OSF
OpenStack
Foundation
We help people build and operate
OPEN INFRASTRUCTURE

About OpenStack Foundation (OSF)

The OpenStack Foundation (OSF) is a non-profit (501c6) organization founded in 2012 **to help people build and operate open infrastructure.**

With **105,000 members** in **187 countries** from **675 organizations**, **OSF is one of the largest global open source foundations in the world.**

OSF is **backed by over 100 companies** including Gold & Platinum members.

About Me

Nerd

Believe in the power of technology to **change lives and our shared future** as humans

Believe in the power of **open source and open collaboration** to drive better technology outcomes

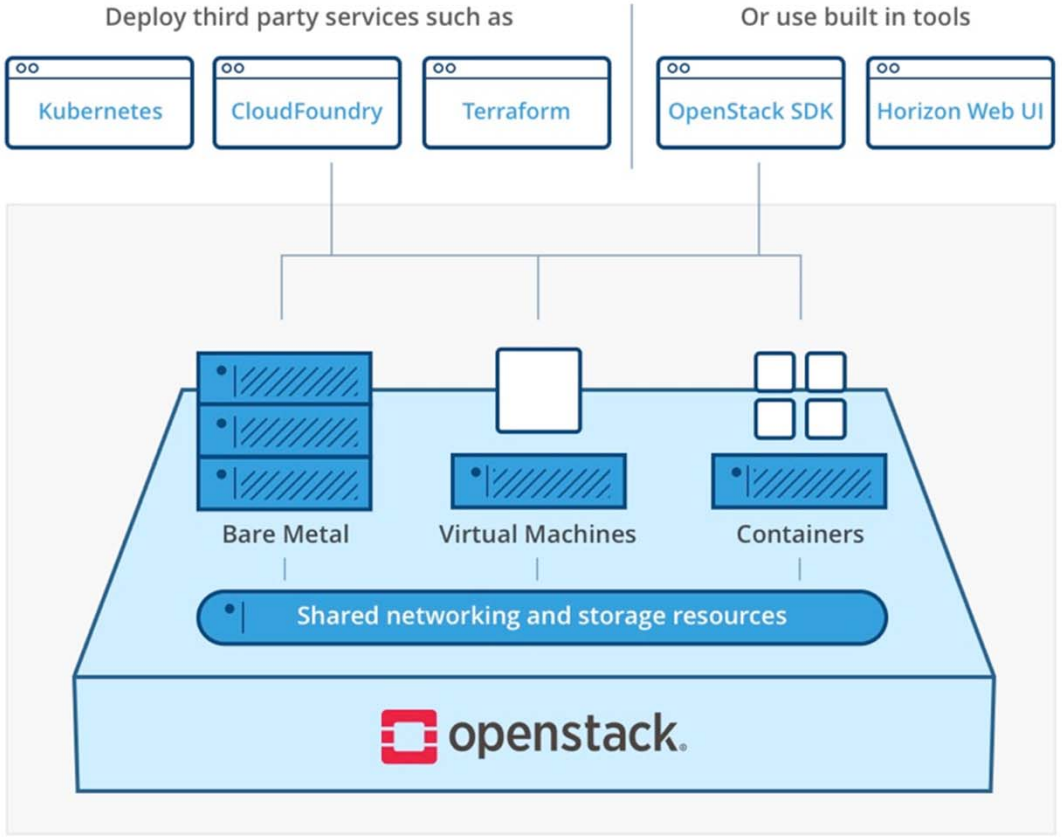
Want to help as many people as possible **create, access, consume, enhance technology**—no matter where they are

OpenStack in 4 Slides

osf.dev

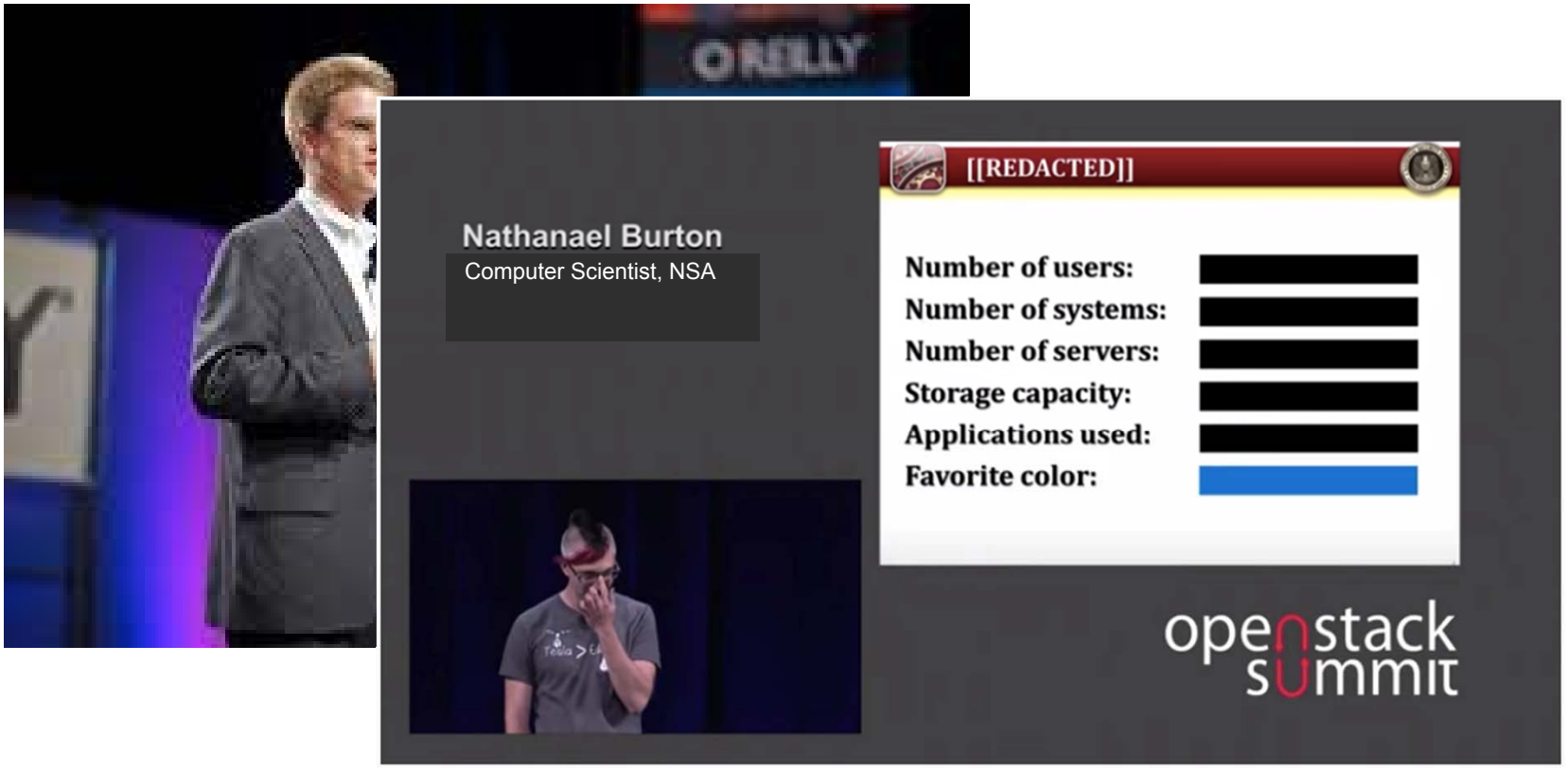
openstack.

OpenStack is a cloud operating system that controls large pools of compute, storage, and networking resources throughout a datacenter, all managed and provisioned through APIs with common authentication mechanisms.



OpenStack.org | @OpenStack | Lists.OpenStack.org | Info@OpenStack.org

O'REILLY


O'REILLY
Nathanael Burton
Computer Scientist, NSA
[[REDACTED]]
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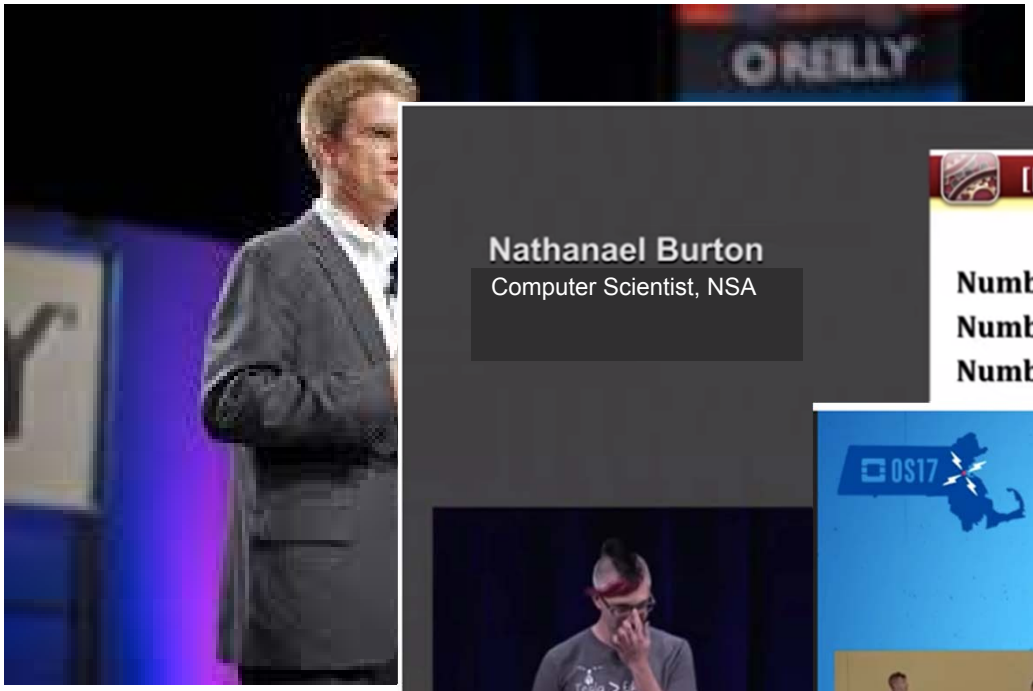
Number of systems:
Number of servers:
Storage capacity:
Applications used:
Favorite color:
openstack summit



Nathanael Burton
Computer Scientist, NSA

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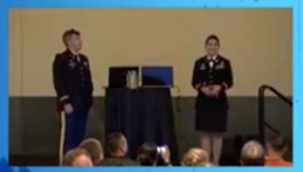
OS17



THE U.S. ARMY CYBER SCHOOL

SAVING MILLIONS AND
ACHIEVING EDUCATIONAL FREEDOM
THROUGH OPENSTACK

MAJOR JULIANNA M. RODRIGUEZ
Cyber Technical College Director
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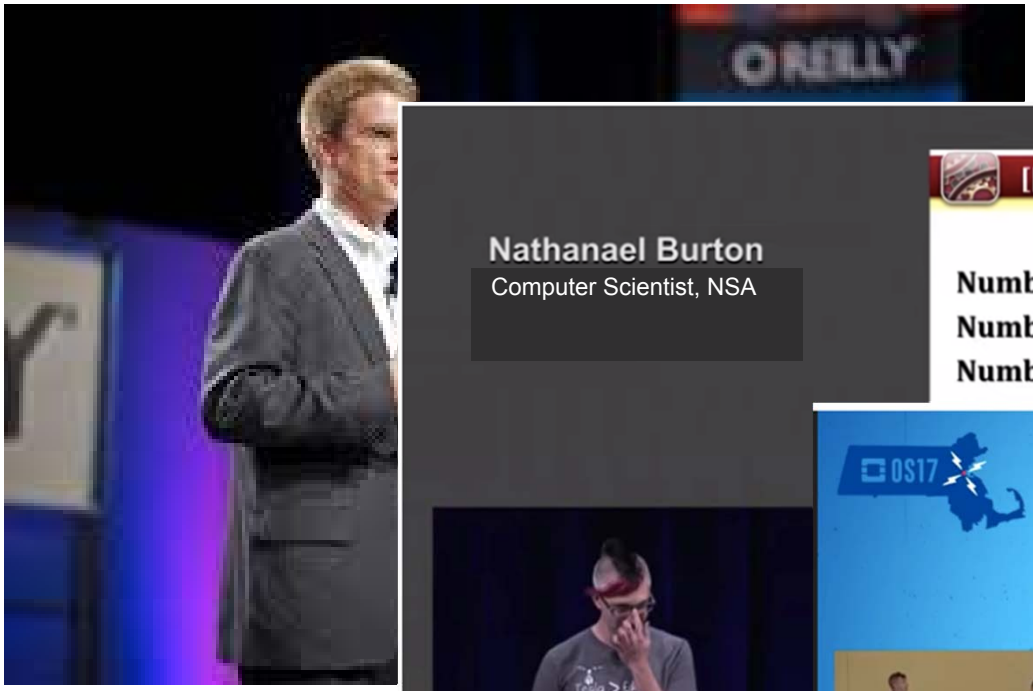
8 May 2017
The overall classification of this brief is UNCLASSIFIED

US Army Cyber School, Cyber Center of Excellence

OPENSTACK
SUMMIT BOSTON



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Argonne NATIONAL LABORATORY

Pacific Northwest NATIONAL LABORATORY

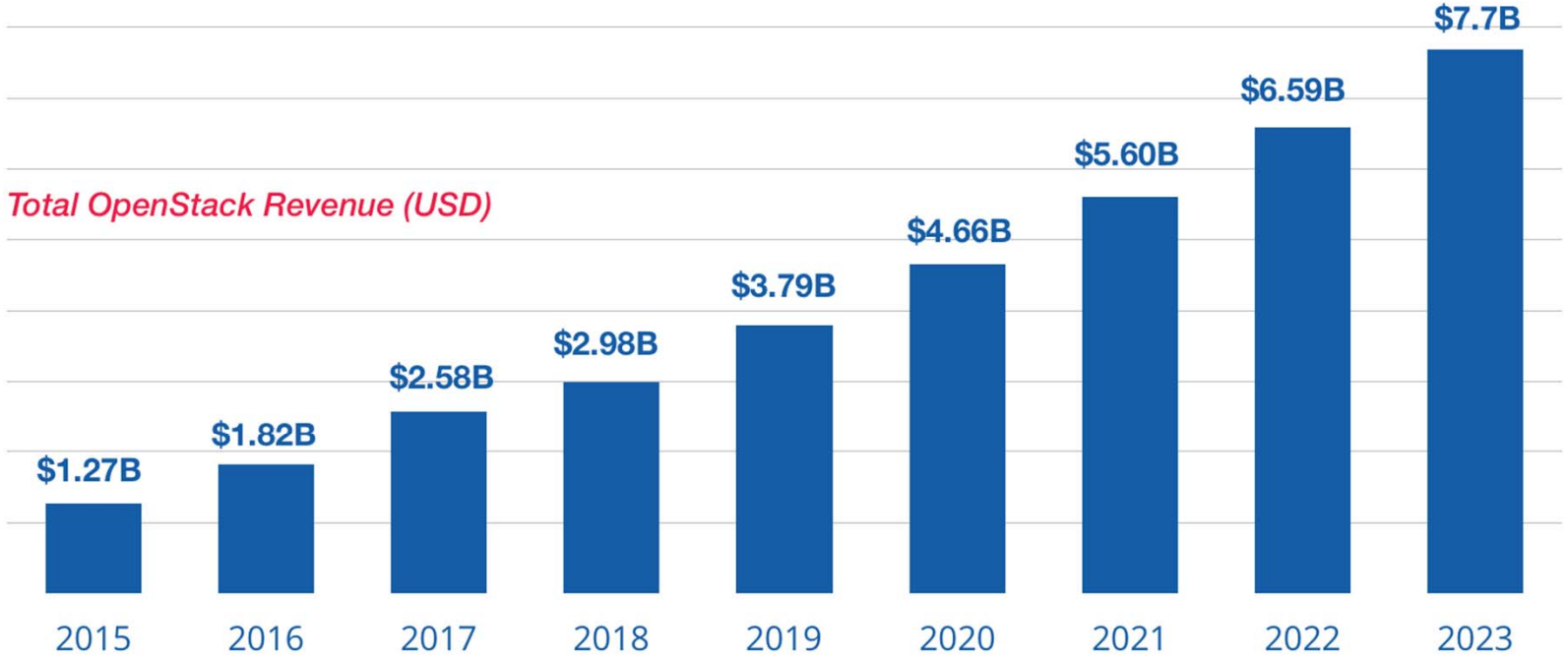
Los Alamos NATIONAL LABORATORY EST. 1943

OAK RIDGE National Laboratory

Boston

10 Million OpenStack Compute Cores

Global OpenStack Market



OpenStack Foundation

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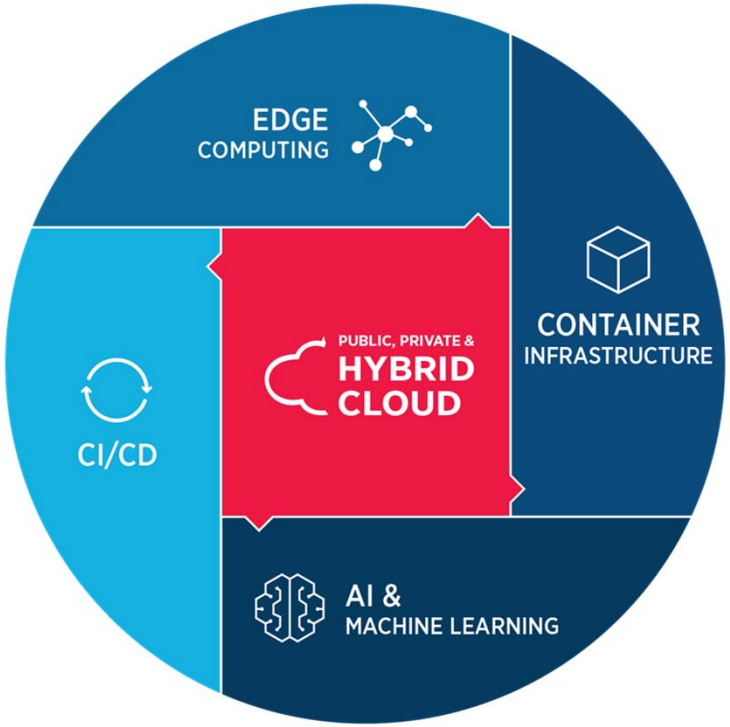
Open Infrastructure Markets



OpenStack Foundation

OSF: Home of Open Infrastructure

- A global, **diverse community** of open infrastructure architects and operators
- **Builders** of open source infrastructure tools, world-class CI and integration testing
- The **place for collaboration**, learning & problem solving for infrastructure operators and users, online and at events around the world...where work gets done!
- The **largest footprint** of open source cloud deployments around the world

OSF OpenStack Foundation

Guiding Principles: ‘Four Opens’

The OpenStack Foundation uses an open collaboration model that includes as many individuals and organizations as possible, on a level playing field, where **everyone is invited** to design open infrastructure software.

The Four Opens:

Open Source | Open Design | Open Development | Open Community

From **Community**, where anyone is welcome to contribute; to **Design**, where diverse ideas are shared before the coding begins; to **Development**, when every patch is visible and tested before it lands; to the **Source** code itself, which is shared with the world: each is critical to how we deliver open source

OSF OpenStack Foundation

Summary

Planning a **structure for collaboration** from the beginning is critical

Open source provides a framework and increasingly well understood set of **ground rules for collaboration**

Open source foundations provide **neutral space plus services** to improve **sustainability and participation**

Open collaboration is a powerful force for driving technology to change our lives and our world