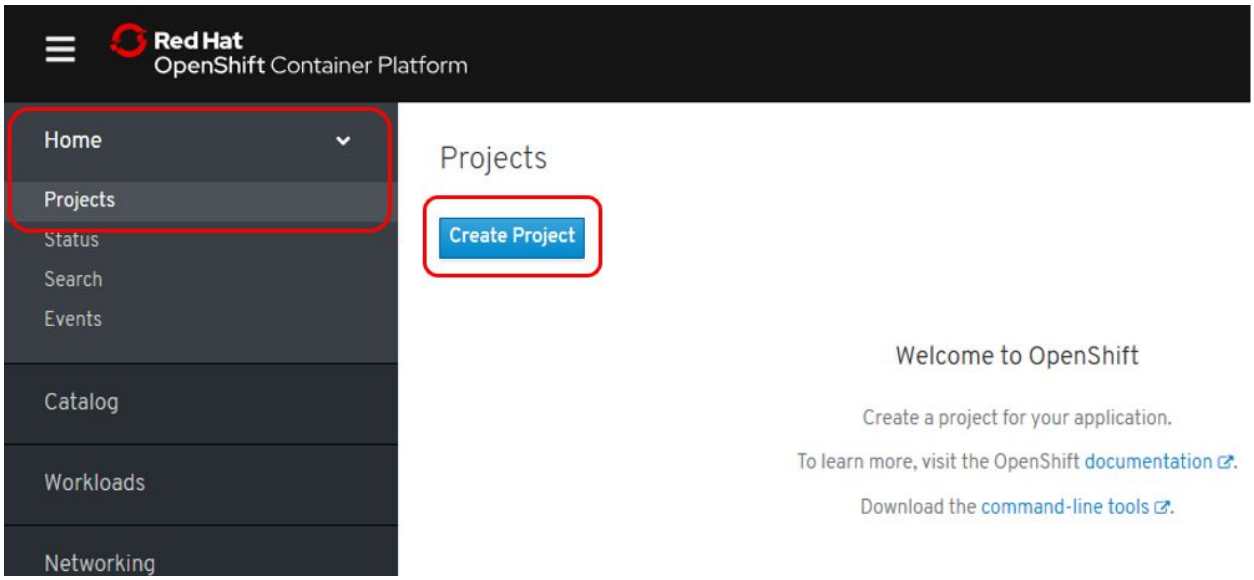
Openshift 4 Workshop Deploy from Source Code

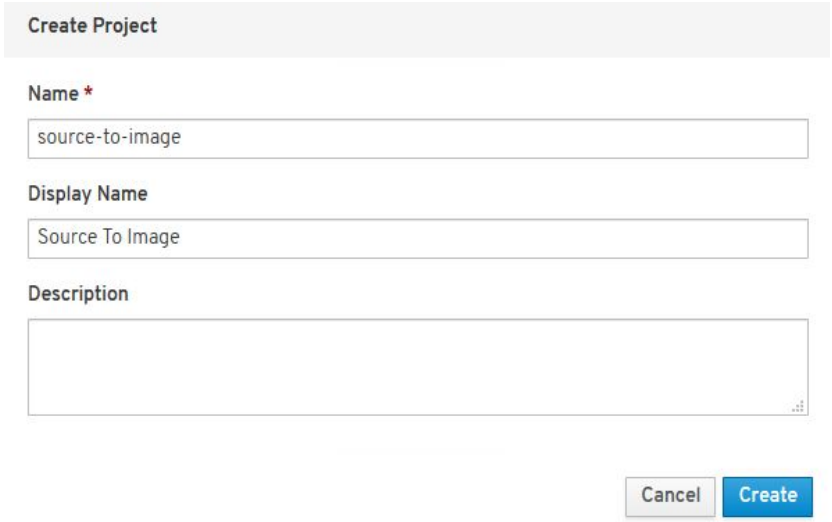
Deploy from Source

In this workshop we will leverage the Openshift Console to create a new project and then add a new application to the project by pointing to a source code repository. The source code from the repository will be automatically retrieved, built and deployed within the container.

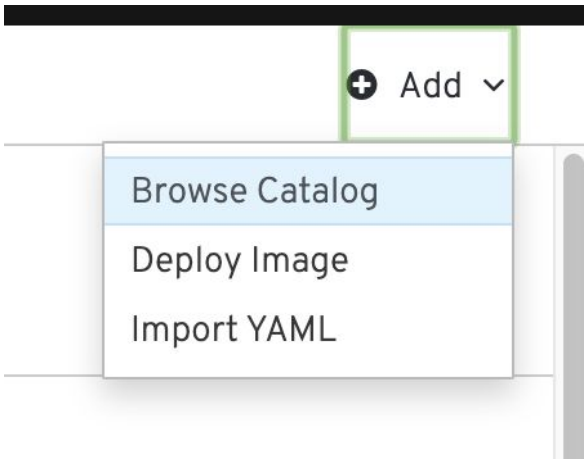
1. Log into Openshift Console - the Instructor will provide the URL and your user. Login with user<assigned #> and password is **r3dh4t1!**
2. Click on the **Home->Projects** menu, then select the **Create Project** button.



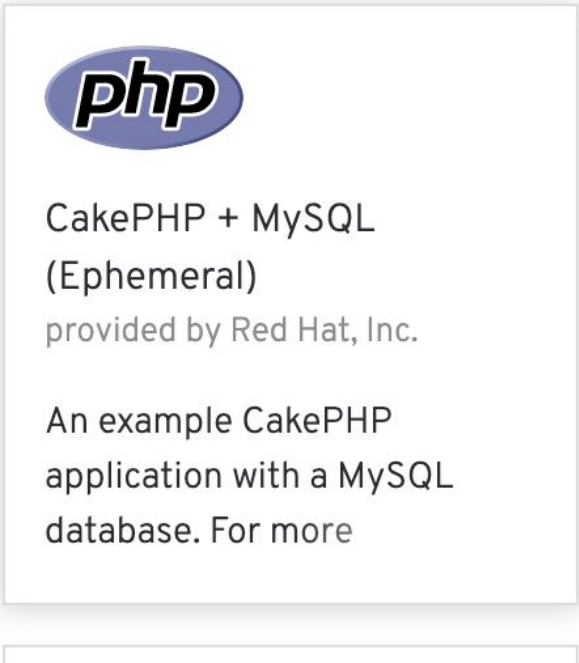
3. Populate **Create Project** dialog with the following information. Use **'user#-source-to-image"** as the project name:



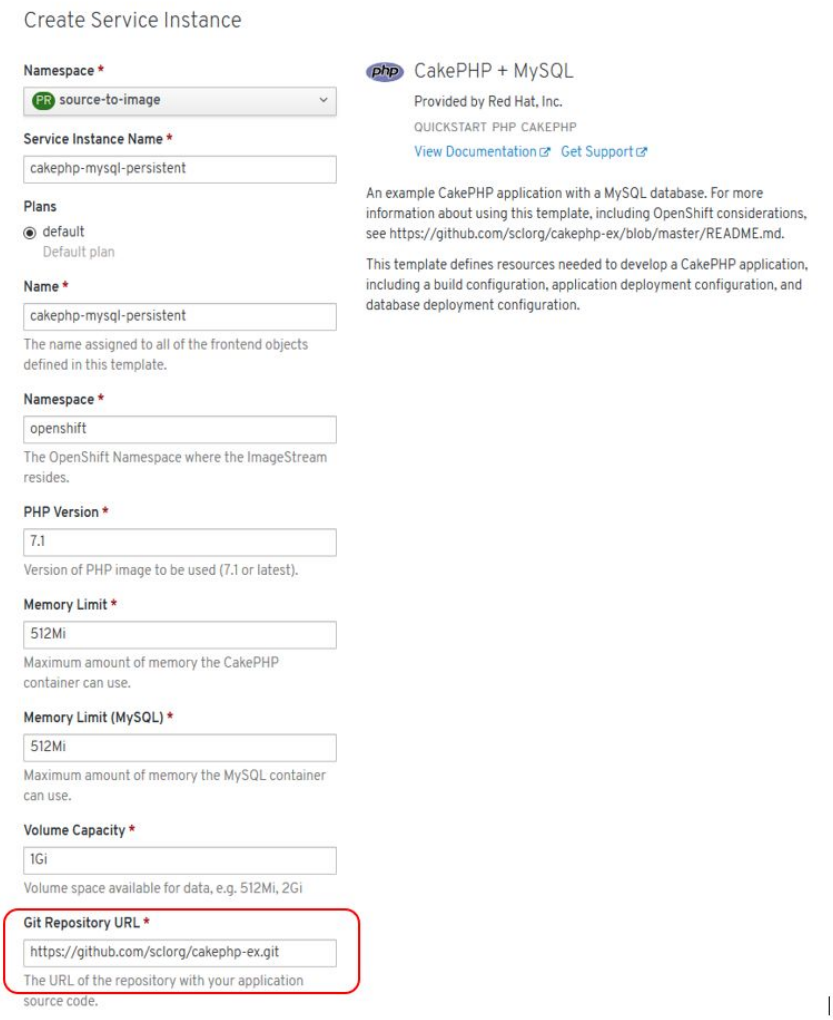
4. In the source-to-image project, click on the **Add->Browse Catalog** button.



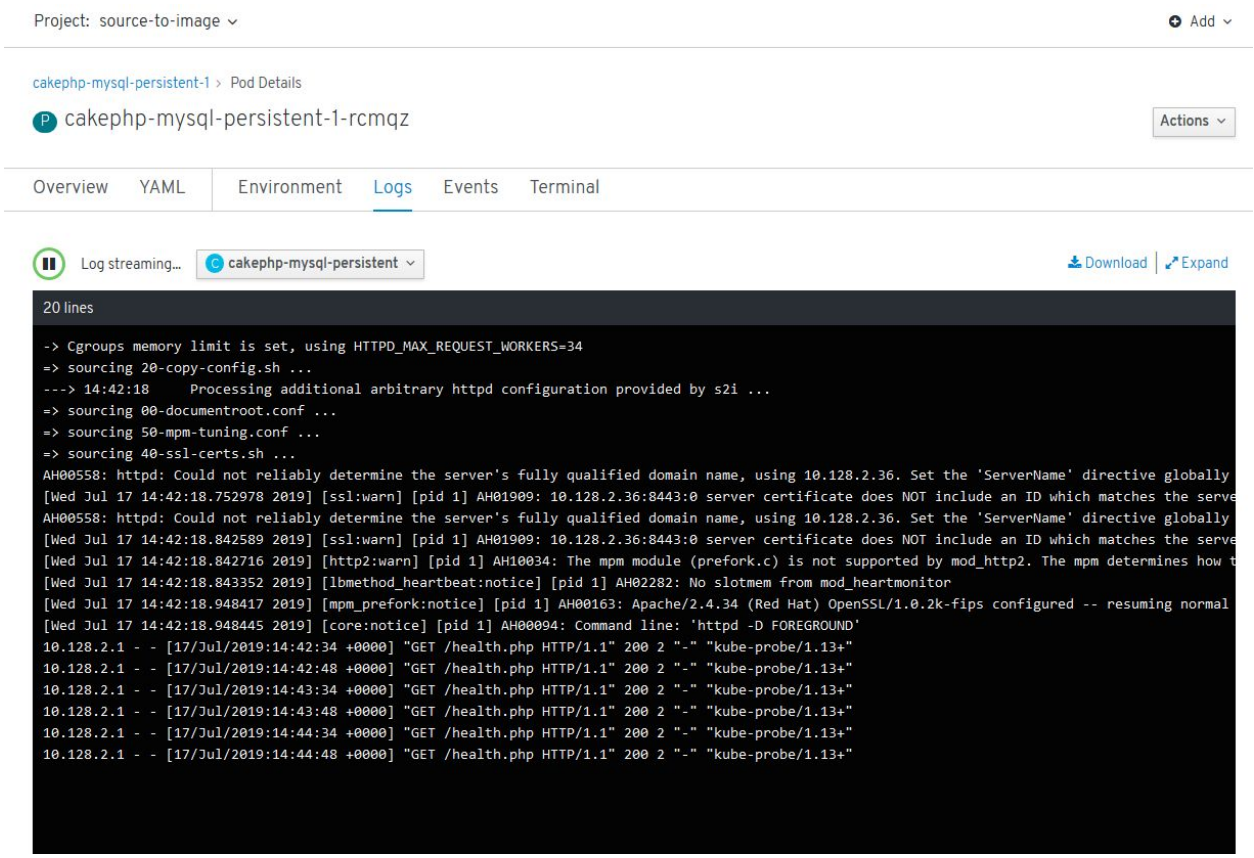
5. In the ***Filter by Keyword*** field search for **php**, select the **CakePHP with MySql Ephemeral** and click on it.



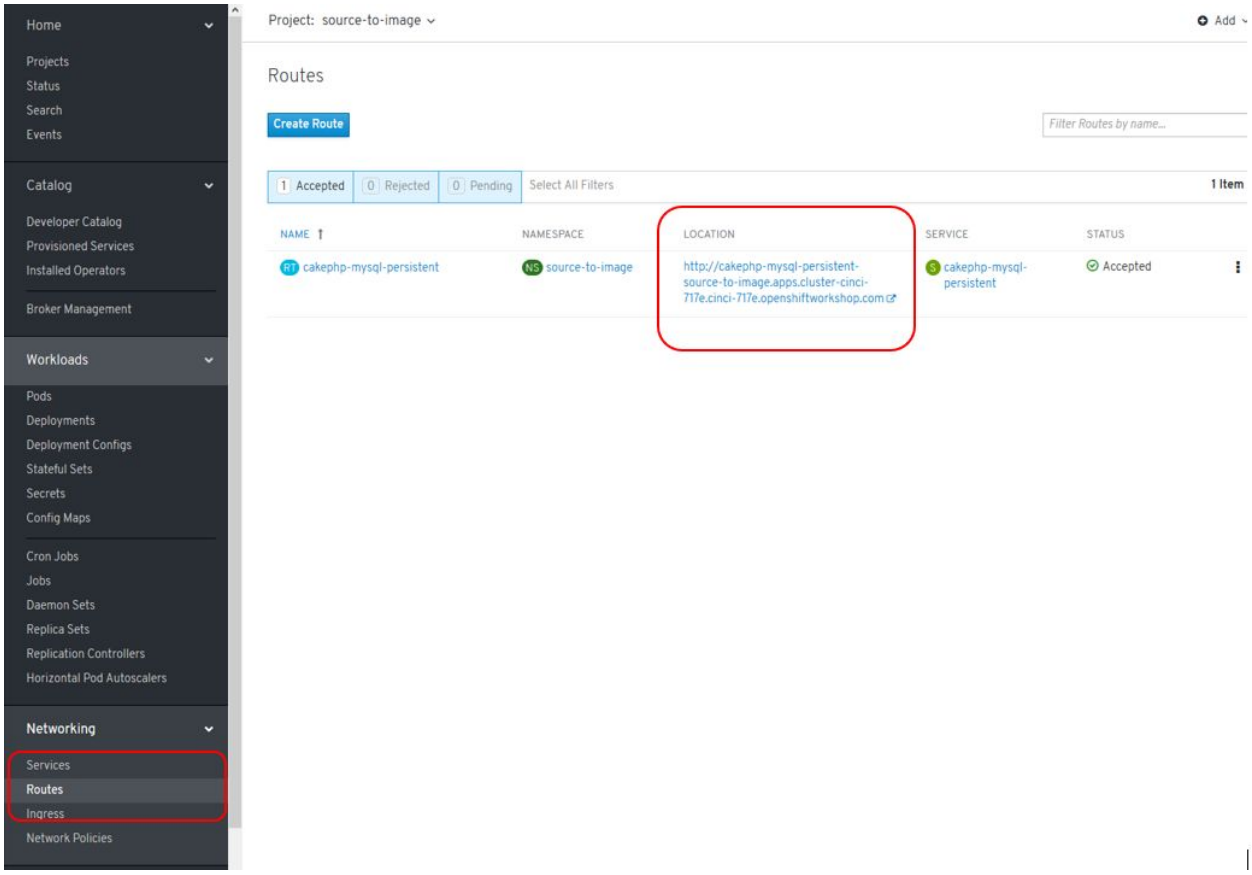
6. Click the **Create Service Instance** button. Take the default values on the screen that follows. Notice the field titled **"Git Repository URL"**, this field points to a GitHub repository where the source code for the application is stored. Openshift will retrieve the PHP code from the repository and use it when provisioning the container.



7. You can monitor the provisioning of the container by selecting the **Workloads->Pods** tab on the left. Select the **cakephp-mysql-persisten-1-xxxx** pod, and then select **Logs** tab. You will know the Pod was provisioned successfully when the log conveys "**Push Successful"** and then begins running the actual code.



8. You can view the application in your web browser by locating its Route. To do this use the menu on the left and select **Networking->Routes**. This will display all routes. On the right panel you'll see the route for the **cakephp-mysql-persistent** application. Click on the **Location** field for this Route to display the application in another window.


Home
Projects
Status
Search
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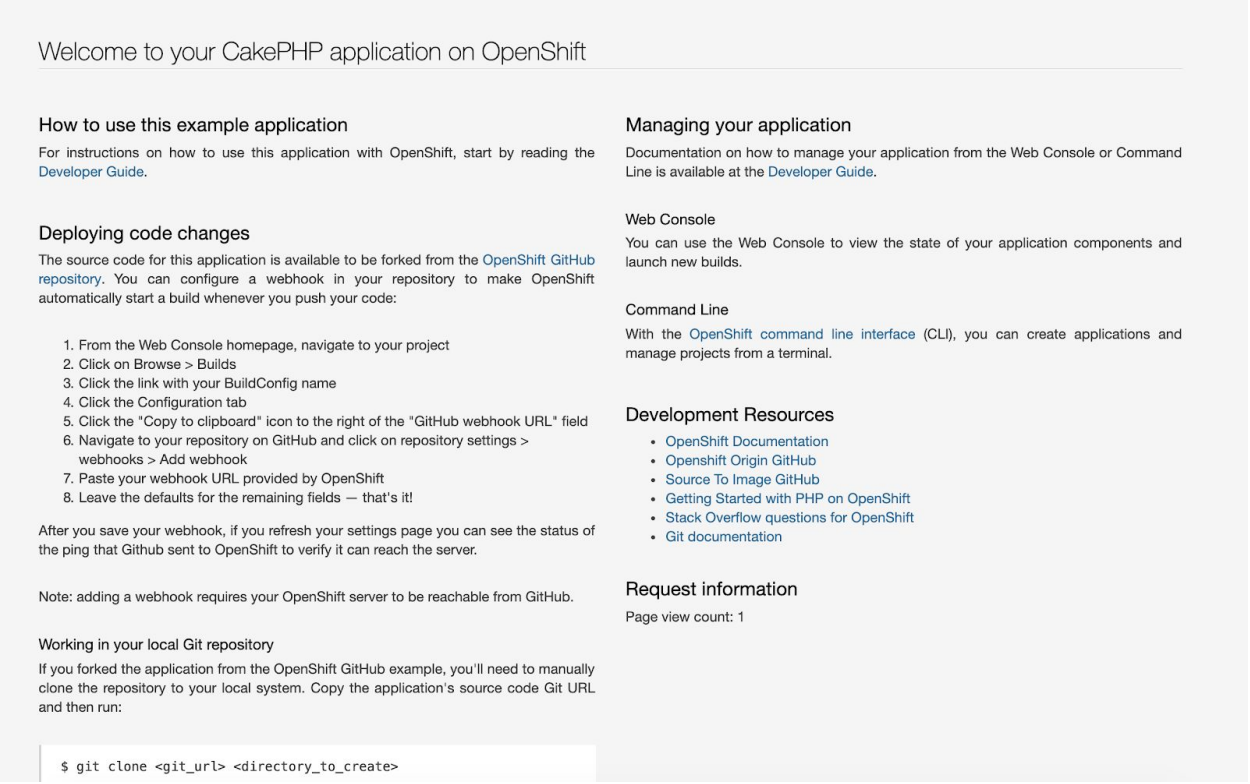
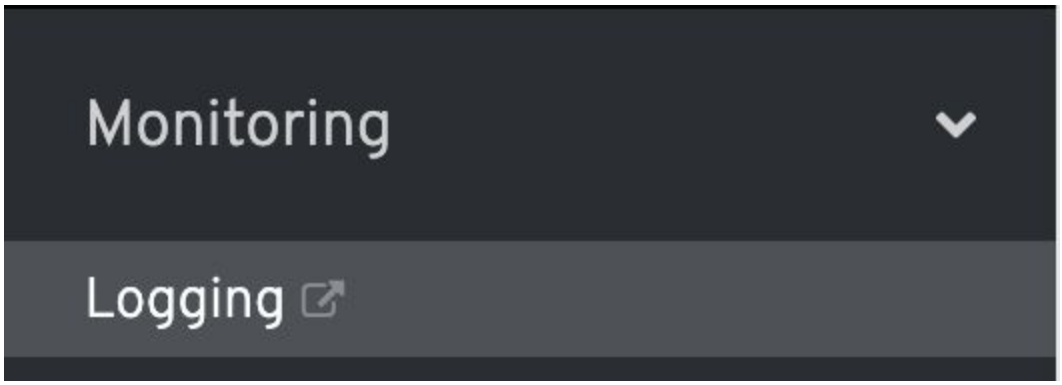
Catalog
Developer Catalog
Provisioned Services
Installed Operators
Broker Management
Workloads
Pods
Deployments
Deployment Configs
Stateful Sets
Secrets
Config Maps
Cron Jobs
Jobs
Daemon Sets
Replica Sets
Replication Controllers
Horizontal Pod Autoscalers
Networking
Services
Routes
Ingress
Network Policies
Project: source-to-image
Add
Routes
Create Route
Filter Routes by name...
1 Accepted
0 Rejected
0 Pending
Select All Filters
1 Item
NAME
NAMESPACE
LOCATION
SERVICE
STATUS
RT cakephp-mysql-persistent
NS source-to-image
http://cakephp-mysql-persistent-source-to-image.apps.cluster-cinci-717e.cinci-717e.openshiftworkshop.com
S cakephp-mysql-persistent
Accepted

9. The application should look like the following image:



10. Check Monitoring available with Kibana



11. Click Logging, search for “cake”