

Docker Storage 101

Categories of data storage:

- Non-persistent
 - Data that is ephemeral
 - Every container has it
 - Tied to the lifecycle of the container
- Persistent
 - Volumes
 - Volumes are decoupled from containers



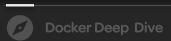


Non-persistent Data

Non-persistent data:

- By default all container use local storage
- Storage locations
 - linux: /var/lib/docker/<STORAGE-DRIVER>/
 - windows: c:\ProgramData\Docker\windowsfilter\
- Storage Drivers:
 - RHEL uses overlay2
 - Ubuntu uses overlay2 or aufs
 - SUSE uses btrfs
 - Windows uses it's own





Persistent Data Using Volumes

Volumes:

- Use a volume for persistent data
 - 1. Create the volume.
 - 2. Create your container.
- Mounted to a directory in the container
- Data is written to the volume
- Deleting a container does not delete the volume
- First-class citizens
- Uses the local driver



Persistent Data Using Volumes (cont.)

Volumes:

- Third party drivers
 - Block storage
 - File storage
 - Object storage
- Storage locations
 - linux:/var/lib/docker/volumes/
 - windows: c:\ProgramData\Docker\volumes





Persistent Data Using Volumes (cont.)

