

Redis WARNING Memory overcommit must be enabled

Asked 5 months ago Modified 2 months ago Viewed 5k times



5



I'm running my redis server on a docker container hosted on my local windows machine, but i am unable to store data because of this warning

WARNING Memory overcommit must be enabled! Without it, a background save or replication may fail under low memory condition. Being disabled, it can can also cause failures without low memory condition, see <https://github.com/jemalloc/jemalloc/issues/1328>. To fix this issue add 'vm.overcommit_memory = 1' to /etc/sysctl.conf and then reboot or run the command 'sysctl vm.overcommit_memory=1' for this to take effect.

is there a way i can enable this?

```
version: '3'
services:
  redis:
    image: "redis"
    ports:
      - "6379:6379"
    networks:
      - my-service

networks:
  my-service:
    external: true
```

java

node.js

docker

docker-compose

redis

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asked Aug 3, 2023 at 18:42



watch dog

327 ● 4 ● 16

"To fix this issue add 'vm.overcommit_memory = 1' to /etc/sysctl.conf and then reboot" – did you try what the error message is telling you? – [knittl](#) Aug 3, 2023 at 19:17

4 my issue is where do i update this /etc/sysctl.conf from docker? – [watch dog](#) Aug 3, 2023 at 19:34

This is also happening to a Docker setup of mine. Seems to make little sense to me, to fix this for a Docker deployment. – [Akito](#) Aug 17, 2023 at 20:25

Are you sure this problem is in any way related to Java or node.js? – [Nico Haase](#) Oct 23, 2023 at 13:43

1 Answer

Sorted by: Highest score (default)





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First of all, it has nothing to do with the Redis image or container itself and there isn't any direct way to resolve it through the docker-compose or the docker run command. It's merely related to the host OS which in Windows case is the Linux hypervisor which docker runs on top of it.

If you use the WSL2 backend like me to run docker on your Windows, you can change it temporarily by simply starting a WSL distribution, and running:

```
sudo sysctl -w vm.overcommit_memory=1
```

It will not be persistent by the way. Unfortunately dealing with this issue requires a good knowledge of Linux to work against user permissions, strange access denies, package managers, etc and for me, coming from the Windows background, it was a tough task to dig into this issue any further.

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answered Oct 23, 2023 at 13:40



[Farshad Davoudi](#)

51 ● 5