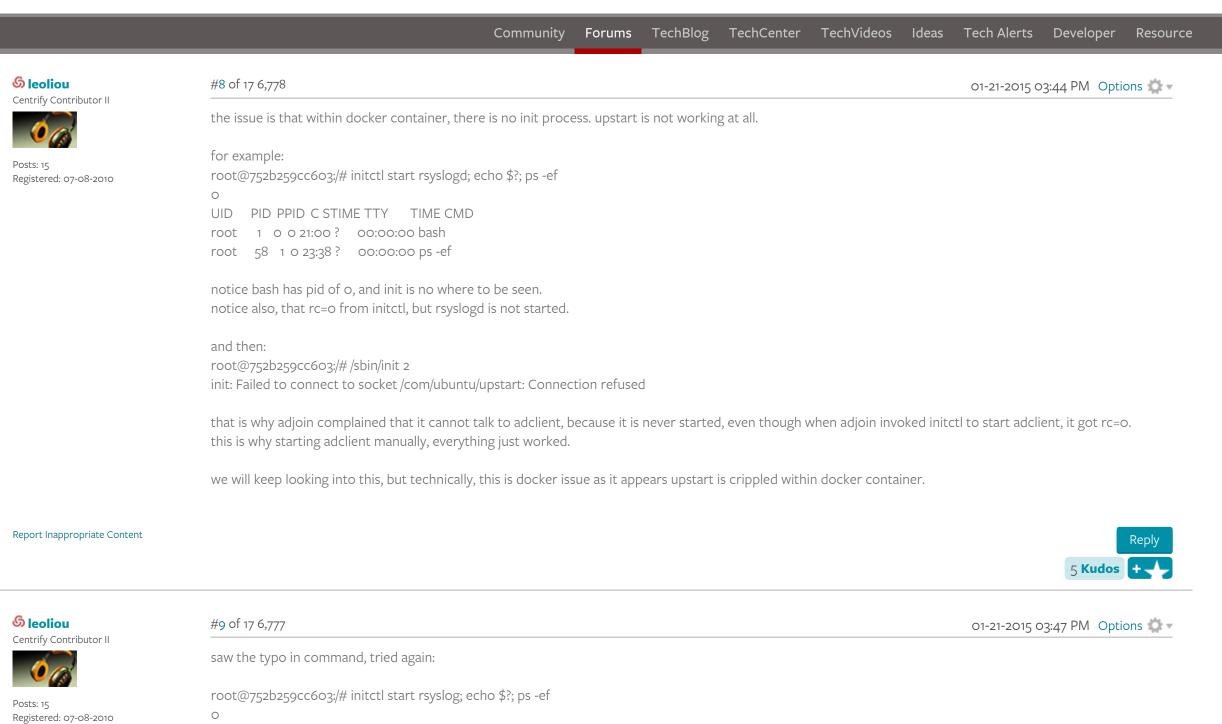
I took a closer look at this and I am able to reproduce your issue. We're looking into why adjoin is unable to start adclient after the join but a workaround for now is to start adclient manually by running "/usr/sbin/adclient".

Running adinfo should now show status as connected.

We will post more information here as it becomes available.

Hope this helps,

Felderi Santiago Technical Director - NA East, LATAM **Centrify Corporation**



UID PID PPID C STIME TTY TIME CMD root 1 o o 21:00 ? oo:00:00 bash root 60 1 o 23:46 ? oo:00:00 ps -ef

note, bash is because of command:

root@leo-u1404-s64a:~# docker run -t -i myubuntu:cdc-installed bash

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01-22-2015 11:33 AM Options

