Managing Docker Images

GETTING STARTED

David Clinton
LINUX SYSTEM ADMINISTRATOR

www.bootstrap-it.com/docker-images | www.bootstrap-it.com/blog

Overview

Images and the Docker ecosystem

Image management services

Image best practices

Docker Registry

Securing images

Docker Cloud

Overview

- Images and the Docker ecosystem
- **Image management services**
- Image best practices
- Docker Registry
- Securing images
- Docker Cloud

Overview

Images and the Docker ecosystem

Image management services

Image best practices

Docker Registry

Securing images

Docker Cloud

Overview

Images and the Docker ecosystem

Image management services

Image best practices

Docker Registry

Securing images

Docker Cloud

Overview

Images and the Docker ecosystem

Image management services

Image best practices

Docker Registry

Securing images

Docker Cloud

Overview

Images and the Docker ecosystem

Image management services

Image best practices

Docker Registry

Securing images

Docker Cloud

Lab Setup Information:

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

Docker Setup Script (Ubuntu/Debian):

```bash
#!/bin/bash
apt update
apt install -y apt-transport-https ca-certificates
apt-key adv --keyserver hkp://p80.pool.sks-keyservers.net:80 --recv-keys 58118E89F3A912897C070ADBF76221572C52609D
echo "deb https://apt.dockerproject.org/repo ubuntu-xenial main" > /etc/apt/sources.list.d/docker.list
apt update
apt install -y linux-image-extra-$(uname -r) linux-image-extra-virtual
apt update
apt install -y docker-engine
```
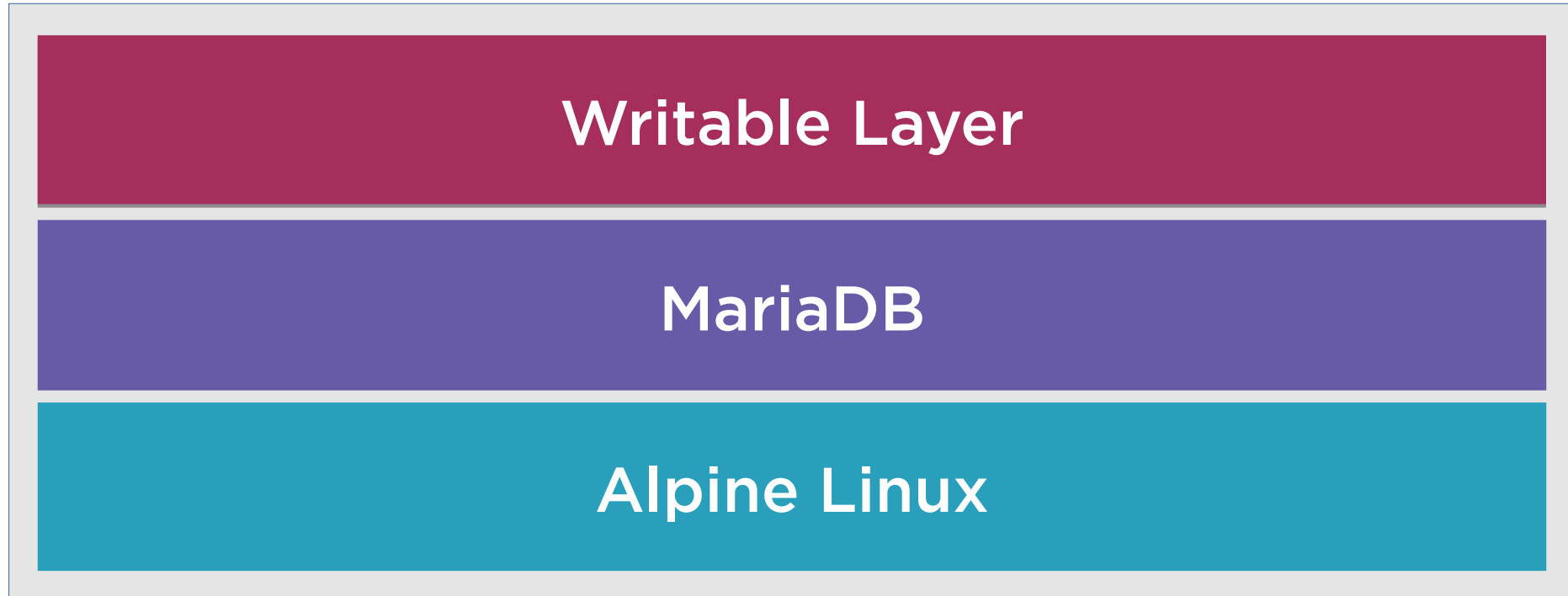
The Docker Image

Alpine Linux

The Docker Image

The Docker Image

Writable Layer

MariaDB

Alpine Linux
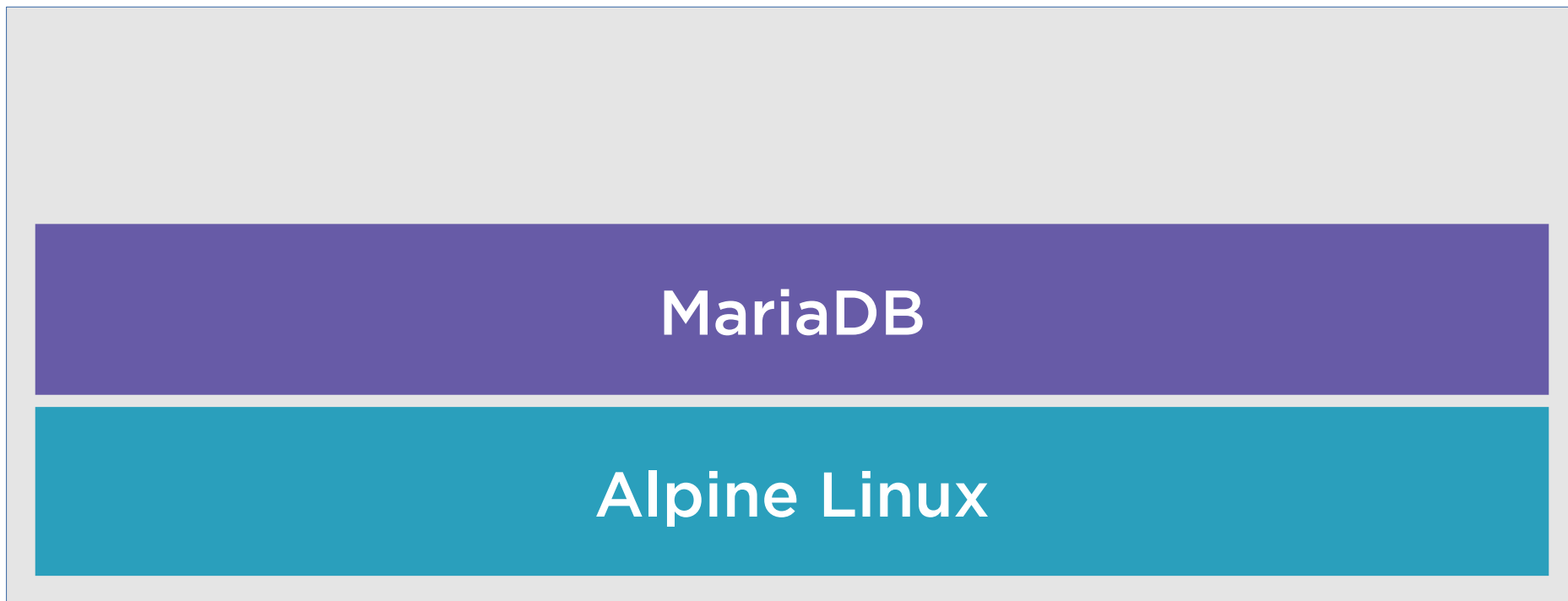
Docker Image Tools

Summary

docker images

docker build -t myimage

cd /var/lib/docker

hub.docker.com

cloud.docker.com

Amazon EC2 Container Registry (ECR)

Amazon EC2 Container Service (ECS)

Docker Trusted Registry, Docker Datacenter

Docker Registry

Summary

docker images

docker build -t myimage

cd /var/lib/docker

hub.docker.com

cloud.docker.com

Amazon EC2 Container Registry (ECR)

Amazon EC2 Container Service (ECS)

Docker Trusted Registry, Docker Datacenter

Docker Registry

Summary

docker images

docker build -t myimage

cd /var/lib/docker

hub.docker.com

cloud.docker.com

Amazon EC2 Container Registry (ECR)

Amazon EC2 Container Service (ECS)

Docker Trusted Registry, Docker Datacenter

Docker Registry

Summary

docker images

docker build -t myimage

cd /var/lib/docker

hub.docker.com

cloud.docker.com

Amazon EC2 Container Registry (ECR)

Amazon EC2 Container Service (ECS)

Docker Trusted Registry, Docker Datacenter

Docker Registry

Summary

docker images

docker build -t myimage

cd /var/lib/docker

hub.docker.com

cloud.docker.com

Amazon EC2 Container Registry (ECR)

Amazon EC2 Container Service (ECS)

Docker Trusted Registry, Docker Datacenter

Docker Registry

Summary

docker images

docker build -t myimage

cd /var/lib/docker

hub.docker.com

cloud.docker.com

Amazon EC2 Container Registry (ECR)

Amazon EC2 Container Service (ECS)

Docker Trusted Registry, Docker Datacenter

Docker Registry

Summary

docker images

docker build -t myimage

cd /var/lib/docker

hub.docker.com

cloud.docker.com

Amazon EC2 Container Registry (ECR)

Amazon EC2 Container Service (ECS)

Docker Trusted Registry, Docker Datacenter

Docker Registry

Summary

docker images

docker build -t myimage

cd /var/lib/docker

hub.docker.com

cloud.docker.com

Amazon EC2 Container Registry (ECR)

Amazon EC2 Container Service (ECS)

Docker Trusted Registry, Docker Datacenter

Docker Registry

Summary

docker images

docker build -t myimage

cd /var/lib/docker

hub.docker.com

cloud.docker.com

Amazon EC2 Container Registry (ECR)

Amazon EC2 Container Service (ECS)

Docker Trusted Registry, Docker Datacenter

Docker Registry