Title: chown docker volumes on host (possibly through docker-compose)

Post Body:

I have the following example

```
version: '2'  services:   proxy:     container_name: proxy     hostname: proxy     image: nginx     ports:       - 80:80
```

which works fine. When I run `docker-compose up` it creates those named volumes in `/var/lib/docker/volumes` and all is good. However, from the host, I can only access `/var/lib/docker` as root, because it's `root:root` (makes sense). I was wondering if there is a way of `chown`ing the host's directories to something more sensible/safe (like, my relatively unprivileged user that I use to do most things on the host) or if I just have to suck it up and `chown` them manually. I'm starting to have a number of scripts already to work around other issues, so having an extra couple of lines won't be much of a problem, but I'd really like to keep my self-written automation minimal, if I can -- fewer chances for stupid mistakes.

By the way, no: if I mount host directories instead of creating volumes, they get overlaid, meaning that if they start empty, they stay empty, and I don't get the default configuration (or whatever) from inside the container.

Extra points: can I just move the volumes to a more convenient location? Say, `/home/myuser/myserverstuff/volumes`?

Accepted Answer:

It's best to not try to access files inside `/var/lib/docker` directly. Those directories are meant to be managed by the docker daemon, and not to be messed with.

To access the data inside a volume, there's a number of options;

- use a bind-mounted directory (you considered that, but didn't fit your use case).
- use a 'service' container that uses the same volume and makes it accessible through that container, for example a container running `ssh` (to use `scp`) or a SAMBA container (such as svendowideit/samba)
- use a volume-driver plugin. there's various plugins around that offer all kind of options. For example, the local persist plugin is a really simple plug-in that allows you to specify *where* docker should store the volume data (so outside of `/var/lib/docker`)

Highest Rated Answer: None