



# Open Infrastructure: Beyond datacenter cloud

A hand holding a lit sparkler against a dark, splattered background. The sparkler is bright and glowing, with many small sparks flying out. The background is dark with white splatters and a circular vignette effect.

# Hello!

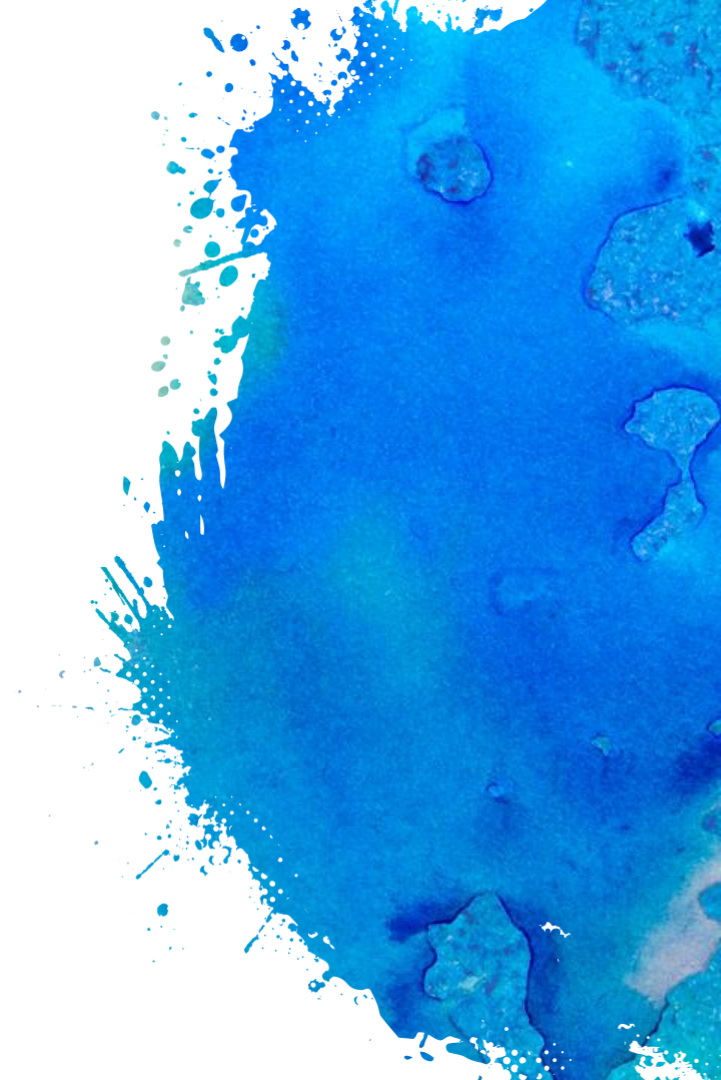
My name is Thierry Carrez

I work for the OpenStack Foundation

You can find me at @tcarrez

# 1. A need for a change

Why we changed



# Project focus

- × Build a community
- × Capture excitement
- × Grow





# Limits

The project-centric model served us well, but it started hurting more than it helped.

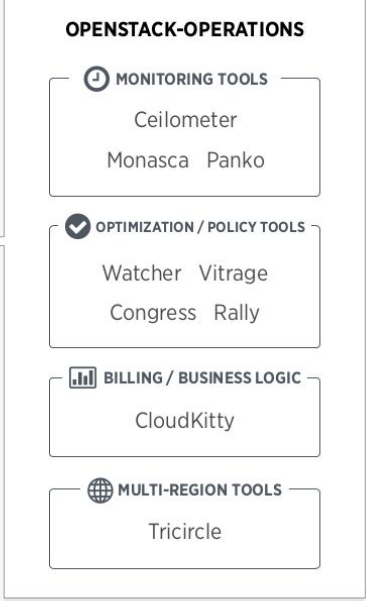
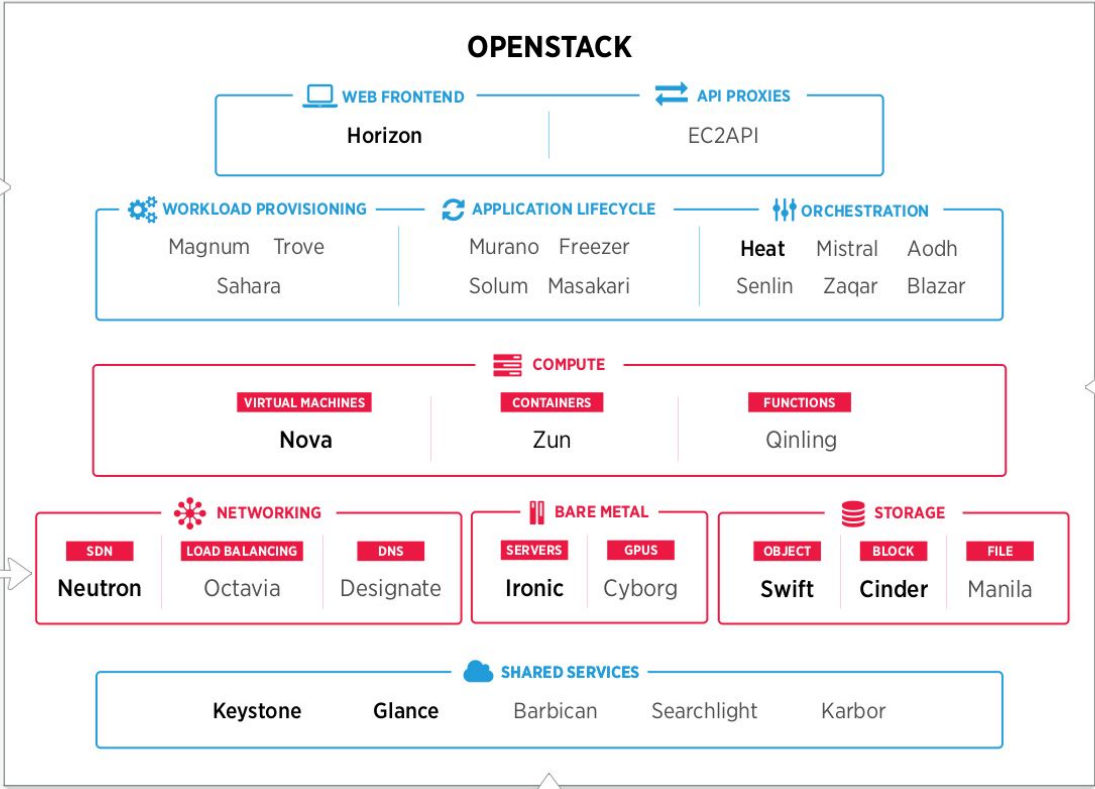
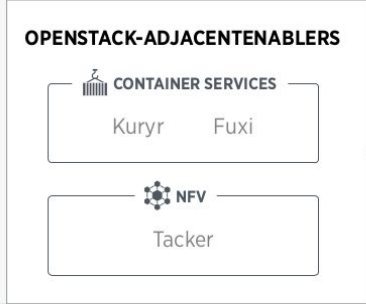


# A better defined OpenStack

Creating a map of OpenStack  
helped in defining what it is,  
and what it is not.







# A great CI system

But nobody else was using it as  
it was seen as OpenStack-specific.





# Demand for more

Nascent open source communities love our principles and the way we run projects, but their product is not “OpenStack”.



# Embracing the edge

There is a need for open source infrastructure solutions at the edge, and it's different from traditional datacenter cloud needs.





# Integration is the last mile

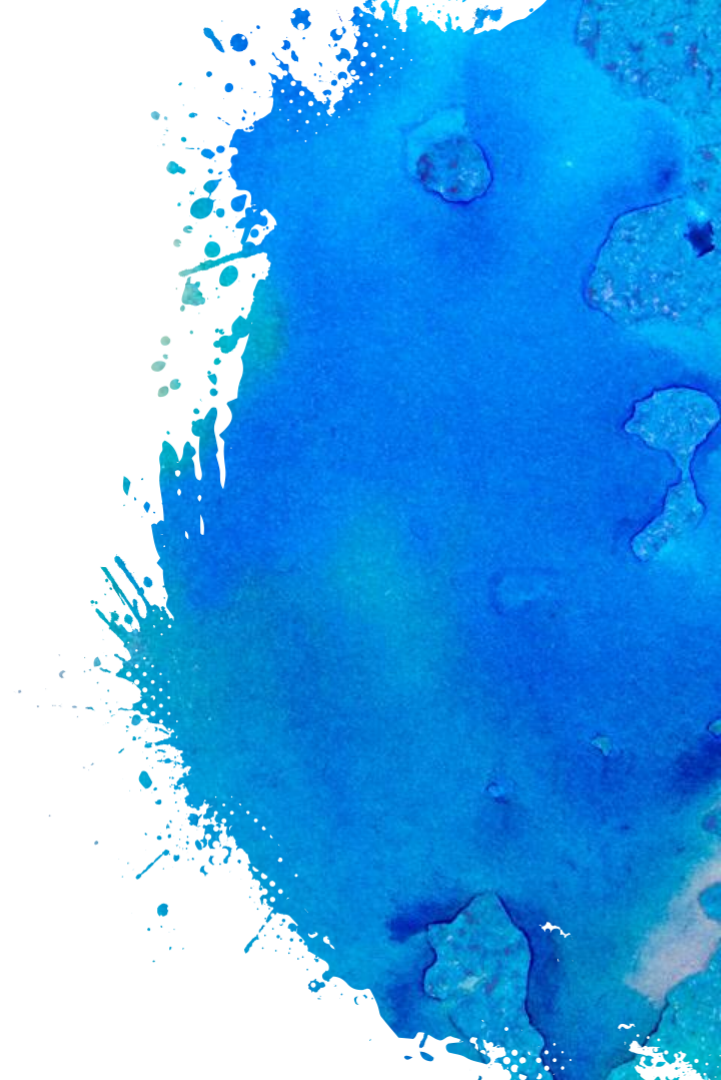
Open source technologies  
rule the world,  
but integrating them is still hard.





# 2. Our original motivation

What we are here for



# Open collaboration

“To go fast, go alone.  
To go far, go together.”





# Open infrastructure

All the world's infrastructure needs  
should not be provided by the  
“big 3” proprietary public clouds.



# Upstream & Downstream

Two areas of expertise,  
one Foundation



# Having fun

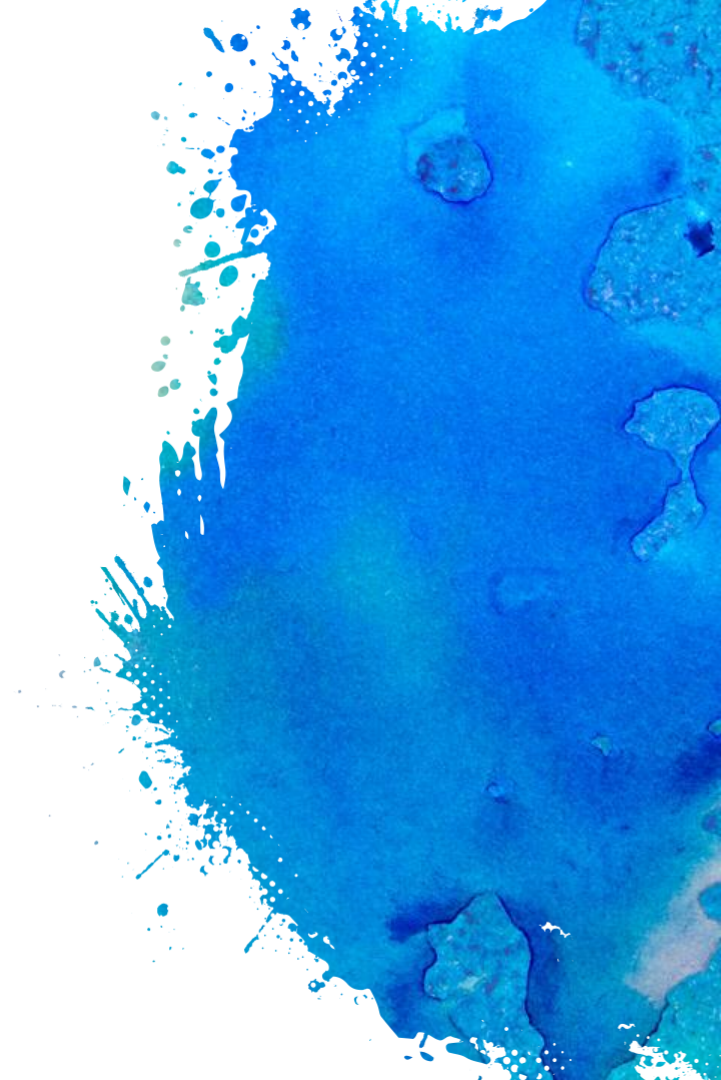
Great food, wine, good friends,  
long-lasting relationships, karaoke  
#mustbeopenstack



3.

# What we built

Take stock of our assets





A crowd of people with their hands raised in the air, set against a bright, sunlit background with a white brushstroke effect.

# A coalition of organizations

Aligned on the need for  
open infrastructure

# A network of events

Global OpenStack Summits  
Local OpenStack Days  
Meetups  
Project Teams Gatherings





# A user community

Engaged and willing to share  
their experiences





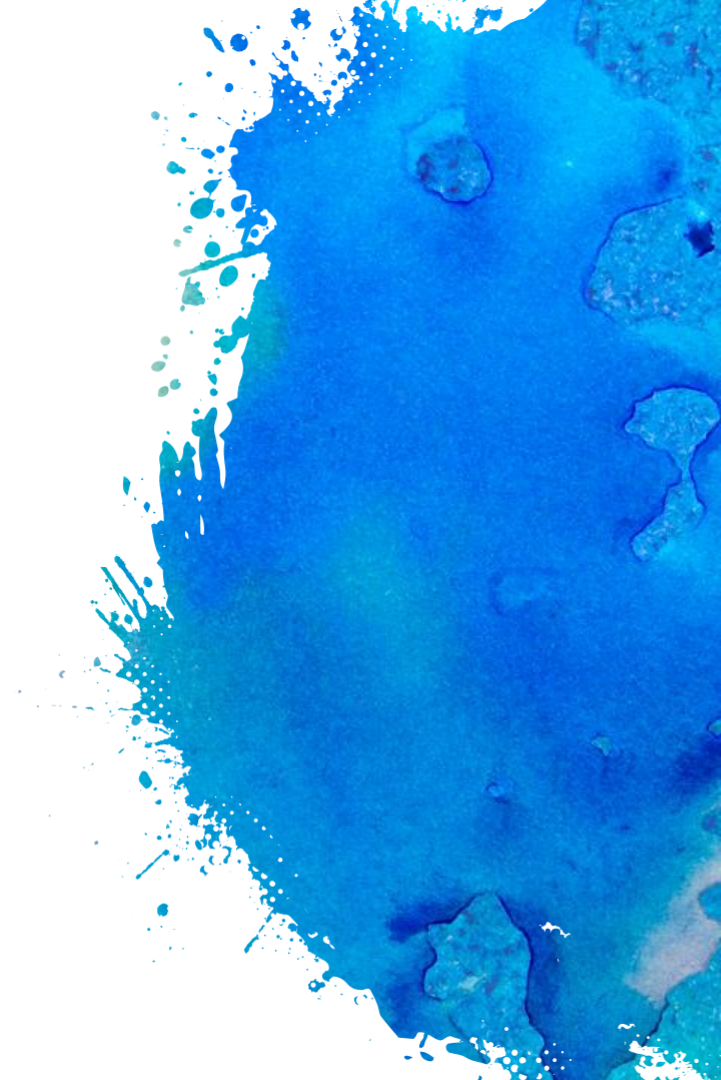
A black and white photograph of a railway track, viewed from an elevated perspective. The tracks curve to the right and recede into the distance. The ground is covered in gravel and wooden sleepers. A large, white, splatter-like graphic element is overlaid on the left side of the image, partially obscuring the tracks and extending towards the top left corner. The overall composition is high-contrast and industrial.

# A project infrastructure

An openly-operated set of services  
doing CI at unprecedented scale

# 4. The new approach

What happened over the last 6 months



Discussion shift





# Discussion shift

## **From project-oriented**

Create a solution

Build software

OpenStack



# Discussion shift

## **From project-oriented**

Create a solution  
Build software  
OpenStack

## **To goal-oriented**

Solve problems  
Integrate solutions  
Open infrastructure



FIND THE COMMON  
**USE CASES**

**1**

**2**

**COLLABORATE**  
ACROSS COMMUNITIES

**TEST EVERYTHING**  
END TO END

**4**

**3**

BUILD THE REQUIRED  
**NEW TECHNOLOGY**

OPENSTACK FOUNDATION INTEGRATION



# Focus areas

- × Datacenter cloud
- × Edge
- × Container infrastructure
- × CI/CD



FIND THE COMMON  
**USE CASES**

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**COLLABORATE**  
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BUILD THE REQUIRED  
**NEW TECHNOLOGY**



OPENSTACK FOUNDATION INTEGRATION

# OpenStack

- × Cloud infrastructure
- × 7000 contributors since 2012
- × 80,000 changes merged in 2017
- × 17th release (Queens) in February





# Kata containers

- × Secure container runtime
- × Code from Intel and Hyper.sh
- × 35 contributors, 1250 commits
- × v1.0



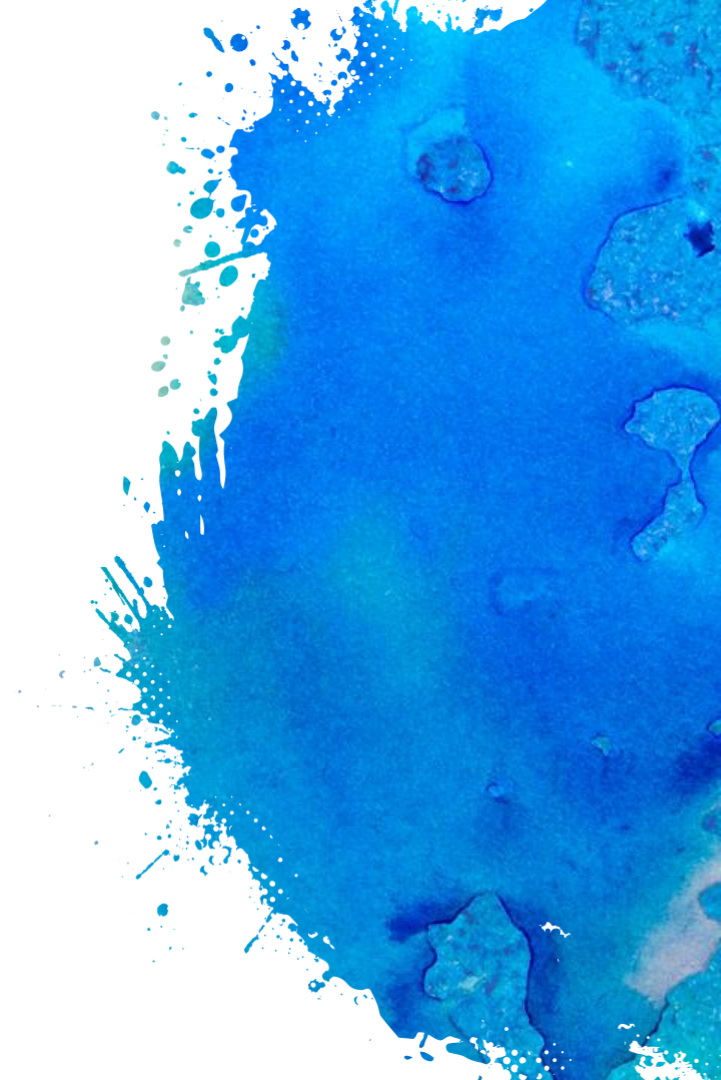
# Zuul

- × Scalable CI engine
- × “Stop merging broken code”
- × 80 contributors, 4200 commits
- × v3.0 last March, now at 3.0.3



# 5. Consequences

Where does that leave us ?





# For the Foundation

- × Not just “OpenStack”
- × Branding
- × Bylaws
- × Internal organization



# For OpenStack

- × Opportunity to focus / refine
- × Reusable components



# For our infra

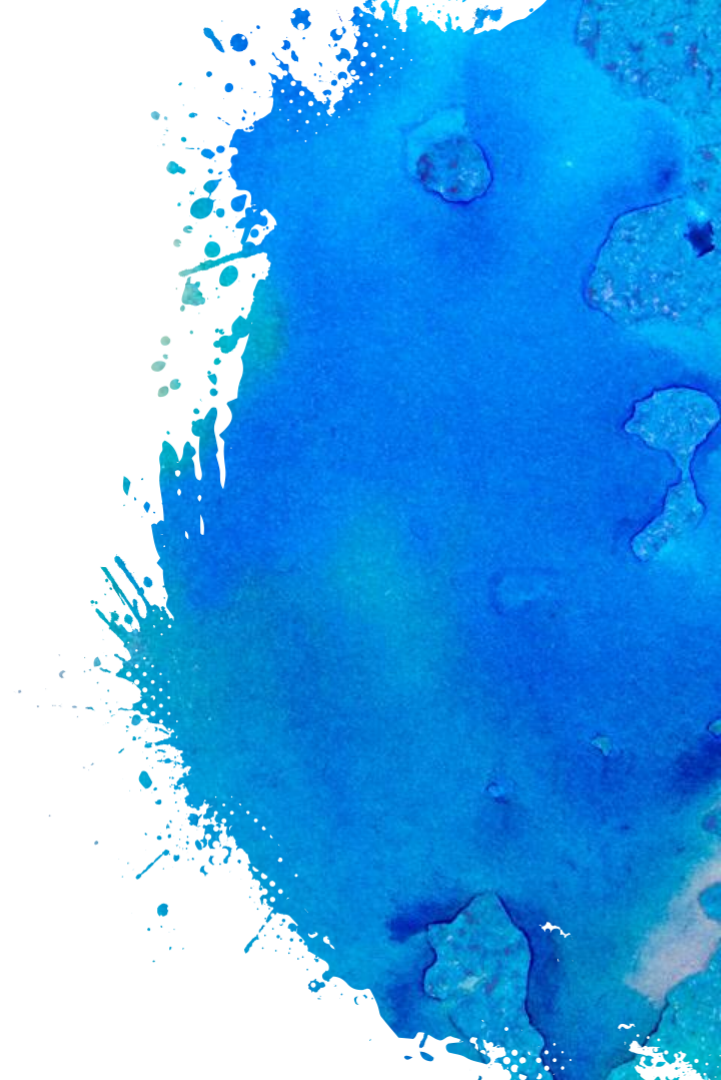
- × Serve more than just “OpenStack”
- × Governance to be defined
- × Potential new resources





# 6. Limits

Reaffirming our base principles



# The 4 Opens

- × Open source
- × Open development
- × Open design
- × Open community



# Basic governance

- × Contributor-driven bodies
- × Only where decisions are needed
- × Aligned with constituency





# Complementarity

- × An overarching story
- × Synergy between projects
- × Forum session, Thursday 3:30pm



A vibrant watercolor splash in shades of purple, magenta, and pink, centered on a white background. The splash has a textured, painterly appearance with various brushstrokes and splatters.

# Thanks!

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Credits

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