### Simple Scalability - Microservices on PaaS

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@hatofmonkeys

# Please ask questions via the mobile app!



### <u>Engage</u>



# Simple Patterns Organisational Architectural Operational

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#### Fast feedback

### Teams deliver business value Measurable metrics

#### Four pairs Two-pizzas

## Authoritative PO What are we doing? When is it done?

#### T-shaped people

## Domain-Driven Design Have a conversation

## Inception Iteration Planning Meeting Retrospective

# Simple Patterns Organisational Architectural Operational

## Partitioning Strategies Single-responsibility Bounded contexts

## Create pipelines of microservices cat text.txt | grep hello | sort

## Communication Strategies Sync – HTTPS/json Async – Msg Q/json

## Communication Strategies Design for failure Circuit breakers

## Data Immutable idempotent events

## Data 12-factor applications 'PaaS' compatible

#### Let microservices die

# Simple Patterns Organisational Architectural Operational

#### Continuously deliver Start with CD pipeline 'helloworld'

#### Words

accept → wordcount → view

github.com/hatofmonkeys/microservices-demo

#### Blue/green deployed front-end Shock absorber

#### Deploy to local containers

#### Deploy to PaaS

#### Deploy to your PaaS

#### Deploy to your laaS

## Deploy what you need When you need it

#### Scaling

# Instrumentation Response time of function Error rate Trace ID

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## But I have a monolith! Shake it

#### But I must Docker! Fock it

github.com/cloudcredo/cloudfocker

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