



okd



backend-main



backend-main



backend-main-build



cicd



default



frontend-main



frontend-main-build



kube-dns



kube-proxy



kube-public



kube-system



mini-che

My Project

openshift

openshift-apiserver

openshift-controller-manager

openshift-core-operators

openshift-infra

openshift-node

Choose  
backend-main  
project

Get started with your project.

Add content to your project from the catalog of web frameworks, databases, and other components. You may also deploy an existing image, create or replace resources from their YAML or JSON definitions, or select an item shared from another project.

Browse Catalog

Deploy Image

Import YAML / JSON

Select from Project

okd

Bell ⌂ admin ⌂

☰ backend-main

Search Catalog

Add to Project ⌂

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Select an item to add to the current project

All Languages Databases Middleware CI/CD Other

Filter ⌂

7 Items



app-main-build-pipeline



app-main-canary-rollback-pipeline



app-main-deploy-pipeline



app-main-upgrade-pipeline



backend-main-template



eclipse-che

Click here

and a

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okd

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☰ backend-main

app-main-build-pipeline X

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## app-main-build-pipeline

No description provided.

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backend-main-template



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☰ backend-main

### app-main-build-pipeline

Information Configuration Results

1 2 3

 **app-main-build-pipeline** has been created.

[Continue to the project overview.](#)

#### Applied Parameter Values

These parameters often include things like passwords. If you will need to reference these values later, copy them to a safe location.

[Show parameter values](#)

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backend-main-template



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NGINX

Nginx HTTP server and a reverse proxy (nginx)

Click here





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backend-main

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app-main-deploy-pipeline

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✓ app-main-deploy-pipeline has been created.

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#### Applied Parameter Values

These parameters often include things like passwords. If you will need to reference these values later, copy them to a safe location.

[Show parameter values](#)



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Nginx HTTP server and a reverse proxy (nginx)

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All

**\* Application Name**

Name of the application

**\* Project Name**

Project or Namespace where application would be deployed

## Labels

Each label is applied to each

Click here

[About Labels](#)[Add Label](#)[Cancel](#)[< Back](#)[Create](#)

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✓ app-main-upgrade-pipeline has been created.

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#### Applied Parameter Values

These parameters often include things like passwords. If you will need to reference these values later, copy them to a safe location.

[Show parameter values](#)



backend-main-template

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Select an item to add to the current project

All Languages Databases Middleware CI/CD Other

**Filter**  **7 Items**

7 Items



## app-main-canary-rollback-pipeline



app-main-build-pipeline



## app-main-deploy-pipeline



## app-main-upgrade-pipeline



backend-main-template



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## Nginx HTTP server and a reverse proxy (nginx)

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## app-main-canary-rollback-pipeline

No description provided.



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### app-main-canary-rollback-pipeline

Information Configuration Results

\* Application Name  
  
Name of the application

\* Project Name  
  
Project or Namespace where application would be deployed

Labels ⓘ About Labels

Each label is applied to each instance of this application.

Name Value

Add Label

**Click here**

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### app-main-canary-rollback-pipeline

Information Configuration Results

1 2 3

app-main-canary-rollback-pipeline has been created.

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#### Applied Parameter Values

These parameters often include things like passwords. If you will need to reference these values later, copy them to a safe location.

[Show parameter values](#)

[Cancel](#) [< Back](#) [Close](#)



backend-main-template

canary-relOpenshift — docker@minishift:/var/lib/minishift/bin — -bash — 129x32

vim RE...ME.adoc

...beflow — -bash

...enshift — -bash

lab-user@client...

x docker@minishi...

...ry-test — -bash

vim README.md

docker@minishi...

docker@minishi...

...ins-test — -bash

+

[canary-relOpenshift]\$ oc project backend-main

Already on project "backend-main" on server "https://192.168.99.100:8443".

[canary-relOpenshift]\$

[canary-relOpenshift]\$

[canary-relOpenshift]\$ oc policy add-role-to-user edit system:serviceaccount:backend-main:jenkins -n backend-main  
role "edit" added: "system:serviceaccount:backend-main:jenkins"

[canary-relOpenshift]\$

[canary-relOpenshift]\$

[canary-relOpenshift]\$ oc policy add-role-to-user edit system:serviceaccount:backend-main-build:jenkins -n backend-main-build  
role "edit" added: "system:serviceaccount:backend-main:jenkins"

[canary-relOpenshift]\$

[canary-relOpenshift]\$

[canary-relOpenshift]\$

Run these 3 commands



okd



backend-main



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Pipelines [Learn More](#)

Applications

backend-main-build-jenkins created 2 hours ago

No pipeline builds have run for backend-main-build-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Start Pipeline

Builds

backend-main-canary-rollback-jenkins created 2 hours ago

No pipeline builds have run for backend-main-canary-rollback-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Start Pipeline

Resources

backend-main-deploy-jenkins created 2 hours ago

No pipeline builds have run for backend-main-deploy-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Start Pipeline

Storage

backend-main-upgrade-jenkins created 2 hours ago

No pipeline builds have run for backend-main-upgrade-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Start Pipeline

Monitoring

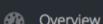
Catalog

Click here

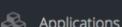
okd



backend-main



Pipelines

[Learn More](#)

backend-main-build-jenkins

created 2 hours ago

[Start Pipeline](#)

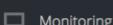
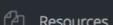
Recent Runs



Build #1

2 hours ago

No stages have started.

[View Pipeline Runs](#)[Edit Pipeline](#)

backend-main-canary-rollback-jenkins

created 2 hours ago

[Start Pipeline](#)No pipeline builds have run for backend-main-canary-rollback-jenkins. View the [Jenkinsfile](#) to see what stages will run.

backend-main-deploy-jenkins

created 2 hours ago

[Start Pipeline](#)No pipeline builds have run for backend-main-deploy-jenkins. View the [Jenkinsfile](#) to see what stages will run.

backend-main-upgrade-jenkins

created 2 hours ago

[Start Pipeline](#)No pipeline builds have run for backend-main-upgrade-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Pipeline backend-main-build-jenkins #1 successfully queued.

Builds for backend-main-build-jenkins are configured to run one at a time.

[View Build](#)



okd



backend-main



Search Catalog

Add to Project ▾

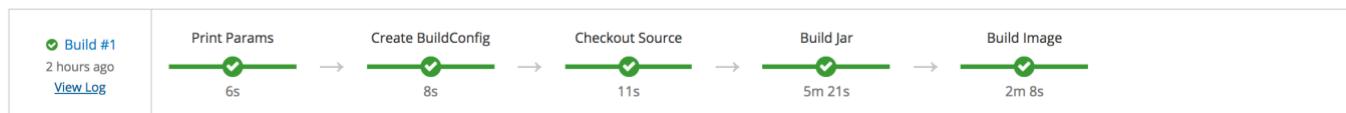
Pipelines Learn More ↗

backend-main-build-jenkins created 2 hours ago

Start Pipeline

Average Duration: 11m 58s

Recent Runs



View Pipeline Runs | Edit Pipeline

backend-main-canary-rollback-jenkins created 2 hours ago

Start Pipeline

No pipeline builds have run for backend-main-canary-rollback-jenkins. View the [Jenkinsfile](#) to see what stages will run.

backend-main-deploy-jenkins created 2 hours ago

Start Pipeline

No pipeline builds have run for backend-main-deploy-jenkins. View the [Jenkinsfile](#) to see what stages will run.

backend-main-upgrade-jenkins created 2 hours ago

Start Pipeline

No pipeline builds have run for backend-main-upgrade-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Wait for finish



okd



backend-main



backend-main



cicd



default



frontend-main



frontend-main-build



kube-dns



kube-proxy



kube-public



mini-che



My Project

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openshift-controller-manager

openshift-core-operators

openshift-infra

openshift-node

pipelines

Learn More ↗

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Click here

backend-main-build-jenkins created 2 hours ago

Start Pipeline

Average Duration: 11m 58s

Pipeline Runs | Edit Pipeline

backend-main-canary-rollback-jenkins created 2 hours ago

Start Pipeline

Pipeline builds have run for backend-main-canary-rollback-jenkins. View the [Jenkinsfile](#) to see what stages will run.

backend-main-deploy-jenkins created 2 hours ago

Start Pipeline

Pipeline builds have run for backend-main-deploy-jenkins. View the [Jenkinsfile](#) to see what stages will run.

backend-main-upgrade-jenkins created 2 hours ago

Start Pipeline

Pipeline builds have run for backend-main-upgrade-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Get started with your project.

Add content to your project from the catalog of web frameworks, databases, and other components. You may also deploy an existing image, create or replace resources from their YAML or JSON definitions, or select an item shared from another project.

[Browse Catalog](#)

## Deploy Image

## Import YAML / ISO

### Select from Project

[Click here](#)



okd



backend-main-build

Search Catalog

Add to Project

Overview

Image Streams Learn More

Filter by label

Add

Name	Docker Repo	Tags	Updated
backend-main	172.30.1.1:5000/backend-main-build/backend-main	latest	2 hours ago

Applications

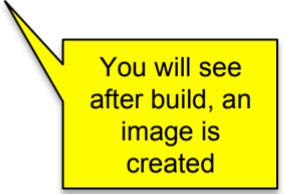
Builds

Resources

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You will see  
after build, an  
image is  
created



okd

backend-main

Search Catalog

Add to Project ▾

Overview

Builds

Builds

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Images

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Come back to  
“backend-  
main” project  
and the  
Pipelines

<https://jenkins-backend-main.192.168.99.100.nip.io>

1 pod





okd



backend-main

Pipelines [Learn More ↗](#)

backend-main-build-jenkins created 2 hours ago

Start Pipeline

Average Duration: 11m 58s

Recent Runs

Build #1

2 hours ago

View Log

Print Params

6s

Create BuildConfig

8s

Checkout Source

11s

Build Jar

5m 21s

Build Image

2m 8s

[View Pipeline Runs](#) | [Edit Pipeline](#)

backend-main-canary-rollback-jenkins created 2 hours ago

Start Pipeline

No pipeline builds have run for backend-main-canary-rollback-jenkins. View the [Jenkinsfile](#) to see what stages will run.

backend-main-deploy-jenkins created 2 hours ago

Start Pipeline

No pipeline builds have run for backend-main-deploy-jenkins. View the [Jenkinsfile](#) to see what stages will run.

backend-main-upgrade-jenkins created 2 hours ago

Start Pipeline

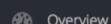
No pipeline builds have run for backend-main-upgrade-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Deploy  
backend  
application

okd



backend-main



Pipelines

Learn More



Pipeline backend-main-deploy-jenkins #1 successfully queued.

Builds for backend-main-deploy-jenkins are configured to run one at a time.

View Build



backend-main-build-jenkins

created 2 hours ago

Start Pipeline

Average Duration: 11m 58s

Recent Runs

Build #1

2 hours ago

View Log

Print Params

6s

Create BuildConfig

8s

Checkout Source

11s

Build Jar

5m 21s

Build Image

2m 8s

View Pipeline Runs

Edit Pipeline

backend-main-canary-rollback-jenkins

created 2 hours ago

Start Pipeline

No pipeline builds have run for backend-main-canary-rollback-jenkins. View the [Jenkinsfile](#) to see what stages will run.

backend-main-deploy-jenkins

created 2 hours ago

Start Pipeline

Recent Runs

Build #1

2 hours ago

No stages have started.

View Pipeline Runs

Edit Pipeline

backend-main-upgrade-jenkins

created 2 hours ago

Start Pipeline

No pipeline builds have run for backend-main-upgrade-jenkins. View the [Jenkinsfile](#) to see what stages will run.



okd



backend-main



Search Catalog

Add to Project ▾

## Pipelines

Learn More ↗

## backend-main-build-jenkins

created a day ago

Start Pipeline

## Recent Runs

Build #1

a day ago  
View Log

Print Params

6s

Create BuildConfig

8s

Checkout Source

11s

Build Jar

5m 21s

Build Image

2m 8s

View Pipeline Runs

Edit Pipeline

Average Duration: 11m 58s

## backend-main-canary-rollback-jenkins

created a day ago

Start Pipeline

## Storage

## Monitoring

## Catalog

## Recent Runs

Build #2

a minute ago  
View Log

Print Params

5s

Cleanup

4s

Deploy App

4s

View Pipeline Runs

Edit Pipeline

Average Duration: 1m 6s

## backend-main-upgrade-jenkins

created a day ago

Start Pipeline

No pipeline builds have run for backend-main-upgrade-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Wait for it to finish



okd

backend-main

Search Catalog

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Overview

Name 

List by

Application ▾

Applications

APPLICATION

backend-main

http://backend-main-backend-main.192.168.99.100.nip.io ↗

3 pods

Builds

DEPLOYMENT CONFIG  
backend-main, #1

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Storage

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Catalog

APPLICATION

jenkins-ephemeral

https://jenkins-backend-main.192.168.99.100.nip.io ↗

1 pod

DEPLOYMENT CONFIG  
jenkins, #1

Click here



okd

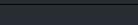
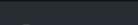
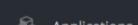


backend-main



Search Catalog

Add to Project



## APPLICATION

backend-main

DEPLOYMENT CONFIG  
backend-main, #1

## CONTAINERS

backend-main

Image: backend-main/backend-main

Ports: 8080/TCP



## NETWORKING

Service - Internal Traffic

backend-main

8080/TCP (8080-tcp) → 8080

Click here

Routes - External Traffic

http://backend-main-backend-main.192.168.99.100.nip.io

Route backend-main, target port 8080-tcp

## PIPELINES

backend-main-deploy-jenkins

Build #2

2 minutes ago

View Log

Print Params

5s

Cleanup

4s

Deploy App

4s

backend-main-build-jenkins

Build #1

a day ago

View Log

Print Params

6s

Create BuildC...

8s

Checkout Sour...

11s

Build Jar

5m 21s

Build Image

2m 8s

BackendMain-v1: Hello from pod - [backend-main-1-7rknb!](#)

See the pod  
name which  
served the  
request



```
vim RE...ME.adoc ...s/code --- bash ...enshift --- bash lab-user@client... docker@minishi... ...ry-test --- bash vim README.md docker@minishi... docker@minishi... ...ins-test --- bash
[jenkins-test]$ oc project frontend-main

Now using project "frontend-main" on server "https://192.168.99.100:8443".
[jenkins-test]$
[jenkins-test]$ oc create configmap frontend-main-config --from-literal=backendmain.url=http://backend-main-backend-main.192.168.99.100.nip.io
configmap/frontend-main-config created
[jenkins-test]$
[jenkins-test]$
[jenkins-test]$
```

Create a config map.  
Make sure to replace http url correctly

okd



admin

## backend-main

Ov backend-main

backend-main-build

Ap cicc

default

Bu frontend-main

frontend-main-build

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kube-system

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My Project

openshift

openshift-apiserver

openshift-controller-manager

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openshift-infra

openshift-node

backend-main

http://backend-main-backend-main.192.168.99.100.nip.io ↗

DEPLOYMENT CONFIG  
backend-main, #1

CONTAINERS

Click here

3 pods

Backend - Internal Traffic

Service - Internal Traffic

backend-main

80/TCP (8080-tcp) → 8080

Routes - External Traffic

http://backend-main-backend-main.192.168.99.100.nip.io ↗

Route backend-main, target port 8080-tcp

STEPS

backend-main-deploy-jenkins

- Build #2 5 minutes ago [View Log](#)
- Print Params 5s
- Cleanup 4s
- Deploy App 4s

backend-main-build-jenkins

- Build #1 a day ago [View Log](#)
- Print Params 6s
- Create BuildC... 8s
- Checkout Sour... 11s
- Build Jar 5m 21s
- Build Image 2m 8s

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frontend-main

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All Languages Databases Middleware CI/CD Other

Filter 81 Items

.NET

.NET Core



Apache HTTP Server (httpd)



app-main-build-pipeline



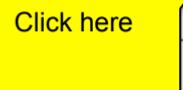
app-main-canary-rollback-pipeline



app-main-deploy-pipeline



app-main-upgrade-pipeline



Dancer + MySQL



Django + PostgreSQL



eclipse-che



fis-java-openshift



fis-karaf-openshift



frontend-main-template



JBoss A-MQ 6.3 (no SSL)



JBoss A-MQ 6.3 (with SSL)





okd

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\* Application Name

frontend-main

Name of the application

\* Project Name

frontend-main

Project or Namespace where application would be deployed

\* Source URL

https://github.com/kgshukla/canary-rel-openshift.git

The source URL for the application

\* Source Ref

master

The source Ref for the application

\* Context path

frontend-main

Module within git project

Replace  
backend-main  
with frontend-  
main in  
relevant  
textbox

Cancel

&lt; Back

Create





okd

frontend-main

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**app-main-build-pipeline** has been created.[Continue to the project overview.](#)

#### Applied Parameter Values

These parameters often include things like passwords. If you will need to reference these values later, copy them to a safe location.

[Show parameter values](#)

Cancel

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app-main-deploy-pipeline



eclipse-che



JBoss A-MQ 6.3 (with SSL)



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.NET

.NET Core



Apache HTTP Server (httpd)



app-main-build-pipeline



app-main-canary-rollback-pipeline



app-main-deploy-pipeline



app-main-upgrade-pipeline

Click here



Dancer + MySQL



Django + PostgreSQL



eclipse-che

RED HAT JBOSS

RED HAT JBOSS



fis-java-openshift

fis-karaf-openshift

frontend-main-template



JBoss A-MQ 6.3 (no SSL)



JBoss A-MQ 6.3 (with SSL)





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app-main-deploy-pipeline

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app-main-deploy-pipeline

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\* Application Name

frontend-main

Name of the application

\* Project Name

frontend-main

Project or Namespace where application would be deployed

\* Canary URL Required

false

Does Canary version require a new url

\* Domain Name

192.168.99.100.nip.io

Domain name of the cluster

Labels

Each label is applied to each instance

Replace  
backend-main  
with frontend-  
main

No canary url  
required for  
frontend

Give right  
domain name

About Labels

Cancel

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app-main-deploy-pipeline has been created.

[Continue to the project overview.](#)

#### Applied Parameter Values

These parameters often include things like passwords. If you will need to reference these values later, copy them to a safe location.

[Show parameter values](#)

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app-main-deploy-pipeline



eclipse-che



JBoss A-MQ 6.3 (with SSL)

okd

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Select an item to add to the current project

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Filter 81 Items

.NET



.NET Core



Apache HTTP Server (httpd)



app-main-build-pipeline



app-main-canary-rollback-pipeline



app-main-deploy-pipeline



app-main-upgrade-pipeline



CakePHP + MySQL



Dancer + MySQL



Django + PostgreSQL



eclipse-che

RED HAT JBOSS

fis-java-openshift

Click here



frontend-main-template



JBoss A-MQ 6.3 (no SSL)



JBoss A-MQ 6.3 (with SSL)





okd

frontend-main

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frontend-main

Name of the application

\* Project Name

frontend-main

Project or Namespace where the application would be deployed

Labels

Each label is applied to each instance of the application

Name

Value

About Labels

Add Label

Replace  
backend-main  
with frontend-  
main

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app-main-deploy-pipeline



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app-main-upgrade-pipeline

X



✓ app-main-upgrade-pipeline has been created.

[Continue to the project overview.](#)

#### Applied Parameter Values

These parameters often include things like passwords. If you will need to reference these values later, copy them to a safe location.

[Show parameter values](#)

Cancel

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frontend-main

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Select an item to add to the current project

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Filter 81 Items

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Replace  
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## app-main-canary-rollback-pipeline



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**app-main-canary-rollback-pipeline** has been created.[Continue to the project overview.](#)

## Applied Parameter Values

These parameters often include things like passwords. If you will need to reference these values later, copy them to a safe location.

[Show parameter values](#)

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Dancer + MySQL



Django + PostgreSQL



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JBoss A-MQ 6.3 (no SSL)



JBoss A-MQ 6.3 (with SSL)



JBoss BPM Suite 6.4 intelligent



JBoss BPM Suite 6.4 intelligent



JBoss BPM Suite 6.4 intelligent



JBoss BPM Suite 6.4 intelligent

canary-rel-openshift — docker@minishift:/var/lib/minishift/bin — -bash — 129x32

vim RE...ME.adoc

...s/code — -bash

...enshift — -bash

lab-user@client...

docker@minishi...

...ry-test — -bash

vim README.md

docker@minishi...

docker@minishi...

...ins-test — -bash

+

[canary-rel-openshift]\$ oc project frontend-main

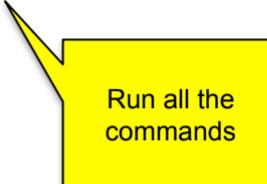
Already on project "frontend-main" on server "https://192.168.99.100:8443".

[canary-rel-openshift]\$

```
[canary-rel-openshift]$ oc policy add-role-to-user edit system:serviceaccount:frontend-main:jenkins -n frontend-main  
role "edit" added: "system:serviceaccount:frontend-main:jenkins"
```

```
[canary-rel-openshift]$ oc policy add-role-to-user edit system:serviceaccount:frontend-main:jenkins -n frontend-main-build  
role "edit" added: "system:serviceaccount:frontend-main:jenkins"
```

[canary-rel-openshift]\$



Run all the commands



okd



frontend-main

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Pipelines [Learn More](#)

frontend-main-build-jenkins created 3 minutes ago

No pipeline builds have run for frontend-main-build-jenkins. View the [Jenkinsfile](#) to see what stages will run.[Start Pipeline](#)

frontend-main-canary-rollback-jenkins created a minute ago

No pipeline builds have run for frontend-main-canary-rollback-jenkins. View the [Jenkinsfile](#) to see what stages will run.[Start Pipeline](#)

frontend-main-deploy-jenkins created 2 minutes ago

No pipeline builds have run for frontend-main-deploy-jenkins. View the [Jenkinsfile](#) to see what stages will run.[Start Pipeline](#)

frontend-main-upgrade-jenkins created a minute ago

No pipeline builds have run for frontend-main-upgrade-jenkins. View the [Jenkinsfile](#) to see what stages will run.[Start Pipeline](#)

Click here



okd



frontend-main

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## Pipelines

Learn More ↗

frontend-main-build-jenkins created 21 minutes ago

Start Pipeline

Average Duration: 5m 40s

Recent Runs



View Pipeline Runs | Edit Pipeline

frontend-main-canary-rollback-jenkins created 19 minutes ago

Start Pipeline

No pipeline builds have run for frontend-main-canary-rollback-jenkins. View the [Jenkinsfile](#) to see what stages will run.

frontend-main-deploy-jenkins created 20 minutes ago

Start Pipeline

No pipeline builds have run for frontend-main-deploy-jenkins. View the [Jenkinsfile](#) to see what stages will run.

frontend-main-upgrade-jenkins created 20 minutes ago

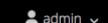
Start Pipeline

No pipeline builds have run for frontend-main-upgrade-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Wait for this to finish

Then click here





okd



frontend-main



Search Catalog

Add to Project

Pipelines [Learn More](#)

frontend-main-build-jenkins created 23 minutes ago

Start Pipeline

Average Duration: 5m 40s

## Recent Runs

Build #2

14 minutes ago

View Log

Print Params

6s

Create BuildConfig

7s

Checkout Source

13s

Build Jar

5m 37s

Build Image

43s

[View Pipeline Runs](#) | [Edit Pipeline](#)

frontend-main-canary-rollback-jenkins created 21 minutes ago

Start Pipeline

No pipeline builds have run for frontend-main-canary-rollback-jenkins. View the [Jenkinsfile](#) to see what stages will run.

frontend-main-deploy-jenkins created 22 minutes ago

Start Pipeline

Average Duration: 55s

## Recent Runs

Build #1

a minute ago

View Log

Print Params

6s

Cleanup

5s

Deploy App

3s

[View Pipeline Runs](#) | [Edit Pipeline](#)

frontend-main-upgrade-jenkins created 21 minutes ago

Start Pipeline

No pipeline builds have run for frontend-main-upgrade-jenkins. View the [Jenkinsfile](#) to see what stages will run.

Wait for this to finish

okd

admin

frontend-main

Name Filter by name

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Add to Project

**APPLICATION**  
frontend-mainDEPLOYMENT CONFIG  
frontend-main, #1

CONTAINERS

frontend-main

Image: frontend-main:main  
Ports: 8080/TCP

NETWORKING

Service - Internal Traffic

frontend-main

8080/TCP (8080-tcp) → 8080

Click here

http://frontend-main-frontend-main.192.168.99.100.nip.io ↗

Then click on  
this url3  
pods

PIPELINES

frontend-main-deploy-jenkins

Build #1

a minute ago

View Log

Print Params

6s

Cleanup

5s

Deploy App

3s

frontend-main-build-jenkins

Build #2

14 minutes ago

View Log

Print Params

6s

Create BuildC...

7s

Checkout Sour...

13s

Build Jar

5m 37s

Build Image

43s

FrontendMain-v1: served by pod - frontend-main-1-n9spz! :::: BackendMain-v1: Hello from pod - backend-main-1-n7pwv!

