

Running Resilient Workloads

with Istio



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It's not plain sailing

Production Kubernetes is more than just a Deployment and a Service



Production Kubernetes

- Ingress
- HPA
- Requests and Limits
- Health Checks



Production Kubernetes

- ConfigMaps
- Secrets
- Upgrade Strategies
- Affinities
- Anti-affinities
- PDB
- PSP
- Network Policy
- Pod Presets
- Service Accounts & RBAC
- LimitRanges
- Cluster Autoscaler





“An open platform to **connect, secure, control, and observe** services.”

ALWAYS

Observability

Workload Versioning and Traffic Pinning

Traffic Shifting

Canaries

Timeouts

Rate Limits

Retries

Service Authentication

Mutual TLS

Service Authorization

Egress Control

SOMETIMES

Delay Injection

Fault Injection

Circuit Breakers

Protocol Translation

Security Middleware

BREAK-GLASS

Traffic Mirroring

Recap

- Settings you should always have
- Settings you sometimes need
- Break-glass options

Thanks!

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Videos | mt165.co.uk
Demo code

