

Containers and Open Infrastructure: an Update of CNCF Projects

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Sheng Liang

CEO, Rancher Labs & CNCF Board Representative

Overview

Cloud Native Computing Foundation was started in July 2015

Initially centered around Kubernetes

Now has 20+ projects

Definition of cloud native

Cloud native technologies empower organizations to build and run scalable applications in modern, dynamic environments such as public, private, and hybrid clouds. Containers, service meshes, microservices, immutable infrastructure, and declarative APIs exemplify this approach.

These techniques enable loosely coupled systems that are resilient, manageable, and observable. Combined with robust automation, they allow engineers to make high-impact changes frequently and predictably with minimal toil.

The Cloud Native Computing Foundation seeks to drive adoption of this paradigm by fostering and sustaining an ecosystem of open source, vendor-neutral projects. We democratize state-of-the-art patterns to make these innovations accessible for everyone.

Governance

Governing Board

Approve budget

Alibaba Cloud	Intel
Amazon Web Services	JD.com
Apprenda	Mesosphere
Cisco	Microsoft
Docker	Oracle
Fujitsu	Pivotal/VMware
Google	Rancher Labs
Heptio	Red Hat
Huawei	Samsung SDS
IBM	SAP

Technical Oversight Committee (“TOC”)

Controls what projects are in CNCF

Alexis Richardson alexis@weave.works
Ben Hindman benh@mesosphere.io
Brian Grant briangrant@google.com
Bryan Cantrill bryan@joyent.com
Camille Fournier skamille@gmail.com
Jonathan Boule jon@nstack.com
Ken Owens ken.owens@mastercard.com
Sam Lambert samlambert@github.com
Quinton Hoole quinton.hoole@huawei.com

Current Landscape Of 20 Projects

SANDBOX

INCUBATING

GRADUATED



ROOK

Storage



Open Policy
Agent
Policy



Prometheus
Monitoring



OPENTRACING
Distributed
Tracing API



fluentd
Logging



GRPC
Remote
Procedure
Call



containerd
Container
Runtime



rkt
Container
Runtime



CNI
Networking
API



envoy
Service
Mesh



kubernetes

Orchestration



SPIFFE

Identity Spec



SPIRE

Identity



JAEGER

Distributed
Tracing



Software
Update Spec



nataru

Security



Vitess

Storage



CoreDNS
Service Discovery



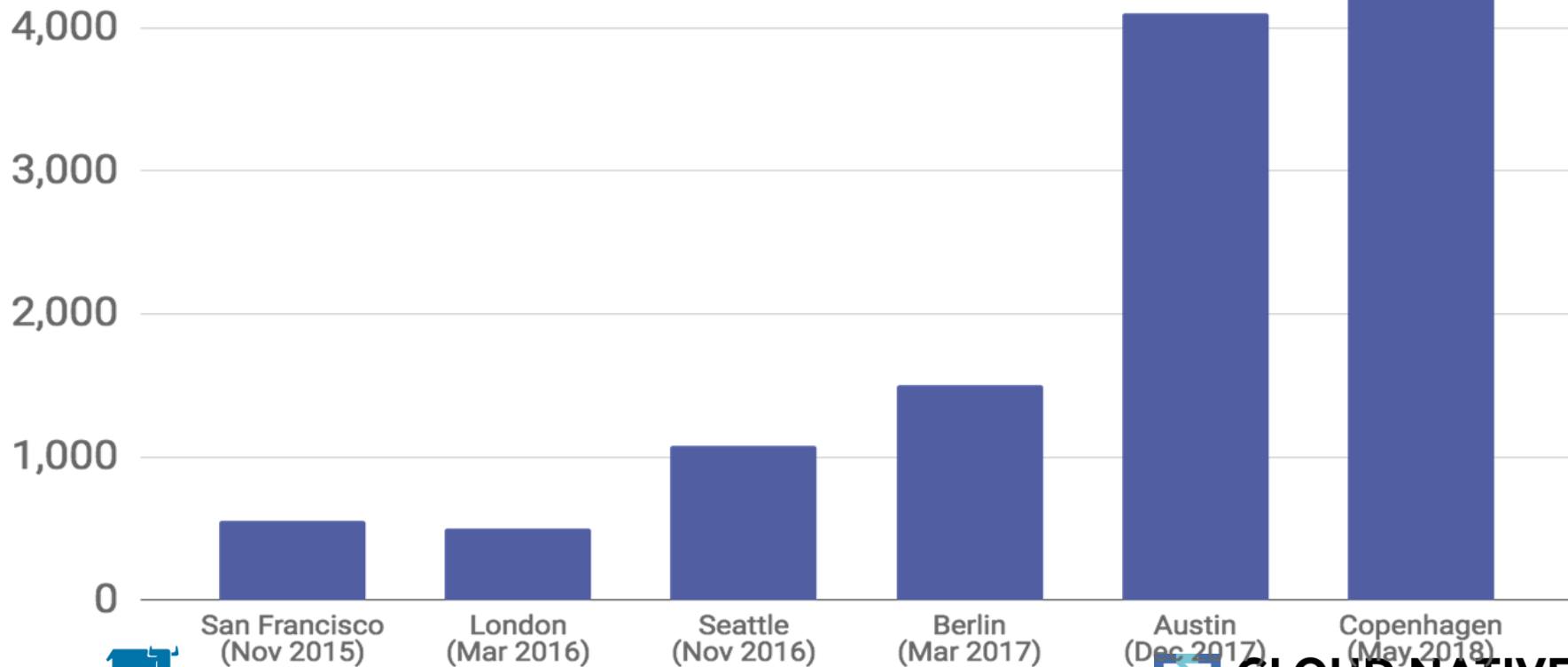
NATS
Messaging



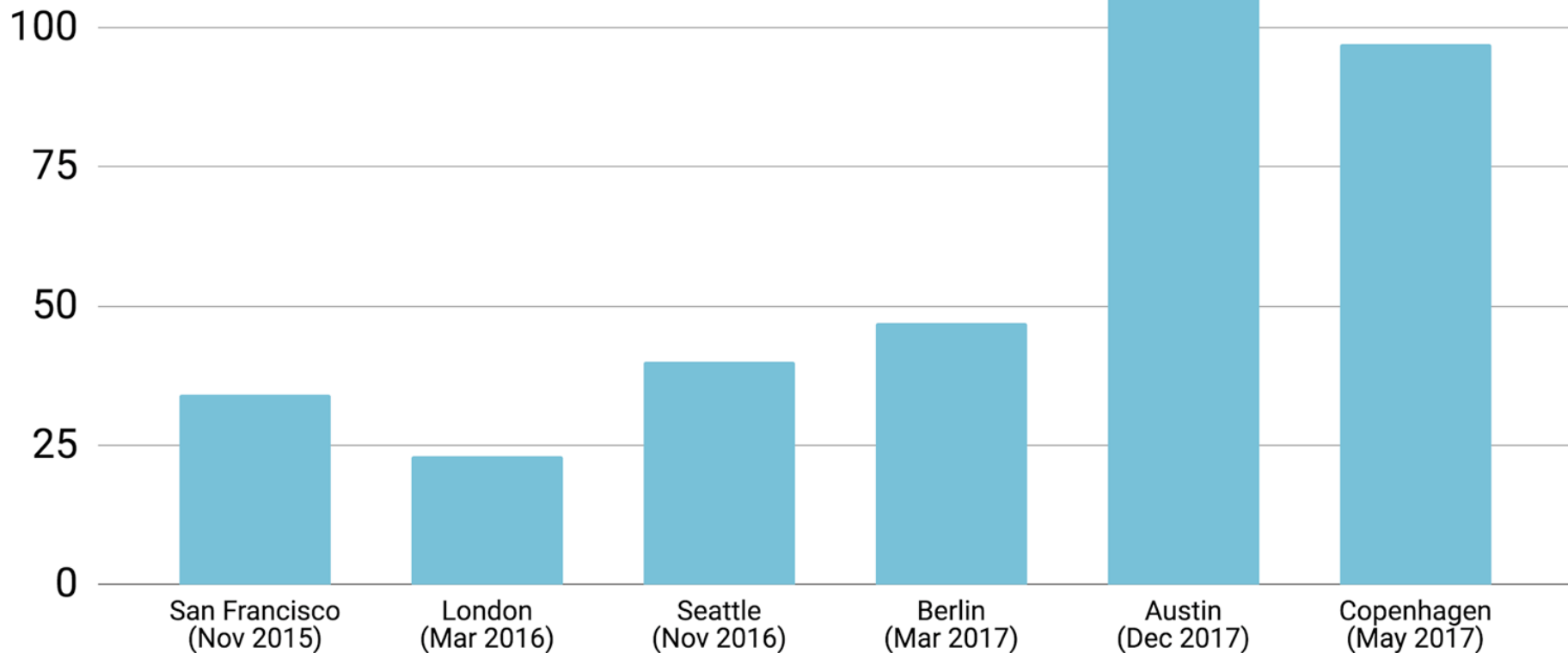
LINKERD

Service
Mesh

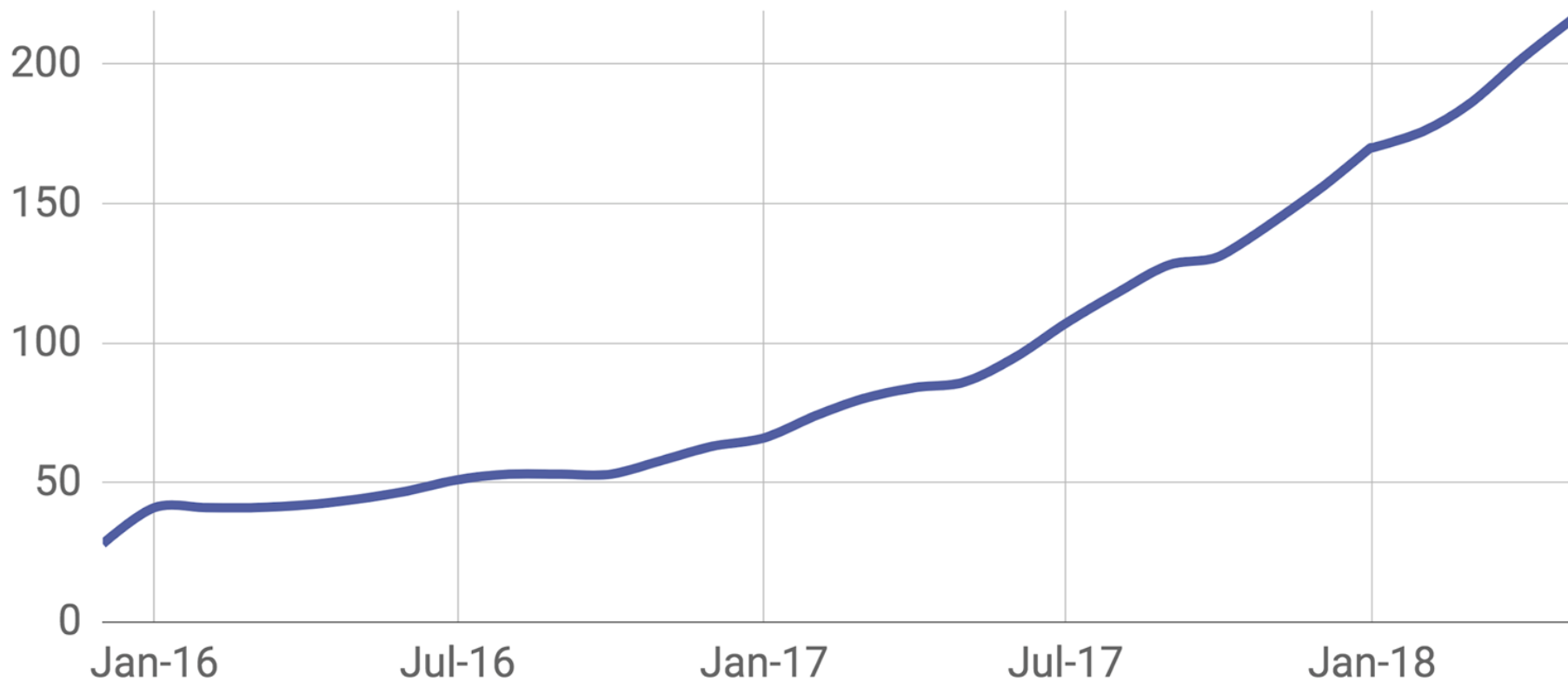
KubeCon + CloudNativeCon Attendees



KubeCon + CloudNativeCon Sponsors



CNCF Membership Growth



52 Companies in the End User Community

Bloomberg

box

Capital One

COMCAST

CRUISE

DENSO

ebay

GitHub

Goldman Sachs

indeed

intuit

JD.COM

Kuelap

Layer

Morgan Stanley

NAIC
National Association of Insurance Commissioners

Nasdaq

NCISOFT

The New York Times

NIPR
NATIONAL INSURANCE PRODUCER REGISTRY

Clark

Pinterest

PUSHER

reddit

ricardo.ch

salesforce

SAP Concur

shopify

showmax

Spotify

Spredfast

SQUARESPACE

STEELHOUSE

stix

textkernel

THREDUP

ticketmaster

twilio

twitter

vevo

Werkspot

WIKIMEDIA FOUNDATION

woorank

WPengine

YAHOO! JAPAN

zalando

zendesk

RANCHER

CLOUD NATIVE
Plus Open Infra Foundation

216+ Members and Growing

Platinum Members



Gold Members



End User Members



End User Supporters



Academic/Nonprofit



216+ Members and Growing (Silver 1)



216+ Members and Growing (Silver 2)



Global Ecosystem Expansion

OF THE 18 CNCF PLATINUM MEMBERS: **3** are located in Asia

OF OUR 11 GOLD CNCF MEMBERS: **3** are based in Asia

State Power Grid is the state-owned power supply company in China using containers and Kubernetes to provide failure resilience and fast recovery.



KUBERNETES WECHAT SEARCH TRENDS



We have 18 CNCF Meetups Across Asia, 8 in China alone



Cloud Native Landscape

v20180525

See the interactive landscape at l.cncf.io

Database and Data Warehouse

Streaming

Source Code Management

Application Definition and Image Build

Continuous Integration / Continuous Delivery (CI/CD)

App Definition and Development

Scheduling & Orchestration

Coordination & Service Discovery

Service Management

Orchestration & Management

Cloud-Native Storage

Container Runtime

Cloud-Native Network

Runtime

Host Management / Tooling

Infrastructure Automation

Container Registries

Secure Images

Key Management

Provisioning

Public

Private

Cloud

Special

Platform

Kubernetes Certified Service Provider

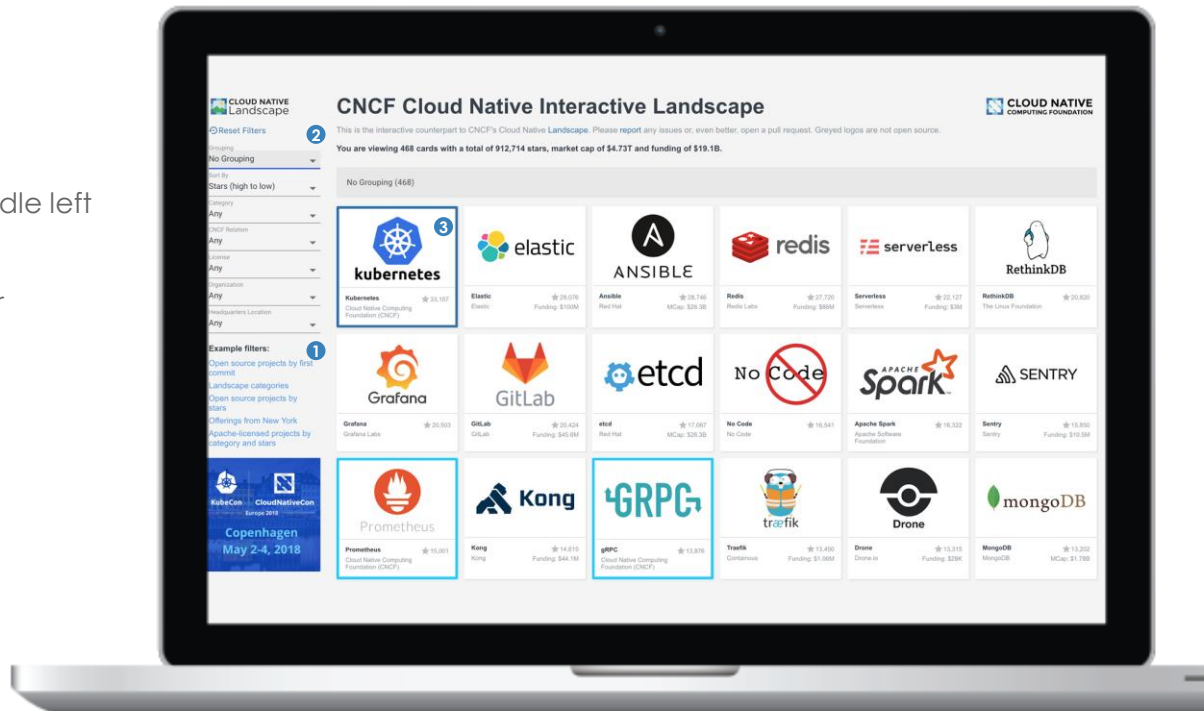
Kubernetes Training Partner

THE Cloud Native Landscape 2.0

Interactive Edition

<https://landscape.cncf.io/>

- 1 Try clicking the example filters at the middle left
 - 2 Reset at the top left and then select your organization from the filter bar
 - 3 Click a card to see the detailed info
- Stateful URLs encourage easy sharing
- All data is in the GitHub [repo](#)



Training And Certification - Current State

30,000+

free students enrolled

Free massively open
online Kubernetes course
launched June 2017

3,600+

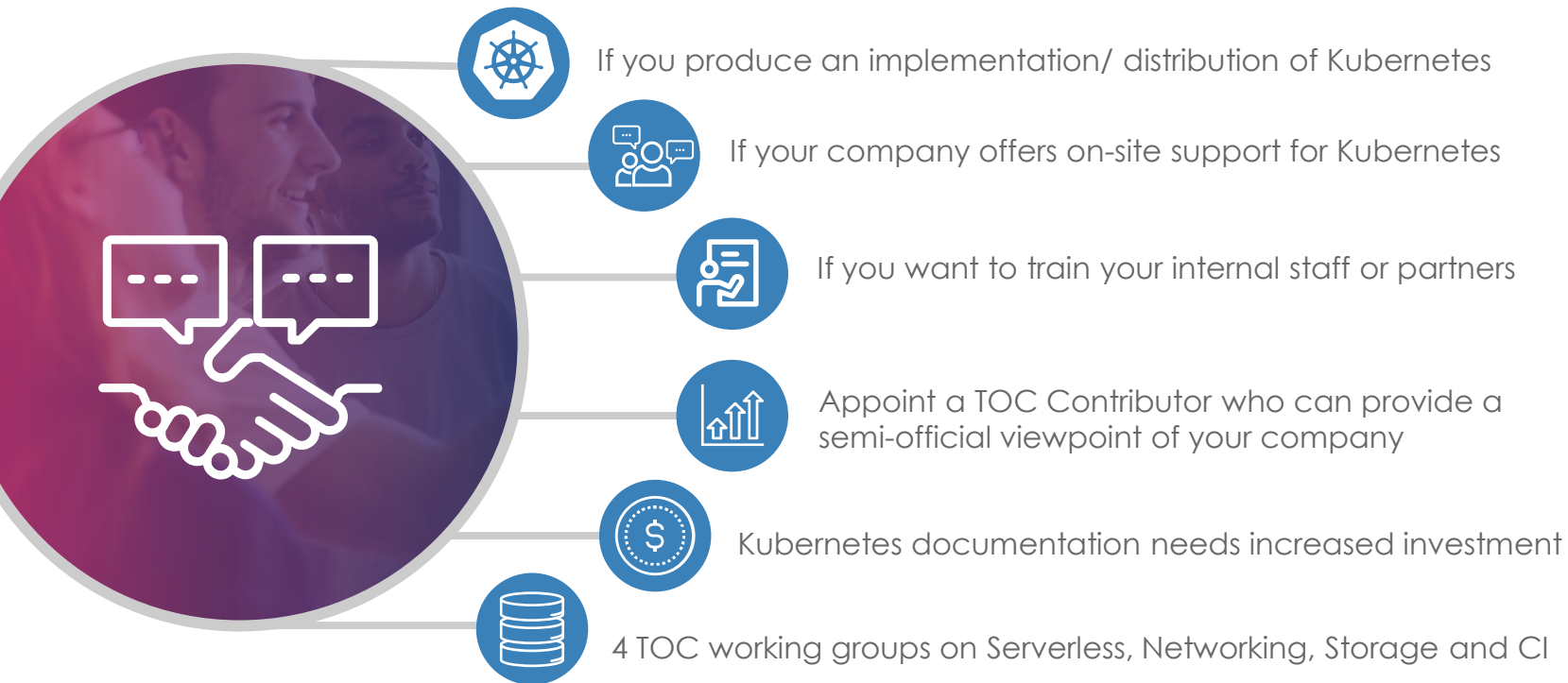
paying students enrolled
(to date)

Paid Kubernetes training and CKA Certification
launched September 2017

1,200+

certification exams purchased
(to date)

OPPORTUNITIES TO ENGAGE





KubeCon



CloudNativeCon

KubeCon + CloudNativeCon



Sponsor North America & China!

3% discount for members

5% discount for members sponsoring two events

DIAMOND SPONSORSHIPS:
include a 5 minute keynote

1 First priority given to Platinum Members

2 Then to Gold and then Silver Members

4 Diamond Sponsorships currently sold out for North America & China. 2 additional sponsorships will be made available in September for each event.



Copenhagen

May 2-4, 2018
Attendees: 3,000+



Shanghai

November 13-14, 2018
Attendees: 2,500+



Seattle

December 11 -13, 2018
Attendees: 5,000+

Thank you