Docker ❤️ MongoDB

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Posted on 13 de out. de 2020 • Updated on 12 de ago.

🐳 mongodump and mongorestore with Docker

#docker#mongodb#todayilearned#todayisearched

Hi! TIL how to restore and dump a MongoDB container. The trick is to disable pseudo-tty allocation. Otherwise extra characters are added to the backup file. They prevent mongorestore from working properly.

With Docker

With docker, pseudo-tty allocation is deactivated by default, but the -i (interactive) option is required with the restore command.

mongodump

- No Auth : docker exec <mongodb container> sh -c 'mongodump --archive' > db.dump
- Authenticated : docker exec <mongodb container> sh -c 'mongodump --authenticationDatabase admin -u <user> -p <password> --db <database> --archive' > db.dump

mongorestore

- No Auth : docker exec -i <mongodb container> sh -c 'mongorestore --archive' < db.dump
- Authenticated : docker exec -i <mongodb container> sh -c 'mongorestore --authenticationDatabase admin -u <user> -p <password> --db <database> --archive' < db.dump

With Docker Compose

With docker-compose, pseudo-tty allocation needs to be deactivated explicitly each time with -T :

mongodump

docker-compose exec -T <mongodb service> sh -c 'mongodump --archive' > db.dump

mongorestore

docker-compose exec -T <mongodb service> sh -c 'mongorestore --archive' < db.dump

That's all ! ✨🎉

Now, feel free to write a script and add it to your pipeline.