



# What does the CNCF actually do?

Cheryl Hung @oicheryl



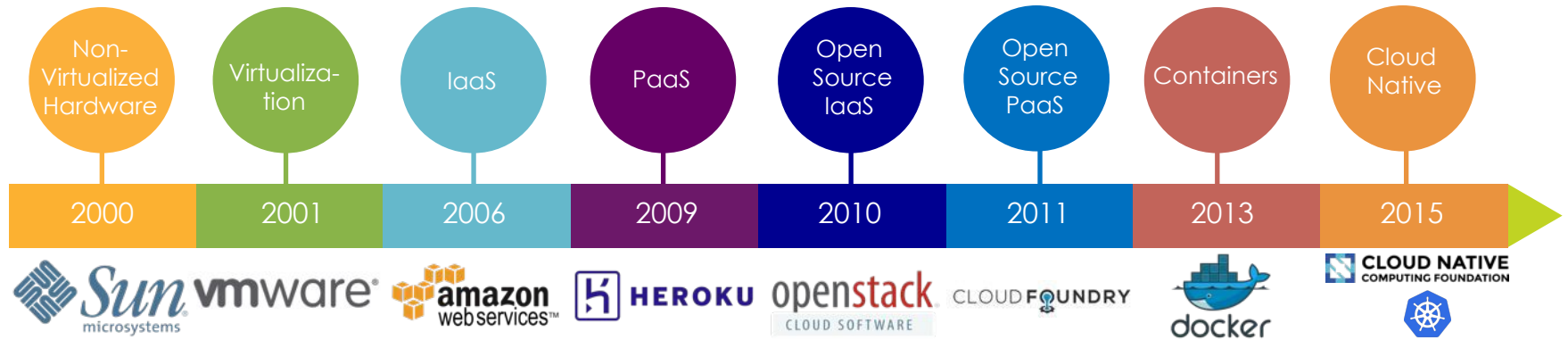
Cheryl  
@oicheryl



# What is the CNCF?



# Non-profit, part of Linux Foundation



# Cloud Native is...

Distributed systems + scalability + resilience  
+ agility + efficiency + avoid vendor lock in

=> Microservices, containers, orchestration  
...serverless?

# Structure

## Governing board

- Marketing
- Financials

## Technical Oversight Committee

- Vision
- Projects
- 2 year terms

## Working groups

- CI
- Networking
- Storage
- Serverless

# CNCF Ambassadors



**Animesh Singh**  
IBM

Animesh Singh is an STM and Lead for IBM Cloud Platform. He has been with IBM for more than 10 years and currently works with customers in designing cloud computing solutions on OpenStack, Cloud Foundry, Docker and Serverless Architecture, and is the lead for IBM Bluemix.

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**Chris Guan**  
APPENDIX

Chris Guan is a director at Appendix. He formerly worked as an analyst at Gartner covering public IaaS. Before that, he was a physicist that did computational modeling in quantum chemistry. He lives in Brooklyn with his dog Flaps.

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**Fabian Reinartz**  
COREOS

Fabian Reinartz is a software engineer at CoreOS and one of the core developers of Prometheus and co-leads the Kubernetes SIG Instrumentation.

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**Ariel Jaitli**  
STACKPOINTCLOUD

Ariel Jaitli is Principal Designer at StackPointCloud, Inc. He founded and organizes the New York, Seattle and San Francisco Kubernetes Meetups, regularly hosting the New York event.

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**Chris Kuhl**  
KINFLUX

Chris is CTO & co-founder of Kinflux, a Berlin-based Linux development company working on technologies at the foundation of cloud native computing.

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**Gianluca Arbezano**  
INFILUXDATA

Gianluca Arbezano is a Site Reliability Engineer at InfluxData. He was previously a Software Engineer focused on Post development for CoreOS/Flannel. He is a big Open Source contributor for several projects including and not limited to Zened Framework, Docker, and InfluxDB.



**Chakradhar Rao Jonagam**  
RED HAT

Chakradhar is a Solutions Architect specialized in Container technologies at Red Hat Inc. Bungeingit containers to customers is his day to day job. Traveling is another obsession.

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**Diane Mueller-Klingspor**  
RED HAT

Diane is the Director of Community Development at Red Hat, laser-focused on OpenShift ecosystem and passionate about creating new models of cross-community engagement. She codes and makes things in Canada.

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**Hunter Nield**  
AMIHAN

Hunter heads up Cloud-Native for Amihan in Southeast Asia. He is also a co-founder of iStorify Australia, a cloud storage company based in Singapore.

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**Cheryl Hung**  
STORAGEOS

Cheryl Hung is a Product Manager at StorageOS and founder of the Cloud Native London meetup. She is passionate about developer experience and building a strong, open, diverse developer community.

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**Diógenes Rettori**  
RED HAT

Diógenes is a Product Manager at Red Hat, working on OpenShift. He is the type of Product Manager that actually knows how to write code and his passion is to make complex things digestible.

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**Janakiram MSV**

Janakiram is an analyst, architect, and advisor. He is a Google Developer Expert for Cloud. Janakiram advises startups from the microservices and IoT domains. Janakiram is a regular contributor to Forbes, The New York Times, TechCrunch, and Gigaom Research.

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**Jiayao (Julia) Han**  
CAICLOUD

Co-founder and CDO at Caicloud Technology LLC in Hangzhou (China) that provides Kubernetes based toolings and platform for enterprises in production. Organizer of Kubernetes China Meetup and has held multiple K8s meetups in various cities in China.

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**Justin Garrison**

Justin is interested in community and solving problems with simple solutions. He loves good analogies, drawing pictures, and props to represent complex things.

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**Matt Baldwin**  
STACKPOINTCLOUD

Matt Baldwin is the CEO and Chief Architect of StackPointCloud, Inc., a product and services company focused on building a universal control plane for Kubernetes clouds.

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**Joseph Jacks**

Joseph is a founder of Klimatic (the enterprise Kubernetes company, recently acquired by Appendix), founder of KubeCon (the Kubernetes community conference, now owned and run by CNCF after being donated where he is also a founding member).

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**Krishna Kumar**  
HUAWEI

Krishna is Lead Architect & Delivery Head of Huawei India Cloud PaaS division. His team is building the next generation cloud solutions using Kubernetes & mesos.

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**Michael Mueller**  
CONTAINER SOLUTIONS

Michael Mueller is Director Technology at Container Solutions Switzerland. Before joining CS, Michael was heading the IT and Cloud Innovation team at Swisscom Innovation.

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**Josh Berkus**  
RED HAT

Josh Berkus works on Project Atomic at Red Hat, and leads the Cloud Native K8s meetup group. He also contributes to PostgreSQL.

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**Lee Calcote**  
TWISTLOCK

Lee Calcote is an innovative thought leader, passionate about developer platforms and management software for clouds, containers, infrastructure and applications.

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**Michelle Noorali**  
DEIS

Michelle is a software engineer at Deis and a core maintainer on the Kubernetes Helm project. She co-leads SIG Apps which is the Kubernetes special interest group for running and managing applications and workloads on Kubernetes and is passionate about helping move the Cloud Native community forward in a positive and inclusive way.

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**Julius Volz**

Julius co-founded Prometheus and lead the project to success at SoundCloud and beyond. He now focuses on growing the Prometheus community and is the main organizer of PrometheusCon, the first conference around Prometheus. In a previous life, Julius was a Site Reliability Engineer at Google.

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**Lucas Käldestrom**

Lucas is a passionate Kubernetes Maintainer that is excited about all things cloud native. Lucas has been engaged in Kubernetes work for about two years now and been involved in lots of things related to Kubernetes in multiple platforms, getting Mikrotik off the ground, being a core contributor in SIG Cluster Lifecycle and maintaining kubeadm.

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**Michelle Ye-Chen Xu**  
INTEL

Michelle Xu is a Cloud Technology and Integration Manager at Intel. She earned her Ph.D. in Electrical and Computer Engineering from University of Toronto and was a Postdoctoral Fellow in Atomic Physics at U.C. Berkeley.

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# Projects



Kubernetes  
Orchestration



Prometheus  
Monitoring



OpenTracing  
Tracing



Fluentd  
Logging



linkerd  
Service Mesh



gRPC  
Remote Procedure Call



CoreDNS  
Service Discovery



containerd  
Container Runtime



rkt  
Container Runtime



CNI  
Networking API

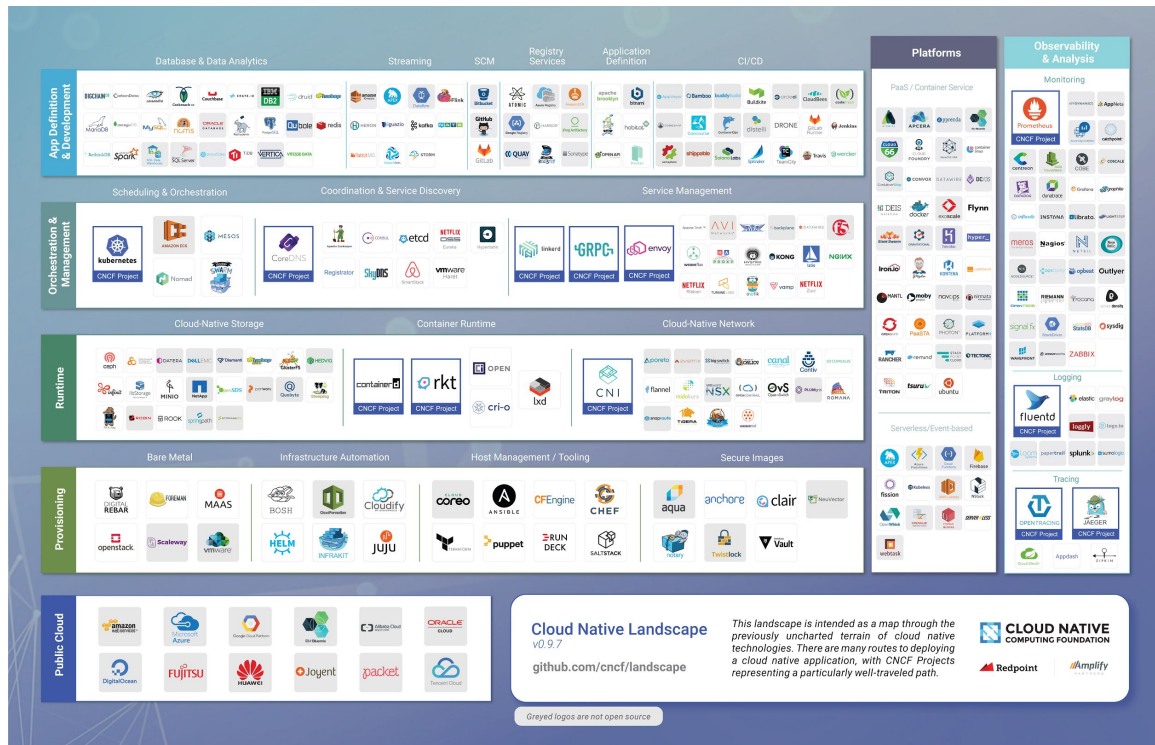


Envoy  
Service Mesh



Jaeger  
Distributed Tracing API

# and more!



# Why should I care?



# Because everyone else is doing it?!



# Jim Zemlin, Linux Foundation

# *Kubernetes is the Linux of the cloud*



# How do I get involved?



# Learning via webinars

Catch Up on Recently Ended CNCF Webinars

## Cloud Native Security Panel

*Ben Bernstein, Dlogo Monica, Matthias Radestock, Dimitri Stiliadis, Liz Rice, & Christopher Liljenstolpe*

WATCH NOW

## Introduction to CNI, the Container Network Interface

*Bryan Boreham and Ken Owens*

WATCH NOW

## Introduction to CoreDNS

*John Belamaric*

WATCH NOW



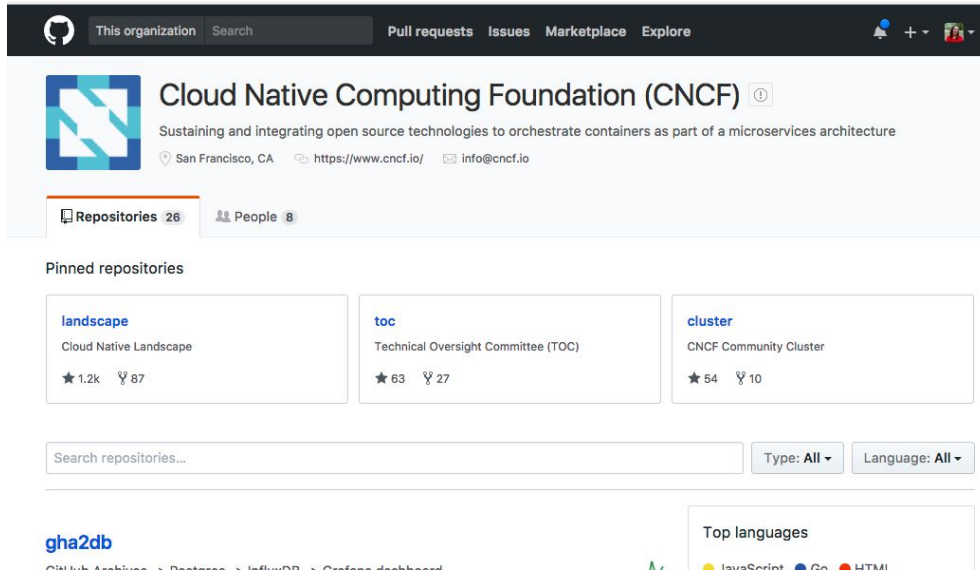
Entire Playlist is Live on the CNCF YouTube Channel

SUBSCRIBE TO OUR YOUTUBE CHANNEL

CloudNativeCon + KubeCon 2017 - Berlin  
*Keynotes, Lightning Talks, Sessions*

WATCH NOW

# Community resources



The screenshot shows the GitHub profile for the Cloud Native Computing Foundation (CNCF). The header includes navigation links: Pull requests, Issues, Marketplace, and Explore. The organization's name, logo, and a brief description are at the top. Below this, there are tabs for Repositories (26) and People (8). A section titled 'Pinned repositories' displays three featured repositories: 'landscape' (Cloud Native Landscape), 'toc' (Technical Oversight Committee (TOC)), and 'cluster' (CNCF Community Cluster). At the bottom, there is a search bar for repositories and a section for 'Top languages'.

## List

[cncf-ci-public](#)

[cncf-images](#)

[cncf-k8s-conformance](#)

[cncf-kubernetescertwg](#)

[cncf-toc](#)

[Cncf-wg-networking](#)

## Description

Public discussion around CI

Public CNCF images discussion

k8s conformance

Kubernetes Certification Working Group

CNCF Technical Oversight Committee

CNCF Networking WG



Join **Cloud Native Computing Foundation** on Slack.

**19** users online now of **190** registered.

you@yourdomain.com

**GET MY INVITE**

or [sign in](#).

# Certification

## Kubernetes Certified Service Provider

- Requires 3+ staff members to pass the Certified Kubernetes Administrator exam

[cncf.io/certification/kcsp](https://cncf.io/certification/kcsp)

## Events ([cncf.io/events](https://cncf.io/events))

Conference sponsorship

CloudNativeCon/Kubecon

Dec 6-8, Austin, Texas

Diversity scholarships available

# Meetups

108 meetup groups, 25 countries, 40k members

Join [meetup.com/Cloud-Native-London](https://meetup.com/Cloud-Native-London)  
next Tuesday, speakers from Monzo, GDS.



# Thanks

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

