

# Openshift Quick start

## Prerequisite

You need to have an account on RTFE homologation ldap registry

Account can be self-provisioned via the following link :

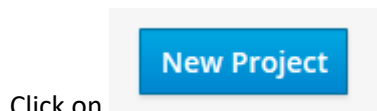
<https://ressources.safe.socgen/fr/sesame-homologation>

## Create an openshift project through web portal

Connect to the portal with this link :

<https://daaclx11.dns21-3.socgen:8443>

Accept the self-signed certificate and use your RTFE credential to connect



Click on

Fill the field Name (Project name), Display Name and Description. The only mandatory field is Name. then click on « Create »

### New Project

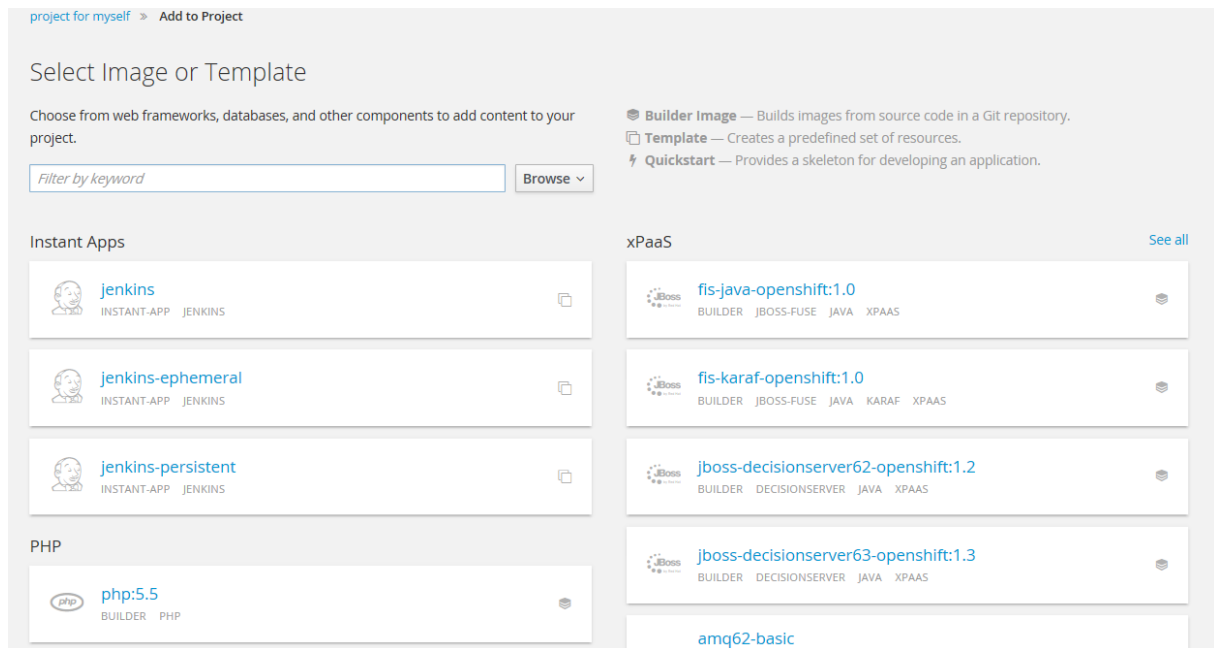
**\* Name**

A unique name for the project.

**Display Name**

**Description**

Next screen choose in product selection in Openshift service catalog :



You can filter available template via « browse » menu or via the keyword text field, ie :

- node : nodejs template
- eap : jboss template
- tomcat : tomcat template
- ...

To follow-up this quick-start we will use nodejs-mongodb-example template which pop a nodejs application and a mongodb database.

OPENSIFT ENTERPRISE Documentation Jean-Christophe MEYNARD

nodejs > Add to Project > nodejs-mongodb-example

## nodejs-mongodb-example

Namespace: openshift  
An example Node.js application with a MongoDB database

### Images

- openshift/sg-node:latest
- nodejs-mongodb-example
- mongodb

### Parameters

**SOURCE\_REPOSITORY\_URL**  
https://sofagit.socgen/A373069/nodejs-ex.git X  
The URL of the repository with your application source code

**SOURCE\_REPOSITORY\_REF**

fill "SOURCE\_REPOSITORY\_URL" field with the following GIT reference wich hold the source code of example app :

<https://sofagit.socgen/A373069/nodejs-ex.git>

fill "Custom NPM mirror URL" field with the URL of nexus server used to proxify npm registries :

<http://hxpllx03.dns21-3.socgen/nexus/content/repositories/npmjs-ext/>

For demo purpose leave the other field unchanged.

End by clicking on "create » to lauch application build and deploy.

Dans la page suivante on selectionne le lien « Go to Overview ».

First build will fail because we need to setup the secret to clone the source from GIT. We need to modify the build configuration in the following way :.

In « Browse » menu select « Build » item, then select the build link “nodejs-mongodb-example”, to have the following screen :

The screenshot shows the OpenShift Build interface for a build named 'nodejs-mongodb-example'. At the top, there's a breadcrumb 'Builds > nodejs-mongodb-example' and a status 'nodejs-mongodb-example created a minute ago'. Below this are tabs for 'template' and 'nodejs-mongodb-example'. Further down are tabs for 'Summary', 'Configuration', and 'Environment'. A message states 'Latest build #1 failed. View Log' with a red 'x' icon. Below this is a table with columns 'Build', 'Status', and 'Created'. The table contains one row for build #1, which failed after 2 seconds at 1/24/17 3:09 PM.

Build	Status	Created
#1	Failed after 2 seconds	a minute ago - 1/24/17 3:09 PM

Then select item « edit YAML » in « action » menu.

This enable us to edit build configuration to add necessary secret to enable communication with GIT :

```
...
source:
  type: Git
  git:
    uri: 'https://sofagit.socgen/A373069/nodejs-ex.git '
    sourceSecret:
      name: gitlab
    secrets: null
  strategy:
...

```

Add the sourceSecret section (in red) to enable GIT clone from Openshift.  
Click “Save” to take the modification into account.

You can now launch again the build phase by clicking on “start build”  
Build log are available via “view log” link

Once the application is builded, you can have a global view of deployed container through  
“Overview” menu item.

Application can then be accesses through the url published by openshift.