

# Other Image Managing Tools

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[www.bootstrap-it.com/docker-images](http://www.bootstrap-it.com/docker-images) | [www.bootstrap-it.com/blog](http://www.bootstrap-it.com/blog)

# Demo



**Validate images: Docker Content Trust**

**Administrate resources: Docker Cloud**

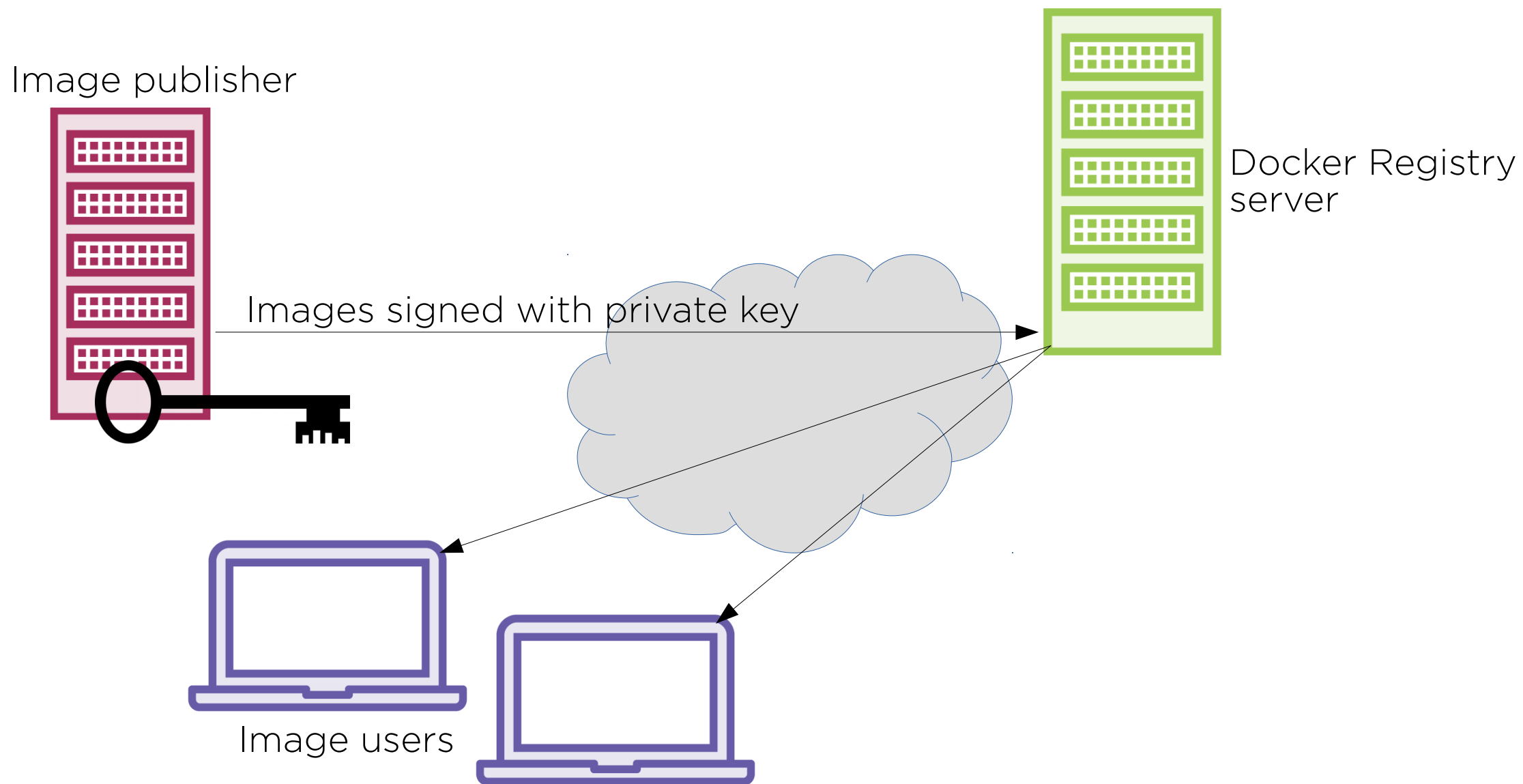
# Demo



**Validate images: Docker Content Trust**

**Administrate resources: Docker Cloud**

# Docker Content Trust: Key Management



Default Root Key File Directory:

`~/.docker/trust/private/root_keys/`

# Working with Docker Cloud

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Demo



**Tour Docker Cloud**

Install Docker Cloud CLI

Understand stacks, services, and containers

# Demo



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**Install Docker Cloud CLI**

Understand stacks, services, and containers



# Demo



Tour Docker Cloud

Install Docker Cloud CLI

**Understand stacks, services, and containers**

## Sample “Stack” .yaml File:

```
lb:
  image: dockercloud/haproxy
  links:
    - web
  ports:
    - "80:80"
  roles:
    - global
web:
  image: dockercloud/quickstart-python
  links:
    - redis
  target_num_containers: 4
redis:
  image: redis
```

# Summary



## Docker Content Trust | Notary

```
export echo DOCKER_CONTENT_TRUST=1
```

Error: remote trust data does not exist...

```
notary --help
```

## Cloud Registry

```
pip install docker-cloud
```

```
docker-cloud repository inspect  
dbclinton/myrepo
```

## Stacks, Services, Containers

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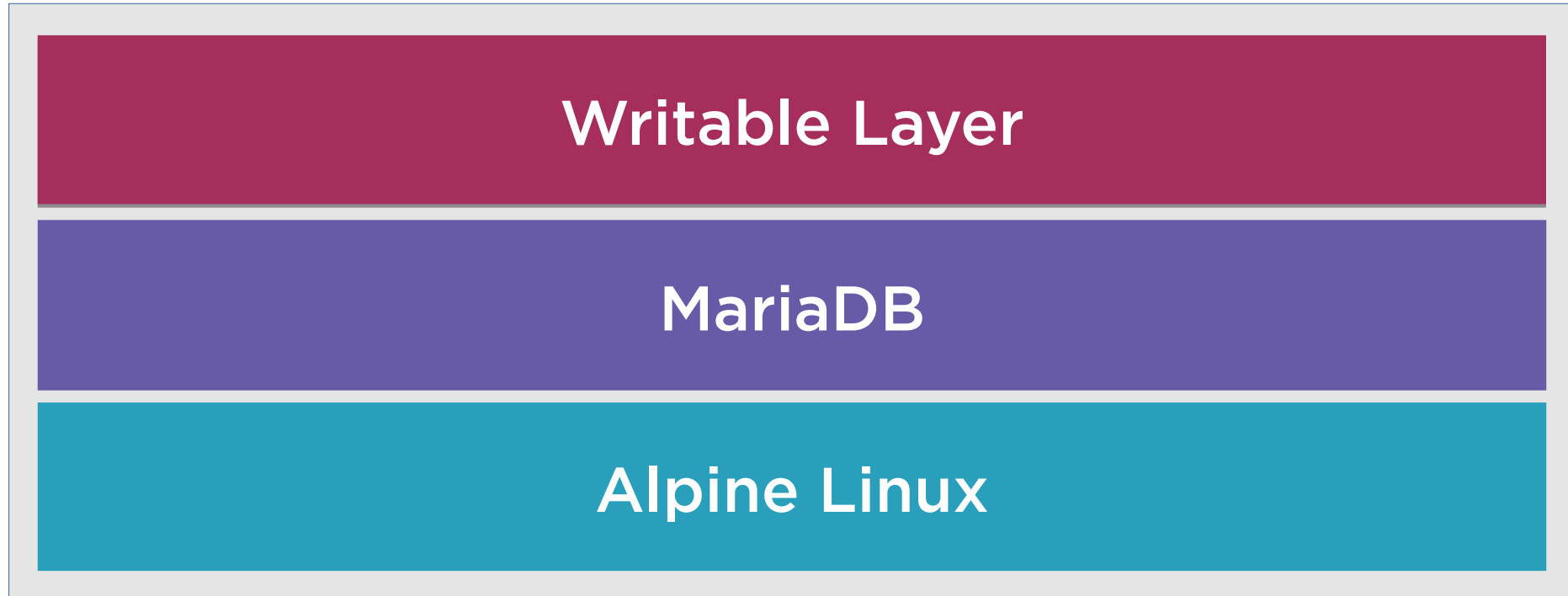
```
docker-cloud repository inspect  
dbclinton/myrepo
```

### Stacks, Services, Containers

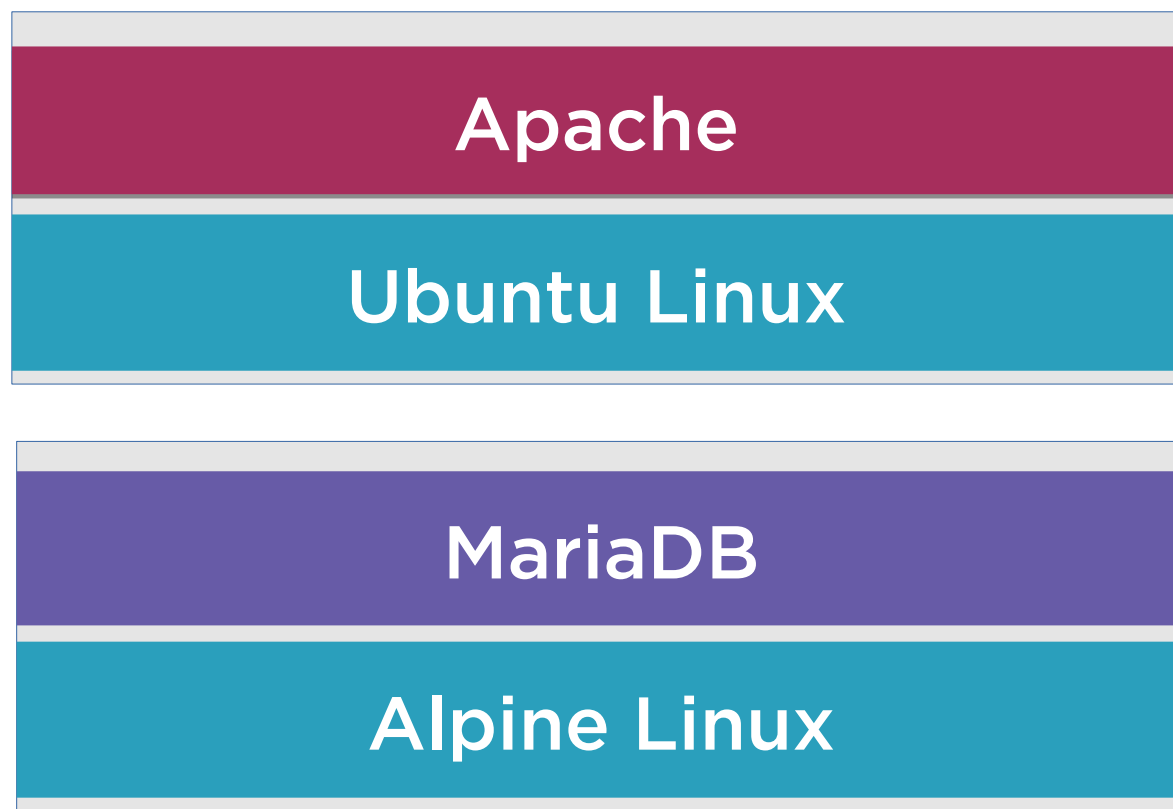
# Course Review

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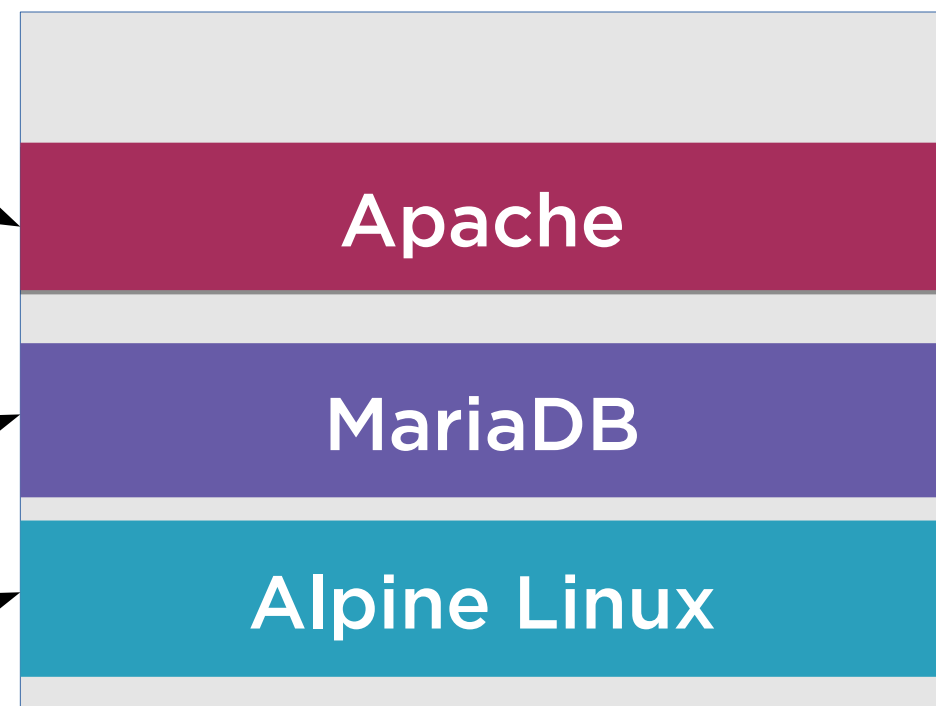
# The Docker Image



## Existing Images:



## New Image:



# The Predictability Value Proposition:

**Reliable  
environment  
sharing**

**Reduced reliance  
on documentation**

**Reliable  
deployments**

# “docker search ubuntu/golang” output (partial)

NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
neroinc/ubuntu-golang-crosscompile		3	[OK]	
akiraw95/ubuntu-golang-glide	golang + glide buil...	1		
bouk/ubuntu-golang		1		
nimmis/golang	Builds a Docker con...	1	[OK]	
proudh/ubuntu-golang-glide	golang+glide build...	1		
f5lenny/ubuntu-wily-golang	Ubuntu Wily with Go...	0	[OK]	
coolsvap/ubuntu-golang	golang	0	[OK]	
netroby/ubuntu-golang		0	[OK]	

## “docker images” output:

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
oneline	latest	a090deb25fa7	24 seconds ago	349 MB
manylines	latest	f6c79d168010	6 minutes ago	651 MB
myimage	latest	004acd2526d0	13 minutes ago	129 MB
webserver	latest	983d3f27fb40	3 hours ago	268 MB
ubuntu	16.04	f49eec89601e	2 weeks ago	129 MB
ubuntu	latest	f49eec89601e	2 weeks ago	129 MB
alpine	latest	88e169ea8f46	6 weeks ago	3.98 MB
centos	latest	67591570dd29	7 weeks ago	192 MB
Centos	6.6	d03626170061	5 months ago	203 MB



# Docker Registry Installation

## Direct installation

Install Docker Registry using  
your distribution package  
manager

## Registry image

Run Docker Registry itself as a  
Docker image-based  
container

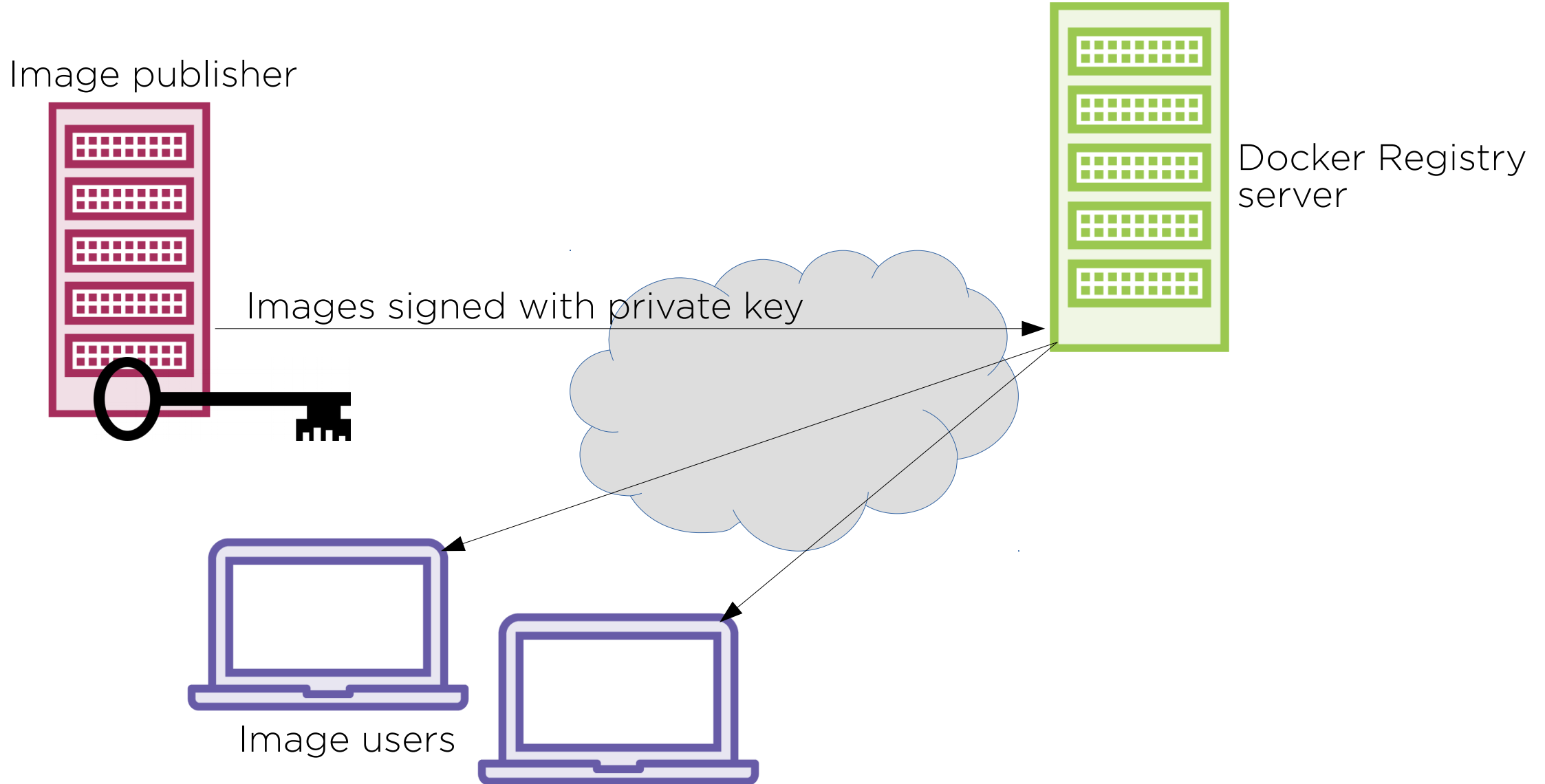
# Docker Registry Storage Directory (Container):

```
/var/lib/docker/volumes/  
c5df9d1ab5cd745d8b3e8eed31d79c5d950fcd7f814616449c7a9ab7a490  
b84c/_data/docker/registry/v2/repositories/hello-world/
```

## Adding Certs at Run-time:

```
docker run -d -p 5000:5000 --restart=always --name registry \
-v `pwd`/certs:/certs \
-e REGISTRY_HTTP_TLS_CERTIFICATE=/certs/stuff.crt \
-e REGISTRY_HTTP_TLS_KEY=/certs/stuff.key \
registry
```

# Docker Content Trust: key management



Lab Setup Information:

<https://bootstrap-it.com/docker-images>