Knee Deep in Microservices

Adam Sandor - Container Solutions
Age of Netflix Engineering

Independent teams
No code reuse between components
Independent databases
Independent release & deploy
But what if I need to scale to a million...

You’re not Netflix!
SCALE VELOCITY RESILIENCE COST OPTIMIZATION
Small Scale

Low traffic
Single or few teams
Downtime is OK
Costs are not a concern
DEMONS OF MICROSERVICES
CLOUD NATIVE WEAPONRY
DOCKER

Slices VMs into tiny pieces
DOCKER-COMPOSE

Easy to use realistic development
INDEPENDENT DELIVERY

Separate souls
Separate
Separate
Own your database!
MANAGING ENVIRONMENTS

Cheap
Disposable
Versioned
PRODUCTION WORKLOAD

Autoscaling

Resource limit / reservations

Finetuning
OPS is a necessity
Develop tooling
Deployments are DEV responsibility
Environments are DEV responsibility
TRAINING

OPS deep platform knowledge

DEV confident as users of the platform
CONTINUOUS DELIVERY

Docker support in build tool

How to push artifacts to environments?

OPS team only creates tooling
MONITORING

OPS only delivers tooling
Inter-service debugging
Log enough but not too much