iptables: No chain/target/match error (with docker network create)

Asked 5 years ago   Modified 2 years, 1 month ago   Viewed 32k times

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When creating a network (`docker network create -d bridge my-nw`), I obtained this error in response:

> Error response from daemon: Failed to Setup IP tables: Unable to enable SKIP DNAT rule: (iptables failed: iptables --wait -t nat -I DOCKER -i br-bedba04c7349 -j RETURN: iptables: No chain/target/match by that name.
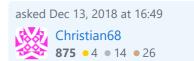
What do I need to do to go around? Docker or IP Table modifications?
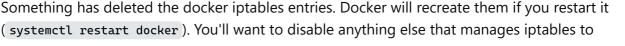
`docker`   `networking`   `iptables`

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edited Dec 13, 2018 at 17:09
👤 **rogerdeuce**
1,481 ● 6 ● 31 ● 48

asked Dec 13, 2018 at 16:49
👤 **Christian68**
875 ● 4 ● 14 ● 26

3 Answers

Sorted by: Highest score (default) ⇕

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Something has deleted the docker iptables entries. Docker will recreate them if you restart it (`systemctl restart docker`). You'll want to disable anything else that manages iptables to prevent this from happening in the future.

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answered Dec 13, 2018 at 17:07
👤 **BMitch**
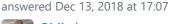**240k** ● 44 ● 492 ● 459

This command restarts the whole docker but you can just restart docker.socket – behrad Feb 1 at 7:09

@behrad Restarting the socket restarts the docker daemon, it's a dependency for running the engine. The code to reset the firewall settings is part of the engine startup. – BMitch Feb 1 at 14:48

That something in my case turned out to be temporarily disabling firewalld , but same as others restarting the docker service `systemctl restart docker` makes it work again – rugby2312 Oct 10 at 9:34

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```
sudo systemctl restart docker.socket
```

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answered Nov 24, 2021 at 12:12

Mohamed Farouk
1,029 ● 1 ● 14 ● 29

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indeed that fixes the issue, but that would even better if one could explain the root cause.
– Baptiste Mille-Mathias Jan 11 at 9:09

1   stackoverflow.com/questions/35110146/... -@BaptisteMille-Mathias – Mohamed Farouk Jan 11 at 22:42
🖊

This will result in the docker engine being restarted. See the output of `systemctl cat docker | grep docker.socket` to see the dependency. – BMitch Feb 1 at 14:50

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This can happen when you accidently flush all your chains and tables, for example using `iptables --flush`. Simply restart your docker daemon as mentioned by BMitch

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answered Dec 14, 2018 at 18:13

Nevolution
41 ● 2

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