

# Docker group and permissions

Asked 12 months ago   Modified 12 months ago   Viewed 836 times



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I am learning penetration testing, and I am trying to perform linux privilege escalation using docker. So I created a new user with the minimum permissions and I added it to the docker group. The problem now is that this new user cannot run docker.

I tried to change the permission for this user using chmod but it does not work. Can anyone help me please to permit the new user to run docker!! this is the new user:



```
pentester:x:1001:1001:~/home/pentester:/bin/bash
```

and this is the docker group:

```
docker:x:976:anasgharsa,pentester
```

and when I am connected with the new user and try `docker images` or `docker ps` I get this error message : "unable to get absolute bin path: stat .: permission denied"

linux   docker   permissions

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edited Sep 3, 2023 at 16:29



Pino

9,123 ● 7 ● 56 ● 74

asked Sep 1, 2023 at 14:55



Anas Gharsa

1 ● 1

## 1 Answer

Sorted by: Highest score (default)



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It seems like user doesn't have the necessary permissions to run Docker. I hope that you have included your user "pentester" in the following way: **sudo usermod -aG docker pentester**

First confirm that user is a member of the "docker" group, you can run the following command as the root user: **grep '^docker:' /etc/group**



If not then add the user by executing following command: **sudo usermod -aG docker pentester**

Confirm the user's membership in the "docker" group by executing the following command:  
**groups pentester**

Restart the docker services by the following command: **sudo service docker restart**

Start a new shell session.

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answered Sep 1, 2023 at 18:47



Vansh Damania

1 ● 1

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First of all, thank you for your reply, second, yes I did include pentester to the docker group using "sudo usermod -aG docker pentester" and then I restarted the docker service but still cannot run docker and that's why I posted my question here trying to find some answers. when I execute the command "grep '^docker:' /etc/group" I get this "docker:x:976:anasgharsa,pentester", even "groups pentester" this is what I get "pentester : pentester docker". I searched everywhere to find how can pentester run docker but I find that I need to add him to the docker group but he is already in the group – [Anas Gharsa](#) Sep 2, 2023 at 10:10

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no one can tell me how to resolve this problem?? is it that hard ?' should I give up already ?

– [Anas Gharsa](#) Sep 3, 2023 at 13:30

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