volume options

Type	How	Good for	Bad for
Bind	-v /local/volume:/path/inside/container w	Sharing data with external processes	Not portable
Managed	-v /local/volume	Decoupling, and multi-use	Less easy to work with
Imported	--volumes-from <container>	Managing complex setups, transitivity	Can't vary mount point across containers
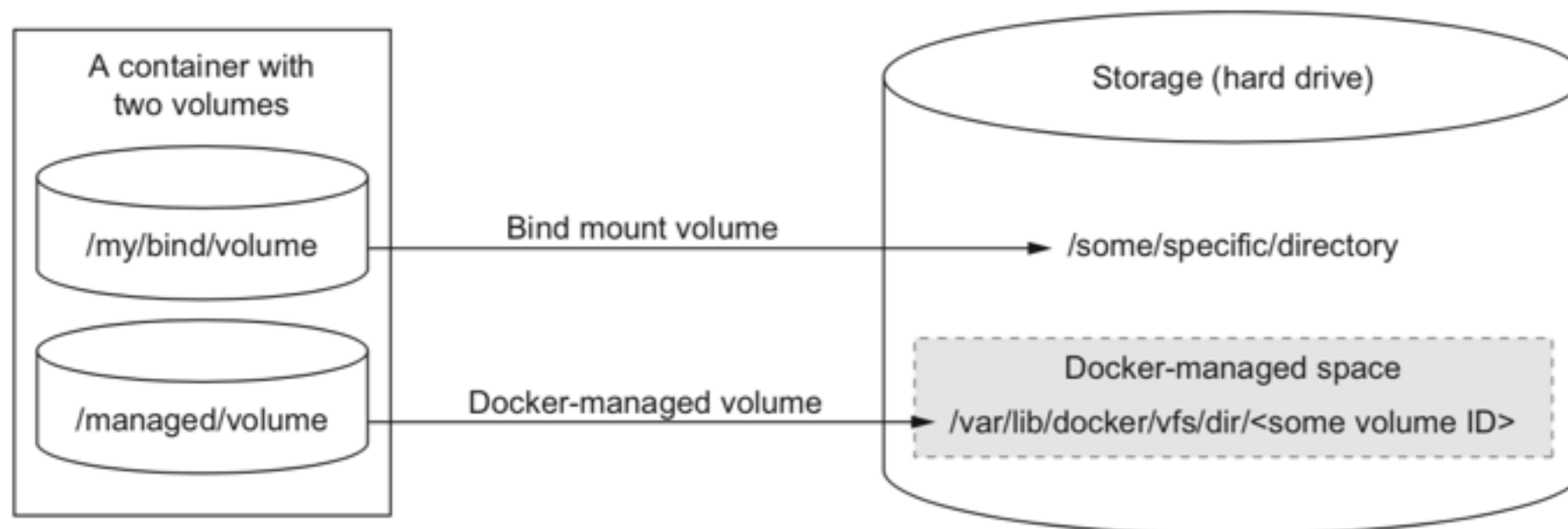
common networking options

Type	How	What
Publish	-p <external>:<internal> or -p <port>	Can remap eg: 80 —> 8080
Expose	—-expose <port1> —-expose <port2> -P	Publish all listed ports
Network type	—net none|bridge|<container>:<image>|host	Isolation level
Set hostname	—-hostname <host>	Add /etc/hostname for container

Network container archetypes from strongest to weakest

Closed container	Bridged container A	Joined container A	Joined container B	Open container

Loopback interface

Private interface

Loopback interface

Private interface

Loopback interface

Operating system network stack (host interface)

Container virtual interface

Joined container virtual interface

Docker bridge virtual interface

Logical host interface

Loopback interface

Physical network interface