

OPENSOURCE MEETUP

ROMA

# Collaboration in Action

OPENSOURCE MEETUP ROMA

# OPEN SOURCE IS THE SOURCE

OF TECHNOLOGICAL INNOVATION

Linux® kernel  
Fedora

1M+  
projects

OpenStack®

KVM

GNOME

OpenJDK

Apache Project

Kubernetes

Hyperledger

node.js



OpenShift Origin

TensorFlow

96M\* REPOSITORIES  
31M\* DEVELOPERS  
2.1M\* BUSINESSES

\*GitHub Oct 2018

# But first, a quick update





The Origin Community Distribution of Kubernetes  
that powers **Red Hat OpenShift**.

Built around a core of OCI container packaging and Kubernetes container cluster management, OKD is also augmented by application lifecycle management functionality and DevOps tooling. OKD provides a complete open source container application platform.

[DOWNLOADS](#)[USERS](#)[WHAT IS OKD?](#)[CONTRIBUTE](#)[OPENSHIFT COMMONS](#)[DOCUMENTATION](#)[★ Star](#)

Try Out The Latest **OKD** Release

\$ **oc cluster up**

[GET STARTED](#)[DOWNLOAD OC](#)

Secure | <https://github.com/openshift/origin>

go Maker | Use... RHT Blog Tracker... [EARLY DRAFT] Re... GitHub Octoverse... Developer Experience... OpenShift Partner... Logo Maker | Use...

# OKD: The Origin Community Distribution of Kubernetes

go report A+ godoc reference build passing Jenkins irc freenode: #openshift-dev license Apache-2.0

OKD is the Origin community distribution of [Kubernetes](#) optimized for continuous application development and multi-tenant deployment. OKD adds developer and operations-centric tools on top of Kubernetes to enable rapid application development, easy deployment and scaling, and long-term lifecycle maintenance for small and large teams. *OKD* is also referred to as *Origin* in github and in the documentation.

```
-- Installing router ... OK
-- Importing image streams ... OK
-- Importing templates ... OK
-- Login to server ... OK
-- Creating initial project "myproject" ... OK
-- Server Information ...
  OpenShift server started.
  The server is accessible via web console at:
  https://10.1.2.2:8443

  You are logged in as:
    User: developer
    Password: developer

  To login as administrator:
    oc login -u system:admin

  ○ oc new-project example
  Now using project "example" on server "https://10.1.2.2:8443".

  You can add applications to this project with the 'new-app' command. For example, try:

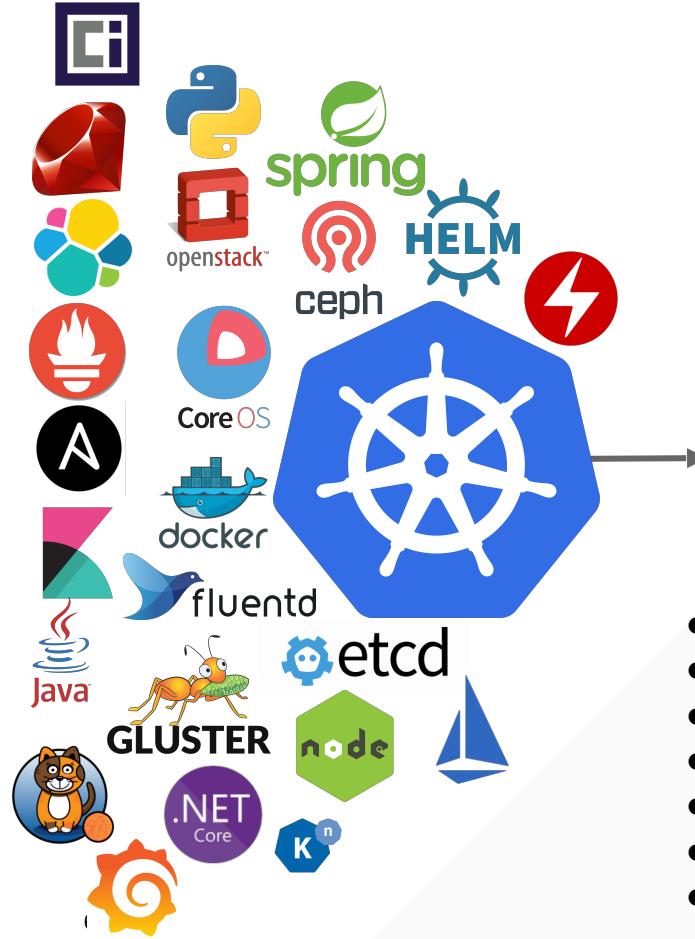
    oc new-app centos/ruby-22-centos7~https://github.com/openshift/ruby-ex.git

  to build a new example application in Ruby.
  ○ oc new-app -L | g
```



<https://github.com/openshift/origin>

# Delivering OpenShift



okd

- Community Kubernetes Distribution
- 100+ Integrations
- 40+ Community Operators
- Align time with OSS trunk
- Integrate OSS projects
- Partner integration platform
- No-cost validations for innovation

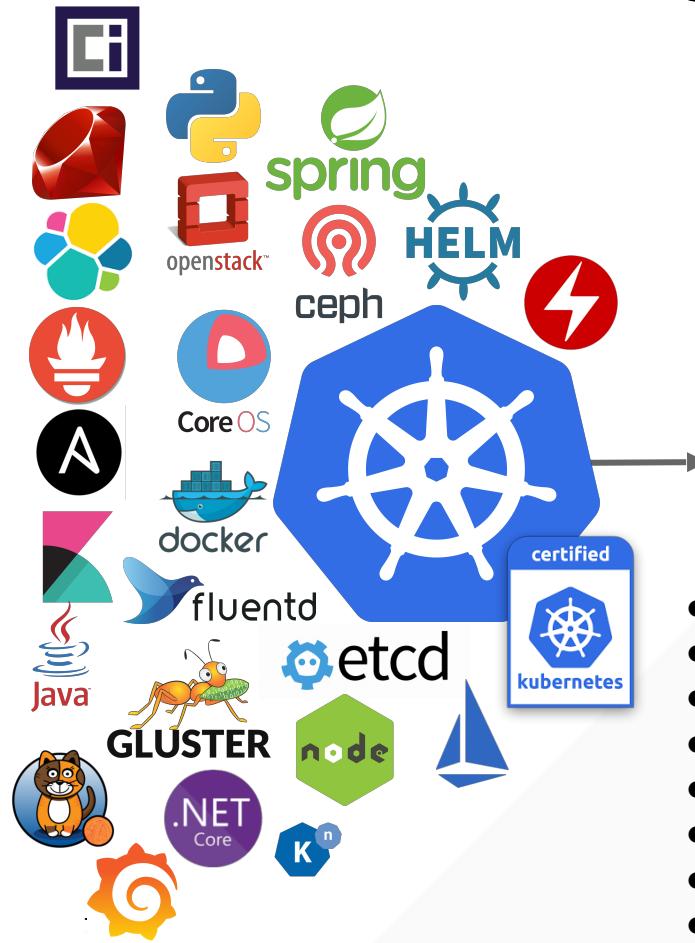


OPENShift  
CONTAINER PLATFORM

OPENShift  
DEDICATED

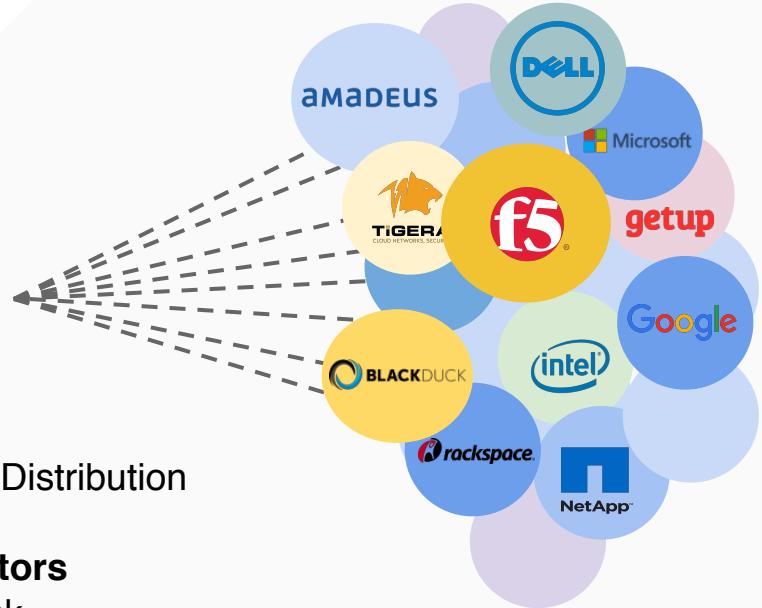
OPENShift  
ONLINE

# Who is OpenShift?



# okd

- Community Kubernetes Distribution
- 100+ Integrations
- **40+ Community Operators**
- Align time with OSS trunk
- Integrate OSS projects
- Partner integration platform
- No-cost validations for innovation
- **OpenShift Commons**



# Commons Participants

470+!



**NIMBIX**  
Cloud Computing Services



**AppFirst™**

**OpenCredo**  
delivering emerging technology today



**KODIAKDATA**



**JETSTACK**

**Deloitte.**



**Guardicore**

**secnix**

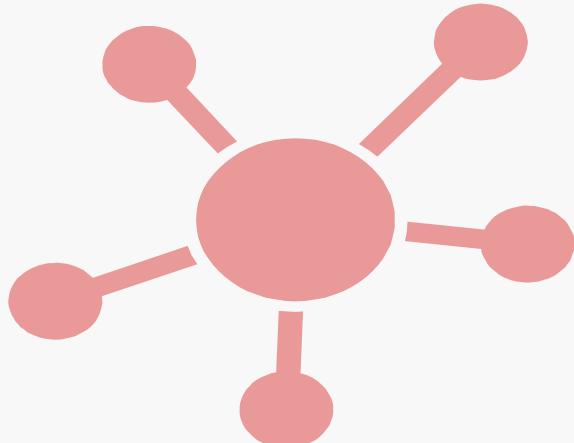


**Who: Customers, Contributors, Collaborators and Integrators**



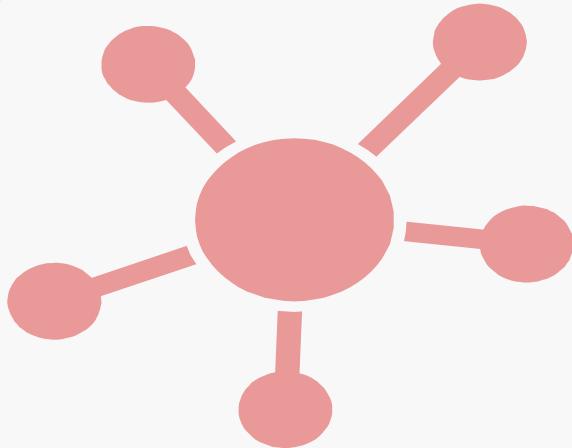
# So What is OpenShift Commons?

New Community Model + Communications Channel



# Commons as a Community Collaboration Model

New Community Model



Promote Peer-to-Peer Interactions



Building Data Streaming Platforms  
Using OpenShift and Kafka

Openshift @ Amadeus

Pierre Dor *Senior Architect*  
Nenad Bogojević *Senior Expert*  
Olivier Richaud *Senior Manager*

RED HAT OPENSHIFT

0:00 / 19:40

CC

OpenShift Commons Gathering at Red Hat Summit 2018 Amadeus Kafka on OpenShift Case Study

## OpenShift Commons Gathering at Red Hat Summit

OpenShift - 1 / 28



OpenShift Commons Gathering at  
Red Hat Summit 2018 Amadeus  
OpenShift



OpenShift Commons Gathering Red  
Hat Summit 2018 Community  
OpenShift



OpenShift Commons Gathering at  
Red Hat Summit 2018 UPS Case  
OpenShift



OpenShift Commons Gathering at  
Red Hat Summit 2018 Quay at Cisco  
OpenShift



OpenShift Commons Gathering at  
Red Hat Summit 2018 Syngenta  
OpenShift



OpenShift Commons Gathering at  
Red Hat Summit 2018 BMO Case  
OpenShift

Red Hat Enterprise Linux

What: Community-driven content generation ++

**OpenShiftCo...** 

Diane Mueller 

[Jump to...](#)

**All Unreads**

 [All Threads](#)

Channels 

- # austinkubeon
- # bigdata\_sig
- # david-cain
- # dotnet\_sig
- # edu\_sig
- # event
-  [event-logistics-team](#)
- # general**
- # gov\_sig
- # imagebuilder\_sig
- # london-meetup
- # londongathering2018
- # machinelearning\_sig
- # mobile\_sig
- # networking\_sig
- # openshift-copenhagen
- # openstack\_sig
- # operations\_sig**
- # random
- # security\_sig
- # storage\_sig

**#general**  950 |  4 | 5/31 9am Pacific > OpenShift Commons Briefing: OpenShift Service Mesh on M Monday, May 28th

**Yesterday**

 **Randy Morgan** 7:39 AM  
When I ran the upgrade from 3.7 to 3.9 the only way I could get the upgrade to run successfully was to set would really like to enable the service catalog, but I don't know if there is a way to do this without re-running enable the service catalog?

 **Paul Burstein** 8:18 AM  
joined #general.

 **Steven Barre** 9:25 AM  
[@Randy](#) </usr/share/ansible/openshift-ansible/playbooks/openshift-service-catalog>  
[https://docs.openshift.com/container-platform/3.9/upgrading/manual\\_upgrades.html#manual-upgrading-service-catalog](https://docs.openshift.com/container-platform/3.9/upgrading/manual_upgrades.html#manual-upgrading-service-catalog)

 **Ganesh Mangal** 9:26 AM  
joined #general along with shinji morimoto.

 **Randy Morgan** 10:23 AM  
Thanks Steven

 **Richard Nunez** 11:30 AM  
joined #general along with Danny Hemminga.

 **Alex Knol** 11:34 AM  
Question: are the Imagestreams deprecated in favour of the service catalog?

 **Marc Boorschtein** 12:23 PM  
[@E\\_lexy](#) different functions. Imagestream tracks ages, catalog is for templates/service broker templates

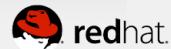
 **Gary Harris** 12:50 PM  
joined #general along with 10 others.

 **Larry Brigman** 10:57 PM  
[@dmueller](#) is the next gathering at KubeCon NA? If that is the plan, it looks like someone needs to send in

 [Message #general](#)

Upcoming Events						
< 2017 < APR		MAY 2018			JUN > 2019 >	
Month ▾						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
OpenShift Commons Hands-On Workshop – Copenhagen		1	2	3	4	5
		OpenShift @ Kubecon/EU – Copenhagen				6
OpenShift Commons Gathering – San Francisco	7	8	9	10	11	12
	OpenShift @ Red Hat Summit				13	
	14	15	Project Atomic Update: Upstream, Downstream and Container Acquisition with Jeff Ligon and Sanja Bonic (Red Hat) 8:00 am	16	OpenShift on OpenStack with Ramon Acosta Rodriguez (Red Hat) 9:00 am	17
	21	22	23	24	18	19
OpenShift @ OpenStack Summit						
		Operator Framework Deep Dive with Rob Szumski (Red Hat) 9:00 am	Lod Building Application with the OpenShift NGINX Router – Michael Pleshakov and Daniel Murray (Nginx) 9:00 am		25	26
	28	29	30	31		27
		OpenShift Service Mesh on Multi-Cloud Environments with Paul Pindell (F5 Networks) & Dave Cain (Red Hat) 9:00 am				

## **How: Gatherings, Briefings, SIGs, Slack and story-telling**





OpenShift

Overview



Git

Github PRs

Github Issues

Bugzilla

Mailing Lists

IRC

StackOverflow

Data Status

About

Powered by  
Grimoire Lab

Provided by  
Bitergia

GitHub

External Top Contributing Organizations



- Google, Inc.
- Microsoft
- Docker, Inc.
- IBM
- Amadeus
- CoreOS, Inc.
- Independent
- Getup Cloud
- ZTE Corporation
- VSHN AG
- eNovance
- cloudControl, Inc.
- AusNimbus
- Cisco
- Axa
- Canonical, Ltd.
- Nuage Networks
- globo.com
- Puzzle ITC
- Tigera
- Atlassian
- Tech-angels
- Cloudwerkstatt
- Google
- Safari.to
- Adobe
- Adorsys
- Ticketfly
- Bluescape
- CloudStrap.io
- CERN
- Pixar
- Tencent
- Comcast
- Uhuru Software, Inc.
- Barclays
- CA
- Connectifier
- Flux7
- Esri
- Others

Release  
Stein

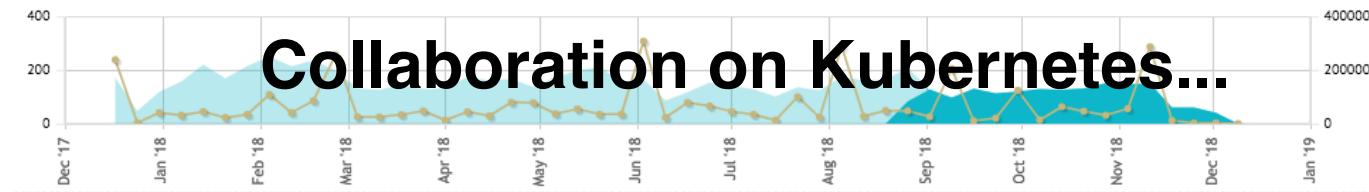
Project Type  
Kubernetes

Module  
kubernetes

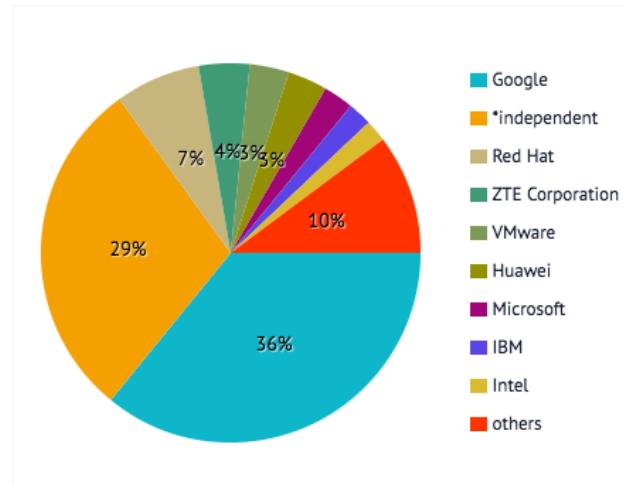
Company  
Any company

Contributor  
Any contributor

Metric  
Commits



## Contribution by companies



Show 10 entries

Search:

## Kubernetes

Repo: <git://github.com/kubernetes/kubernetes.git>

### Activity Log



**Satyadeep Musuvathy (Google)**

07 Dec 2018 23:30:47 UTC in **kubernetes**

Commit "Include BGPConfiguration"

Needed for calico 2.x to 3.x upgrade.

+15 - 0



**Antoine Pelisse (\*independent)**

07 Dec 2018 17:46:09 UTC in **kubernetes**

Commit "apply: fix detection of non-dry-run enabled servers"

Apply only checks that the server supports dry-run in the create path, not the update path, which is pretty bad.

+7 - 6



**Maciej Szulik (Red Hat)**

07 Dec 2018 13:33:04 UTC in **kubernetes**

Commit "Add failed and successful history limits to cronjob describe"

# KUBERNETES SIGs & WGs- ENGINEERING LEADERSHIP

RED HAT LEAD or CO-LEAD

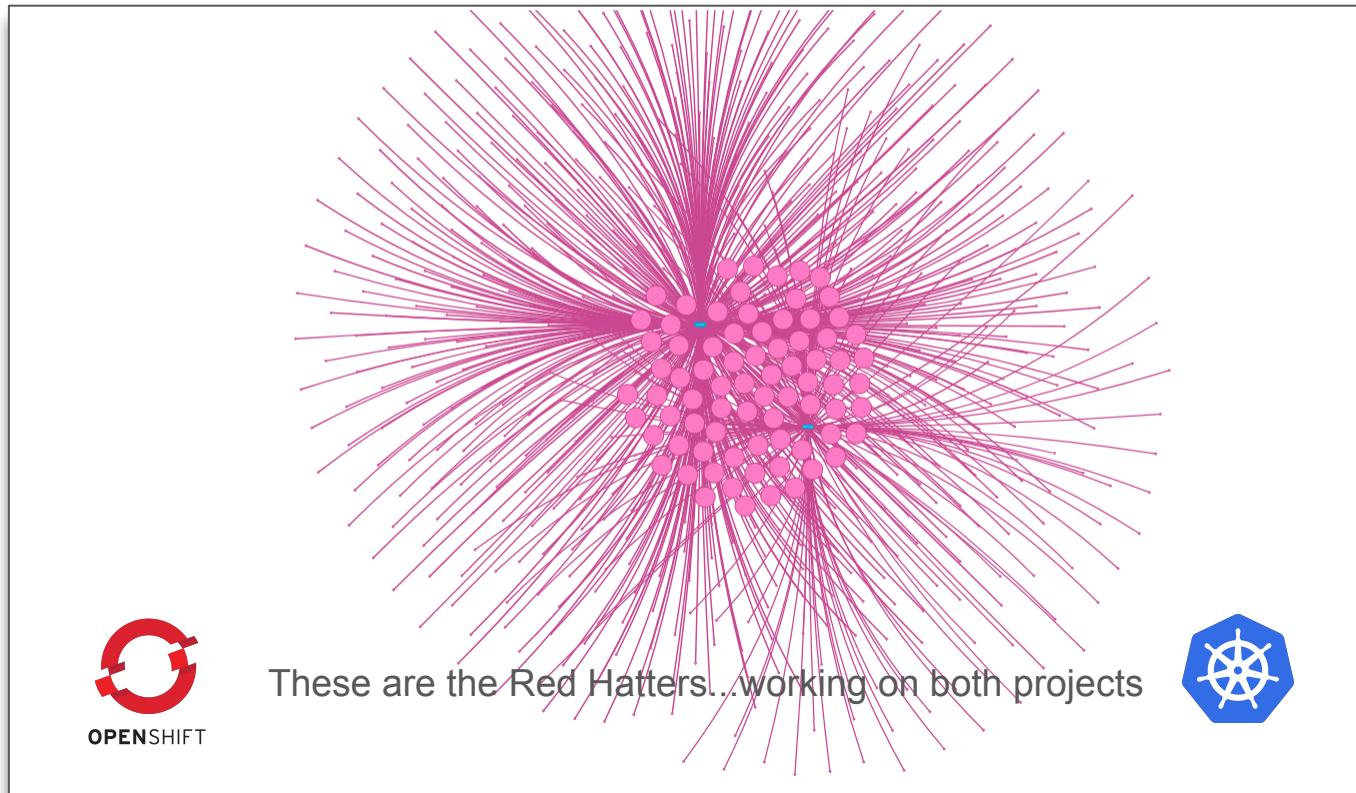
21 of 43  
GROUPS

API MACHINERY	APPS	ARCHITECTURE	AUTH	AUTO SCALING	AWS
AZURE	BIG DATA	CLI	CLOUD PROVIDER	CLUSTER LIFECYCLE	CLUSTER OPS
CONTRIBUTOR EXPERIENCE	DOCS	GCP	IBM CLOUD	INSTRUMENTATION	MULTICLUSTER
NODE	OPENSTACK	PRODUCT MANAGEMENT	RELEASE	SCALABILITY	SCHEDULING
SERVICE CATALOG	STORAGE	TESTING	UI	VMware	WINDOWS
APP DEF	APPLY	COMPONENT STANDARD	CONTAINER IDENTITY	IoT EDGE	K8S INFRASTRUCTURE
KUBEADM ADOPTION	MACHINE LEARNING	MULTI TENANCY	POLICY	RESOURCE MANAGEMENT	SECURITY AUDIT

# OpenShift & Kubernetes Cross Community Collaboration & Contribution Analysis

## Using Bitergia Analytics

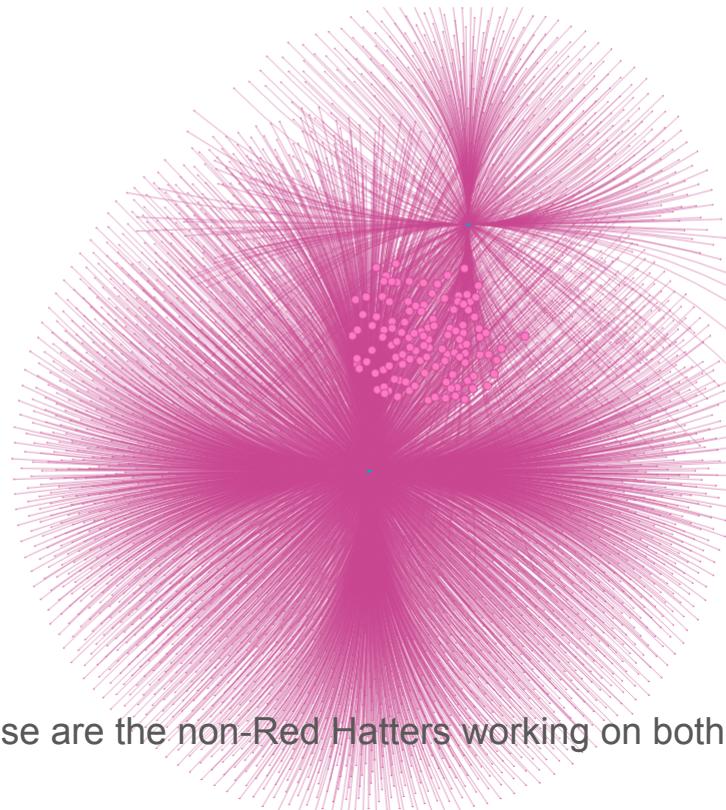
A screenshot of a web browser window titled "Kubernetes Bitergia Analytics". The URL is https://demokubernetes.biterg.io/app/kibana#/discover. The search bar contains "git\_openshift, kubernetes". The left sidebar has sections for "Discover", "Visualize", "Dashboard", "Timeline", "Dev Tools", and "Management". A red vertical bar highlights the search results area.



# OpenShift & Kubernetes Cross Community Collaboration & Contribution Analysis

## Using Bitergia Analytics

A screenshot of the Bitergia Analytics web interface. The left sidebar shows navigation options: Activities, Firefox Web Browser, Bitergia analytics, Kubernetes, Discover, Visualize, Dashboard, Timeline, Dev Tools, and Management. The main area shows a search bar with the query "git\_openshift,kubernetes". Below the search bar are sections for Metrics (Node Size selected), Aggregation (Unique Count), Field (project selected), and Custom Label. A "Data" button is also visible.



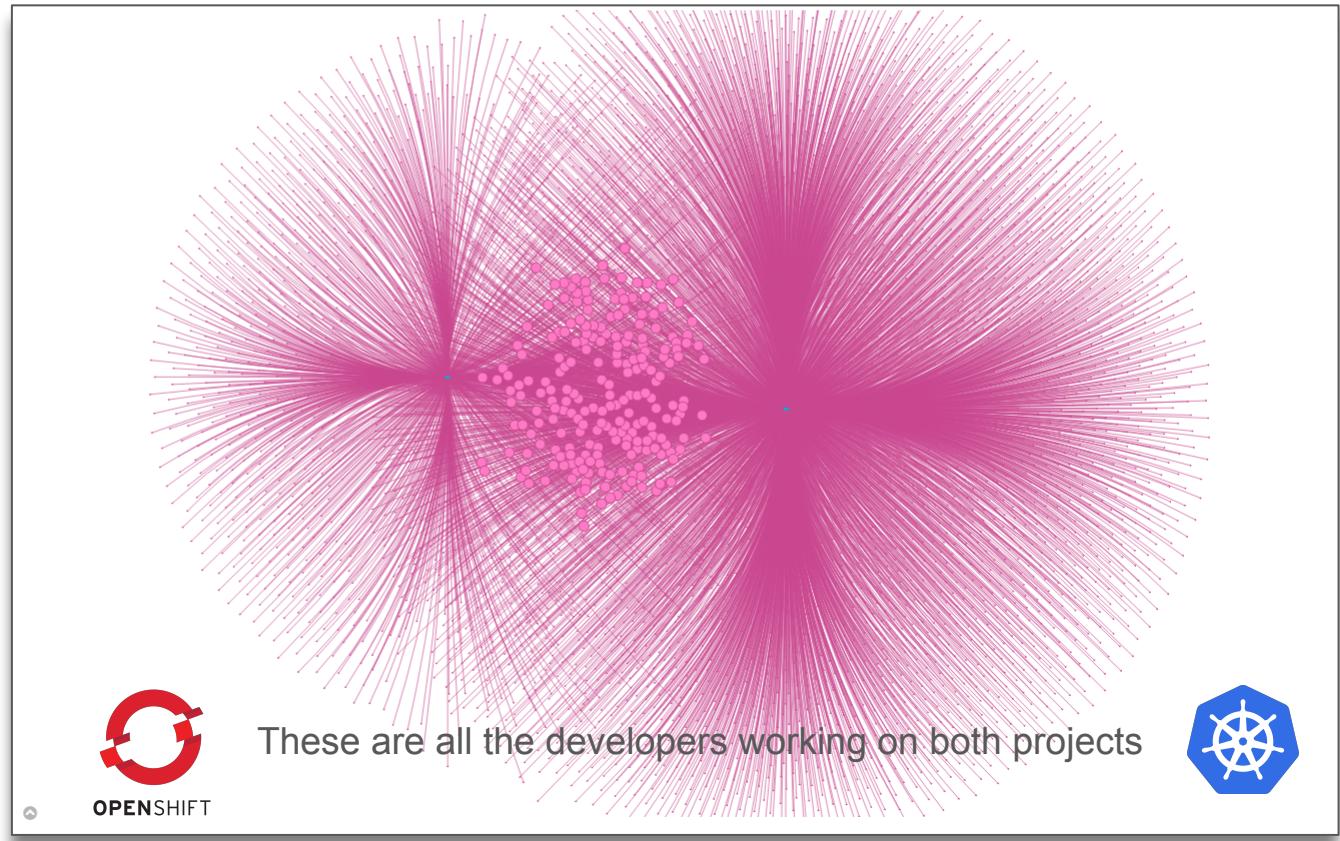
These are the non-Red Hatters working on both projects



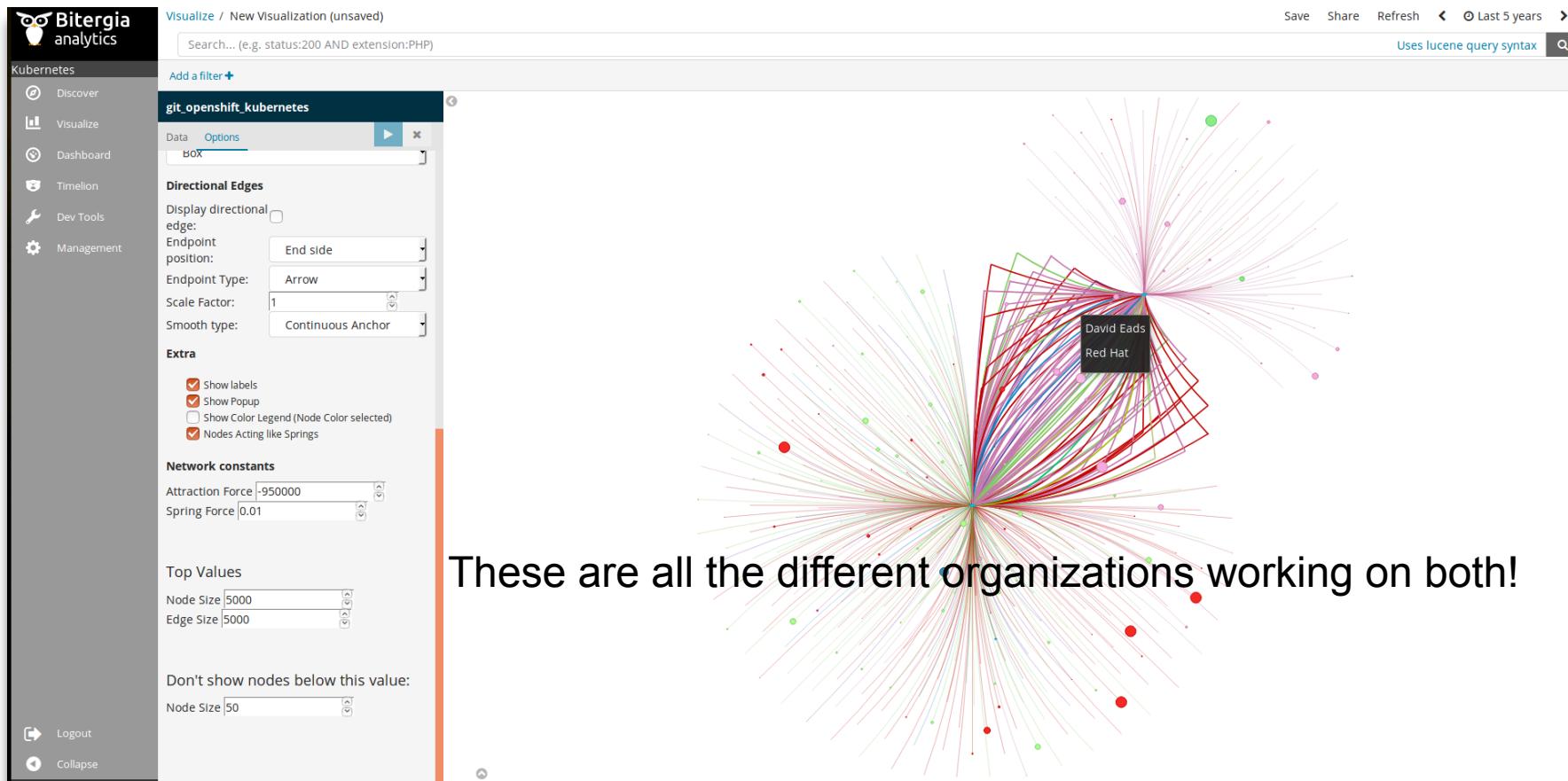
# OpenShift & Kubernetes Cross Community Collaboration & Contribution Analysis

## Using Bitergia Analytics

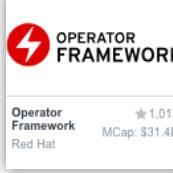
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# OpenShift & Kubernetes Cross Community Collaboration & Contribution Analysis



# The Future is all about Collaboration - Across Streams

 OpenTracing Distributed Tracing API 	 Fluentd Logging 	 gRPC Remote Procedure Call 	 containererd Container Runtime 	 rkt Container Runtime 	 CNI Networking API 	 OPERATOR FRAMEWORK Operator Framework Red Hat ★1.013 MCap: \$31.4B
 Jaeger Distributed Tracing 	 Notary Security 	 TUF Software Update Spec 	 Vitess Storage 	 CoreDNS Service Discovery 	 NATS Messaging 	 Kubernetes Orchestration 
 Linkerd Service Mesh 	 Helm Package Management 	 Rook Storage 	 Harbor Registry 	 Prometheus Monitoring 	 Envoy Service Proxy 	 redhat.

# The Future is all about Collaboration - With Peers





## OpenShift Commons

Commons builds connections and collaboration across OpenShift communities, projects and stakeholders. In doing so we'll enable the success of customers, users, partners, and contributors as we deepen our knowledge and experiences together.

Our goals go beyond code contributions. Commons is a place for companies using OpenShift to accelerate its success and adoption. To do this we'll act as resources for each other, share best practices and provide a forum for peer-to-peer communication.

### Join Now

\* First name

\* Last name

\* Work email

\* Company

**SUBMIT**

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crunchydata



dynatrace

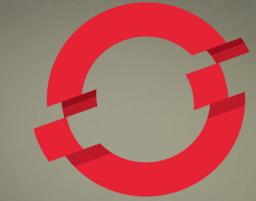


Microsoft

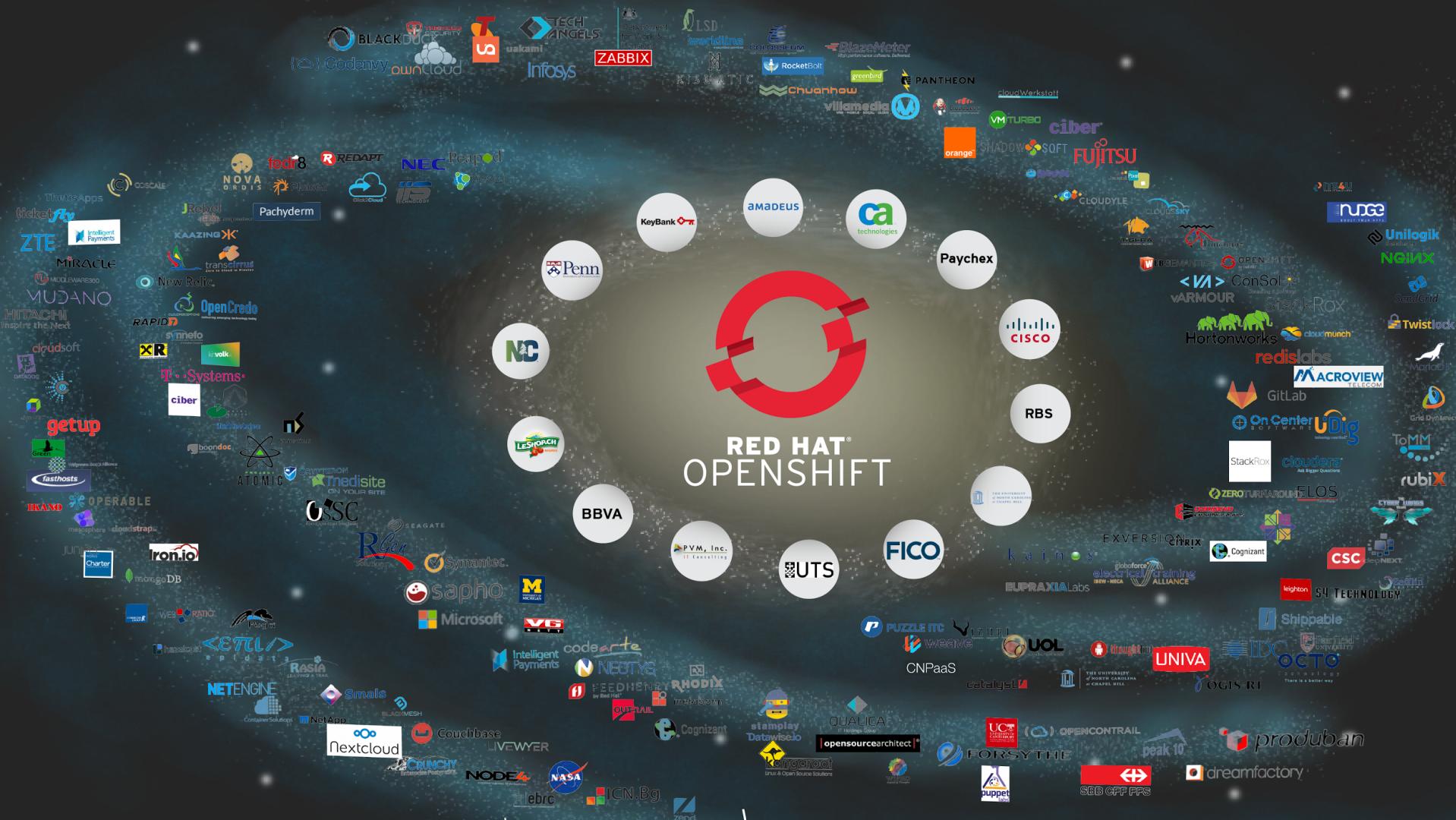


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# THANK YOU



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