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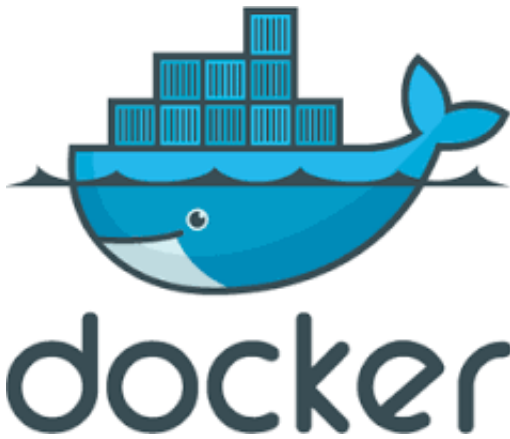
docker: Error response from daemon: Could not attach to network: rpc error: code = 7 desc = network not manually configured

🕒 April 27, 2017

Posted by: [Ranjithkumar T](#)

Category: [Blog](#), [Containers](#)

<https://www.assistanz.com/blog/docker-error-response-from-daemon-could-not-attach-to-network-rpc-error-code-7-desc-network-not-manually-configured>



docker: Error response from daemon: rpc error: code = 7 network not manually attachable:

I got this error: 'docker rpc error code desc network not manually attachable'

when i try to create containers on the overla network on swarm mode enabled,

```
root@b0d1c1:~# docker run --it --name test --network swarmtest1 -f ranjithkumar/wordpress:latest /bin/bash
1257460100f7871a57d4e7b0c71255c18a51d5a0b0f0a1a9b1a5b79
docker: Error response from daemon: Could not attach to network swarmtest1: rpc error: code = 7 desc = network swarmtest1 not manually attachable.
```

(<https://www.assistanz.com/wp-content/uploads/2017/04/n1err.jpg>)

```
root@b0d1c1:~# docker run --it --name test --network swarmtest1 -f ranjithkumar/wordpress:latest /bin/bash
1257460100f7871a57d4e7b0c71255c18a51d5a0b0f0a1a9b1a5b79
docker: Error response from daemon: Could not attach to network swarmtest1: rpc error: code = 7 desc = network swarmtest1 not manually attachable.
```

(<https://www.assistanz.com/wp-content/uploads/2017/04/n2err.jpg>)

In docker 1.12 with swarm mode enabled,

“Swarm” scoped networks (check “SCOPE” column) cannot be used for docker run, only for services (<https://github.com/moby/moby/issues/27064>) and now it has been rectified.

I’m using updated version of docker, but still why i’m experiencing the error ?

```
root@node1:~# docker version
Client:
 Version:      17.04.0-ce
 API version:  1.28
 Go version:   gol.7.5
 Git commit:   4845c56
 Built:       Mon Apr  3 18:07:42 2017
 OS/Arch:     linux/amd64

Server:
 Version:      17.04.0-ce
 API version:  1.28 (minimum version 1.12)
 Go version:   gol.7.5
 Git commit:   4845c56
 Built:       Mon Apr  3 18:07:42 2017
 OS/Arch:     linux/amd64
 Experimental: false
root@node1:~#
```

(<https://www.assistanz.com/wp-content/uploads/2017/04/vern1.jpg>)

```
root@node2:~# docker version
Client:
 Version:      17.04.0-ce
 API version:  1.28
 Go version:   gol.7.5
 Git commit:   4845c56
 Built:       Mon Apr  3 18:01:08 2017
 OS/Arch:     linux/amd64

Server:
 Version:      17.04.0-ce
 API version:  1.28 (minimum version 1.12)
 Go version:   gol.7.5
 Git commit:   4845c56
 Built:       Mon Apr  3 18:01:08 2017
 OS/Arch:     linux/amd64
 Experimental: false
root@node2:~#
```

(<https://www.assistanz.com/wp-content/uploads/2017/04/vern2.jpg>)

because the network just created but not manually attachable.

To fix the issue we gonna use `--attachable` flag while creating network.

[`--attachable` Enable manual container attachment]

```
root@node1:~# docker network create attnw -d overlay --subnet 10.11.0.1/24 --attachable
takz3kjcr209cej7tkdoeeo3q
```

(<https://www.assistanz.com/wp-content/uploads/2017/04/nwcreatn1.jpg>)

```
root@b0b21:~# docker run -it --name omd3 -p --network attnw ranjithkumar/assn2115-omd3:0.1.0 /bin/bash
root@b0b21:~# docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
b0b21f0f720        ranjithkumar/assn2115-omd3:0.1.0   "/bin/bash"        7 seconds ago      Up 3 seconds              0.0.0.0:32740->0.0.0.0:22    omd3
```

(<https://www.assistanz.com/wp-content/uploads/2017/04/contcreaten1.jpg>)

(Need to create service on the overlay network, so that the overlay network will available / list on the worker

```
root@b0b21:~# docker run -it --name omd3 -p --network attnw ranjithkumar/assn2115-omd3:0.1.0 /bin/bash
root@b0b21:~# docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
b0b21f0f720        ranjithkumar/assn2115-omd3:0.1.0   "/bin/bash"        6 seconds ago      Up 3 seconds              0.0.0.0:32770->0.0.0.0:22    omd3
```

(<https://www.assistanz.com/wp-content/uploads/2017/04/contcreaten2.jpg>)

docker inspect attnw (attnw is our test network)should show your own container names on the overlay network nodes (manager / worker) and must be reachable.

could not attach to network
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