04 May 2023   12:39

Version :

Token generation and Login in CLI :

Scaling up an application by using openshift :

1. Pulling a spring sample code from github repository:
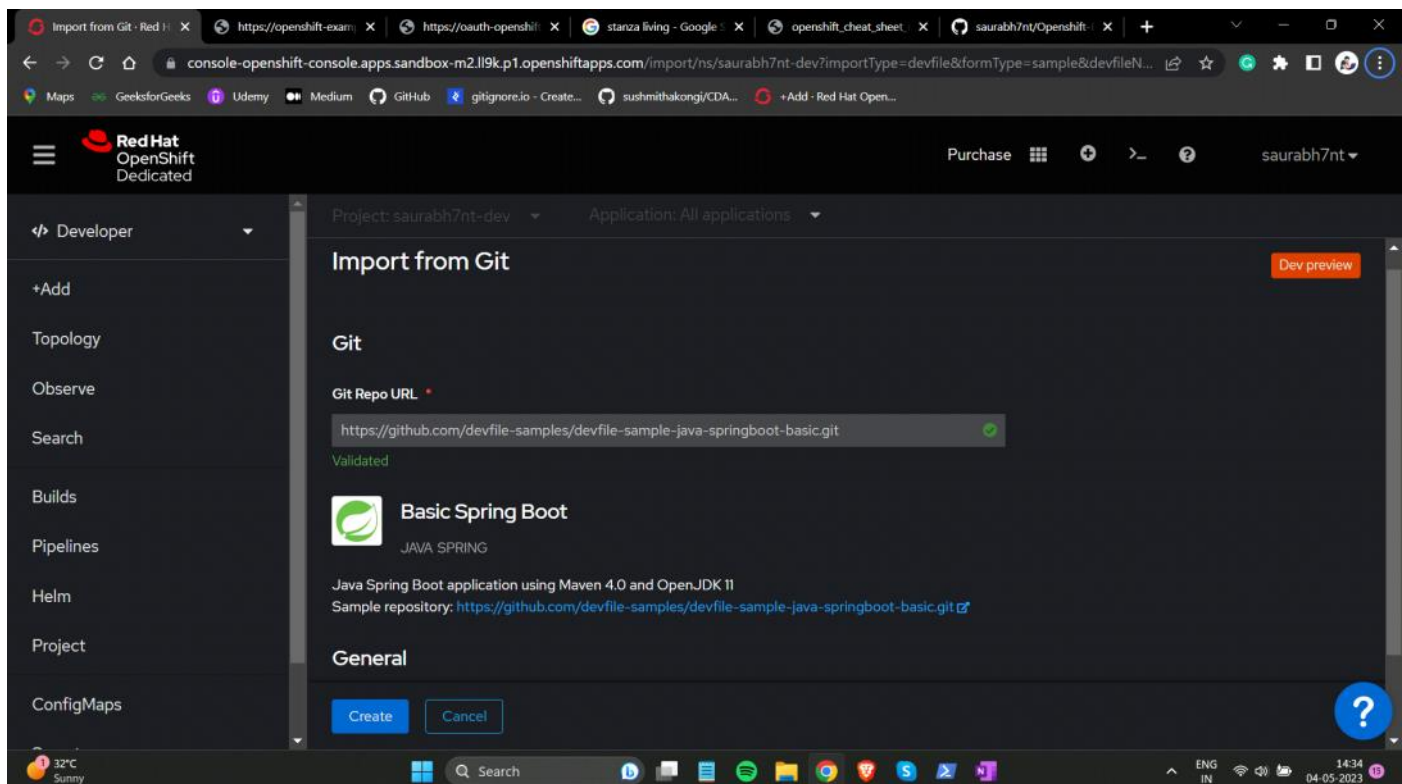
2.Build Complete
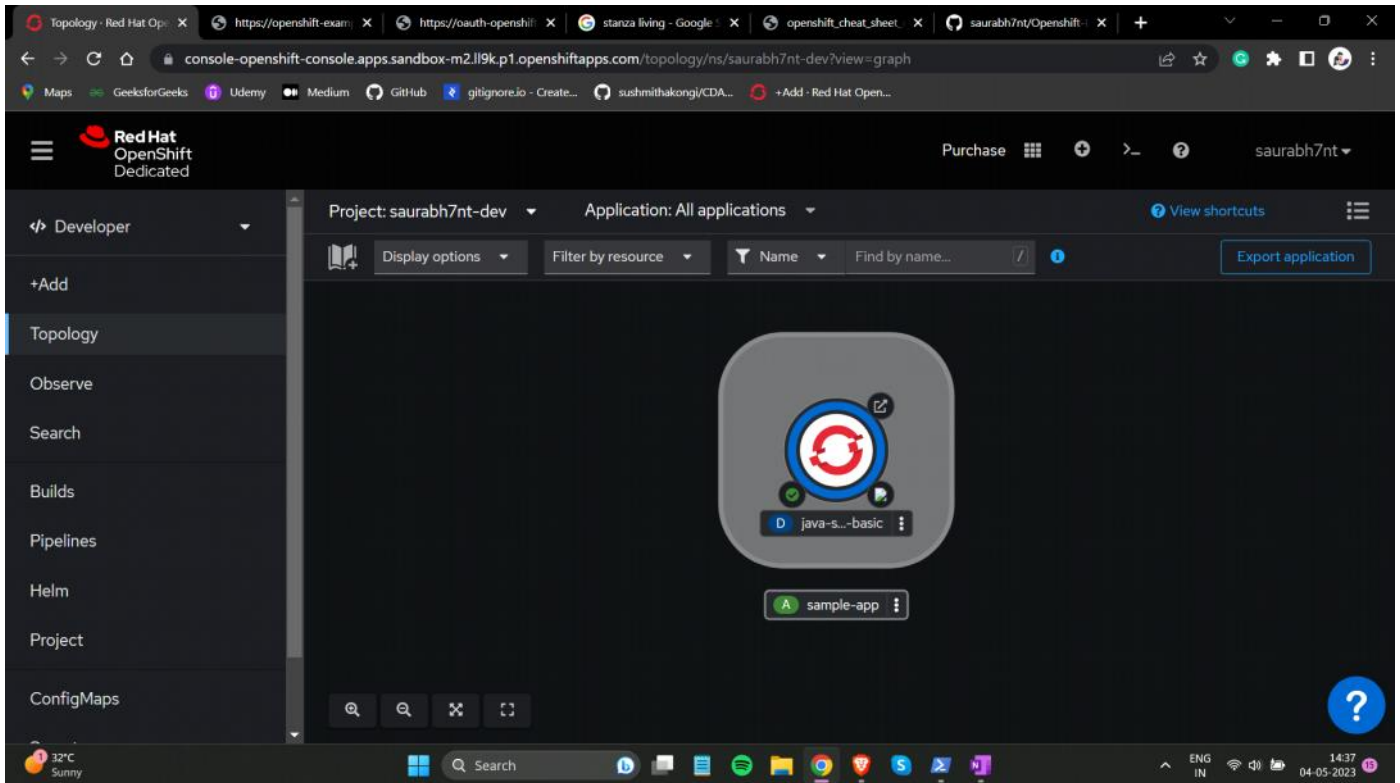
3. Getting the application information on CLI :

4. Now I can access the spring app using routes :

5. Scaling up the pod count :

6. Increasing it further to 3 :
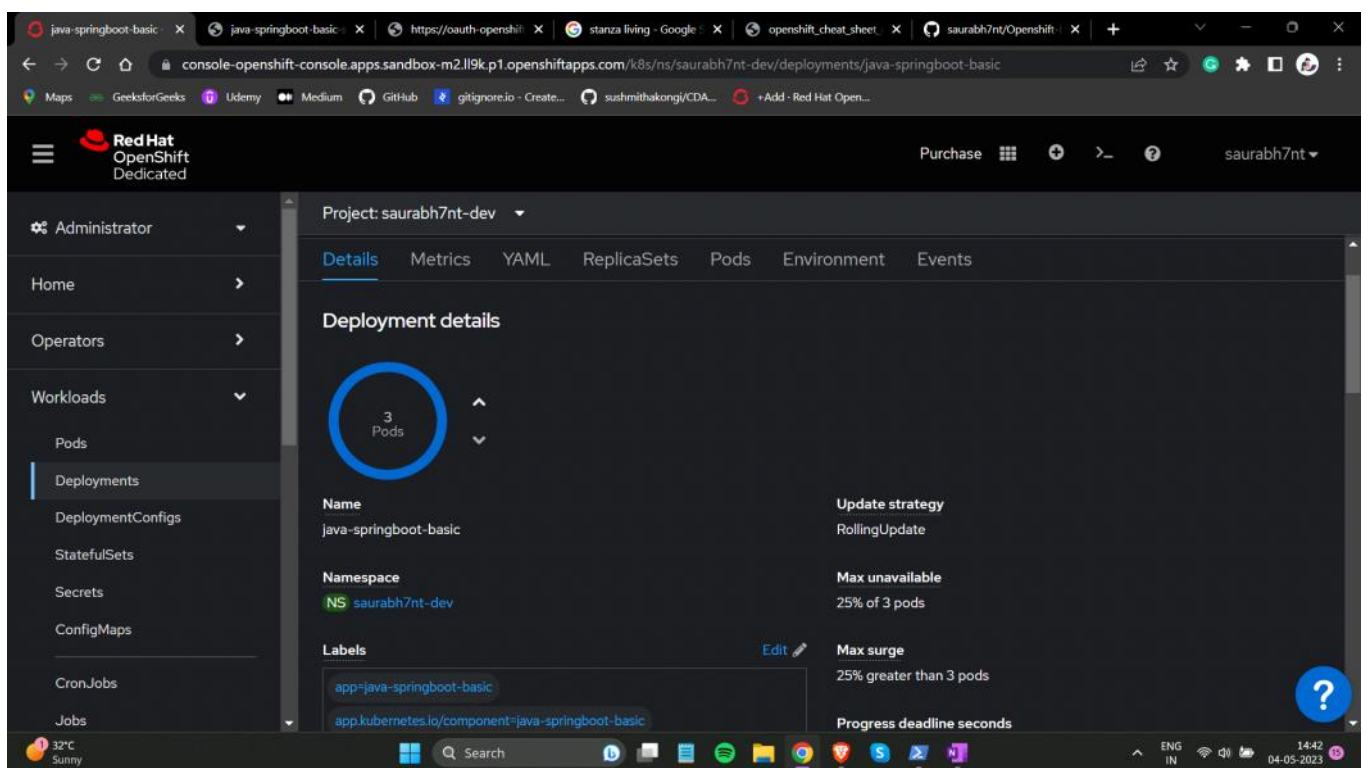
7. Pods Details :

```
PS C:\Users\LEGION> oc get rs
NAME                               DESIRED    CURRENT    READY    AGE
java-springboot-basic-b7f75cf48    2          2          2        5m30s
java-springboot-basic-d86bc7c77    0          0          0        7m20s
PS C:\Users\LEGION> oc get rs
NAME                               DESIRED    CURRENT    READY    AGE
java-springboot-basic-b7f75cf48    3          3          3        6m24s
java-springboot-basic-d86bc7c77    0          0          0        8m14s
PS C:\Users\LEGION> oc get pods
NAME                                     READY    STATUS       RESTARTS    AGE
java-springboot-basic-1-build            0/1      Completed    0           9m14s
java-springboot-basic-b7f75cf48-c6qqm    1/1      Running      0           105s
java-springboot-basic-b7f75cf48-j7shb    1/1      Running      0           3m15s
java-springboot-basic-b7f75cf48-mg6n8    1/1      Running      0           7m23s
PS C:\Users\LEGION>
```
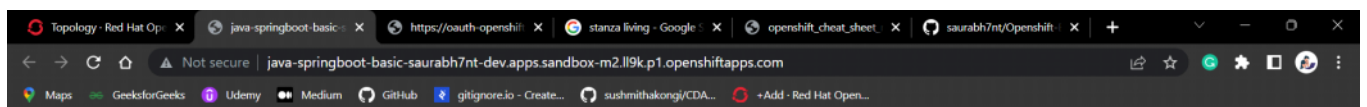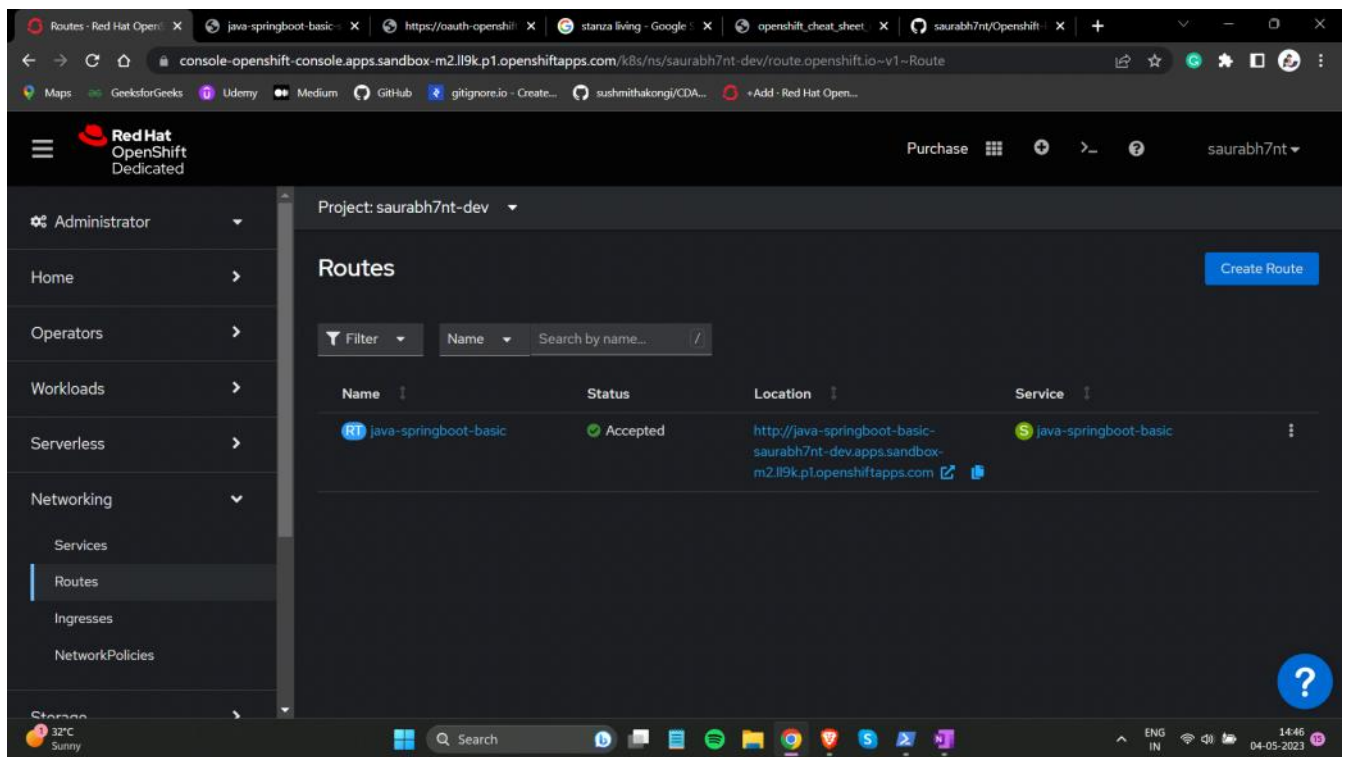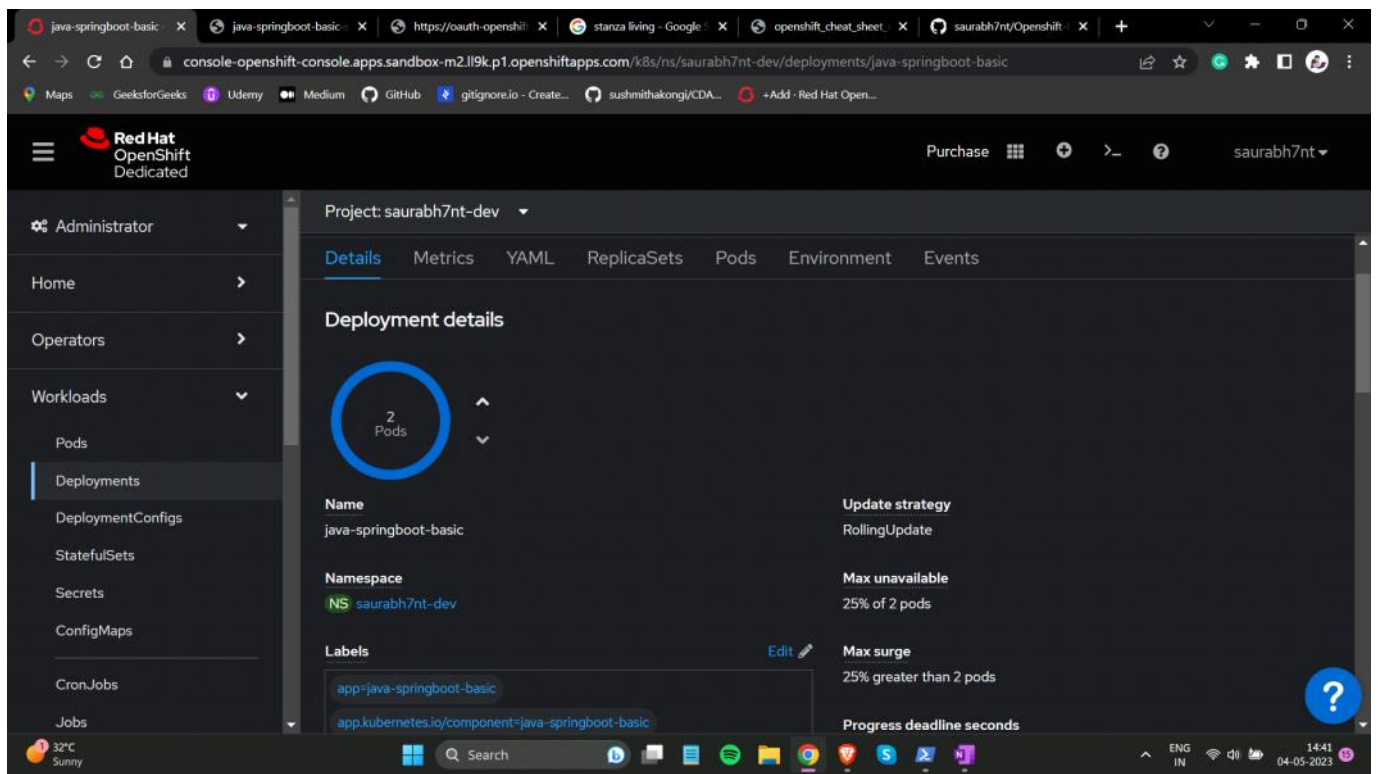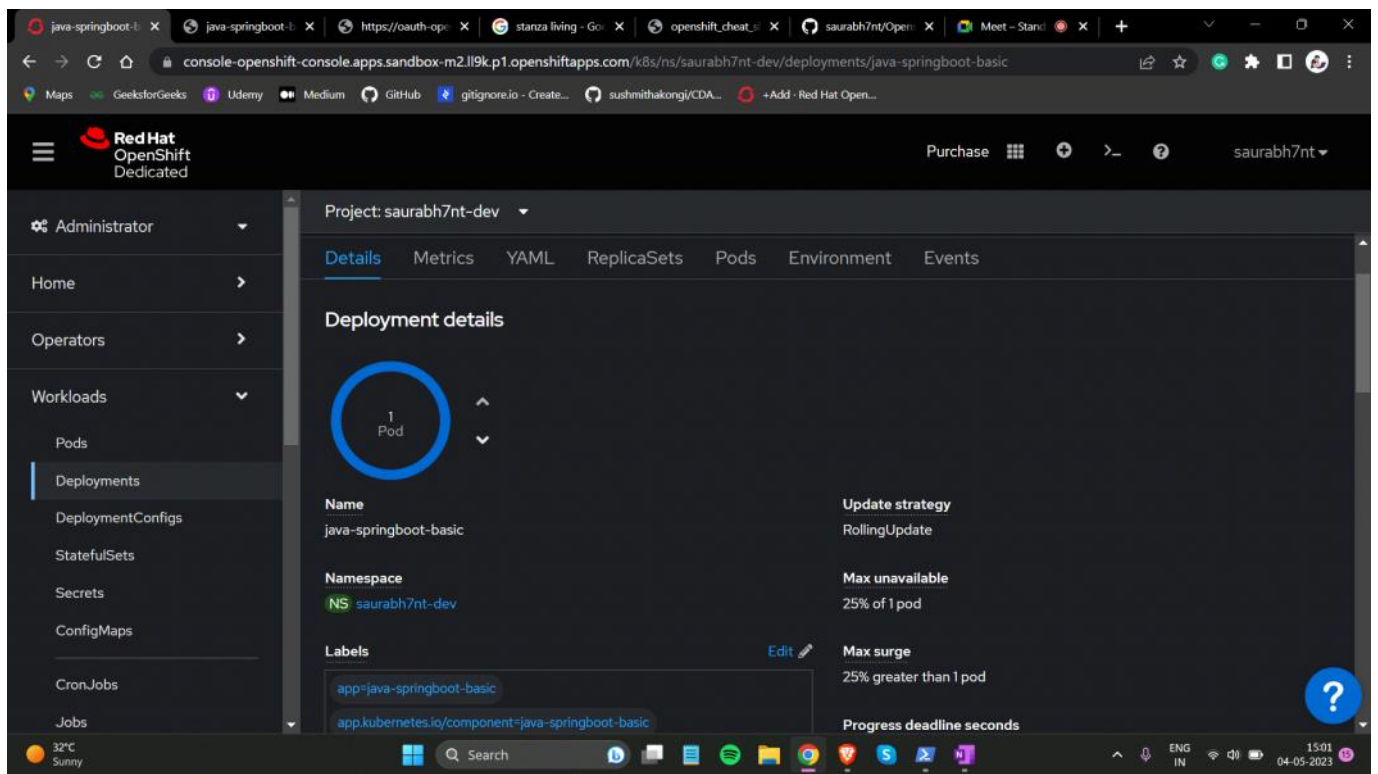
8. Application Self-healing :

  - After successfully deleting a pod, RS will detect that
    one pod is less so in order to match the number of pods
    in a RS after deleting a pod one new pod will also get
    created but with different name.


```
PS C:\Users\LEGION> oc get pods
NAME                                     READY    STATUS             RESTARTS    AGE
java-springboot-basic-1-build            0/1      Completed          0           19m
java-springboot-basic-b7f75cf48-c6qqm    1/1      Running            0           11m
java-springboot-basic-b7f75cf48-j7shb    1/1      Running            0           13m
java-springboot-basic-b7f75cf48-mg6n8    1/1      Running            0           17m
PS C:\Users\LEGION> oc delete pod java-springboot-basic-b7f75cf48-mg6n8
pod "java-springboot-basic-b7f75cf48-mg6n8" deleted
PS C:\Users\LEGION> oc get pods
NAME                                     READY    STATUS             RESTARTS    AGE
java-springboot-basic-1-build            0/1      Completed          0           19m
java-springboot-basic-b7f75cf48-c6qqm    1/1      Running            0           12m
java-springboot-basic-b7f75cf48-d6dn2    0/1      ContainerCreating  0           6s
java-springboot-basic-b7f75cf48-j7shb    1/1      Running            0           13m
PS C:\Users\LEGION> oc get pods
NAME                                     READY    STATUS             RESTARTS    AGE
java-springboot-basic-1-build            0/1      Completed          0           25m
java-springboot-basic-b7f75cf48-c6qqm    1/1      Running            0           17m
java-springboot-basic-b7f75cf48-d6dn2    1/1      Running            0           5m35s
java-springboot-basic-b7f75cf48-j7shb    1/1      Running            0           19m
PS C:\Users\LEGION>
```

9. Scaling down to 1 pod :

10.