Open Infrastructure
FOUNDATION

SodaCon 2021
Jonathan Bryce, Executive Director

@jbryce

OpenInfra Foundation Today

111,000

people

182

countries

700

organizations

Millions of lines
of code

Powering millions
of compute cores

Reaching millions of people
Via our network of websites

Open Infrastructure
FOUNDATION

Our Role as a Foundation

WE BELIEVE

- Technology infrastructure is critical for human progress
- Everyone should have access to modern cloud technology
- Open source is the most effective way to develop technology and make it available to the largest number of people globally.

WE ARE

- 111,000 people from thousands of companies in 182 countries
- Funded by member companies who share our vision

We build communities that write software that runs in production

Open Infrastructure
FOUNDATION

PLATINUM MEMBERS

ANT GROUP   AT&T   ERICSSON   HUAWEI

FACEBOOK   FiberHome   Red Hat

WNDRVR   Tencent Cloud

GOLD MEMBERS

九州云 Cloud   中国移动 China Mobile   中国电信 CHINA TELECOM   China unicom 中国联通   CISCO   citynetwork

DELL Technologies   EasyStack open cloud computing   H3C   intel.   inspur   MIRANTIS

NEC   卓朗昆仑云   T   ubuntu Delivered by Canonical   vmware   ZTE

The Home of Open Infrastructure

Hosted Projects

airship   kata containers   OpenInfra Labs   openstack®   STARLINGX   ZUUL

Projects we support

magma   opendev   RUST-VMM

Open Infrastructure
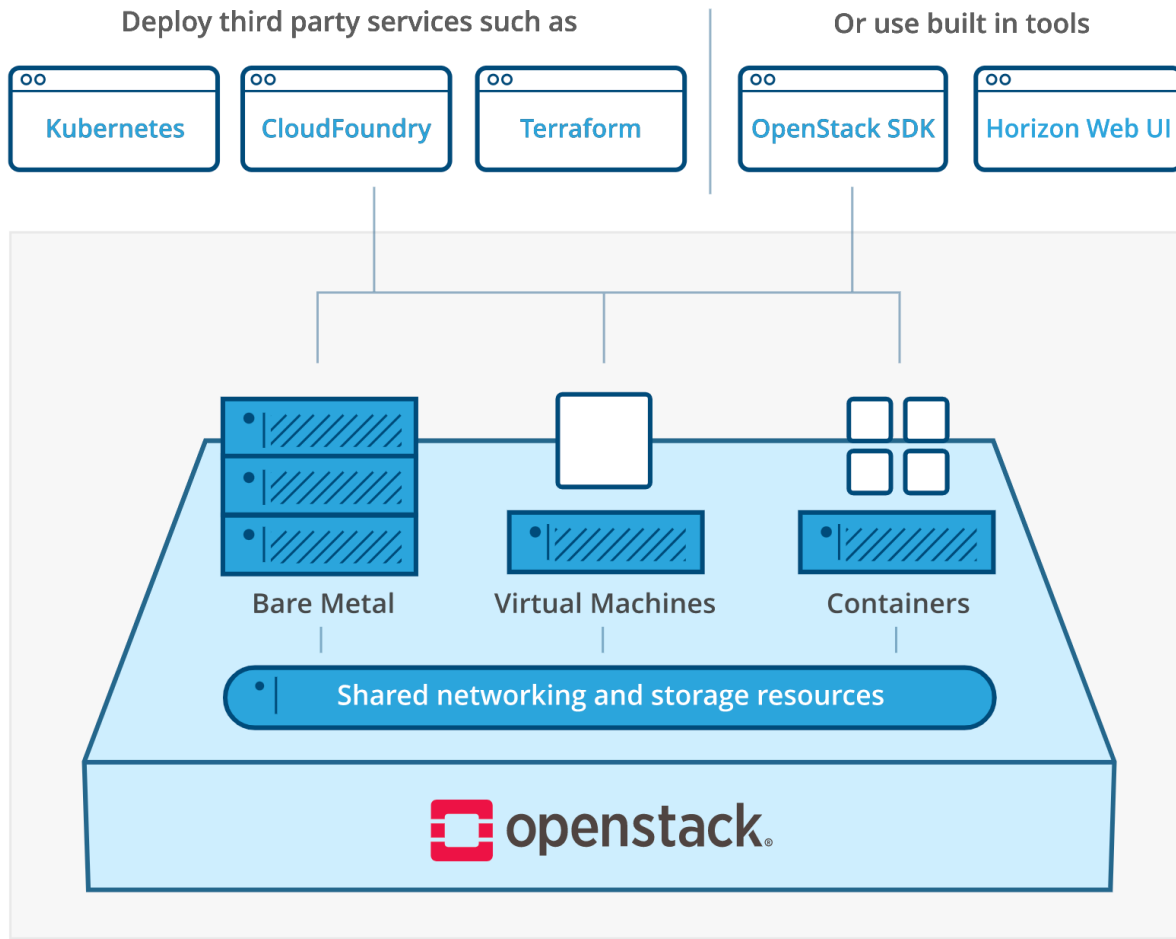FOUNDATION
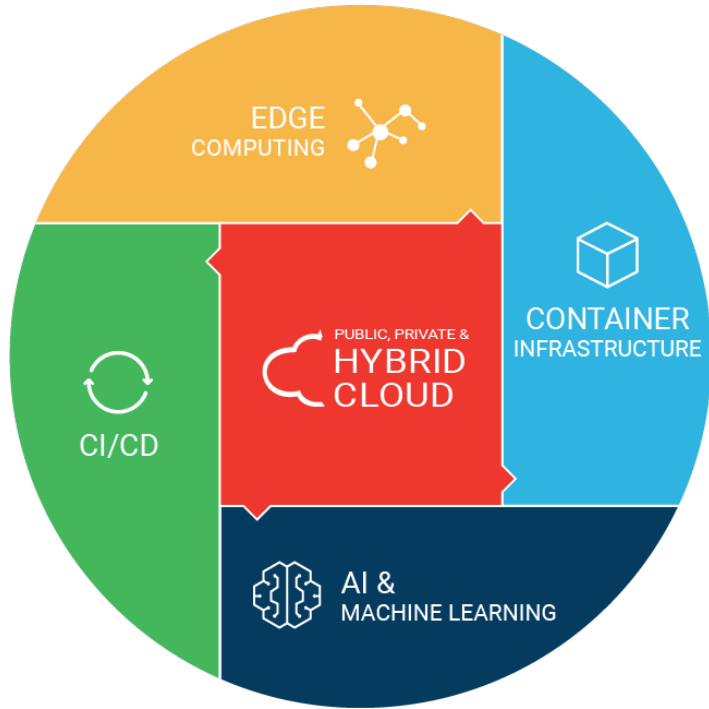
Focusing on Infrastructure

New demands are being placed on infrastructure driven by modern use cases like containers, AI, machine learning, 5G, NFV and edge computing
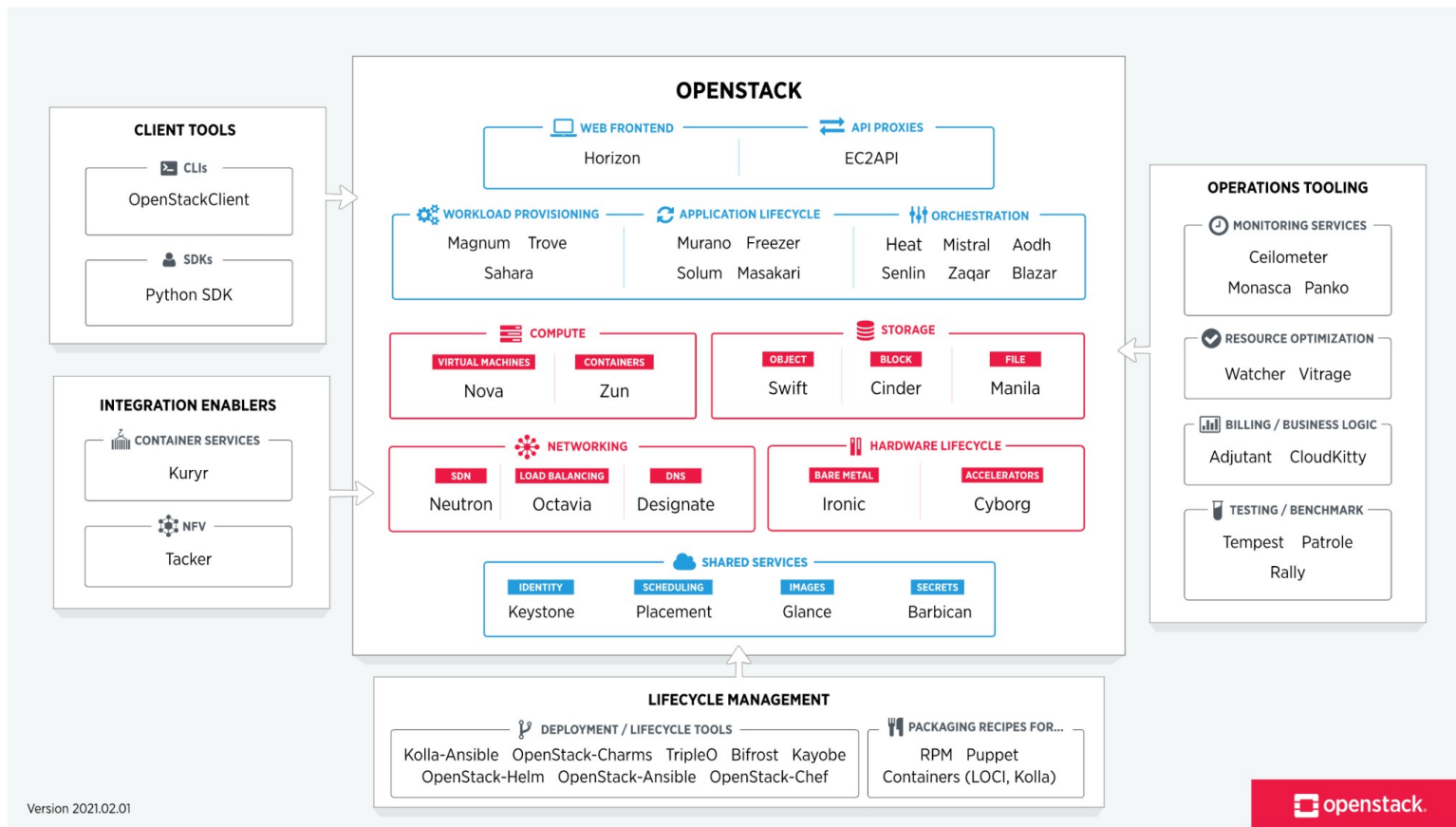
Addressing a $20B market

Source: 451 group

Building communities to write open source software to address
these infrastructure markets

OPENSTACK

CLIENT TOOLS

CLIs
OpenStackClient

SDKs
Python SDK

INTEGRATION ENABLERS

CONTAINER SERVICES
Kuryr

NFV
Tacker

WEB FRONTEND
Horizon

API PROXIES
EC2API

WORKLOAD PROVISIONING
Magnum Trove
Sahara

APPLICATION LIFECYCLE
Murano Freezer
Solum Masakari

ORCHESTRATION
Heat Mistral Aodh
Senlin Zaqar Blazar

COMPUTE

VIRTUAL MACHINES
Nova

CONTAINERS
Zun

STORAGE

OBJECT
Swift

BLOCK
Cinder

FILE
Manila

NETWORKING

SDN
Neutron

LOAD BALANCING
Octavia

DNS
Designate

HARDWARE LIFECYCLE

BARE METAL
Ironic

ACCELERATORS
Cyborg

SHARED SERVICES

IDENTITY
Keystone

SCHEDULING
Placement

IMAGES
Glance

SECRETS
Barbican

OPERATIONS TOOLING

MONITORING SERVICES
Ceilometer
Monasca Panko

RESOURCE OPTIMIZATION
Watcher Vitrage

BILLING / BUSINESS LOGIC
Adjutant CloudKitty

TESTING / BENCHMARK
Tempest Patrole
Rally

LIFECYCLE MANAGEMENT

DEPLOYMENT / LIFECYCLE TOOLS
Kolla-Ansible OpenStack-Charms TripleO Bifrost Kayobe
OpenStack-Helm OpenStack-Ansible OpenStack-Chef

PACKAGING RECIPES FOR...
RPM Puppet
Containers (LOCI, Kolla)

Version 2021.02.01

Top three most active open source project with 15 million cores in production

Learn more later today...

14:45 - 14:55　　🛈 Technical Overview of OpenStack, Kubernetes, and Storage Plugins

Kendall Nelson
Open Infrastructure Foundation

OpenInfra Live

- Weekly one-hour live-streaming series, **with each episode reaching 3,000 people around the world**!

- 12 episodes to date, including OpenInfra Jobs, global connectivity with Magma, OpenStack's Wallaby release, exploration of edge computing with StarlingX, and more.

- Each episode is adapted for Chinese audiences by republishing on Tencent Cloud, translating Superuser recap articles, and promoting on Wechat.

- **SUBMIT YOUR IDEAS: ideas.openinfra.live**

Watch past shows and see upcoming schedule: **openinfra.live**

Questions

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