

Title: Volume is not shared between nodes of Docker Swarm

Post Body:

I am having problem sharing a folder between Docker containers running on different nodes of Docker Swarm. My swarm consist of one manager and two workers.

I am using this compose file to deploy applications:

```
version: '3' services: redis: image: redis:latest networks: - default ports: - 6379:6379
```

I can confirm that the folder is successfully mounted in both containers with use of `docker exec _id_ ls /test`. But when I add a file into this folder with `docker exec _id_ touch /test/file` second container does not see created file.

How to configure the swarm so the files are visible in both containers?

Accepted Answer:

Volumes created in docker swarm via default driver are local to the node. So if you put both containers on the same host they will have a shared volume. But when you put your containers on different nodes, there will be a separate volume created on each node.

Now in order to achieve bind mounts/volumes across multiple nodes you have these options:

- Use a cluster filesystem like glusterfs, ceph and ... across swarm nodes, then use bind mounts in your service defenition pointing to shared fs.

- Use one of the many storage drivers available to docker that provide shared storage like flocker, ...

- Switch to Kubernetes and take advantage of automated volume provisioning using multiple backends via Storage classes and claims.

UPDATE: As @Krishna noted in the comments Flocker has been shut down and there isn't a lot of activity on the [github repo](#).

Highest Rated Answer: None