



Volumes in docker

Pretext

The following docker image runs a Node.js app that writes periodically to the filesystem -

<https://hub.docker.com/r/100xdevs/write-random>

► Nodejs Code

Run it in docker

Try running the image above in your local machine

```
docker run 100xdevs/write-random
```



Try going to the container and seeing the contents of the container

```
docker exec -it container_id /bin/bash  
cat randomData.txt
```

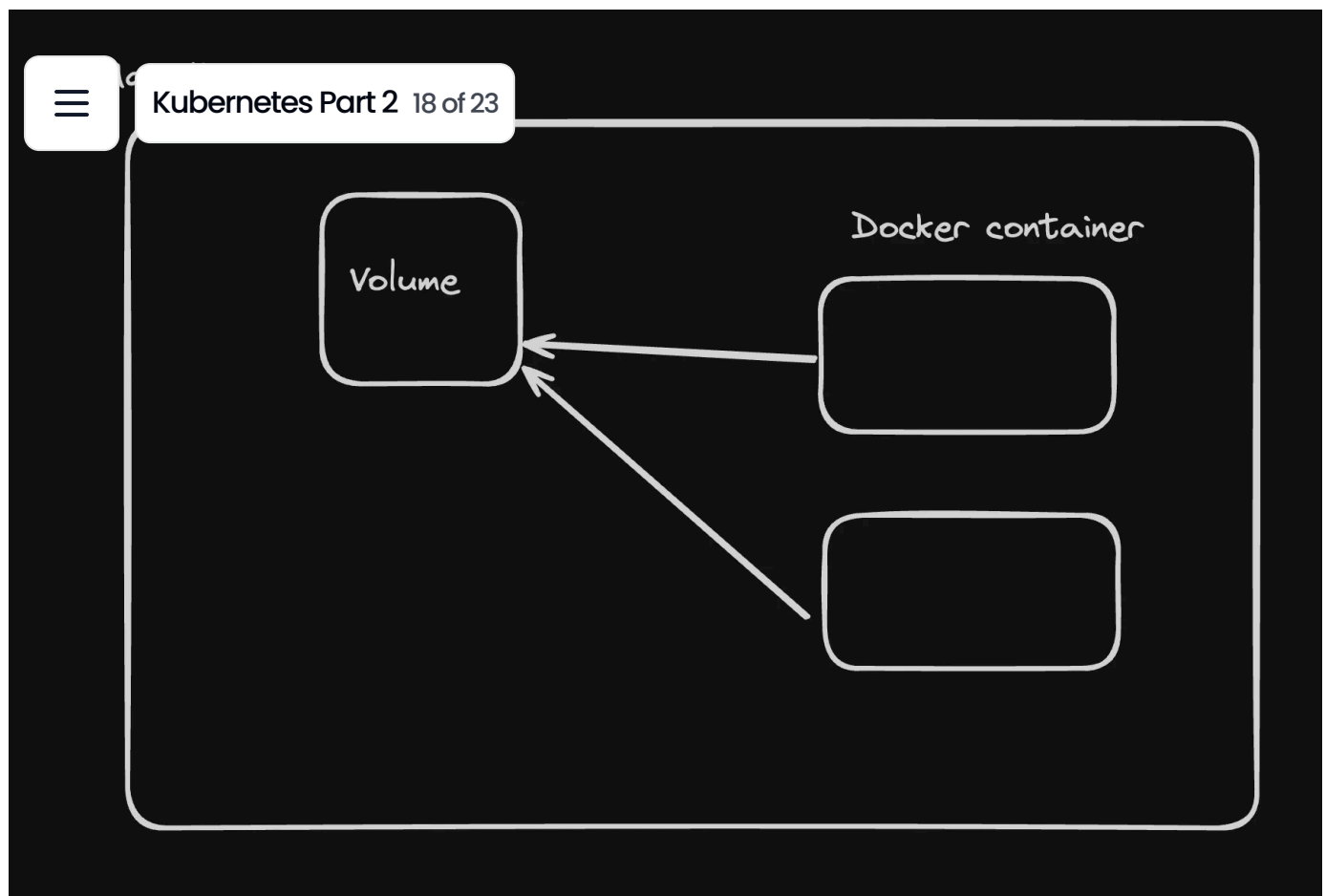


Where is this file being stored?

The data is stored in the **docker runtime filesystem**. When the container dies, the data dies with it. This is called **ephemeral storage**

Volumes in docker





If you want to persist data across container stops and starts, you can use Volumes in Docker

Bind mounts

Replace the mount on the left with a folder on your own machine

```
docker run -v /Users/harkiratsingh/Projects/100x/mount:/usr/src/app/generated
```

Volume Mounts

- Create a volume

```
docker volume create hello
```

- Mount data to volume

```
docker run -v hello:/usr/src/app/generated 100xdevs/write-random
```

If you stop the container in either case, the **randomFile.txt** file persists