

# Atividades em Aula – OpenSHIFT

Projetos iniciados, mas o uso oficial foi com o [rm-343165valber](#)

## Projects

Create Project

Name	Display Name	Status	Requester	Created
<a href="#">PR rm-343165</a>	No display name	Active	hqnnld	Jul 6, 9:01 pm
<a href="#">PR rm-343165valber</a>	Valber Cerqueira	Active	hqnnld	Jul 10, 11:36 am

PR rm-343165valber

Active

Actions

Overview

Details

YAML

Workloads

Role Bindings

Details

Name

rm-343165valber

Requester

hqnnld

Labels

No labels

Description

FIAP

Inventory

1 Deployment

1 Deployment Config

0 Stateful Sets

8 Pods

2 PVCs

2 Services

1 Route

3 Config Maps

12 Secrets

Status

Active

Utilization

Resource	Usage	17:45	18:00	18:15	18:30
CPU	3,52m	4m	2m		
Memory	262,2 MiB	300 MiB	200 MiB	100 MiB	
Filesystem	948 KiB	1000 KiB	500 KiB		
Network Transfer	218 Bps in 119,4 Bps out	400 Bps	300 Bps	200 Bps	100 Bps
Pod count	8	10	5		

Resource Quotas

No resource quotas

Activity

View events

Ongoing

There are no ongoing activities.

Recent Events

Pause

18:38 [PVC](#) waiting for first consumer to be created...

## Horizontal Pod Autoscalers

Project: rm-343165valber

Horizontal Pod Autoscalers

Horizontal Pod Autoscaler Details

[HPA](#) hpa-343165

Details

YAML

Events

Horizontal Pod Autoscaler Details

Name

hpa-343165

Namespace

[NS](#) rm-343165valber

Labels

No labels

Edit

Annotations

1 Annotation

Created At

Jul 10, 12:09 pm

Owner

No owner

Scale Target

[blog-django-py](#)

Min Replicas

3

Max Replicas

10

Last Scale Time

Jul 10, 1:39 pm

Current Replicas

5

Desired Replicas

5

Metrics

Type	Current	Target
resource cpu (as a percentage of request)	0%	20%

## Deployment Configs

Project: rm-343165valber

[Details](#) | [YAML](#) | [Replication Controllers](#) | [Pods](#) | [Environment](#) | [Events](#)

Deployment Config Details

1 pod

^  
v

Name

sample-database

Namespace

NS

rm-343165valber

Labels

app=sample-database

app.kubernetes.io/component=sample-database

app.kubernetes.io/instance=sample-database

template=postgresql-persistent-template

Pod Selector

Q

name=sample-database

Node Selector

No selector

Tolerations

0 Tolerations

Annotations

2 Annotations

Status

Up to date

Created At

Jul 10, 1:06 pm

Owner

No owner

Latest Version

1

Message

config change

Update Strategy

Recreate

Min Ready Seconds

Not Configured

Triggers

ImageChange, ConfigChange

























SECRETS

## Secrets

Filter

Name

Search by name...

Name	Type	Size	Created
 blog-django-py-generic-webhook-secret	Opaque	1	 Jul 10, 11:39 am
 blog-django-py-github-webhook-secret	Opaque	1	 Jul 10, 11:39 am
 builder-dockercfg-tjrv2	kubernetes.io/dockercfg	1	 Jul 10, 11:36 am
 builder-token-bkbpj	kubernetes.io/service-account-token	4	 Jul 10, 11:36 am
 builder-token-xd0lp	kubernetes.io/service-account-token	4	 Jul 10, 11:36 am
 default-dockercfg-8nwxr	kubernetes.io/dockercfg	1	 Jul 10, 11:36 am
 default-token-b55g8	kubernetes.io/service-account-token	4	 Jul 10, 11:36 am
 default-token-hrsnb	kubernetes.io/service-account-token	4	 Jul 10, 11:36 am
 deployer-dockercfg-2pnq8	kubernetes.io/dockercfg	1	 Jul 10, 11:36 am
 deployer-token-8947x	kubernetes.io/service-account-token	4	 Jul 10, 11:36 am
 deployer-token-jz2mn	kubernetes.io/service-account-token	4	 Jul 10, 11:36 am
 sample-database	Opaque	3	 Jul 10, 1:06 pm

Persistent Volume Claims

DetailsYAMLEventsVolume Snapshots

Persistent Volume Claim Details

1 GiB  
Available

Name

sample-database

Namespace

NS

rm-343165valber

Labels

app=sample-database

app.kubernetes.io/component=sample-database

app.kubernetes.io/instance=sample-database

template=postgresql-persistent-template

Edit

Annotations

5 Annotations

Label Selector

No selector

Created At

Jul 10, 1:06 pm

Owner

No owner

Status

Bound

Requested Capacity

1 GiB

Capacity

1 GiB

Used

48,47 MiB

Access Modes

ReadWriteOnce

Volume Mode

Filesystem

Storage Class

SC

gp2

PODS

Pods

Create Pod

Filter

Name

Search by name...

Name	Status	Ready	Restarts	Owner	Memory	CPU	Created
blog-django-py-1-build	Completed	0/1	0	blog-django-py-1	-	-	Jul 10, 11:39 am
blog-django-py-7c78fcc054-2ux56	Running	1/1	0	blog-django-py-7c78fcc054	49.9 MiB	0,000 cores	Jul 10, 1:29 pm
blog-django-py-7c78fcc054-4r6k7	Running	1/1	0	blog-django-py-7c78fcc054	-	-	Jul 10, 1:29 pm
blog-django-py-7c78fcc054-5b8n4	Running	1/1	0	blog-django-py-7c78fcc054	56.2 MiB	0,000 cores	Jul 10, 1:29 pm
blog-django-py-7c78fcc054-22rzq	Running	1/1	0	blog-django-py-7c78fcc054	53.7 MiB	0,000 cores	Jul 10, 1:22 pm
blog-django-py-7c78fcc054-4t7z5	Running	1/1	0	blog-django-py-7c78fcc054	48.6 MiB	0,000 cores	Jul 10, 1:29 pm
sample-database-1-cb3c5	Running	1/1	0	sample-database-1	53.6 MiB	0,002 cores	Jul 10, 1:06 pm
sample-database-1-deploy	Completed	0/1	0	sample-database-1	-	-	Jul 10, 1:06 pm

QUAY.IO

RED HAT Quay.io

EXPLOREREPOSITORIESTUTORIAL

search

+valbercs

We are currently facing technical issues with support@quay.io email. In order to contact Quay.io customer support, please use the email support@coreos.com until further notice.

Repositories

+ Create New Repository

REPOSITORY NAME	LAST MODIFIED	ACTIVITY	STAR
valbercs / do180-custom-httpd	Last Wednesday at 9:55 PM		

Users and Organizations

valbercs

Create New Organization

Topology

Project: rm-343165valber

Application: all applications

Display Options

Filter by Resource

Find by name...

blog-django-py

blog-d\_py-app

sample-database

blog-django-py

Actions

Health Checks

Container blog-django-py does not have health checks to ensure your application is running correctly. [Add Health Checks](#)

Details

Resources

Monitoring

Pods

View all (5)

P

blog-django-py-7c78fcc654-4r6k7

Running

View logs

P

blog-django-py-7c78fcc654-5bbn4

Running

View logs

P

blog-django-py-7c78fcc654-2sx56

Running

View logs

Builds

BC

blog-django-py

Start Build

Build #1 is complete (7 hours ago)

View logs

Horizontal Pod Autoscalers

HPA

hpa-343165

Services

S

blog-django-py

Service port: 8080-tcp → Pod Port: 8080

Routes

RT

blog-django-py

<http://blog-django-py-rm-343165valber.apps.na46a.prod.ole.redhat.com/post/3/>

RM-343165 Valber Cerqueira



blog-django-py-7c78fcc654-22rzq

July 10, 2022, 4:30 p.m.



RM343165

TESTE COMENTARIO EM AULA



RM-343165 Valber Cerqueira



blog-django-py-7c78fcc654-22rzq

March 14, 2017, 3:26 a.m.

What is Red Hat OpenShift?

Red Hat® OpenShift® is an enterprise-ready Kubernetes container platform with full-stack automated operations to manage hybrid cloud, multicloud, and edge deployments. Red Hat OpenShift is optimized to improve developer productivity and promote innovation. Red Hat OpenShift is available as a fully managed cloud service on leading public clouds, or as a self-managed software offering for organizations requiring more customization.

March 14, 2017, 3:27 a.m.

What is Kubernetes?

Kubernetes is an open-source system for automating deployment, scaling, and management of containerized applications.

July 10, 2022, 4:30 p.m.

RM343165

TESTE COMENTARIO EM AULA

sample-database

Actions

Details

Resources

Monitoring

Pods

P

sample-database-1-cbbc5

Running

View logs

Builds

No Build Configs found for this resource.

Services

S

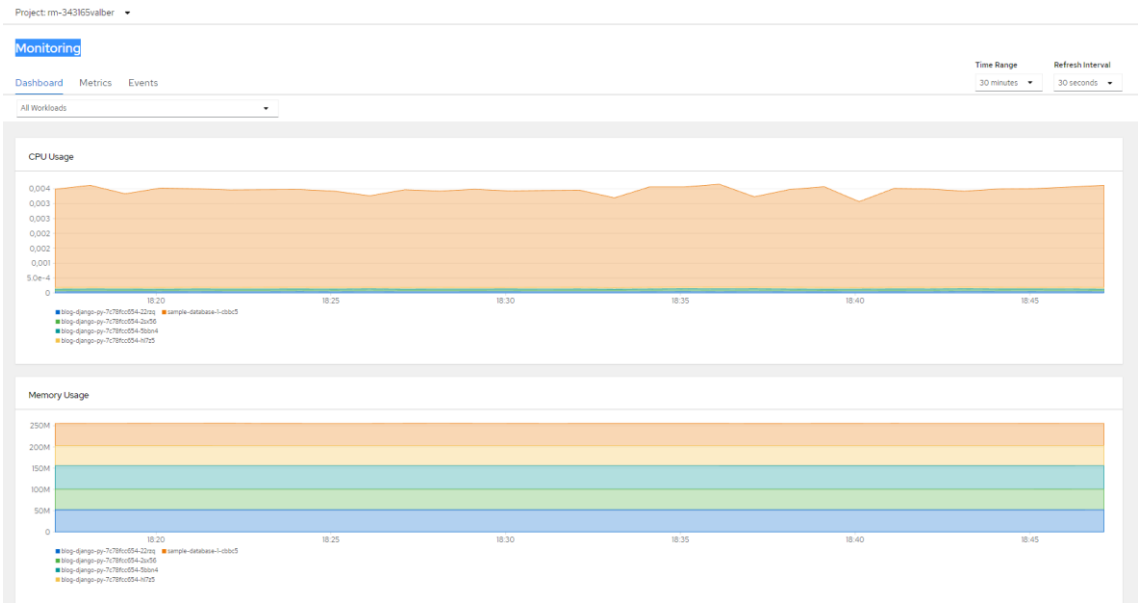
sample-database

Service port: postgresql → Pod Port: 5432

Routes

No Routes found for this resource.

Monitoring



Build Configs

Project: rm-343165valber

Build Configs

Build Config Details

blog-django-py

Details

YAML

Builds

Environment

Events

Build Config Details

Name

blog-django-py

Namespace

rm-343165valber

Labels

app=blog-django-py

app.kubernetes.io/component=blog-django-py

app.kubernetes.io/instance=blog-django-py

app.kubernetes.io/name=python

app.kubernetes.io/part-of=blog-django-py-app

app.openshift.io/runtime=python

app.openshift.io/runtime-version=3.8-ubi7

Annotations

3 Annotations

Created At

Jul 10, 11:39 am

Owner

No owner

Type

Source

Git Repository

https://github.com/openshift-instruqt/blog-django-py

Context Dir

/

Build From

python3.8-ubi7

Output To

blog-django-py/latest

Run Policy

Serial

Triggers

Generic, GitHub, ImageChange, ConfigChange

Webhooks

Type	Webhook URL	Secret
Generic	https://api.na40a.prod.ole.redhat.com:6443/apis/build.openshift.io/v1/namespaces/rm-343165valber/buildconfigs/blog-django-py/webhooks/secret/generic	blog-django-py-generic-webhook-secret
GitHub	https://api.na40a.prod.ole.redhat.com:6443/apis/build.openshift.io/v1/namespaces/rm-343165valber/buildconfigs/blog-django-py/webhooks/secret/github	blog-django-py-github-webhook-secret

Algumas configurações foram feitas vi código e outras diretamente no portal da RedHat

```
C:\Program Files (x86)\redhat>oc get deployment
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
blog-django-py 3/3      3             3           87m

C:\Program Files (x86)\redhat>oc set env deployment/blog-django-py BLOG_SITE_NAME='rm-343165'
deployment.apps/blog-django-py updated

C:\Program Files (x86)\redhat>oc get pods
NAME          READY   STATUS    RESTARTS   AGE
blog-django-py-1-build 0/1     Completed 0           95m
blog-django-py-69f98594b4-6l2gd 1/1     Running   0           3m26s
blog-django-py-69f98594b4-bqqvv 1/1     Running   0           3m33s
blog-django-py-69f98594b4-nhjmb 1/1     Running   0           3m30s
sample-database-1-cbbc5 1/1     Running   0           8m39s
sample-database-1-deploy 0/1     Completed 0           8m42s

C:\Program Files (x86)\redhat>oc set env deployment/blog-django-py BLOG_BANNER_COLOR=pink
deployment.apps/blog-django-py updated

C:\Program Files (x86)\redhat>oc set env deployment/blog-django-py BLOG_BANNER_COLOR=blue
deployment.apps/blog-django-py updated

C:\Program Files (x86)\redhat>get pods
'get' não é reconhecido como um comando interno
ou externo, um programa operável ou um arquivo em lotes.

C:\Program Files (x86)\redhat>oc get pods
NAME          READY   STATUS    RESTARTS   AGE
blog-django-py-1-build 0/1     Completed 0           100m
blog-django-py-5c96576c7f-5wbjd 1/1     Running   0           25s
blog-django-py-5c96576c7f-dh722 1/1     Running   0           31s
blog-django-py-5c96576c7f-lwzv6 1/1     Running   0           29s
sample-database-1-cbbc5 1/1     Running   0           13m
sample-database-1-deploy 0/1     Completed 0           13m

C:\Program Files (x86)\redhat>oc rsh
error: pod, type/name or --filename must be specified

C:\Program Files (x86)\redhat>oc set env deployment/blog-django-py-git DATABASE_URL=postgresql://sampledb:sampledb@sample-database:5432/sampledb
Error from server (NotFound): deployments.apps "blog-django-py-git" not found

C:\Program Files (x86)\redhat>oc set env deployment/blog-django-py DATABASE_URL=postgresql://sampledb:sampledb@sample-database:5432/sampledb
deployment.apps/blog-django-py updated

C:\Program Files (x86)\redhat>oc get pods
NAME          READY   STATUS    RESTARTS   AGE
blog-django-py-1-build 0/1     Completed 0           102m
blog-django-py-7c78fcc654-22rzq 1/1     Running   0           11s
blog-django-py-7c78fcc654-5zqm 1/1     Running   0           18s
blog-django-py-7c78fcc654-f7jhw 1/1     Running   0           14s
sample-database-1-cbbc5 1/1     Running   0           15m
sample-database-1-deploy 0/1     Completed 0           15m

C:\Program Files (x86)\redhat>oc rsh blog-django-py-7c78fcc654-22rzq
(app-root) sh-4.2$
(app-root) sh-4.2$ pwd
/app/app-root/src
(app-root) sh-4.2$ ls -la
.          configs      .gitignore   media        requirements.txt  templates
.          cronjobs.py  httdocs     .pki         .rmd
app.sh    Dockerfile   katacoda     posts.json  .s2i
blog      .git         manage.py    README.md   static
```



Lab Controls

Click **CREATE** to build all of the virtual machines needed for the classroom lab environment. This may take several minutes to complete. Once created the environment can then be stopped and restarted to pause your experience.

If you **DELETE** your lab, you will remove all of the virtual machines in your classroom and lose all of your progress.

Watch tutorial

Delete

Stop

Username	RHT_OCP4_DEV_USER	hqnnld
Password	RHT_OCP4_DEV_PASSWORD	978d35e72dc649599306
API Endpoint	RHT_OCP4_MASTER_API	<a href="https://api.na46a.prod.ole.redhat.com:6443">https://api.na46a.prod.ole.redhat.com:6443</a>
Console Web Application		<a href="https://console-openshift-console.apps.na46a.prod.ole.redhat.com">https://console-openshift-console.apps.na46a.prod.ole.redhat.com</a>
Cluster Id		19394d51-9c1f-40f9-ae07-9a8bdae032a9

bastion	active	Action	Open Console
classroom	active	Action	Open Console
workstation	active	Action	Open Console

Auto-stop in 3 hours.

Auto-destroy in 12 days.