



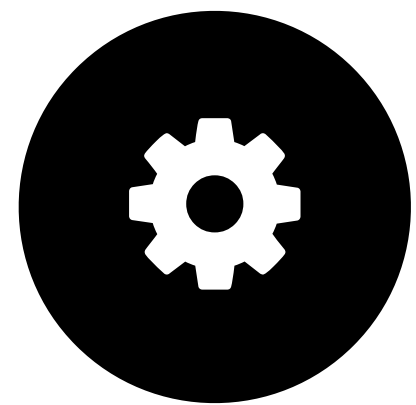
METEOR

Jaigouk Kim Michael Shilman





What is Docker? Why Dockerize?

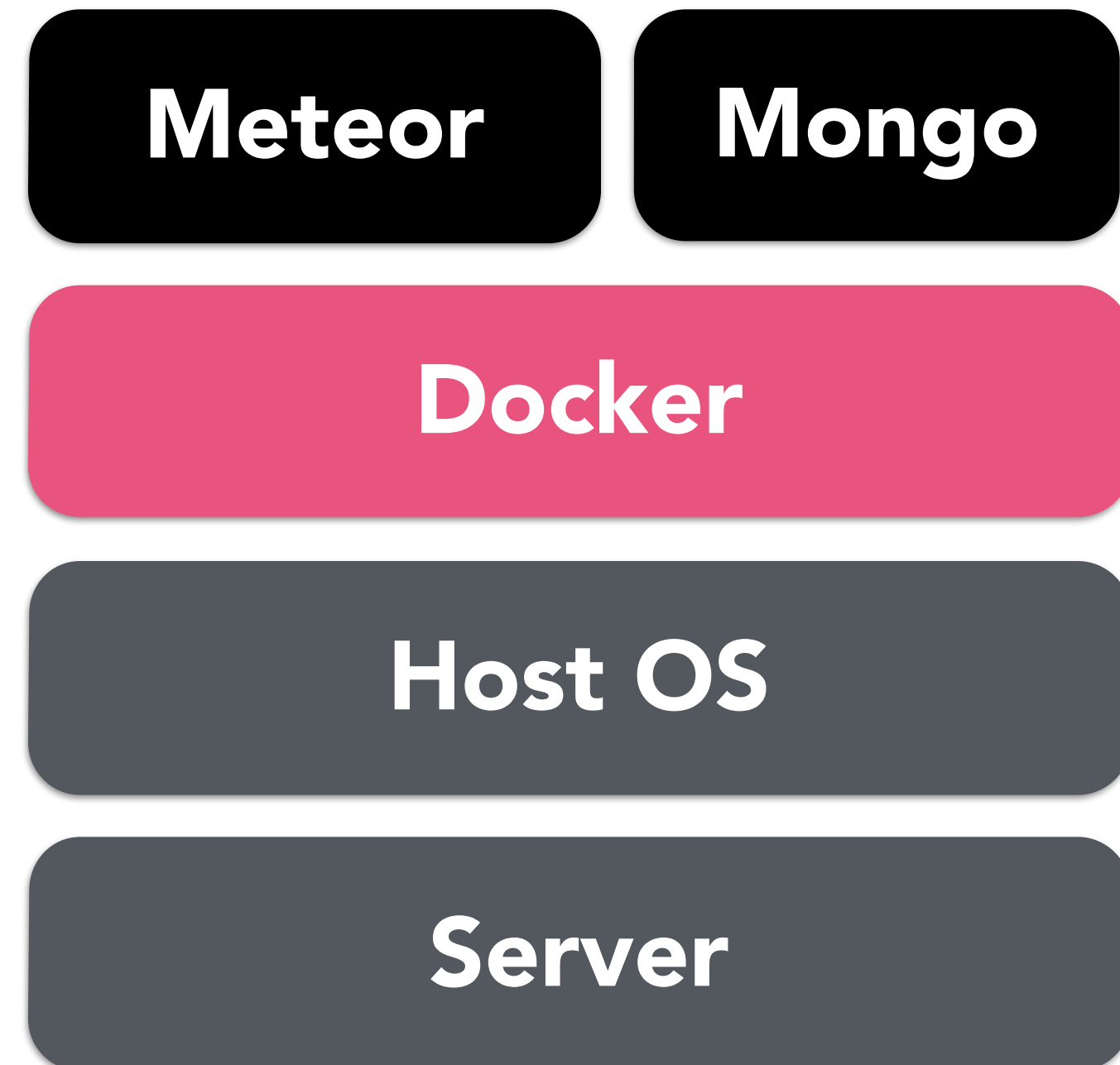


How do I Dockerize Meteor?



Golden tips to save me time?

What is Docker?



<http://docker.com>

Build machine **images** of your services (meteor, mongo, nginx, etc).

Each image captures full server environment.

Safely run images in **containers**.

Docker Workflow

DOCKERFILE

FROM ubuntu

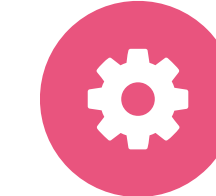
...

RUN apt-get -y install mongodb

**CMD ["/usr/bin/mongod", "--
config", "/etc/mongodb.conf"]**

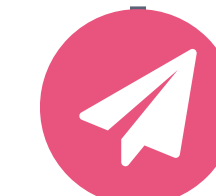


DOCKERFILE



docker build -t mongo .

IMAGE



docker run mongo

CONTAINER

Why Dockerize?



Lots of Dockerfiles available.

Run same image on laptop or server.



Simplify deployment.

Full history of your images.



Flexibly change your service topology.

Deploy multiple images quickly.



What is Docker? Why Dockerize?



How do I Dockerize Meteor?



Golden tips to save me time?

Start Simple!

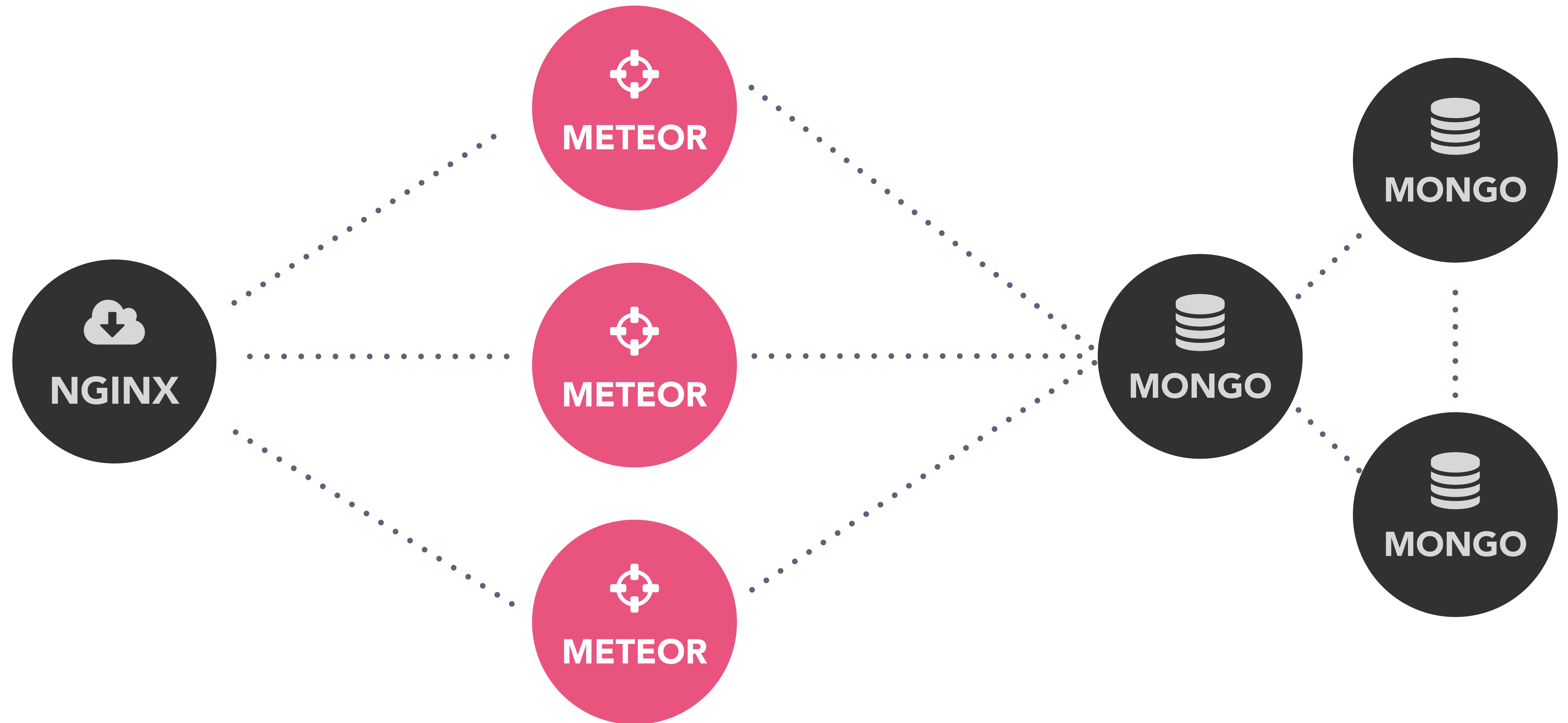




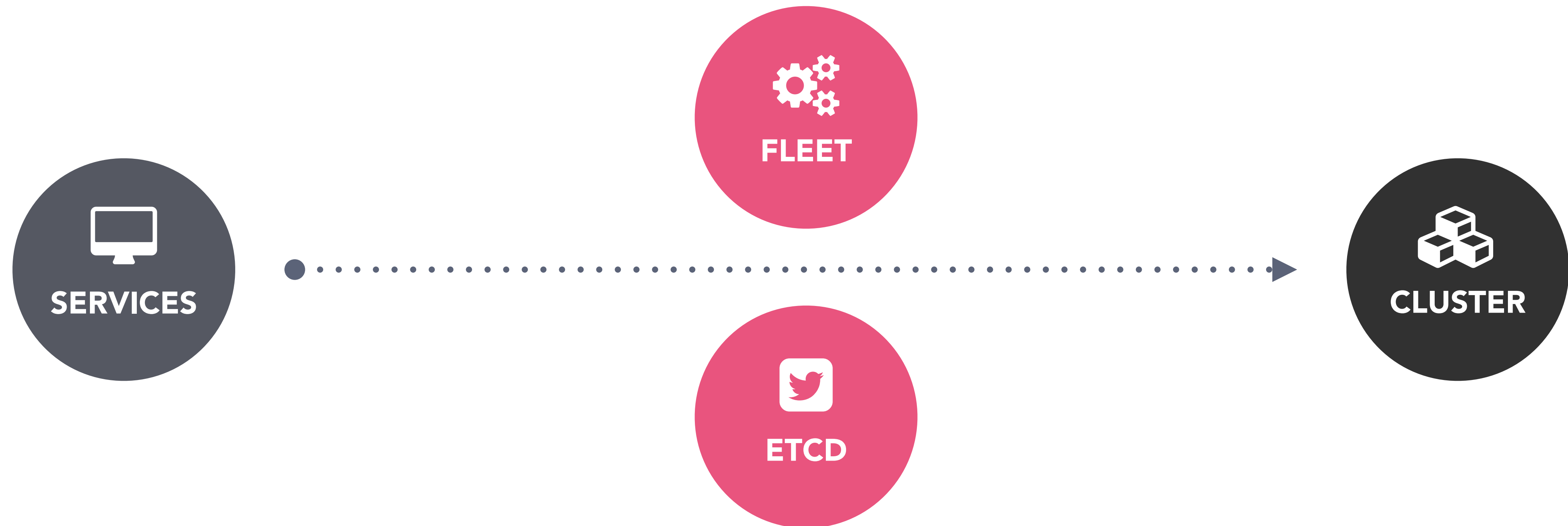
DEMO 1

Dockerizing Todos

Orchestrating a Cluster



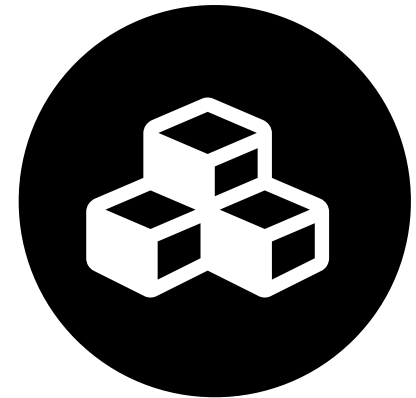
Fleet + ETCD = Docker Orchestration



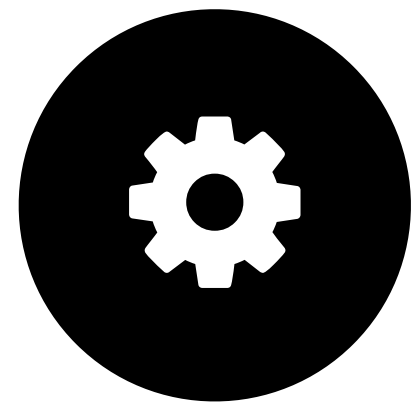


DEMO 2

Clustered Dockerized Todos



What is Docker? Why Dockerize?



How do I Dockerize Meteor?



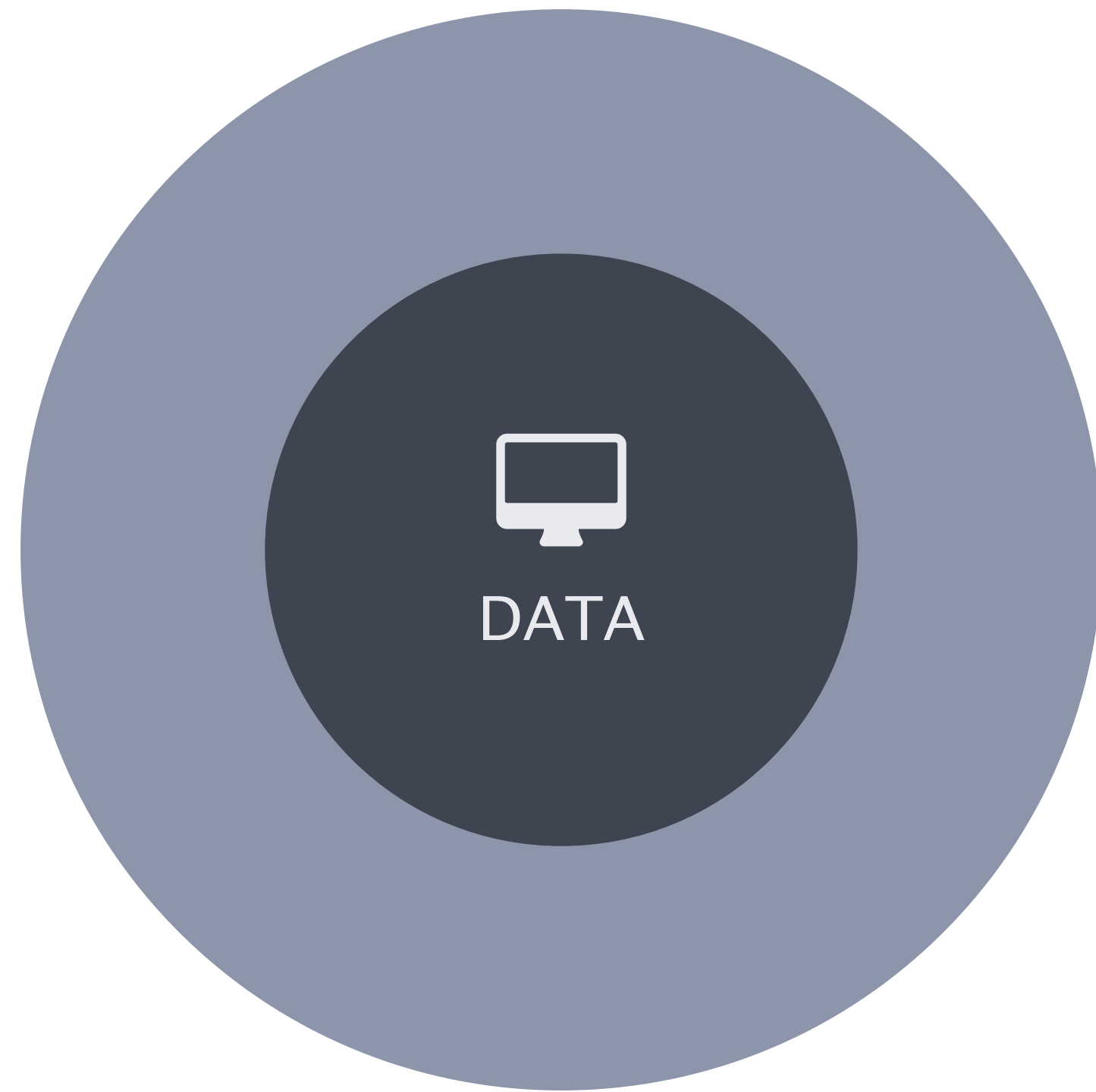
Golden tips to save me time?

Tips for development

- 🕒 search **dockerhub** for Dockerfiles
hub.docker.com
- 🕒 use **docker-enter** to ssh into a container
github.com/jpetazzo/nsenter
- 🕒 use **pre-dockerized mongodb replica set**
github.com/inlight-media/docker-mongodb-replica-set
- 🕒 **coreos-gui-osx** for playing with coreos
github.com/rimusz/coreos-osx-gui



Data solution 1

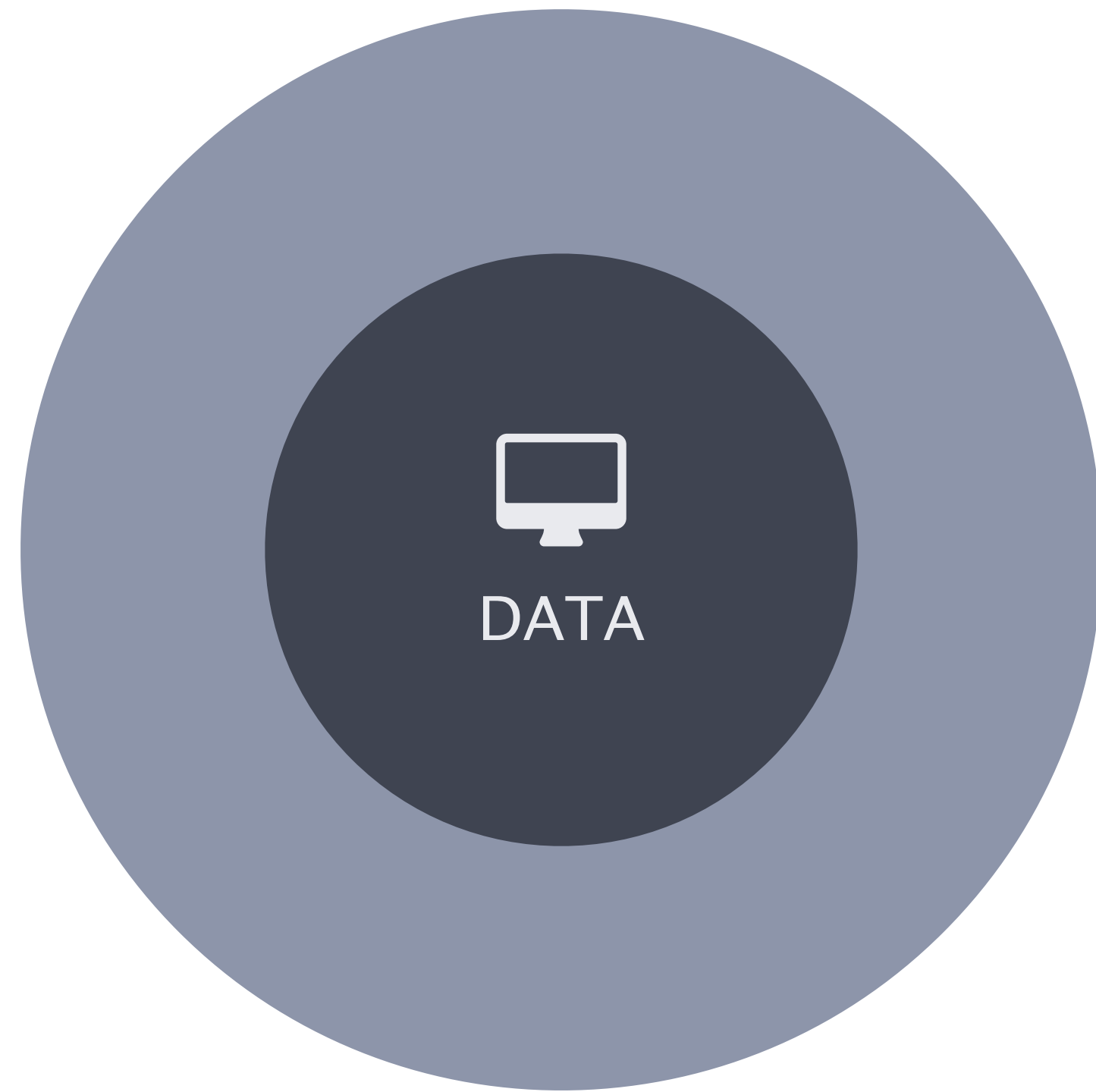


mounting directory

github.com/jaigouk/coreos-mongodb

Jaigouk fixed bugs in **auth0/coreos-mongodb**
the most popular MongoDB Fleet Unit file

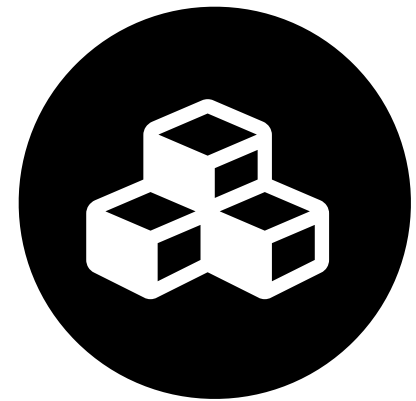
Data solution 2



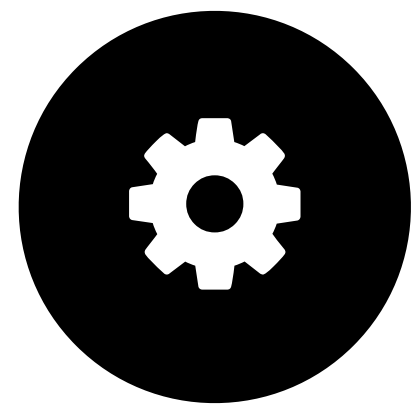
create a **dockerized data container**

github.com/19hz/coreos-mongodb-cluster

An improved, more **portable** way to store
than the previous solution!



What is Docker? Why Dockerize?



How do I Dockerize Meteor?



Golden tips to save me time?



Docker is a tool to **simplify deployment**.



Dockerizing Meteor is **easy to get started**.



Use **Jaigouk's sweet Dockerfiles!**

THANKS!

QUESTIONS?

Jaigouk Kim



Michael Shilman



<http://github.com/lab80/dockerizing-meteor>

<https://github.com/jaigouk/zero-to-dockerized-meteor-cluster>