## **Running Containers**

Create a container without starting it
show running containers
show matching containers
show matching container ID

## **Container Lifecycle Stuff**

Remove all containers, running or stopped

### **Docker Images**

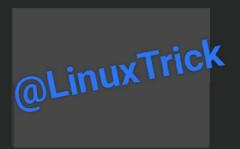
	show history of image
	remove image
docker image remove 113a43faa138	
	remove image
	remove image
docker rmi \$(docker images -q)	remove all images
Commit container to an image:	
	tagged

# Export / Import / Save / Load

docker export export container to tarball archive stream docker import create image from tarball, excludes history (smaller image) docker load an image from tarball, includes history (larger image) docker save save image to tar archive stream (includes parent layers) Examples: docker load < my-image tar, gz docker save my\_image.my\_tag | gzip > my-image.tar, gz dat my-container.tar, gz | docker import - my-image.my\_tag | docker export my-container.tar, gz | docker import - my-image.my\_tag | docker.export | gzip > my-container.tar, gz |

## **Volumes / Storage**

	find dangling ( unused ) volumes
docker run -dname test3 -v /src/data:/data ubuntu	
docker run -dname test4 -v /src/data:/data:ro ubuntu	
docker run -dvolumes-from test2name test5 ubuntu	
	Defalt volume storage location on Ubuntu Linux



# Resource Limits and Controls

u limit storage, not on aufs

### **Stats, Logs, and Events**

docker port nostalgic_colder	shows public facing port of container
docker diff practical sinouss	si show changes to a container's file system

#### Docker Hub / Registry

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	Logout of Registry
docker tag 7d9495d03763 loworbitflux/smelly-hippo:latest	
	Push to registry
	Search for an image

# **Building Docker Images**From A Dockerfile

docker run mydockerimage	Run the new image

## Simple Dockerfile Example

FROM ubuntu
RUN apt update
RUN apt install nginx -y

### **Big Dockerfile Example**

	run commands while building
	working dir that CMD is run from
	default application
	la/also changes ownership
ADD /dir1 /dir2	like copy but does more

## **Expose Ports**

The state of the s	

#### Networks

	show networks, bridge is default
Create Bridge Network, Specify	
	t1 test2 Force disconnect
	rkSottings Notworks\\\ IDAddrass\\\Iond\\\ container1