

Deploy Cloud Native Application on OpenShift

IBM Developer

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This lab demonstrates how to deploy an application to OpenShift when the source code is available in a GitHub repository.

Steps for the lab:

Step 1: Create a new project 'deployment-from-github'

Step 2: Create a new application and refer to a subdirectory in the GitHub repo

Step 3: Verify if the service is created

Step 4: In the last step create a route

Dockerfile

```
FROM maven:3.5-jdk-8 as BUILD
```

```
COPY src /usr/src/app/src
```

```
COPY pom.xml /usr/src/app
```

```
RUN mvn -f /usr/src/app/pom.xml clean package
```

```
FROM open-liberty:microProfile2-java11
```

```
COPY liberty/server.xml /config/
```

```
COPY --from=BUILD /usr/src/app/target/authors.war /config/apps/
```

```
EXPOSE 3000
```

Get Environment for Lab:

1. To get Environment Access use the following URL:

<https://oswiprocp.mybluemix.net>

2. Enter the Lab Key: oslab
3. Provide the Email ID used to sign up for IBM Cloud
4. Check the box to agree to the terms and conditions
5. Click on Submit.

Welcome to an IBM Cloud lab

Use this form to get access to a lab environment

Lab Key (provided by the host)

 ask your host for the key

Your IBMid

 john@acme.com

☐ I agree to the [terms and conditions](#)

Submit

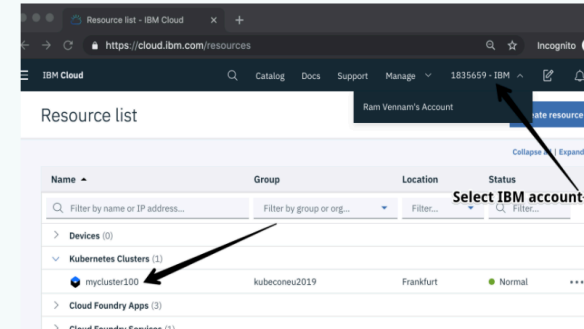
Get Environment for Lab:

Login to IBM Cloud Account



Congratulations!

You have been assigned a openshift cluster.



1. You have been invited to the lab account.
2. Log in to this [IBM Cloud account](#)
3. Navigate to Clusters.
4. Select the cluster named **osinfosys23**

To access the cluster click on the name of the cluster as highlighted below:

Name ▲		Group	Location	Status	Tags
🔍 Filter by name or IP address...		Filter by group or org... ▼	Filter... ▼	🔍 Filter...	Filter... ▼
▼ Devices (0)					
▼ VPC infrastructure (0)					
📁 Clusters (2)					
<div>🔄 oshcl20</div>			Frankfurt	● Normal	oshc... +1 ⋮

Lab Time !

