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OpenShift Hosted Components Validation Lab

1. Refresh Running Pods

Sometimes the various services deployed with OpenShift do not restart properly when their certificates or the CA certificates are updated. In this section, you examine the running pods and scale them down and back up to refresh them with their new certificates.

1. Make sure you are on the bastion host and logged in as **root** and connected to the OpenShift cluster as **system:admin**:

oc login -u system:admin

1. Examine all of your running pods for errors:

oc get pods --all-namespaces

**Sample Output**

NAMESPACE NAME READY STATUS RESTARTS AGE

default docker-registry-1-2wvkx 1/1 Running 1 2h

default docker-registry-1-wc48m 1/1 Running 2 2h

default registry-console-1-xd45z 1/1 Running 2 2h

default router-1-cxz21 1/1 Running 3 2h

default router-1-k3m4j 1/1 Running 2 2h

logging logging-curator-1-wp944 1/1 Running 0 8m

logging logging-es-6ofaq7ed-1-nsmxl 1/1 Running 0 9m

logging logging-fluentd-2ntp0 1/1 Running 1 2h

logging logging-fluentd-5vb79 1/1 Running 3 2h

logging logging-fluentd-6x8g2 1/1 Running 1 2h

logging logging-fluentd-87n72 1/1 Running 1 2h

logging logging-fluentd-8dtqb 1/1 Running 2 2h

logging logging-fluentd-n8lsj 1/1 Running 2 2h

logging logging-fluentd-sm8rs 1/1 Running 1 2h

logging logging-fluentd-tf107 1/1 Running 2 2h

logging logging-kibana-1-g24j2 2/2 Running 2 2h

openshift-infra hawkular-cassandra-1-r5dbd 1/1 Running 2 2h

openshift-infra hawkular-metrics-0b8rl 1/1 Running 1 2h

openshift-infra heapster-57ndb 0/1 Error 1 48s

1. Switch the the **openshift-infra** projects

oc project openshift-infra

**Sample Output**

Now using project "openshift-infra" on server "https://master1.${GUID}.internal:443".

1. Scale down the Heapster metrics collection.

oc scale rc heapster --replicas=0

**Sample Output**

replicationcontroller "heapster" scaled

1. Validate the number of running heapster replicas

oc get rc

**Sample Output**

NAME DESIRED CURRENT READY AGE

hawkular-cassandra-1 1 1 1 2h

hawkular-metrics 1 1 1 2h

heapster 0 0 0 2h

1. Scale the Heapster replication controller back up to 1

oc scale rc heapster --replicas=1

**Sample Output**

replicationcontroller "heapster" scaled

1. Examine Pods to Ensure that Heapster is Running

oc get pods

**Sample Output**

NAME READY STATUS RESTARTS AGE

hawkular-cassandra-1-r5dbd 1/1 Running 2 2h

hawkular-metrics-0b8rl 1/1 Running 1 2h

heapster-57ndb 1/1 Running 0 2m

[root@master1 master]*#*

Your cluster is now properly configured with valid certificates.

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