

# Disable IPv6 in docker compose

I have a docker-compose project that I am trying to run on my server, which does not have IPv6 enabled. Whenever I try to run the container, I get the following error message:

```
nginx: [emerg] socket() [::]:80 failed (97: Address family not supported by protocol)
```

I figured that is because IPv6 is not enabled on my server (it is managed by a third party, so I can't touch that), so I tried disabling IPv6 for docker-compose, so far without any luck.

I tried adding

```
sysctls:  
  net.ipv6.conf.all.disable_ipv6: 1
```

on my config file, but then I received the following error Error response from daemon: failed to create shim task: OCI runtime create failed: runc create failed: unable to start container process: error during container init: open /proc/sys/net/ipv6/conf/all/disable\_ipv6: no such file or directory: unknown

How can I disable IPv6 in docker-compose, either for this particular container or system-wide to not have issues like this?

This is my current config

```
container_name: cont-nginx  
networks:  
  - cont  
image: nginx:latest  
depends_on:  
  - cont-app  
restart: always  
ports:  
  - "880: 880"  
  - "4443: 4443"  
sysctls:
```

```
- net.ipv6.conf.all.disable_ipv6=1
volumes:
- ./nginx.conf:/etc/nginx/nginx.conf
```

networks: cont: driver: bridge

Solution : Disabling IPv6 for the docker's network should do the job:

networks: cont: driver: bridge enable\_ipv6: false Also, maybe you should consider removing this from your nginx conf

listen [::]:80; because [::] is for IPv6.

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Revision #1

Created 5 November 2023 02:37:15 by 3err0

Updated 5 November 2023 02:38:31 by 3err0