



# Kubernetes Web UIs

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~~Sr. Software~~ **YAML** Engineer

Meltwater (Gothenburg, SE)



# yaml.engineering



Photo by leodido



30000+ customers

1500+ employees

55 global offices

Founded 2001 in Oslo

9+ engineering offices (7+ countries)

330+ engineers in 50+ teams

Kubernetes in prod since early 2018



```
//fires the appear event when appropriate
var check = function() {
    //is the element hidden?
    if (!t.is(':visible')) {
        //it became hidden
        t.appeared = false;
        return;
    }

    //is the element inside the visible window?
    var a = w.scrollLeft();
    var b = w.scrollTop();
    var o = t.offset();
    var x = o.left;
    var y = o.top;

    var ax = settings.accX;
    var ay = settings.accY;
    var th = t.height();
    var wh = w.height();
    var tw = t.width();
    var vw = w.width();

    if (y + th + ay >= b &&
        y <= b + wh + ay &&
        x + tw + ax >= a &&
        x <= a + vw + ax) {
        //trigger the custom event
        if (!t.appeared) t.trigger('appear', settings.data);
    } else {
        //it scrolled out of view
        t.appeared = false;
    }
};

//create a modified fn with some additional logic
var modifiedFn = function() {
    //mark the element as visible
    t.appeared = true;
    //is this supposed to happen only once?
    if (settings.one) {
        //remove the check
        w.unbind('scroll', check);
        var i = $.inArray(check, $fn.appear.checks);
        if (i >= 0) $fn.appear.checks.splice(i, 1);
        if (i >= 0)
            $fn.appear.checks[i] = modifiedFn;
    }
    //trigger the original fn
    fn.apply(this, arguments);
};

w.bind('scroll', modifiedFn);
w.bind('appear', settings.data, modifiedFn);
if (settings.one) t.one('appear', settings.data, modifiedFn);
```



# Foundation Kubernetes Service



```
$ kubectl get deployment,service,configmap
```

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
deployment.extensions/bravo-gasthear	1/1	1	1	10h

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
service/bravo-gasthear	ClusterIP	10.107.214.74	<none>	8080/TCP	10h

NAME	DATA	AGE
configmap/bravo-foo	2	10h

```
$ kubectl describe deployment
Name:           bravo-gasthear
Namespace:      bravo
CreationTimestamp:  Wed, 04 Sep 2019 21:54:13 +0200
Labels:         app=gasthear
Annotations:    deployment.kubernetes.io/revision: 1
                kubectl.kubernetes.io/last-applied-configuration:
                  {"apiVersion":"apps/v1","kind":"Deployment","metadata":{"annotations":{"owner":"f@ederi.co"},"labels":{"app":"gasthear"}}
e":"bravo-gas...
                owner: f@ederi.co
Selector:       app=gasthear
Replicas:       1 desired | 1 updated | 1 total | 1 available | 0 unavailable
StrategyType:   RollingUpdate
MinReadySeconds: 0
RollingUpdateStrategy: 25% max unavailable, 25% max surge
Pod Template:
  Labels:     app=gasthear
  Annotations: owner: f@ederi.co
  Containers:
    gasthear:
      Image:      recollir/gasthear:1
      Port:       8080/TCP
      Host Port:  0/TCP
      Environment: <none>
      Mounts:     <none>
      Volumes:    <none>
  Conditions:
    Type        Status  Reason
    ----        -----  -----
    Available   True    MinimumReplicasAvailable
    Progressing True    NewReplicaSetAvailable
```

## Overview

## Workloads

- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

## Discovery and Load Balancing

- Ingresses
- Services

## Config and Storage

- Config Maps
- Persistent Volume Claims
- Secrets
- Service Accounts

## Custom Resources

## RBAC

- Roles
- Role Bindings

## Events

## Cluster Overview

- Custom Resources
- RBAC

# Workloads

## Deployments

Name	Labels	Status	Age	Containers	Selector
bravo-gasthear	app:gasthear	1/1	10h	gasthear	app:gasthear

Items per page  1 - 1 of 1 items

## Pods

Name	Labels	Ready	Phase	Restarts	Node	Age
bravo-gasthear-8997b5f5d-dj4vv	app:gasthear	1/1	Running	0	kind-control-plane	10h

Items per page  1 - 1 of 1 items

## ReplicaSets

Name	Labels	Status	Age	Containers	Selector
bravo-gasthear-8997b5f5d	app:gasthear	1/1	10h	gasthear	app:gasthear

Items per page  1 - 1 of 1 items

# Kubernetes Web UIs

# kubernetes / dashboard



Watch ▾

241



5,856



1,481

[Code](#)[Issues 121](#)[Pull requests 10](#)[Actions](#)[Projects 0](#)[Wiki](#)[Security](#)[Insights](#)

General-purpose web UI for Kubernetes clusters

## ☰ Workloads

Cluster

Namespaces

Nodes

Persistent Volumes

Roles

Storage Classes

Namespace

bravo

Overview

Workloads

Cron Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

## Deployments

Name



bravo-gasthear

Labels

app: gasthear

Pods

1 / 1

Age

10 hours

Images

recollir/gasthear:1



## Pods

Name



bravo-gasthear-8997b5f5d-dj4vv

Node

kind-control-plane

Status

Running

Restarts

0

Age

10 hours



## Replica Sets

Name



bravo-gasthear-8997b5f5d

Labels

app: gasthear

pod-template-hash: 8997b5f.

Pods

1 / 1

Age

10 hours

Images

recollir/gasthear:1



# RBAC

# v1.10.1



maciaszczykm released this on 21 Dec 2018 · 516 commits to master since this release

## Changelog

---

- CVE-2018-18264: Fix security issue related to using Dashboard's Service Account ([#3400](#) and [#3289](#))
- Add new flag `--enable-skip-login` and disable `Skip` option on the login view by default
- Fix issue with closing terminal ([#3327](#))
- Fix saving Dashboard's settings into Config Maps without any data ([#3280](#))
- Update links on deploy view ([#3249](#))
- Minor performance enhancements and typography fixes

## Compatibility

---

Kubernetes version	1.8	1.9	1.10	1.11	1.12	1.13
Compatibility	✓	✓	✓	?	?	✗

## v2.0.0-beta1



floreks released this on 5 Jul · 129 commits to master since this release

### Compatibility

Kubernetes version	1.11	1.12	1.13	1.14	1.15
Compatibility	?	?	?	✓	?

## v2.0.0-beta4



floreks released this 7 days ago · 15 commits to master since this release

### Compatibility

Kubernetes version	1.11	1.12	1.13	1.14	1.15
Compatibility	?	?	?	?	✓

## [hjacobs / kube-ops-view](#)



Watch ▾

51



Unstar

1,114



Fork

150

 Code

 Issues 60

 Pull requests 1

 Security

 Insights

Kubernetes Operational View - read-only system dashboard for multiple K8s clusters <https://kubernetes-operational-view.r...>



@recollin

 herbrandson / k8dash



Watch ▾

17



Unstar

388



Fork

25

 Code

 Issues 5

 Pull requests 0

 Projects 0

 Wiki

 Security

 Insights

Simple Kubernetes realtime dashboard and management

@recollir

 Deployment • Backend • Auth



  
Pods

  
Requested CPU Use

  
Requested RAM Use

**Name:** auth  
**Namespace:** backend  
**Created:** 12/18/18 7:40am  
**Labels:** app=auth  
**Annotations:** deployment.kubernetes.io/revision=27  
kubeflow.kubernetes.io/label-applied=configuration-(appVersion=0.0.1)-(kind=Deployment)-method-(  
**Version:** 37995302

NAME	AGE	GENERATIONS	READY	
 auth-5b45d75	8 day	0	2/2	

NAME	AGE	NODE	STATUS	CONTAINERS	RESTARTS	CPU (mills on request)	RAM (mills on request)
 auth-5b45d75-5hq	8 day	ip-10-10-146-101.ec2.internal	Running	1	0	4.4%	48.4%
 auth-5b45d75-wdh	8 day	ip-10-10-124-1.ec2.internal	Running	1	0	10.6%	37.6%

TIME	REASON	MESSAGE
 13 minutes	ScalingReplicaSet	Scaled-up replica set auth-5b45d75 to 4
 11 minutes	ScalingReplicaSet	Scaled down replica set auth-5b45d75 to 2
 10 minutes	ScalingReplicaSet	Scaled up replica set auth-5b45d75 to 4

# smpio / kubernator



Watch ▾

14



Star

412



Fork

25

[Code](#)[Issues 19](#)[Pull requests 0](#)[Actions](#)[Projects 0](#)[Wiki](#)[Security](#)[Insights](#)

Alternative Kubernetes UI <https://hub.docker.com/r/smpio/kubern...>



Catalog

Rbac



[nonamespace]

bravo

ConfigMap

bravo-foo

Deployment

Endpoints

Pod

ReplicaSet

Secret

Service

ServiceAccount

default

kube-node-lease

kube-public

kube-system

kubernator

bravo • Deployment  
bravo-gasthearbravo • Pod  
bravo-gasthear-8997b5f5d-dj4vvbravo • Service  
bravo-gasthearbravo • ConfigMap  
bravo-foo

```
 1 1 apiVersion: apps/v1
 2 2 kind: Deployment
 3 3 metadata:
 4 4   annotations:
 5 5     deployment.kubernetes.io/revision: "1"
 6 6     kubectl.kubernetes.io/last-applied-configuration: |
 7 7       {"apiVersion":"apps/v1","kind":"Deployment","metadata":{"annotations":{"owner":"f@ederi.co"},"labels":{"app":"gasthear"}, "owner": f@ederi.co
 8 8     creationTimestamp: "2019-09-04T19:54:13Z"
 9 9   generation: 1
10 10  labels:
11 11    app: gasthear
12 12    name: bravo-gasthear
13 13    namespace: bravo
14 14    resourceVersion: "661"
15 15    selfLink: /apis/apps/v1/namespaces;bravo/deployments;bravo-gasthear
16 16    uid: 3c67fe54-5f47-4514-9609-382c4b631926
17 17  spec:
18 18    progressDeadlineSeconds: 600
19 19    replicas: 1
20 20 -   replicas: 2
21 21 +   replicas: 2
21 21    revisionHistoryLimit: 10
22 22    selector:
23 23      matchLabels:
24 24        app: gasthear
25 25    strategy:
26 26      rollingUpdate:
27 27        maxSurge: 25%
28 28        maxUnavailable: 25%
29 29        type: RollingUpdate
```



Watch ▾

55



Star 1,548



Fork 267

Code

Issues 102

Pull requests 5

Projects 1

Wiki

Security

Insights

A web-based UI for deploying and managing applications in Kubernetes clusters <https://kubeapps.com>

@recollir



# Applications

 search apps... Show deleted apps[Deploy App](#)

## Supercharge your Kubernetes cluster

Deploy applications on your Kubernetes cluster with a single click.



Made with by Bitnami and [contributors](#).





Name

Namespace

Values (YAML)

```
1- ## Bitnami MariaDB image version
2- ## ref: https://hub.docker.com/r/bitnami/mariadb/tags/
3-
4- ## Default: none
5- image: bitnami/mariadb:10.1.31-r0
6-
7- ## Specify an imagePullPolicy (Required)
8- ## It's recommended to change this to 'Always' if the image tag is 'latest'
9- ## ref: http://kubernetes.io/docs/user-guide/images/#updating-images
10- imagePullPolicy: IfNotPresent
11-
12- ## Use password authentication
13- usePassword: true
14-
15- ## Specify password for root user
16- ## Defaults to a random 10-character alphanumeric string if not set and usePassword is true
17- ## ref: https://github.com/bitnami/bitnami-docker-mariadb/blob/master/README.md#setting-the-root-password
18-
19- # mariadbRootPassword:
20-
21- ## Create a database user
22- ## Password defaults to a random 10-character alphanumeric string if not set and usePassword is true
23- ## ref: https://github.com/bitnami/bitnami-docker-mariadb/blob/master/README.md#creating-a-database-user
24-
25- # mariadbUser:
26- # mariadbPassword:
27-
28- ## Create a database
29- ## ref: https://github.com/bitnami/bitnami-docker-mariadb/blob/master/README.md#creating-a-database-on-f
30-
31- # mariadbDatabase:
```

## FairwindsOps / polaris



Watch ▾

28



Star 917



Fork 40

Code

Issues 12

Pull requests 1

Projects 1

Wiki

Security

Insights

Validation of best practices in your Kubernetes clusters <https://www.fairwinds.com/polaris>

## Cluster Overview

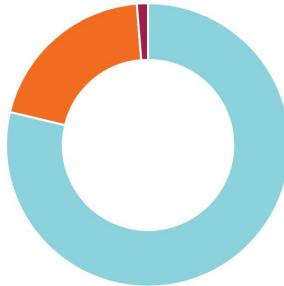


Mostly smooth sailing

Grade: **B+**

Score: **87%**

Score is the percentage of passing checks. Warnings get half the weight of errors.



- ✓ 311 checks passed
- ⚠ 79 checks had warnings
- ✗ 5 checks had errors

Kubernetes Version: 1.11+ Nodes: 1 Pods: 23 Namespaces: 8

## Results by Category

▶ **Health Checks** Score: 73%



▶ **Images** Score: 88%



▶ **Networking** Score: 97%



▶ **Resources** Score: 85%



▶ **Security** Score: 89%



## Namespace: **polaris**

Deployment: **polaris-dashboard**



Pod Spec:

- ✓ Host IPC is not configured ⓘ
- ✓ Host PID is not configured ⓘ

# [hjacobs / kube-resource-report](#)



Watch ▾

8



Unstar

308



Fork

35

 Code

 Issues 23

 Pull requests 0

 Security

 Insights

Report Kubernetes cluster and pod resource requests vs usage and generate static HTML

CLUSTERS

**1**

WORKER NODES

**1**

TEAMS

**0**

APPLICATIONS

**4**

PODS

**14**

MONTHLY COST

**0.00 USD**

You can potentially save **0.00 USD** every month by optimizing resource requests and reducing slack.

### CPU

0.0 used



### Memory

0 Bytes used



### Resource-based Pricing

Price per vCPU is 0.0000 USD per hour and per GiB memory is 0.0000 USD per hour.

### Notifications

No warnings or errors to report.

# Cluster docker-for-mac-localhost:8001

http://docker.for.mac.localhost:8001

MASTER NODES

0

WORKER NODES

1

PODS

14

CPU REQUESTS / ALLOCATABLE

0.8 / 4.0

MEMORY REQUESTS / ALLOCATABLE

190.0 MiB / 5.8 GiB

MONTHLY COST

0.00 USD

You can potentially save **0.00 USD** every month by optimizing resource requests and reducing slack.

Price per requested vCPU is 0.0000 USD per hour and per requested GiB memory is 0.0000 USD per hour.

## Nodes

Name	Role	Instance Type	S?	Version	CC	MC	CPU	Memory (GiB)	Cost	
kind-control-plane	worker	unknown		v1.15.3	4	5.8 GiB	<div style="width: 0%;"><div style="width: 0.8%;">0.8</div></div> 4	<div style="width: 0%;"><div style="width: 0.2%;">0.2</div></div> 0.2	5.8	0.00

## Ingresses

Namespace	Name	Application	Host	Status
-----------	------	-------------	------	--------

## Namespaces

ID	A?	P	CR	MR	CPU	Memory (MiB)	Cost	Slack Cost
bravo	<input checked="" type="checkbox"/>	1	0.0	0 Bytes	<div style="width: 0%;"><div style="width: 0.0%;">0.0</div></div> 0	<div style="width: 0%;"><div style="width: 0%;">0</div></div> 0	0.00	0.00
kube-system	<input checked="" type="checkbox"/>	12	0.85	190.0 MiB	<div style="width: 100%;"><div style="width: 0.85%;">0.85</div></div> 0	<div style="width: 100%;"><div style="width: 190%;">190</div></div> 190	0.00	0.00
kubernator	<input checked="" type="checkbox"/>	1	0.0	0 Bytes	<div style="width: 0%;"><div style="width: 0.0%;">0.0</div></div> 0	<div style="width: 0%;"><div style="width: 0%;">0</div></div> 0	0.00	0.00

# All Namespaces



ID	A?	Cluster	P	CR	MR	CPU	Memory (MiB)	Cost	Slack Cost
bravo	<input checked="" type="checkbox"/>	<a href="#">docker-for-mac-localhost:8001</a>	1	0.0	0 Bytes	<div style="width: 0%;">0</div>	<div style="width: 0%;">0</div>	0	0.00
kube-system	<input checked="" type="checkbox"/>	<a href="#">docker-for-mac-localhost:8001</a>	12	0.85	190.0 MiB	<div style="width: 0.85%;">0</div>	<div style="width: 190%;">0</div>	190	0.00

## Application gasthear

owned by team

CLUSTERS

1

PODS

1

CPU REQUESTS

0.0

MEMORY REQUESTS

0 Bytes

MONTHLY COST

0.00 USD

You can potentially save **0.00 USD** every month by optimizing resource requests and reducing slack.

## Ingresses

Cluster	Namespace	Name	Host	Status

## Pods

Cluster	Namespace	Component	Name	Cont.	CR	MR	CPU	Memory (MiB)	Cost
<a href="#">docker-for-mac-localhost:8001</a>	bravo		bravo-gasthear-8997b5f5d-dj4vv	1	0.0	0 Bytes	<div style="width: 0%;">0</div>	<div style="width: 0%;">0</div>	0.00



hjacobs / kube-web-view

Watch

5

Star

9

Fork

2

Code

Issues 35

Pull Requests 0

Releases 36

Activity

Kubernetes Web View to list and view all Kubernetes resources <https://kube-web-view.readthedocs.io/>

python

kubernetes

ui

@recollier

Clusters None ▾

S

CLUSTER RESOURCES

local

Namespaces

## local

Nodes

PersistentVolumes

API URL: https://10.43.0.1:443

META

### Namespaces

Resource Types

	Name	Labels	Created
<input type="checkbox"/>	default		2019-07-27 14:41:52
<input type="checkbox"/>	kube-node-lease		2019-07-27 14:41:53
<input type="checkbox"/>	kube-public		2019-07-27 14:41:53
<input type="checkbox"/>	kube-system		2019-07-27 14:41:53

 Search in selected namespaces

### Cluster Resource Types

Kind	Plural	Version
APIService	apiservices	apiregistration.k8s.io/v1
APIService	apiservices	apiregistration.k8s.io/v1beta1
CSIDriver	csidrivers	storage.k8s.io/v1beta1
CSINode	csinodes	storage.k8s.io/v1beta1
CertificateSigningRequest	certificatesigningrequests	certificates.k8s.io/v1beta1
ClusterRole	clusterroles	rbac.authorization.k8s.io/v1
ClusterRole	clusterroles	rbac.authorization.k8s.io/v1beta1
ClusterRoleBinding	clusterrolebindings	rbac.authorization.k8s.io/v1

CLUSTER RESOURCES	
Namespaces	
Nodes	
PersistentVolumes	
CONTROLLERS	
Deployments	
CronJobs	
Jobs	
DaemonSets	
StatefulSets	
POD MANAGEMENT	

local / kube-system / deployments

## Deployments



	Name	Application	Ready	Up-to-date	Available	Age	Containers	Images	Selector	Created
Deployments	coredns		1/1	1	1	39d	coredns	coredns/coredns:1.3.0	k8s-app=kube-dns	2019-07-27 14:41:55
	metrics-server		1/1	1	1	39d	metrics-server	k8s.gcr.io/metrics-server-amd64:v0.3.3	k8s-app=metrics-server	2019-07-27 14:43:17
	traefik		1/1	1	1	39d	traefik	traefik:1.7.9	app=traefik,release=traefik	2019-07-27 14:42:47

Show deployments across all namespaces

CLUSTER RESOURCES

local / kube-system / all

Namespaces

Nodes

PersistentVolumes

CONTROLLERS

Deployments

CronJobs

Jobs

DaemonSets

StatefulSets

POD MANAGEMENT

Ingresses

Services

Pods

ConfigMaps

META

Resource Types

Events

## Pods

Label Columns

Labels to show as columns (comma separated) or '\*' to show all labels

Label Selector

Label selector (label=value)

Filter

Filter by any column (Column=value) or text

Submit

Show CPU/Memory Usage

Name	Application	Ready	Status	Restarts	Age	IP	Node	Nominated Node	Readiness Gates	Created
coredns-b7464766c-7cfch		1/1	Running	0	39d	10.42.0.3	k3s-demo	<none>	<none>	2019-07-27 14:42:13
helm-install-traefik-dj6z4		0/1	Completed	0	39d	10.42.0.2	k3s-demo	<none>	<none>	2019-07-27 14:42:13
metrics-server-7cffff65bc-tfc29		1/1	Running	0	39d	10.42.0.7	k3s-demo	<none>	<none>	2019-07-27 14:43:18
svclb-traefik-64c6q		2/2	Running	0	39d	10.42.0.4	k3s-demo	<none>	<none>	2019-07-27 14:42:48
traefik-56688c4464-zsqjx		1/1	Running	0	39d	10.42.0.11	k3s-demo	<none>	<none>	2019-07-27 15:12:16

## Services

Name	Type	Cluster-IP	External-IP	Port(s)	Age	Selector	Created
kube-dns	ClusterIP	10.43.0.10	<none>	53/UDP,53/TCP,9153/TCP	39d	k8s-app=kube-dns	2019-07-27 14:41:55
metrics-server	ClusterIP	10.43.229.254	<none>	443/TCP	39d	k8s-app=metrics-server	2019-07-27 14:43:17
traefik	LoadBalancer	10.43.233.172	159.69.41.82	80:30967/TCP,443:30384/TCP	39d	app=traefik,release=traefik	2019-07-27 14:42:47

 harbur / kubernetic



Watch

13



Star

143



Fork

12

 Code

 Issues 60

 Pull requests 0

 Actions

 Projects 0

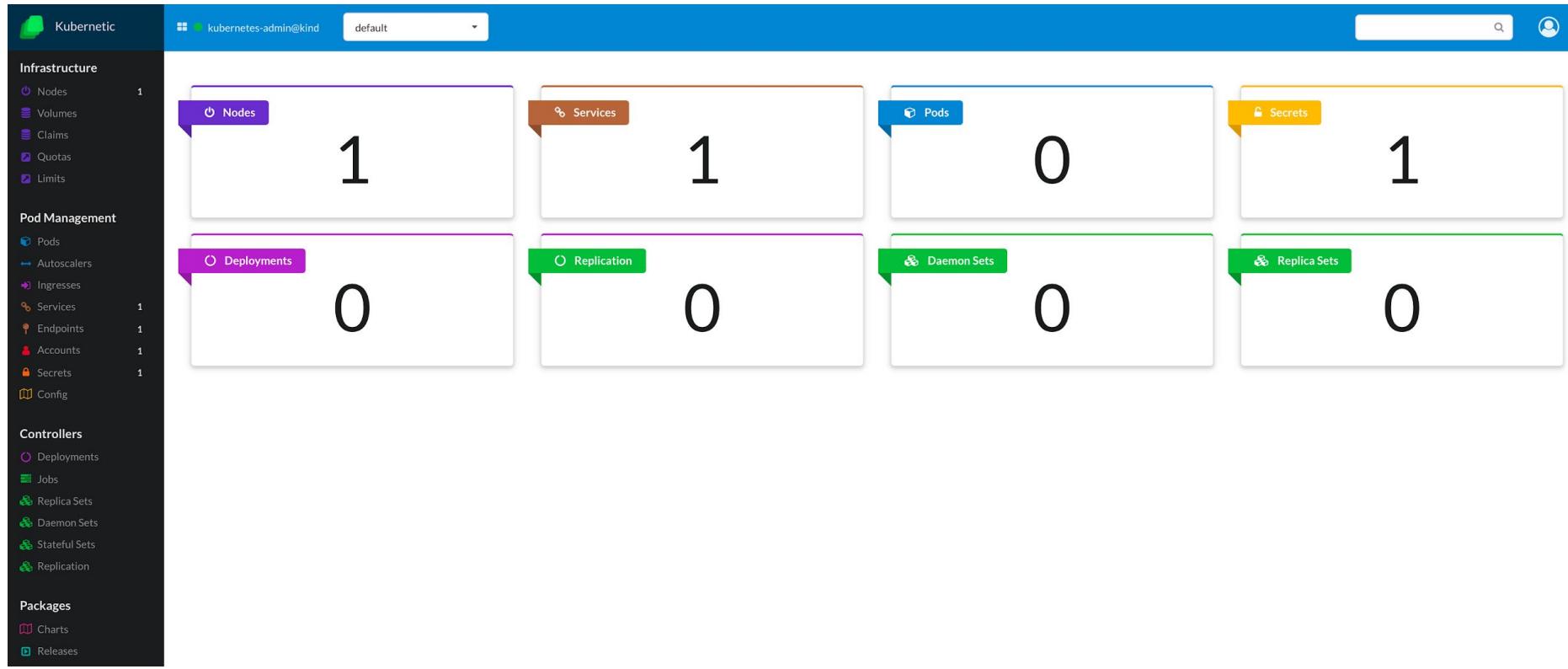
 Wiki

 Security

 Insights

Kubernetic - The Kubernetes Desktop Client <https://kubernetic.com>

@recollir



@recollier

Kubernetic

kubernetes-admin@kind All

Infrastructure

- Nodes 1
- Volumes
- Claims
- Quotas
- Limits

Pod Management

- Pods 13
- Autoscalers
- Ingresses
- Services 7
- Endpoints 9
- Accounts 35
- Secrets 43
- Config 7

Deployments 6

<input type="checkbox"/> NAME ▾	TYPE	READY	STATUS	AGE
<input type="checkbox"/> bravo-gasthear	Deployment	<div style="width: 100%;">1/1</div>	<div style="border: 1px solid #ccc; border-radius: 50%; padding: 2px;">1</div>	14 hours ago
<input type="checkbox"/> coredns	Deployment	<div style="width: 100%;">2/2</div>	<div style="border: 1px solid #ccc; border-radius: 50%; padding: 2px;">1.3.1</div>	14 hours ago
<input type="checkbox"/> k8dash	Deployment	<div style="width: 100%;">1/1</div>	<div style="border: 1px solid #ccc; border-radius: 50%; padding: 2px;">latest</div>	3 hours ago
<input type="checkbox"/> kubernator	Deployment	<div style="width: 100%;">1/1</div>	<div style="border: 1px solid #ccc; border-radius: 50%; padding: 2px;">latest</div>	2 hours ago
<input type="checkbox"/> kubernetes-dashboard	Deployment	<div style="width: 100%;">1/1</div>	<div style="border: 1px solid #ccc; border-radius: 50%; padding: 2px;">v1.10.1</div>	3 hours ago
<input type="checkbox"/> metrics-server	Deployment	<div style="width: 100%;">1/1</div>	<div style="border: 1px solid #ccc; border-radius: 50%; padding: 2px;">v0.3.4</div>	3 hours ago

Kubernetic

kubernetes-admin@kind

All

### Pods > bravo-gasthear-8997b5f5d-dj4vv

Status Specifications View Labels Logs

Start Time:	2019-09-04T19:54:14Z	Created:	2019-09-04T19:54:13Z
Status:	Running	Namespace:	bravo
DNS Policy:	ClusterFirst	Pod IP:	10.244.0.4
Restart Policy:	Always	Node:	kind-control-plane
Service Account:	default	Host IP:	172.17.0.2
Service Account Name:	default		
Termination Grace Period:	30 seconds		
Image(s):	recollir/gasthear:1		

**Infrastructure**

- Nodes 1
- Volumes
- Claims
- Quotas
- Limits

**Pod Management**

- Pods** 13
- Autoscalers
- Ingresses
- Services 7
- Endpoints 9
- Accounts 35
- Secrets 43
- Config 7

 [vmware / octant](#)



Watch ▾

43

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2,377



118

 Code

 Issues 66

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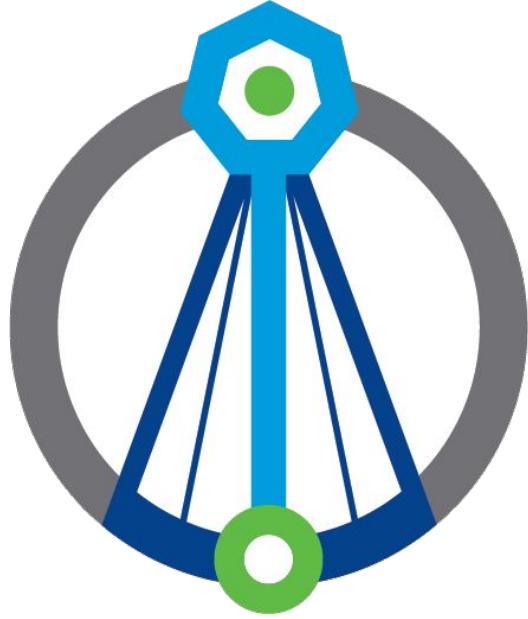
 Wiki

 Security

 Insights

A web-based, highly extensible platform for developers to better understand the complexity of Kubernetes clusters.

@recollir



OCTANT

```
federico fhmwlaptop:~/work/webui (⎈ | kubernetes-admin@kind:kube-system)
$ octant
```



Octant

bravo

Filter by labels

kubernetes-admin@kind

## Overview

### Workloads

- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

### Discovery and Load Balancing

- Ingresses
- Services

### Config and Storage

- Config Maps
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### Custom Resources

### RBAC

- Roles
- Role Bindings

### Events

### Cluster Overview

#### Custom Resources

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- Cluster Role Bindings

### Nodes

## Overview

### Deployments

Name	Labels	Status	Age	Containers	Selector
bravo-gasthear	app:gasthear	1/1	14h	gasthear	app:gasthear

Items per page 10 1 - 1 of 1 items

### Pods

Name	Labels	Ready	Phase	Restarts	Node	Age
bravo-gasthear-8997b5f5d-dj4vv	app:gasthear	1/1	Running	0	kind-control-plane	14h

Items per page 10 1 - 1 of 1 items

### ReplicaSets

Name	Labels	Status	Age	Containers	Selector
bravo-gasthear-8997b5f5d	app:gasthear	1/1	14h	gasthear	app:gasthear

Items per page 10 1 - 1 of 1 items

### Services

Name	Labels	Type	Cluster IP	External IP	Target Ports	Age	Selector
bravo-gasthear		ClusterIP	10.97.0.14		80:80/TCP	44h	

## Overview

## Workloads

Cron Jobs

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Deployments

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## Events

## Deployment / coredns

Summary

Resource Viewer

YAML

## Configuration

Deployment Strategy

RollingUpdate

Rolling Update Strategy

Max Surge 25%, Max Unavailable 1

Selectors

k8s-app:kube-dns

Min Ready Seconds

0

Revision History Limit

10

Replicas

2

EDIT

## Status

Available Replicas

2

Ready Replicas

2

Total Replicas

2

Unavailable Replicas

0

Updated Replicas

2

## Metadata

Age

14h

Labels

k8s-app:kube-dns

Annotations

deployment.kubernetes.io/revision

1

vm Octant

kube-system Filter by labels

kubernetes-admin@kind

Overview Workloads Cron Jobs Daemon Sets Deployments Jobs Pods Replica Sets Replication Controllers Stateful Sets Discovery and Load Balancing Ingresses Services Config and Storage Config Maps Persistent Volume Claims Secrets Service Accounts Custom Resources RBAC Roles Role Bindings Events Cluster Overview Custom Resources RBAC Cluster Roles Cluster Role Bindings Nodes

## Pod / coredns-5c98db65d4-9p857

Summary Resource Viewer YAML Logs

### Configuration

Priority	2000000000
PriorityClassName	system-cluster-critical
Service Account	coredns

### Status

QoS	Burstable
Phase	Running
Pod IP	10.244.0.3
Host IP	172.17.0.2

### Metadata

Age	14h
Labels	k8s-app:kube-dns
Controlled By	coredns-5c98db65d4

### Pod Conditions

Type	Last Transition Time	Message	Reason
Initialized	14h		
Ready	14h		
ContainersReady	14h		
PodScheduled	14h		

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Octant

kube-system

Filter by labels

kubernetes-admin@kind

Overview

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## Pod / coredns-5c98db65d4-9p857

Summary Resource Viewer YAML Logs

Choose a container:

coredns ▾

Display timestamp

```
[September 4, 2019 at 9:46:56 PM      .:53
GMT+2]
[September 4, 2019 at 9:46:56 PM      2019-09-04T19:46:56.516Z [INFO] CoreDNS-1.3.1
GMT+2]
[September 4, 2019 at 9:46:56 PM      2019-09-04T19:46:56.516Z [INFO] linux/amd64, go1.11.4, 6b56a9c
GMT+2]
[September 4, 2019 at 9:46:56 PM      CoreDNS-1.3.1
GMT+2]
[September 4, 2019 at 9:46:56 PM      linux/amd64, go1.11.4, 6b56a9c
GMT+2]
[September 4, 2019 at 9:46:56 PM      2019-09-04T19:46:56.516Z [INFO] plugin/reload: Running configuration MD5 = 5d5369fbc12f985709b924e721217843
GMT+2]
```

vm Octant

bravo

Filter by labels

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Nodes

## Deployment / bravo-gasthear

Summary Resource Viewer YAML

```
graph TD; A[bravo-gasthear v1 Service] --> B[bravo-gasthear-8997b5f5d pods v1 Pod]; B --> C[default v1 ServiceAccount]; B --> D[bravo-gasthear-8997b5f5d extensions/v1beta1 ReplicaSet]; D --> E[bravo-gasthear apps/v1 Deployment]
```



vmware / octant



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Fork

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Wiki

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A web-based, highly extensible platform for developers to better understand the complexity of Kubernetes clusters.



hjacobs / kube-web-view



Watch

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Star

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Code

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Pull Requests 0

Releases 36

Activity

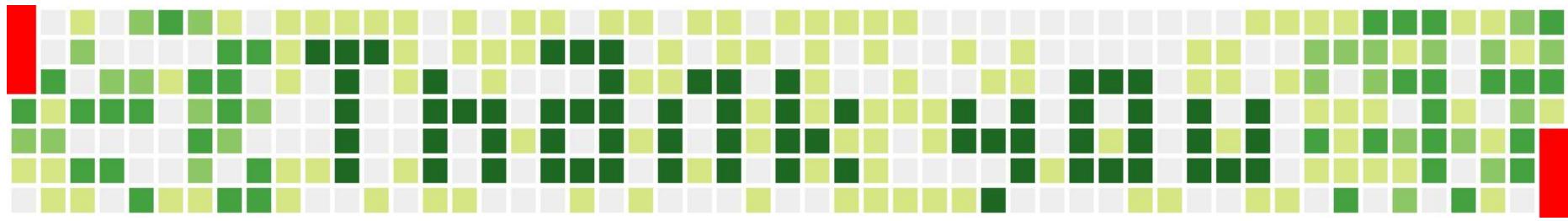
Kubernetes Web View to list and view all Kubernetes resources <https://kube-web-view.readthedocs.io/>

python

kubernetes

ui

@recollir



Federico Hernandez  
@recollar