

# Introduction to



docker

# Who am I?

- **@boyan\_bonev**
- A developer who likes to keep busy!
- Interested in DevOps since.....2014

# So...that “docker” thing?

- What it was....
- ...what it is....
- ...and what it actually wants to be.

# The Platform

- The Docker Daemon/Client: <http://docker.com>
- *Docker Machine - Easy docker host creation & configuration:*  
<https://github.com/docker/machine>
- *Docker Swarm - Cluster management for Docker hosts and applications:*  
<https://github.com/docker/swarm>
- *Docker Compose - Application definition via containers:*  
<https://github.com/docker/compose>

# Docker basics

- Requirements.
- Daemon - socket, tcp, ssl support.
- Client - Interaction interface.
- And an image is.....
- Registry:  
[\*\*https://registry.hub.docker.com/\*\*](https://registry.hub.docker.com/)
- Containers....

# Docker internals

- Virtualization & containers.
- LXC & libcontainer.
- Filesystem drivers - aufs etc.
- It's a RESTful application!
- Plugins (prototype) @ <https://github.com/ClusterHQ/powerstrip>

# Docker commands

docker **run, pull, commit, push, ps, images...**

```
[~] λ docker run ubuntu:latest /bin/bash -c "echo 'Hey guys....'"  
Hey guys....  
[~] λ
```

# Docker tools

- Machine, Compose & Swarm.
- Flocker:

[\*\*https://github.com/ClusterHQ/flocker\*\*](https://github.com/ClusterHQ/flocker)

- Weave:

[\*\*https://github.com/weaveworks/weave\*\*](https://github.com/weaveworks/weave)



# So, do I like docker?

For development:



For production:

