

# A Guided Journey of Cloud Native, featuring Monzo

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**CLOUD NATIVE**  
COMPUTING FOUNDATION

# Agenda

1. What is the Cloud Native Computing Foundation?
2. A journey through cloud native
3. Cloud native in real life at Monzo



# About Cheryl

Director of Ecosystem, CNCF

Cloud Native London (tonight!)

StorageOS, Google, Cambridge

@oicheryl



# What is the CNCF?



# The CNCF's mission

Make cloud native computing **ubiquitous**

... by fostering and sustaining an ecosystem of **open source, vendor-neutral projects**



## In practice

- Community
- Documentation
- Translation
- Legal
- Marketing & PR
- Events

Non-profit, part of the Linux Foundation.

6 staff, ~20 shared



# 350+ Members and Growing

## Platinum Members



## Gold Members



## End User Members



## End User Supporters



## Academic/Nonprofit



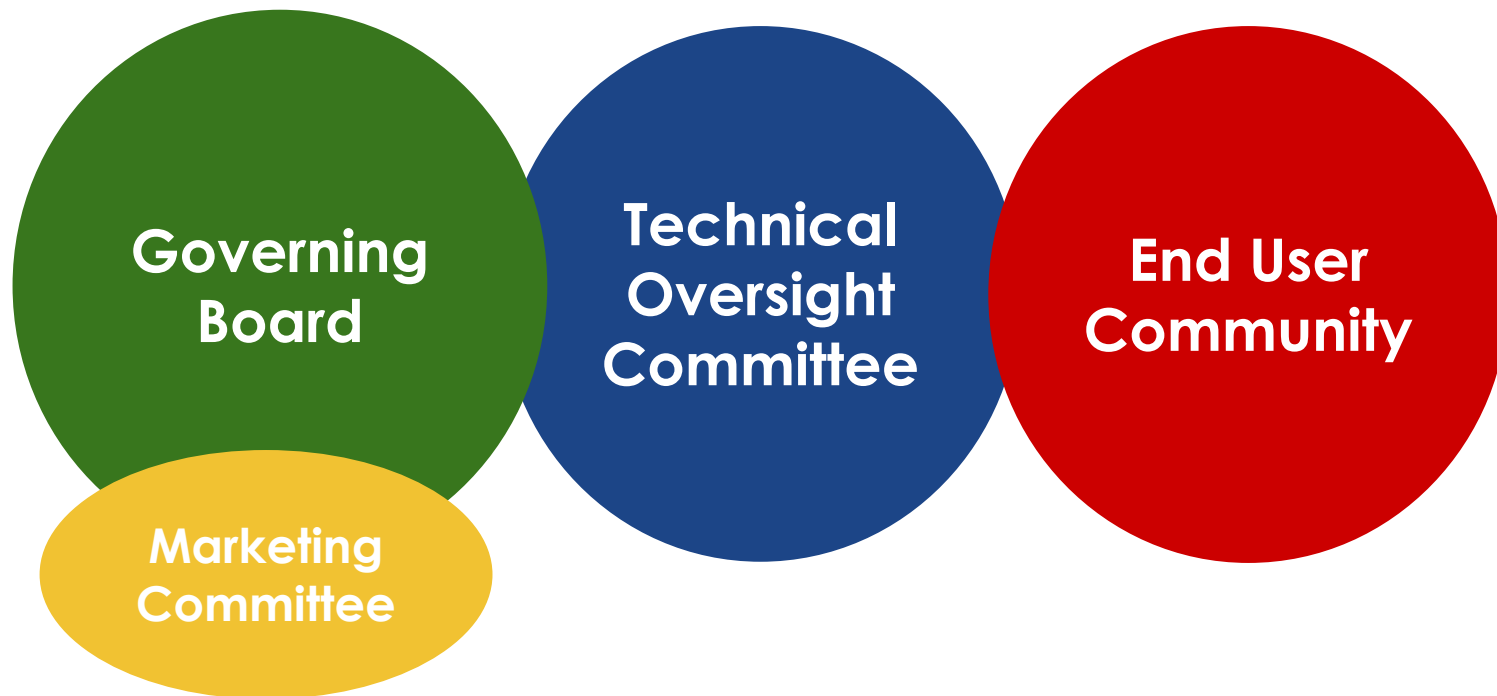
# 350+ Members and Growing (Silver 1)



# 350+ Members and Growing (Silver 2)



# CNCF Structure

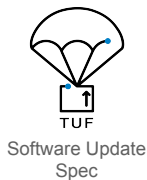


# CNCF Projects

## Graduated (5)



## Incubating (15)



## Sandbox (12), not shown







# What matters is the *complexity*

House  
1-10



Village  
10-100



Town  
100-500



City  
500+



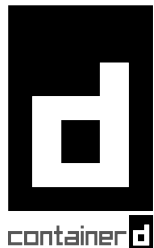




# House (1-10 services)



- Source control
- Continuous integration



# Village (10-100 services)



- Automation
- Instrumentation



**kubernetes**



Prometheus



fluentd



# Town (100-500 services)



- Test driven development
- Continuous deployment



# City (500+ services)



- High availability
- Storage
- Security







# Some more...

- Built-ins
- Specifications



CoreDNS



etcd



OPENTRACING



CNI



TUF



# Summary



Source control, continuous integration



Automation, packaging, instrumentation



Test driven development, continuous deployment



High availability, storage, security



# KubeCon + CloudNativeCon

- Europe 2019 (sponsorships open)
  - [Barcelona](#): May 20-23, 2019
- China 2019 (sponsorships open)
  - [Shanghai](#): June 24-26, 2019
- North America 2019 (sponsorships open)
  - [San Diego](#): November 18-21, 2019



Slides at [oicheryl.com](https://oicheryl.com)



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