

ROTEIRO

- Criar Projeto
- Acesso ao Console Web
- Deploy de Aplicação
- Acessar Aplicação

CRIAR PROJETO

Para criar o projeto temos que logar no cluster com o usuário developer

Coloque para login e senha: developer

oc login

Authentication required for https://127.0.0.1:8443 (openshift)

Username: developer Password: developer

Login successful.

You have one project on this server: "myproject"
Using project "myproject".

CRIAR PROJETO

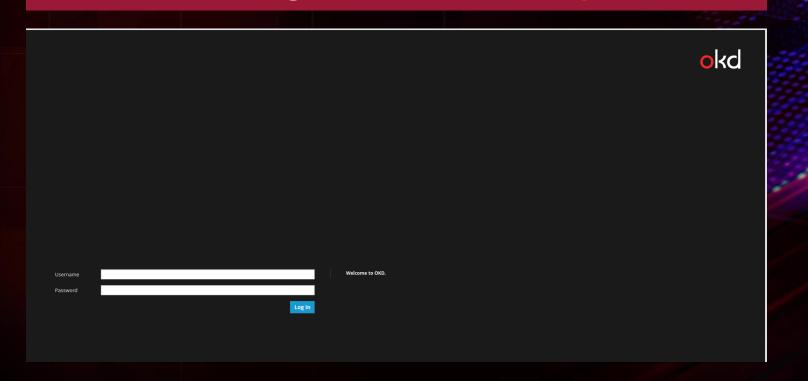
Comando para a criação de um projeto:

oc new-project dev --display-name="Project Dev" --description="My Project"

ACESSO AO CONSOLE WEB

Para acessar o console Web do OpenShift basta digitar no browser https://localhost:8443

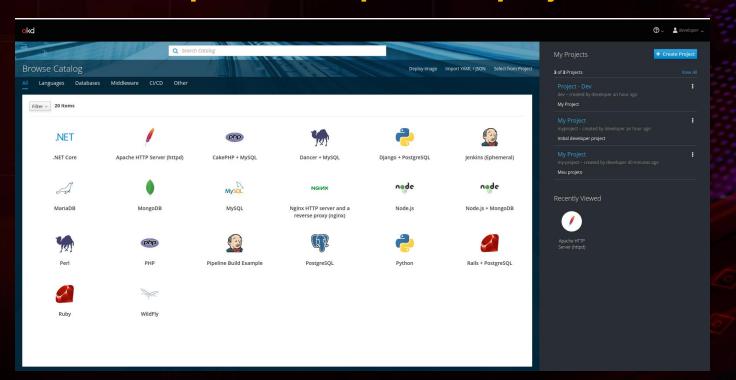
Utilize como login e senha: developer



ACESSO AO CONSOLE WEB

No lado direto da tela, clique no botão Create Project

- Name: my-project
- Display Name: Meu Projeto
- Description: Meu primeiro projeto



PASSO A PASSO

· Logar com usuário e senha: developer

> oc login

```
Authentication required for https://127.0.0.1:8443 (openshift)
Username: developer
Password:
Login successful.
You have access to the following projects and can switch between them with 'oc project ':
   * dev
    my-project
   myproject
Using project "dev".
```

PASSO A PASSO

- Ainda no terminal digite:
 - > oc project my-project

Now using project "my-project" on server "https://127.0.0.1:8443".

- Para ver o status do projeto
 - > oc status

In project My Project (my-project) on server https://127.0.0.1:8443 You have no services, deployment configs, or build configs. Run 'oc new-app' to create an application.

PASSO A PASSO

- Deploy da aplicação
 - > oc my-project deployment-example
- --> Found image da61bb2 (4 years old) in image stream "my-project/deployment-example" under tag "latest" for "deployment-example"
 - * This image will be deployed in deployment config "deployment-example"
 - * Port 8080/tcp will be load balanced by service "deployment-example"
 - * Other containers can access this service through the hostname "deployment-example"
- * WARNING: Image "my-project/deployment-example:latest" runs as the 'root' user which may not be permitted by your cluster administrator
- --> Creating resources ...
 - deploymentconfig.apps.openshift.io "deployment-example" created
 service "deployment-example" created
- --> Success
- Application is not exposed. You can expose services to the outside world by executing one or more of the commands below:
 - 'oc expose svc/deployment-example' Run 'oc status' to view your app.

PASSO A PASSO

Status do Deploy

> oc status

In project My Project (my-project) on server https://your-serverip:8443
svc/deployment-example - 172.30.87.146:8080
 dc/deployment-example deploys istag/deployment-example:latest
 deployment #1 deployed 36 seconds ago - 1 pod
2 infos identified, use 'oc status --suggest' to see details.

PASSO A PASSO

Status do serviço

> oc get svc

NAME

TYPE

CLUSTER-IP

EXTERNAL-I

PORT(S)

AGE

deployment-example

ClusterIP

172.30.87.146

8080/TCP

1m

PASSO A PASSO

Informações em detalhes para o serviço

Name: deployment-example

Namespace: my-project

Labels: app=deployment-example

Annotations: openshift.io/generated-by=OpenShiftNewApp

Selector: app=deployment-example, deploymentconfig=deployment-example

Type: ClusterIP

IP: 172.30.87.146

Port: 8080-tcp 8080/TCP

TargetPort: 8080/TCP

Endpoints: 172.17.0.10:8080

Session Affinity: None

Events:

PASSO A PASSO

Verificar os pods

> oc get pods

NAME READY
STATUS RESTARTS AGE
deployment-example-1-b9prf 1/1
Running 0 2m

PASSO A PASSO

- Exportar a aplicação para acesso externo
 - > oc expose service/deployment-example

route.route.openshift.io/deployment-example exposed

PASSO A PASSO

Informações de rota

> oc get routes

NAME
SERVICES
deployment-example
deployment-example

HOST/PORT

TERMINATION

WILDCARD

PATH

deployment-example-my-project.your-server-ip.nip.io

8080-tcp

PORT

ACESSAR APLICAÇÃO



BIBLIOGRAFIA

- 1. https://www.okd.io/#getting-started
- 2. https://pensandolinux.com.br/2021/02/14/openshift-iniciando-os-estudos-red-hat-codeready-containers/
- 3. https://www.ibm.com/br-pt/cloud/openshift/openshift-tutorials
- 4. https://www.howtoforge.com/how-to-install-and-configure-openshift-origin-paas-server-on-ubuntu-2004/
- 5. https://redhatbsb.gitbook.io/workshop-openshift/parte-2-openshift