

Publishing a Docker container

Registry Login and Pushing of Container

- *Login to Registry*

```
$docker login -e="." -u="<User_ID>" -p="<Password>" [Registry ex. quay.init6.com or  
hub.docker.com ]
```

- *Push the docker image to the registry*

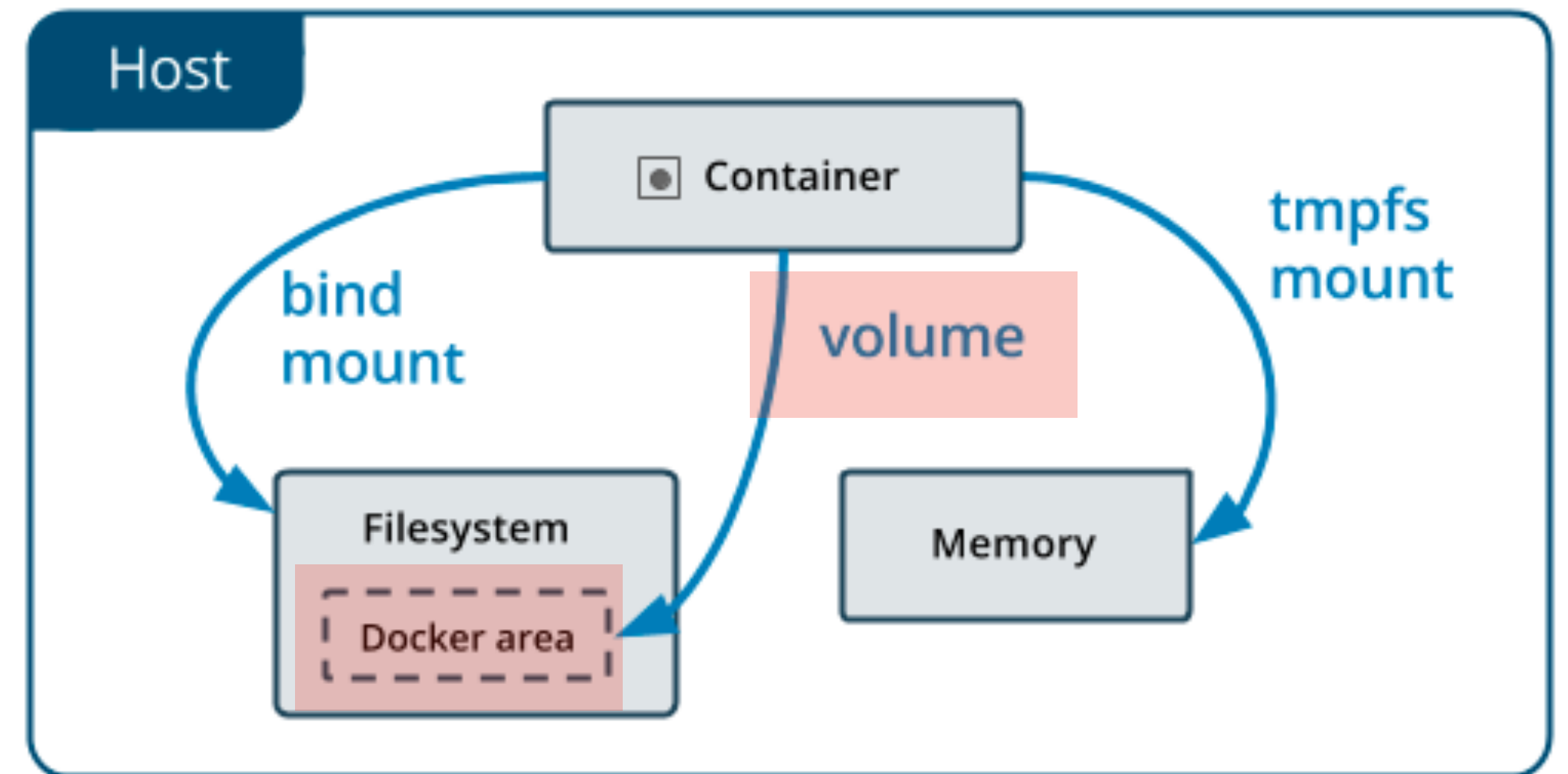
```
$docker push [<Registry>_ex. quay.init6.com/<Image_name>]
```

Docker Container Volume

Persistent storage place

All files created inside a container are stored on a **writable container layer on top of the container image**. This means that:

- The data doesn't persist when that container no longer exists.
- A container's writable layer is tightly coupled to the host machine
- Writing into a container's writable layer requires a **storage driver** to manage the filesystem.



Docker volume options

- **Volumes** are stored in a part of the host filesystem which is *managed by Docker* / `var/lib/docker/volumes/` on Linux).
- **Bind mounts** may be stored *anywhere* on the host system.
- **tmpfs mounts** are stored in the host system's memory only, and are never written to the host system's filesystem.