

OSF Strategy & Vancouver Summit Update



Sunday	Monday	Tuesday	Wednesday	Thursday
Joint Leadership Strategy Meeting	General Session Keynotes	OpenDev CI/CD Keynotes	Edge Computing Keynotes	Open Research Cloud Conference
#WeAreOpenStack Mixer	OpenInfra Mixer	Container Infra Keynotes		

LET'S BUILD

OPEN

INFRASTRUCTURE



HUNDREDS of SESSIONS from
→ OPEN INFRASTRUCTURE EXPERTS

AIRSHIP

AKRAINO

ANSIBLE

CALICO

CENTOS

CEPH

CHEF

CLOUD FOUNDRY

DOCKER

FD.IO

GIMBAL

ISTIO

JENKINS

KATA CONTAINERS

KUBERNETES

MESOS

ONAP

OPEN COMPUTE

OPEN VSWITCH

OPENCI

OPENCONTRAIL

OPENFOG

OPENSIFT

OPENSTACK

OPNFV

POSTGRESSQL

PROMETHEUS

PUPPET

SALTSTACK

SPARK

SPINNAKER

TENSORFLOW

TERRAFORM

TRAVIS CI

XCI

XEN

ZUUL

OpenDev CI/CD, co-located event

- Tuesday & Wednesday on the 3rd floor of the convention center
- Programmed by leaders from Zuul, Spinnaker, Jenkins, XCI, Mesosphere
- Sponsors: Mirantis & Ansible
- Collaborative event!



 **OPENDEV WRAP PARTY 2018**

Location:
Pan Pacific Hotel
300 - 999 Canada Place
Gallery Level
Oceanview Rooms
#1-4

Date & Time:
May 23rd, 6-8pm

The banner features a dark purple background with a white OpenDev logo on the left. To the right of the logo, the text 'OPENDEV WRAP PARTY 2018' is displayed in large, bold, white and pink letters. Below this, the location and date/time information is provided in a smaller, teal-colored font. On the right side of the banner, there is a photograph of a city skyline at night, with lights reflecting on the water.

Presented By:  Spinnaker  Google  NETFLIX  MIRANTIS

In 2010, NASA and Rackspace started OpenStack to bring infrastructure automation to the world

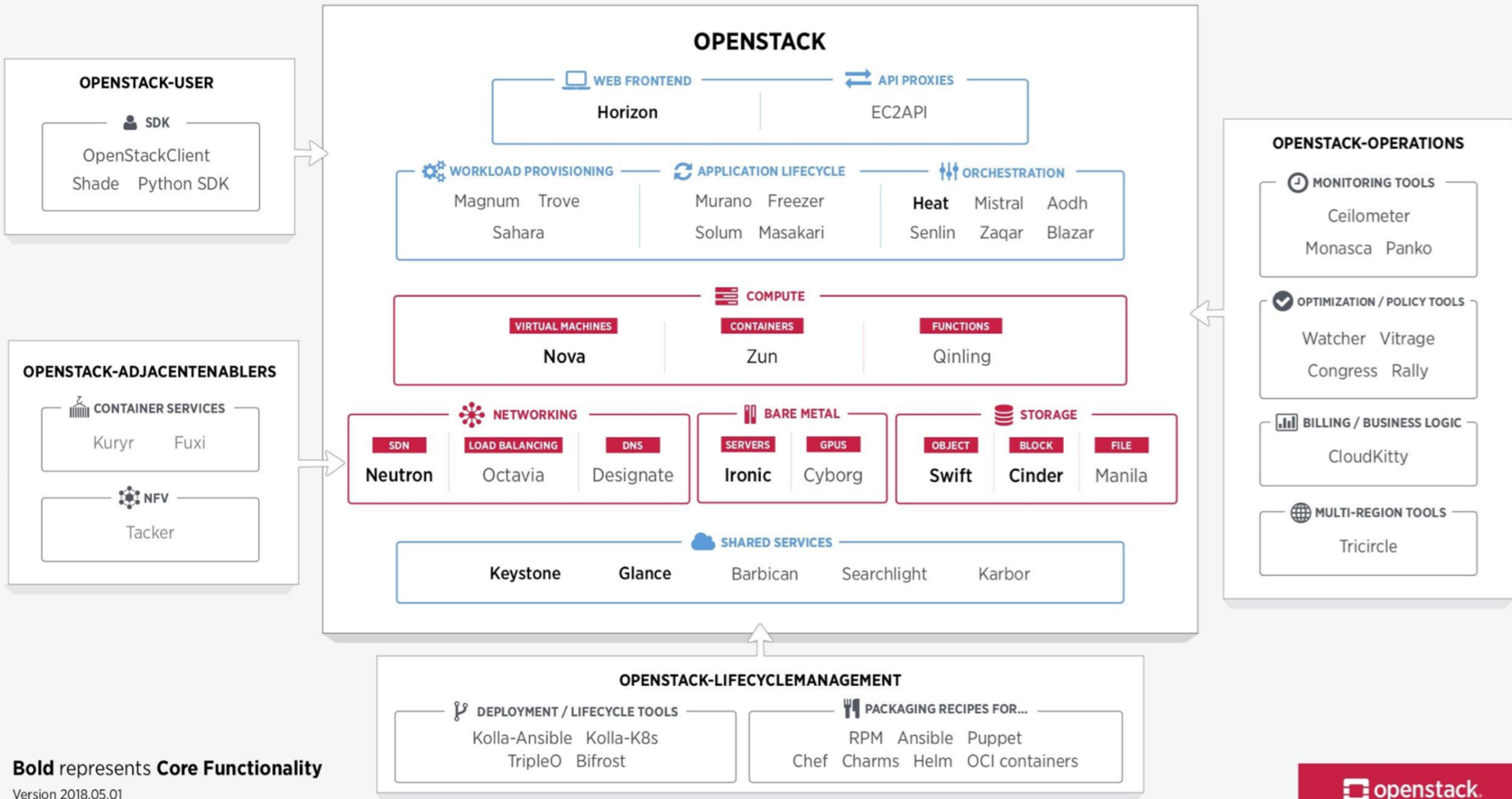


Nova



Swift

**In 2018, OpenStack is now proven
and widely adopted**



Bold represents **Core Functionality**

95%

**More Deployments in
2017 vs 2016**

More than

10,000,000

Computing Cores in Production

New OpenStack Users



New Report

451 Research, Voice of the Service Provider*

Globally, 71% of service providers are either in production or plan to be in production with OpenStack in the next 12 months. That number goes up to 80% if you include respondents who plan to implement in the next 24 months.

- Telcos: 45% are in production and another 36% are in POC or plan to be in production in the next 24 months.
- Large service providers (\$1bn+ revenue): 63% in production with 22% in POC or planning to implement in the next 24 months.

**More data available in the full report; Al Sadowski, key analyst; May 2018*

<https://451research.com/dashboard/customer-insight/voice-of-the-service-provider>

IDC: OpenStack Infrastructure Ecosystem: Part 3 Market Size & Forecast*

IDC estimates OpenStack to be a **\$6.1 billion opportunity in 2018** and grow at an aggregate CAGR of 9.7% from 2016 to 2021.

**Doc #US43091917, OpenStack Infrastructure Ecosystem: Adoption Patterns, Use Cases, and Market Outlook, Part 3 — Market Size and Forecast, Sept 2017*

(<https://www.idc.com/getdoc.jsp?containerId=US43091917>)

IDC: OpenStack Infrastructure Ecosystem: Part 4

Results from Customer Survey*

- **Lower cost and faster speed** are the drivers for OpenStack adoption.
- OpenStack is seen as a **vehicle to achieve a hybrid cloud strategy**. Enterprises are realizing **significant cost savings** over public and private cloud alternatives.
- OpenStack users are not confined to large organizations, **much of the market is for medium-sized and midmarket companies**.
- **90% of OpenStack users use a partner to deploy**, and they are a key OpenStack software channel and route to market.
- Users run a very diverse set of workloads on OpenStack. **Workload types are shifting from commercial to custom built**. Today's deployments are an even mix of migrated VMs, existing VMs, and new VMs.

*Doc #US43318917, OpenStack Infrastructure Ecosystem: Adoption Patterns, Use Cases, and Market Outlook, Part 4 — Customer Survey Results, Dec 2017

(<https://www.idc.com/getdoc.jsp?containerId=US43091917>)

Why is adoption growing?

- The overall demand for software-driven infrastructure is exploding
- Three C's driving multi-cloud: cost, compliance and capabilities
- OpenStack software has greatly improved and meets a variety of use cases
- Most users are still at the beginning of this journey, need help with the transition

Now, the industry faces new challenges

- New workloads and architectures bring new requirements
- Tons of open source projects requiring integration
- Lifecycle management and upgrades
- Difficult for customers to absorb the large number of new technologies

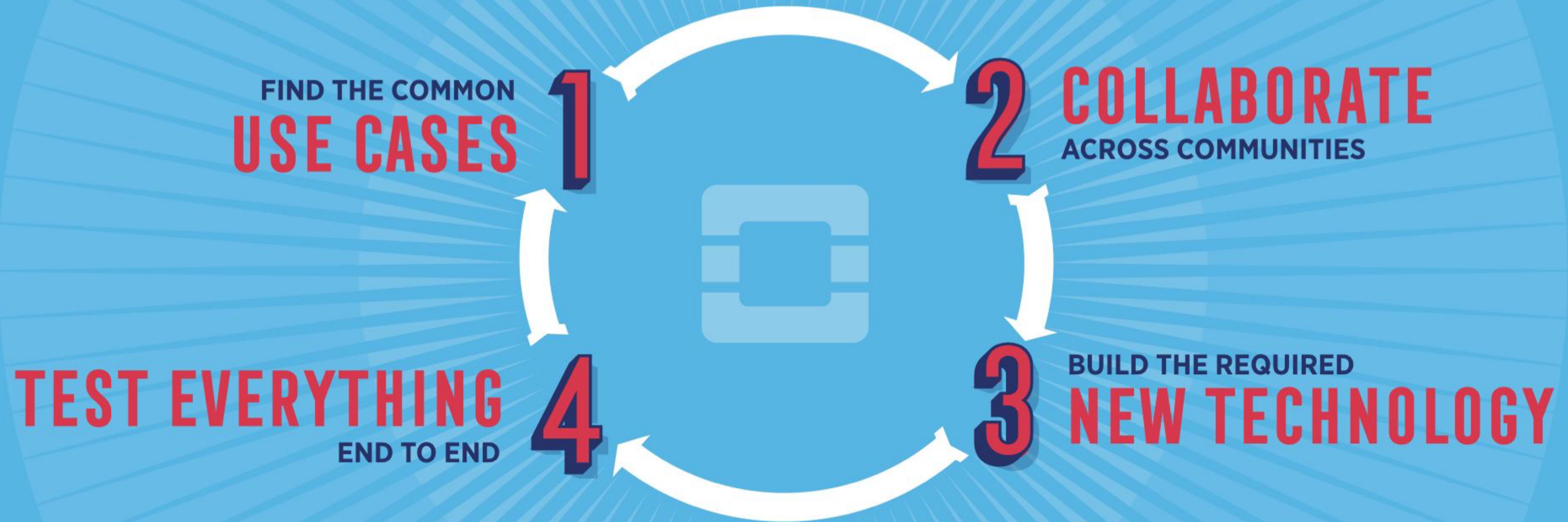
And our community is responding...

**In 2017, we laid out a strategy to
address these challenges**

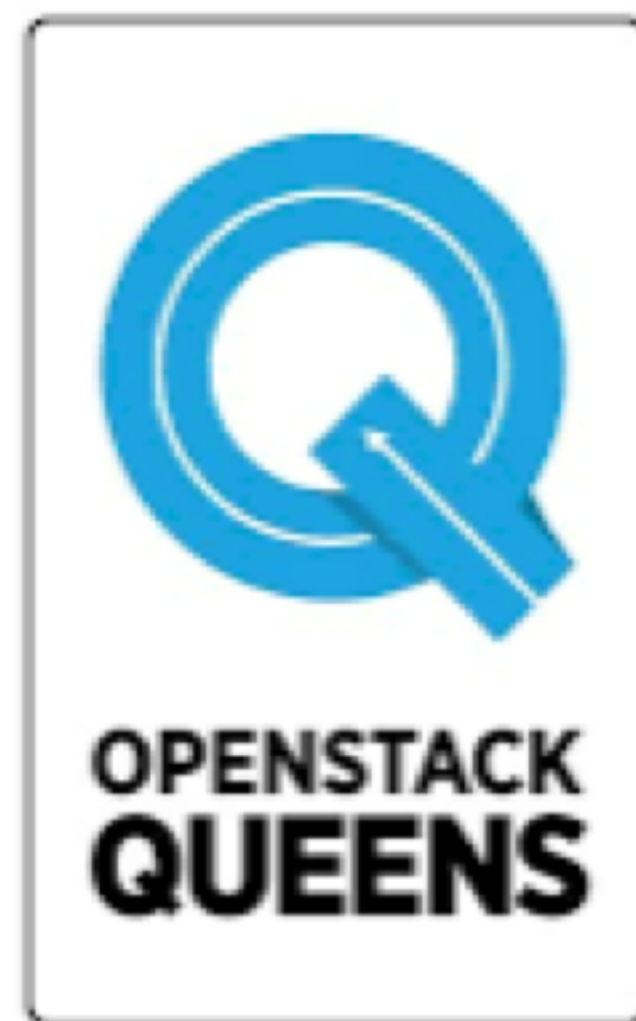
More than a single platform, we are a community

- Develop open source software for open infrastructure
- Operate public, private cloud, and edge environments for many different use cases
- Share experiences to bring benefit to customers

The Foundation is evolving to support the open infrastructure community



And in six months, the community has delivered



EDGE COMPUTING GROUP

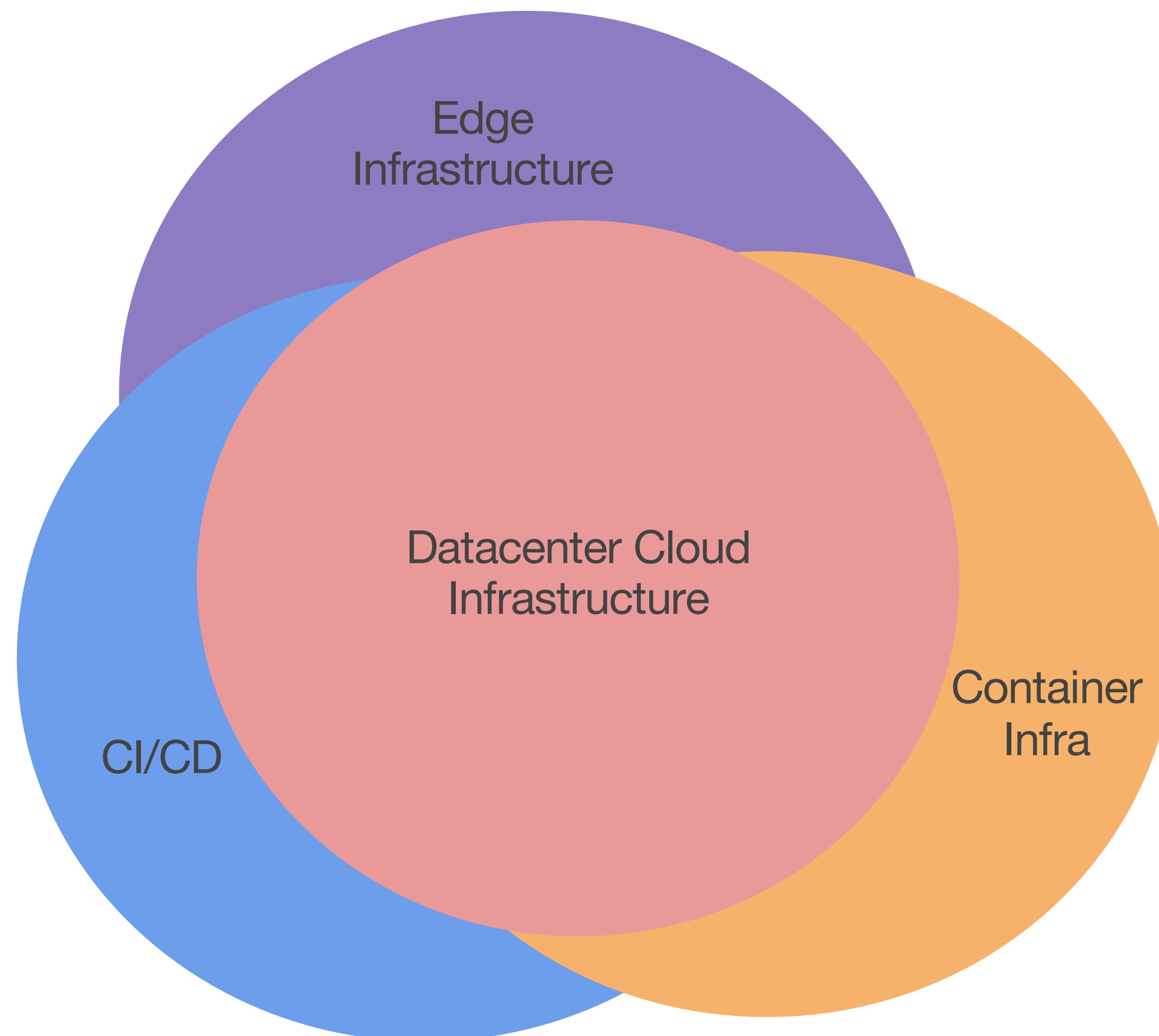


Addressing use cases and building new markets

- Datacenter Cloud
- Container Infrastructure
- Edge Computing
- CI/CD

More in the future...

NFV/HPC/AI/Machine Learning



Open Infrastructure Content

- 250+ OpenStack sessions (not including Forum)
- 70+ Kubernetes sessions
- 28 Docker sessions
- 21 OPNFV sessions
- 13 ONAP sessions
- 15 Ceph sessions
- 19 Ansible sessions
- 11 Kata Containers sessions
- 9 Zuul sessions
- 6 Tensorflow sessions
- 6 Terraform sessions
- 4 Spark sessions
- 4 Istio sessions
- 4 Cloud Foundry sessions
- 4 Spinnaker sessions
- And many more....



Maya Kaczorowski
GCE - Container Security



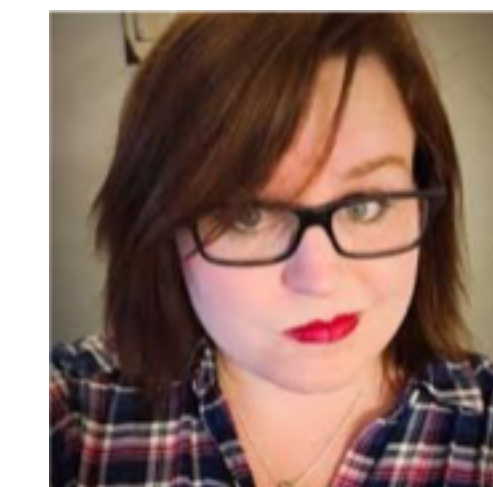
Craig McLuckie
Heptio - Craig McLuckie



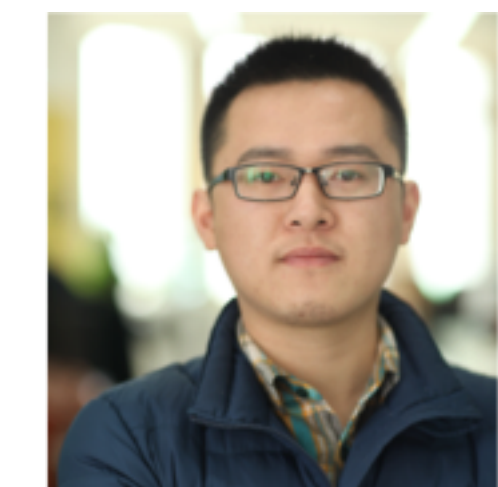
Tony Campbell
CoreOS - Kubernetes



Lin Sun
Istio Core



Kris Nova
Kubernetes & Kubicorn



Allen Sun
Alibaba - Kata/Pouch

Press Releases



- Kata Containers v1 release
- Zuul as an independent project
- Kubernetes:
 - SIG-OpenStack in Kubernetes community delivered OpenStack provider for Kubernetes
 - White paper covering major use cases
 - Represented in cross cloud CI dashboard



2018 OpenStack User Survey

- 2018 submission process now open:
<https://www.openstack.org/user-survey/survey-2018>
- Annual report to be published in October, 2018 before the Berlin Summit
- For real-time analytics, you can visit **[openstack.org/analytics](https://www.openstack.org/analytics)**

Berlin Summit Preview

November 13-15

- Headline sponsorships sold out:
 - Deutsche Telekom, Intel, Huawei, Canonical
- Already securing speakers, including **American Airlines & BMW**
- Potential Edge hackathon weekend prior to the Summit
- Looking for feedback on new open infrastructure content and keynote format we're testing in Vancouver
- Call for Presentations now open

Thank you!