Application Source is available at <https://github.com/suresram>

Install the application in the following order –

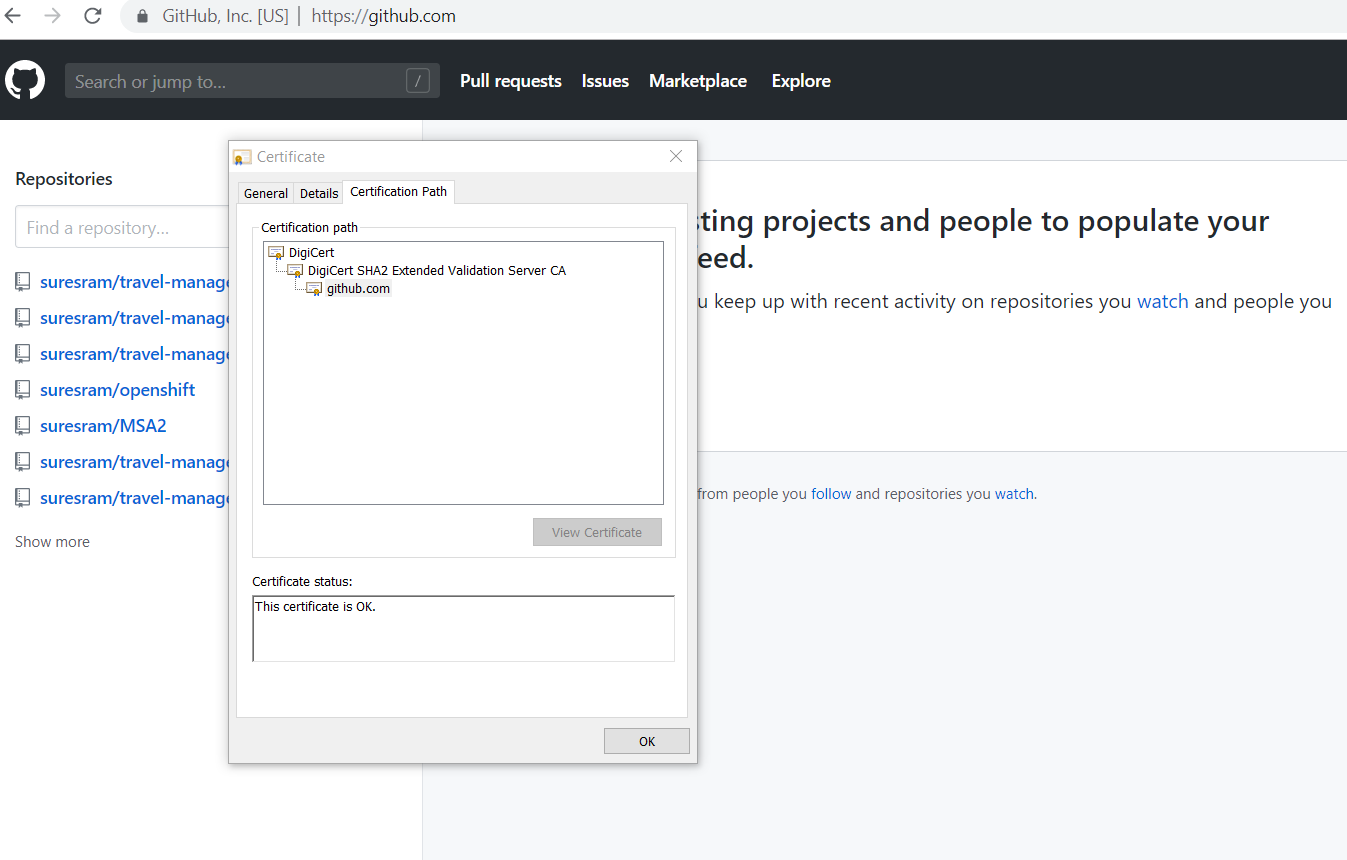
* [travel-management-config-server](https://github.com/suresram/travel-management-config-server) – which uses the config repo - <https://github.com/suresram/travel-management-config-repo>
* [travel-management-eureka-server](https://github.com/suresram/travel-management-eureka-server)
* [travel-management-zuul-server](https://github.com/suresram/travel-management-zuul-server)
* [travel-management-auth-server](https://github.com/suresram/travel-management-auth-server)
* [travel-management-trip-query-api](https://github.com/suresram/travel-management-trip-query-api)
* [travel-management-ui](https://github.com/suresram/travel-management-ui)

# Building and running applications in Local

**All the services are built using JDK 1.8, Ensure that the correct JDK version is used.**

For running the application in local, use the spring profile “local”(JVM Argument -Dspring.profiles.active=local).

**Config Server** – Config Server uses the github config repo. Download the github certificate and add it to the java truststore (cacerts file of the JDK).



Run the scripts present in the attached file to insert test data to mongo collections.



**For UI**, Run command “npm install” to download all the node modules before running the “npm run-script build” or “npm run-script start” command.

# Steps to build and deploy the applications in Openshift

**Deploy Config Server**

1. Create a new project in openshift

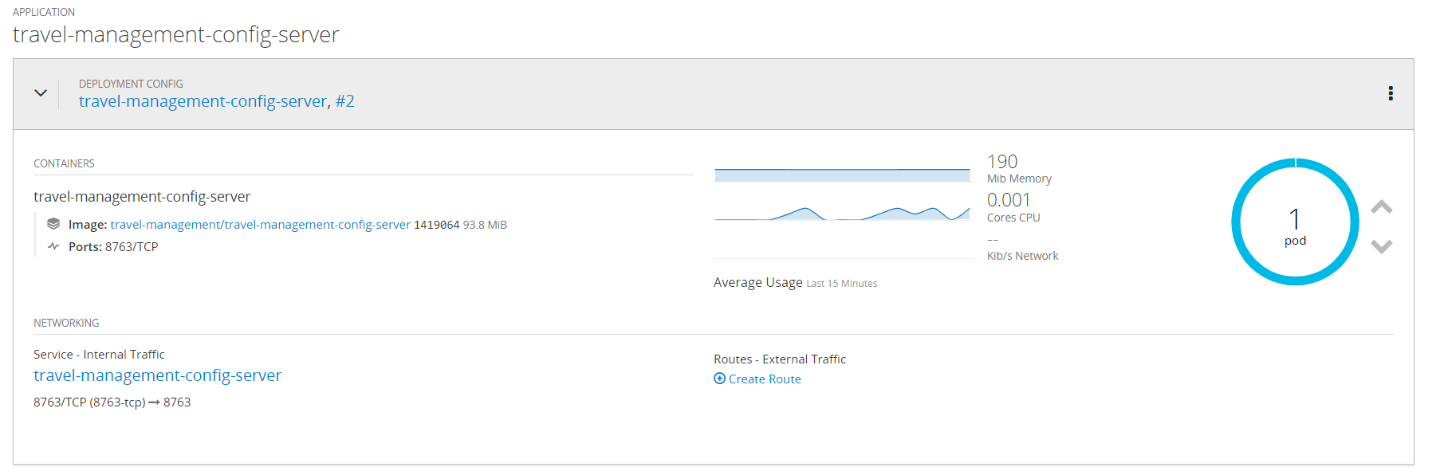
oc new-project travel-management

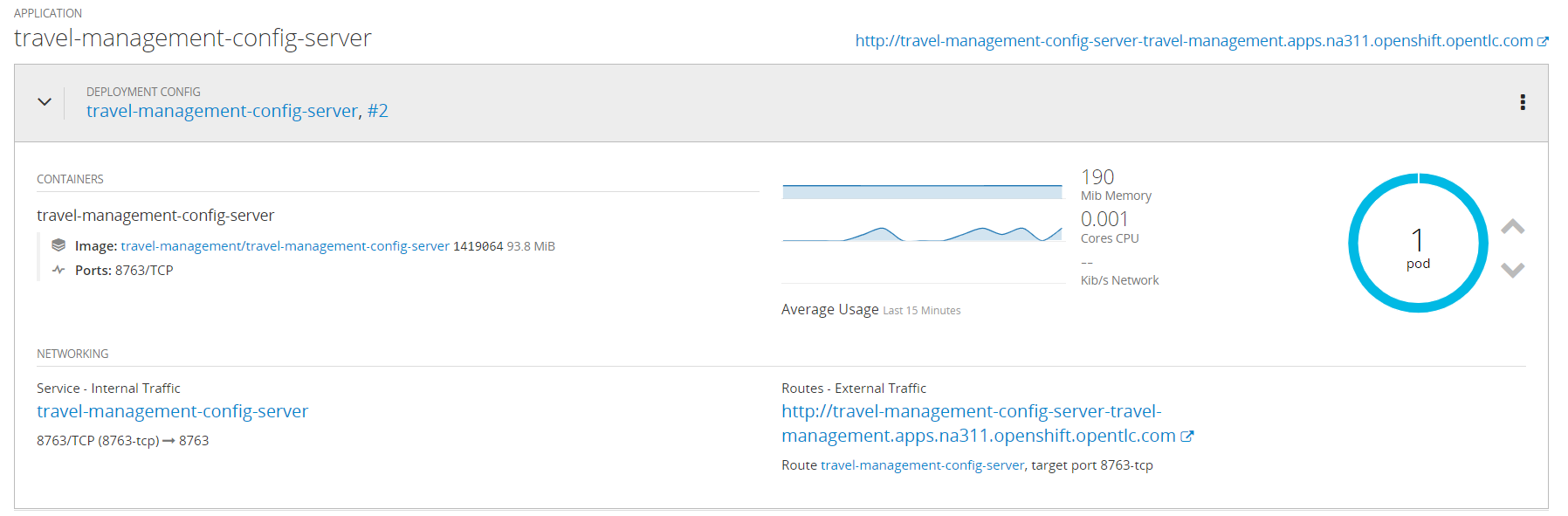
1. Create a new build

oc new-build https://github.com/suresram/travel-management-config-server.git

This will pull the docker file from the git repo, build the image and deploy the application in openshift. Docker file is available at - <https://github.com/suresram/travel-management-config-server/blob/master/Dockerfile>

1. Click “Create Route” to create route so that the application is available via internet.

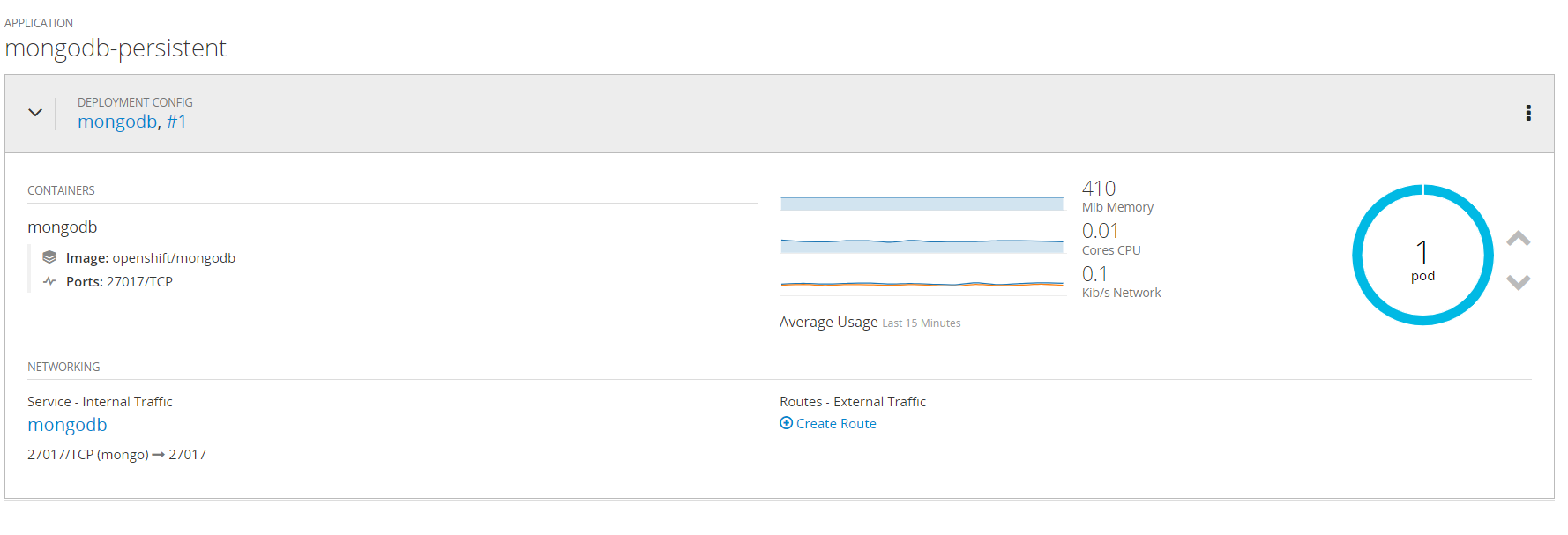




**Deploy Mongo**

Run the following command to deploy Mongo DB. The MongoDB openshift template is present in the following location. <https://github.com/suresram/openshift/blob/master/mongo.yaml>

oc new-app /home/suresh.r-cognizant.com/mongo.yaml



**Deploy other services and UI application as mentioned in the order**

**Configure Services to use Openshift MongoDB**

Configure the mongodb uri as follows. Here “mongodb” is the openshift mongodb service ID. Refer the above screenshot – Under Networking Section.

|  |
| --- |
| spring: |
|  | data: |
|  | mongodb: |
|  | uri: mongodb://${database-user}:${database-password}@mongodb/${database-name} |

The services that use mongodb should have the placeholder properties (username, password, database) defined.

In Deployment Config – Under Environment section – Click Add value from config map or secret and define the following properties.

