Docker Networking
Running multi-host applications

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› Software-Defined Datacenters
› Infrastructure as Code
› Cloud technologies
› High Availability & Scalability
› @johscheuer

› https://github.com/johscheuer/Brownbags/tree/master/docker_networking
Some questions to you
Networking
Networking commands

- ls
- create
- inspect
- connect
- rm
- disconnect
Legacy world
The new (shiny) world
Network alias
Demo – single host

Redis-master

Redis-slave

Todo-app

Redis network

Front network
Docker Swarm
Multihost networking

› Needs a K/V store
  › etcd / consul / zookeeper

› Default is libnetwork from Docker
  › Similar to flannel (CoreOS)
  › Plugins available (Calico, Weave, Flannel, ...)


Compose and Networking

IF I COULD USE COMPOSE AND SWARM TOGETHER

THAT'D BE GREAT
The missing part - Load balancing
Selfmade solution
Demo time

TIME FOR A LIVE DEMO

WHAT COULD GO WRONG?
Conclusions
Conclusions

• Simple to setup
• Many things needed to be built around
• Understanding everything makes it more complex
• Get’s more complex to debug
• Some other solutions has built-in support
• Good choice to start with
My thoughts

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