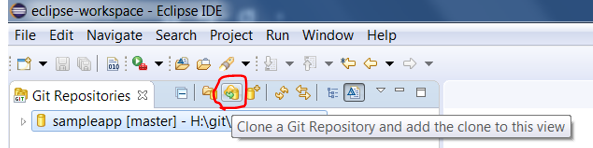
1. Log on to GitHub.mmm.com, (request a membership of MMM\ WW-CSHS-GithubUsers , if you don’t already have access)
2. Create GitHub repository for your application

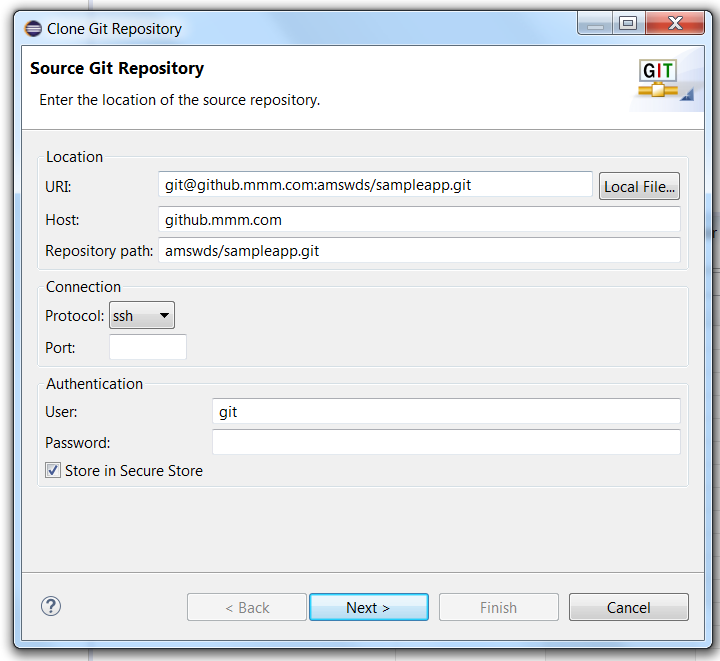
* Click on “New” on the right side corner
* Give the repository name , choose public and click on create

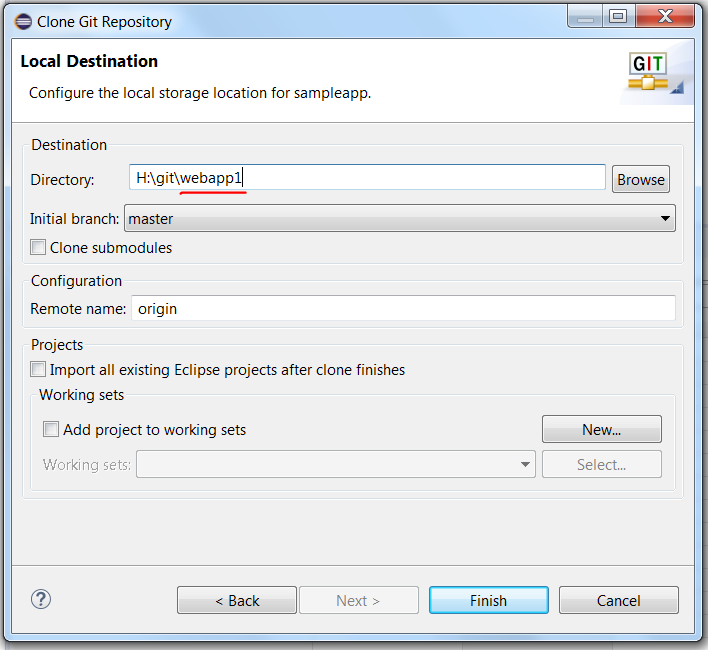
1. To connect to Git repo from Eclipse, you need to set up SSH key pair, follow the document “Setting Up SSH on Eclipse to connect to GitHub”



1. Always convert the project into Maven and then push the code.
2. Clone the Git Repo with your local workspace ,for eclipse go to Git Repositories >“Clone a Git Repository and add the clone to this view”







1. Follow the below steps to push your code to Git

* Right click on project name-> team->shareproject (enter the URL details)-> The project will get connected to git
* Right click on the connected project->team->commit (pushes code to master branch)
* Right click on the connected project->team->switch to->new branch(creates new branch)

This will push the code into the master branch, we can also create DEV branch and push the code similarly into this branch.

1. Request Access to OpenShift

In order to gain access to OpenShift you must request access to the following AD Group: MMM\US-MN-Maplewood-OSE-Users .Request access to above AD group in SecurityExpress

1. Request OpenShift Projects for your application

You can request a new OpenShift project through the link: <https://ithelp.mmm.com/Request.aspx?ID=OPEN-SHIFT-PRF>

It is recommended that you run only one Java EE application inside each project, so you should request project for each environment level of your application. For example, application “SampeApp” should request 3 OpenShift Projects for each level:

“SampleApp-Dev” for development environment

“SampleApp-QA” for QA environment

“SampleApp-Prod” for Production environment

1. Define hostnames to be used by application.

You can use any hostname as long as it is not already existing in DNS.

The suggested convention is :

<appname>-<envname>.mmm.com

Example : use “sampleapp-dev.mmm.com” for dev and use “sampleapp.mmm.com” for prod

Send a request to JBoss team for a new DNS record for the hostname.

1. Once you have the OpenShift project created, you need to setup SSH key pair for use to connect to Github.

Refer to the document “Setting Up SSH key pair to connect Git profile to OpenShift” for setting up a Git Source Secret.



1. OpenShift use “Secret” object to store datasources configuration. Follow the below steps to create a Secret to store your datasources configuration.

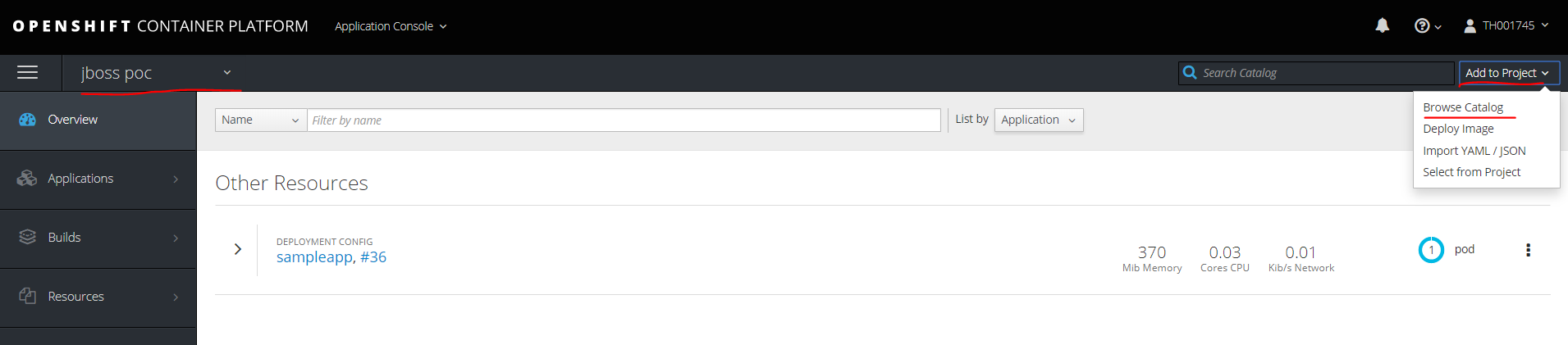


Click on Add to Application once the secret is created->volume->/extensions/

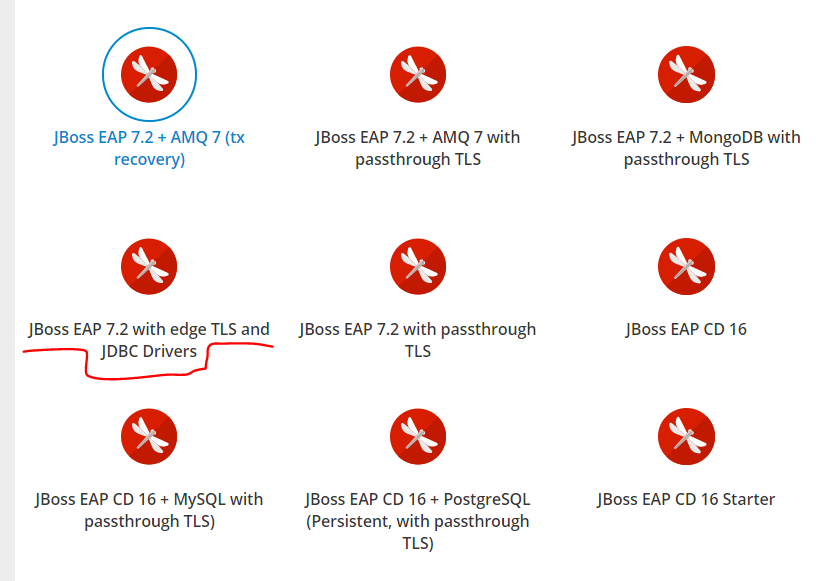
1. Add JBoss EAP7 Container to your project

Once you have new OpenShift Project created for each level of your application, you can start adding container to your project.

11.1 Logon to OpenShift Application Console , select your project > Add to Project > Browse Catalog.



### 11.2 Select “[JBoss MMM - JBoss EAP 7.2](https://os-master.mmm.com/console/project/jboss-cdms-utility-dev/browse/service-instances/jboss-mmm-h6cjh)” from the catalog



11.3 Provide configuration information of your application / container

**Application Name :** <Your application name>

**Environment Name :** dev , qa, prod

**Datasources Secret Name:** The name of the secret containing configuration properties for the datasources.

**Application Hostname :** Host name of your application e.g sampleapp-dev.mmm.com.

To request a DNS record for the hostname to be used, send email to Wattanapol Rujimethit or Jacob Knap.

**Git Repository URL :** <Your Git Repository URL>

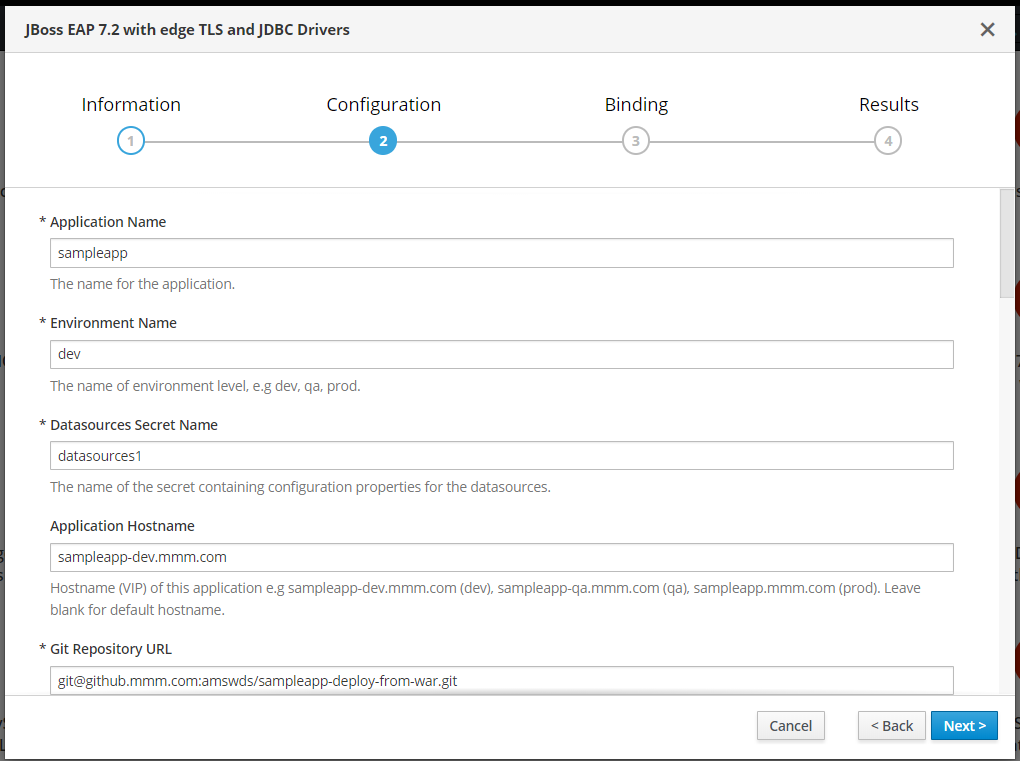
For Example : git@github.mmm.com:amswds/sampleapp-deploy-from-war.git

**Git Source Secret:**

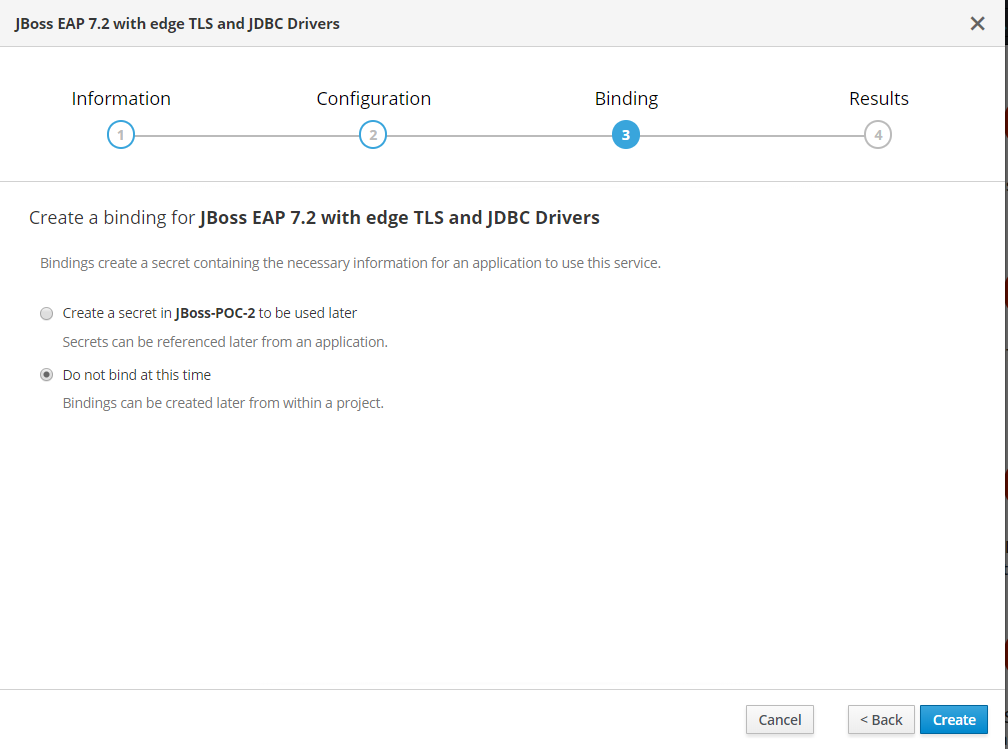
Git Source Secret used to authenticate to a private Git repository or a private image registry. Specify a Source Secret name you created in step3. E.g. “mygithubkey”

**Git Reference :** Leave blank if you will pull source from the master branch , specify branch name if you will pull source from a difference branch.

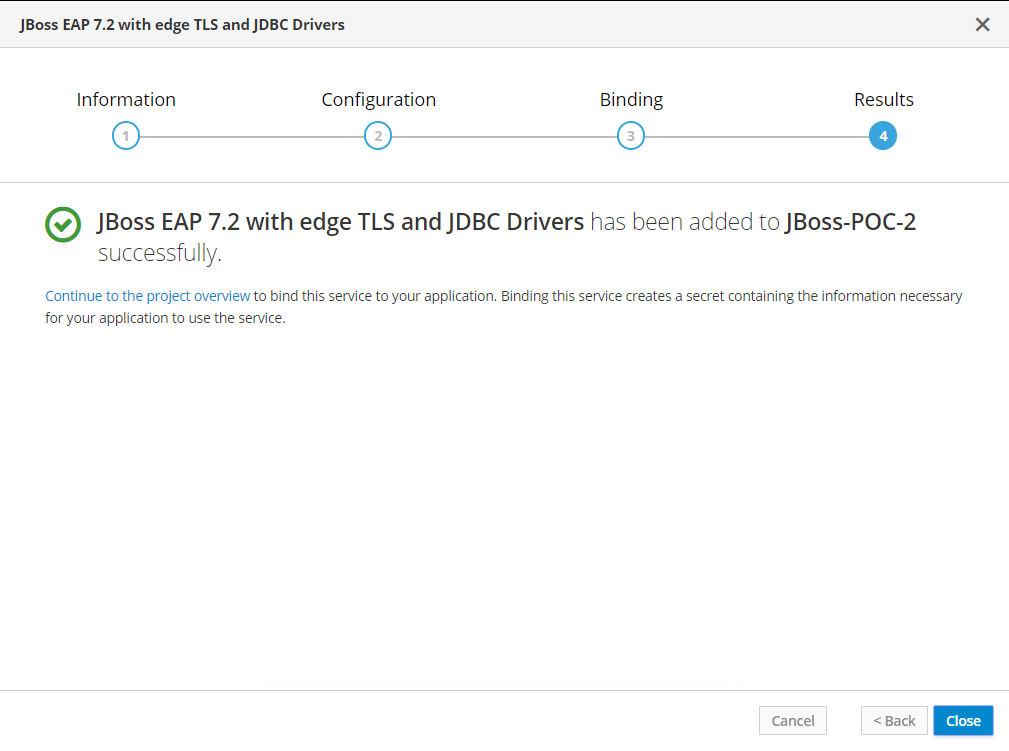
**Context Directory :** /



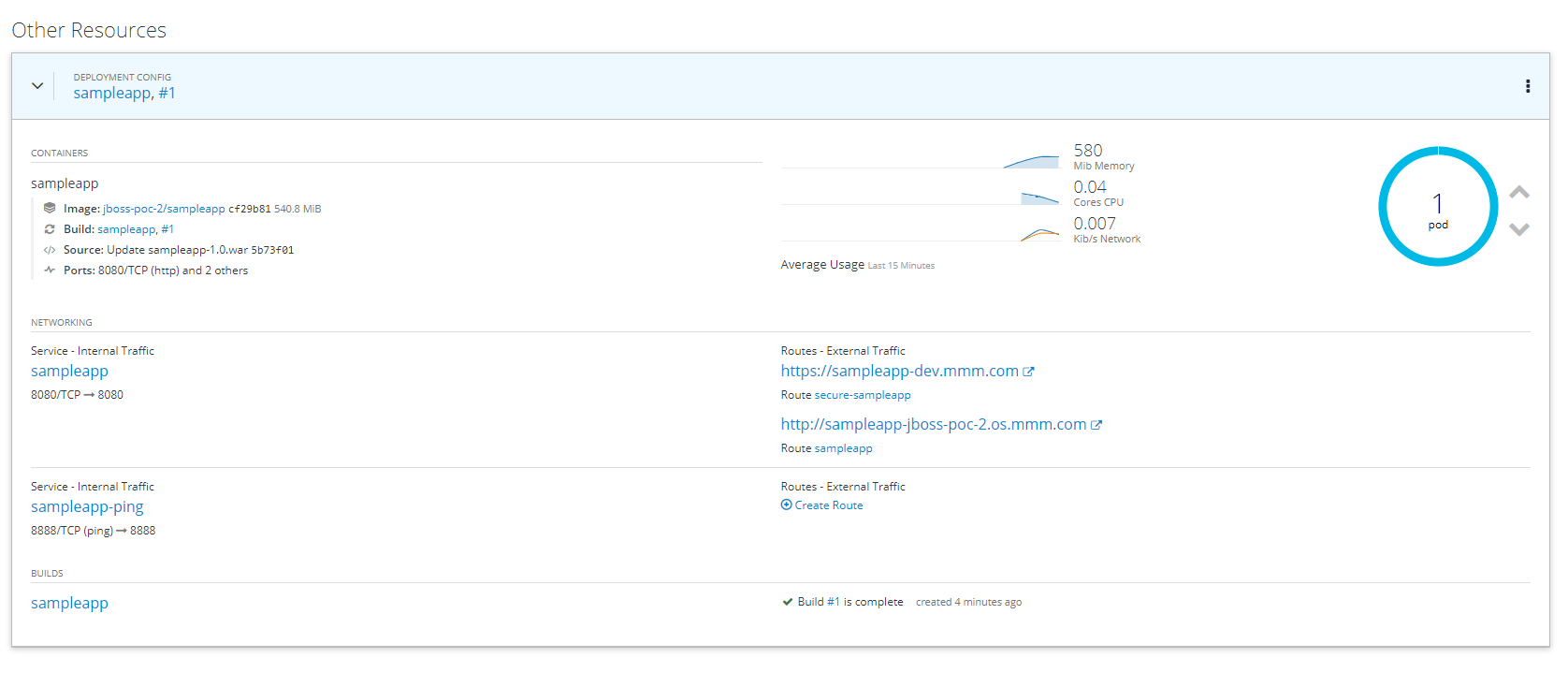
1. Click Next and Select “Do not bind at this time” for binding.



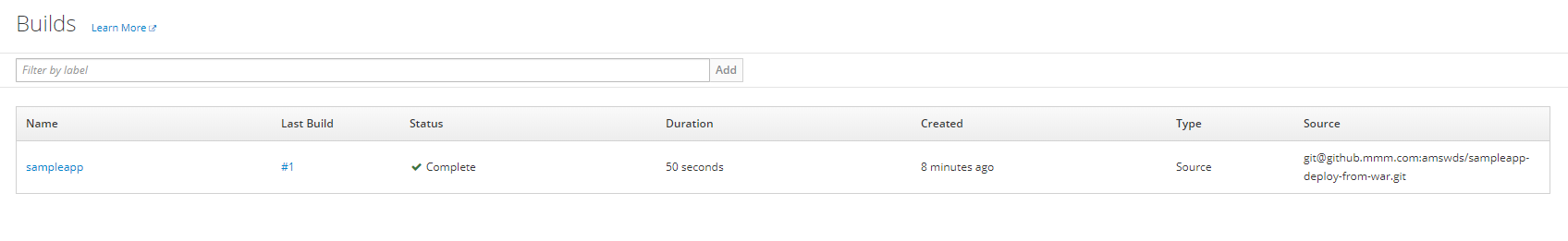
1. Then click “Create”, wait until the EAP 7.2 has been provisioned successfully.



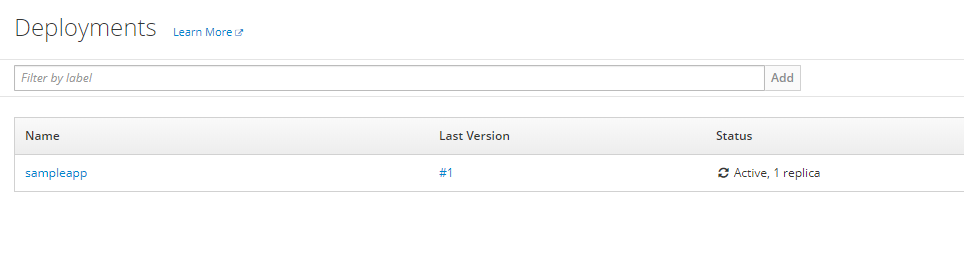
1. Goto Project overview tab for the overview of build and deployment progress.



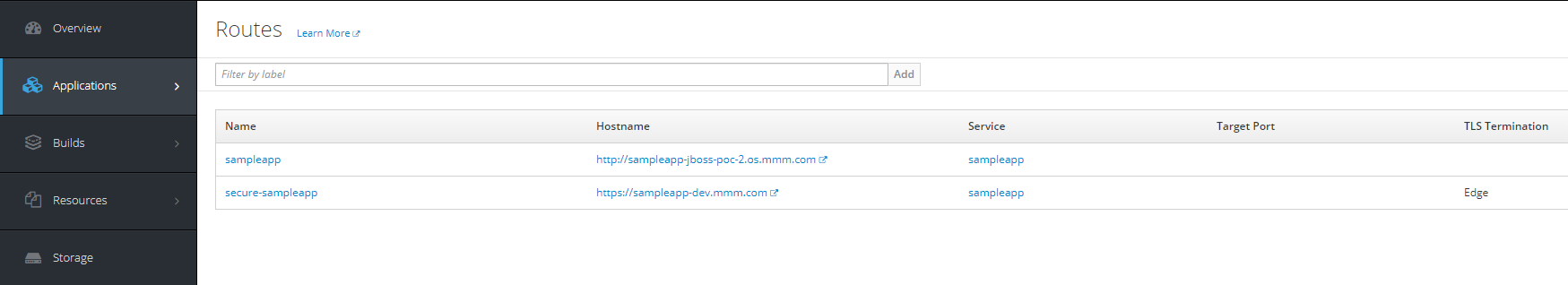
1. Click Builds tab to check build progress



1. Click “Application> Deployments” tab to check deployment progress



1. Once Build and Deployment are done, go to Applications> Routes



1. Once Build and Deployment are done, go to Applications> Routes

**Refer the below links :**

**To request jboss team for hosting project in openshift :** [**https://gsm.mmm.com/ITSM/Int\_Detail.aspx?ID=SD7200221**](https://gsm.mmm.com/ITSM/Int_Detail.aspx?ID=SD7200221)

**To download putty :**

[**https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html**](https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html)

**download zip file under Alternate Binary Files**

**Datasource reference :**

**DATASOURCES=ICSAppDataSource**

**ICSAppDataSource\_DATABASE=ONECDMS**

**ICSAppDataSource\_JNDI=java:jboss/jdbc/ICSDataSource**

**ICSAppDataSource\_DRIVER=MicrosoftType4**

**ICSAppDataSource\_USERNAME=CDMS\_ADMIN**

**ICSAppDataSource\_PASSWORD=CDMS4admin**

**ICSAppDataSource\_TX\_ISOLATION=TRANSACTION\_READ\_UNCOMMITTED**

**ICSAppDataSource\_JTA=true**

**ICSAppDataSource\_URL=jdbc:sqlserver://devsql57:1933\;databaseName=ONECDMS**

**ICSAppDataSource\_NONXA=true**