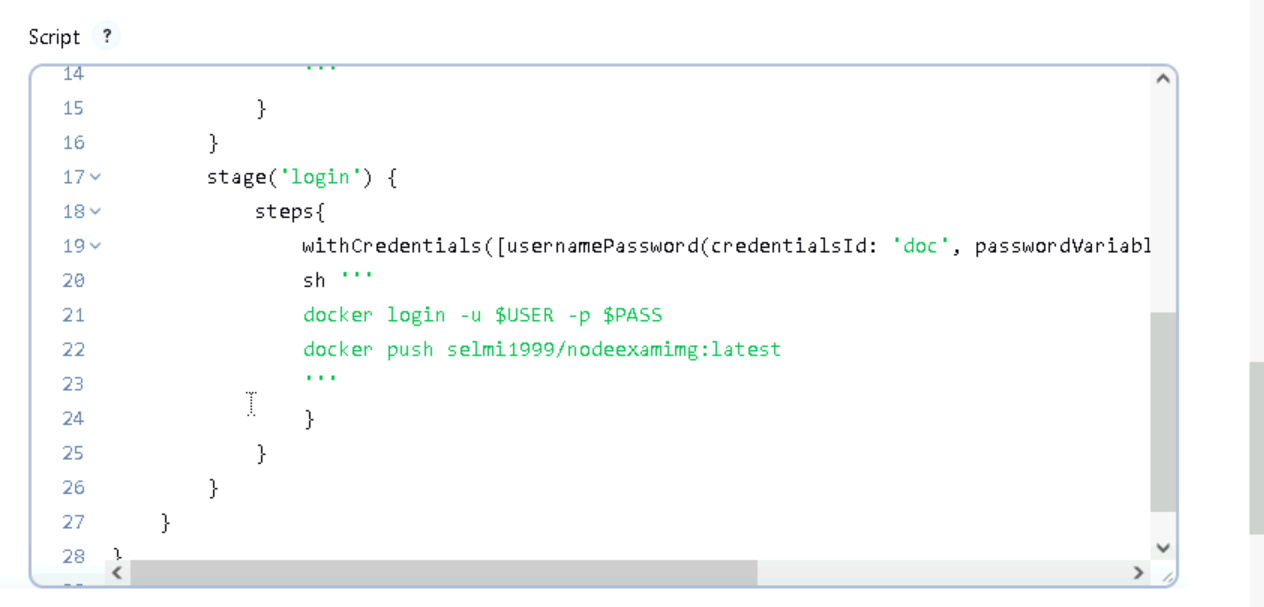
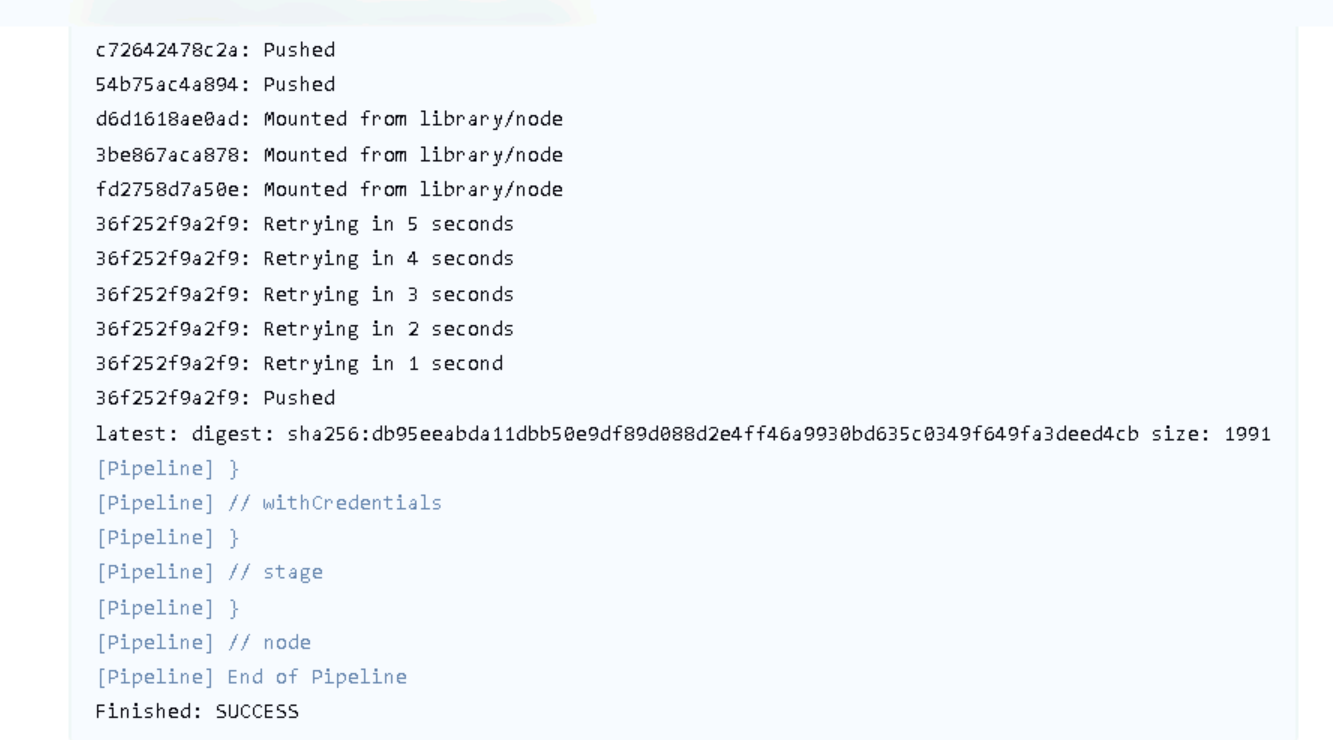
**Q2**

**Jenkins image building and pushing to docker hub**

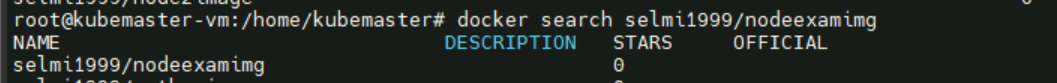
****

****

**Image push success**

****

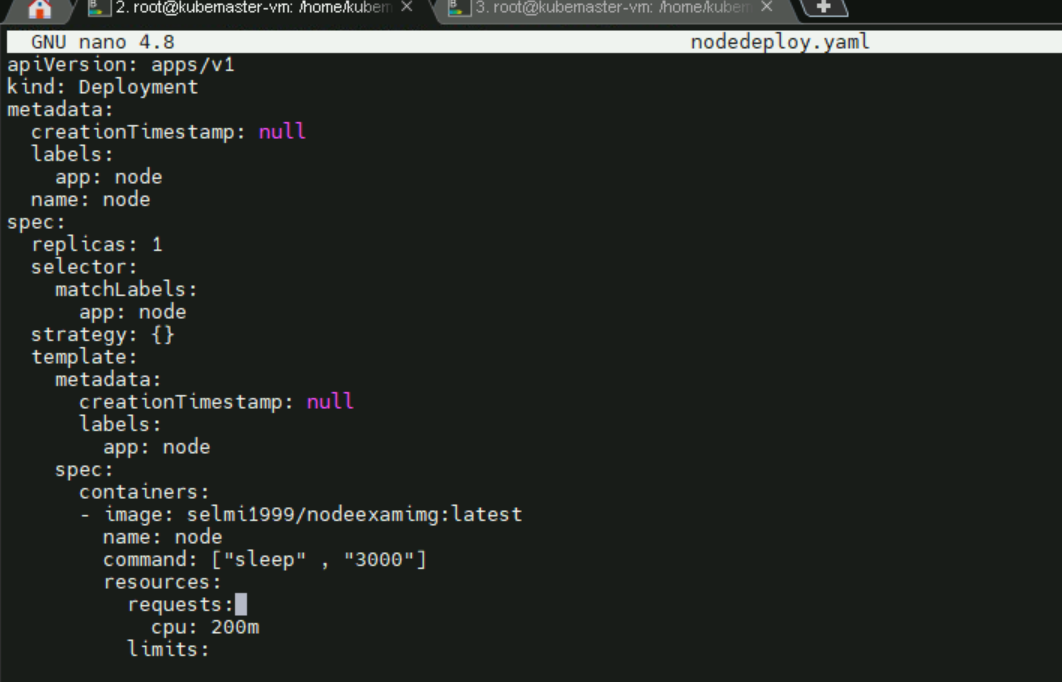
**Image pushed**

****

**STEP1: Deployment creation**

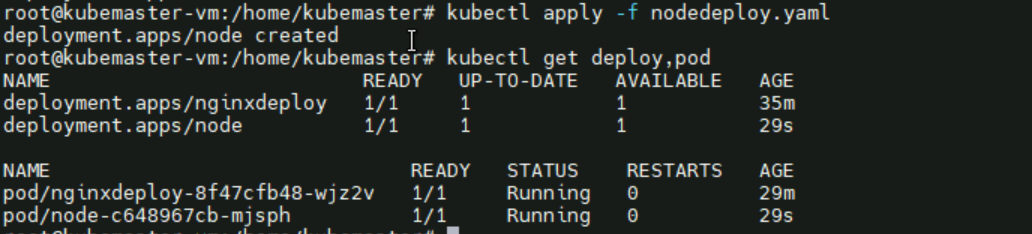
Creating deployment for node using pushed image





Deployment and pod created

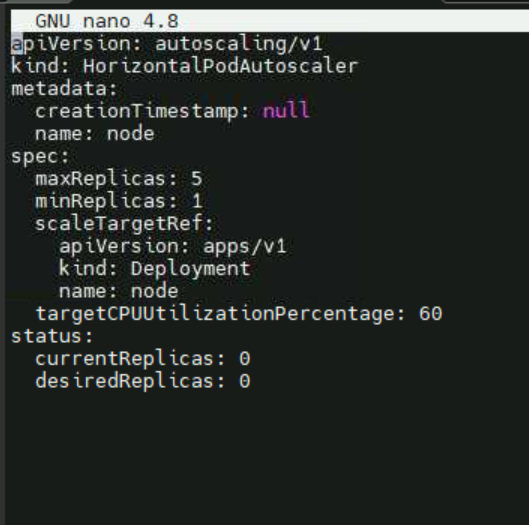
Deployment – node

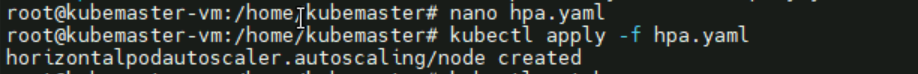


**STEP 2: HPA autoscaling**

Autoscaling the deployment (HPA)

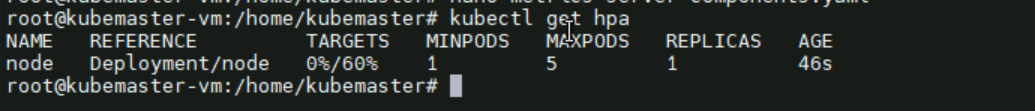




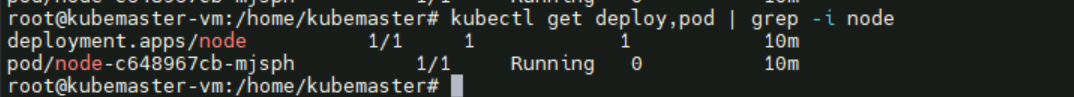


Autoscaling applied

HPA created

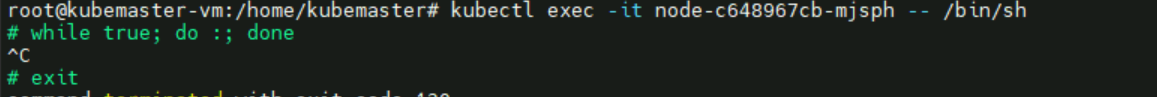


Before load

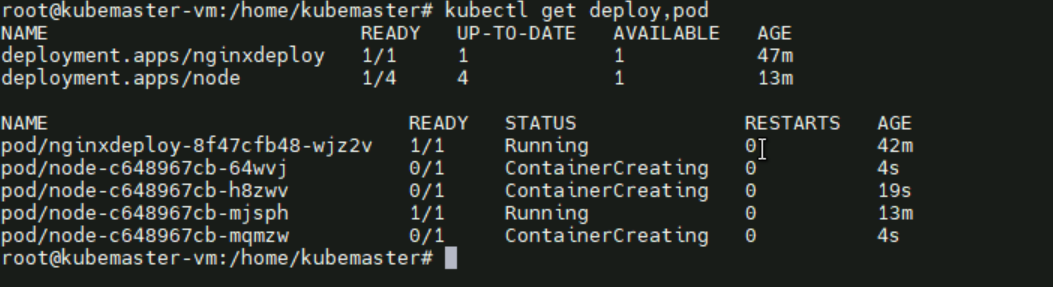


**STEP3: verification**

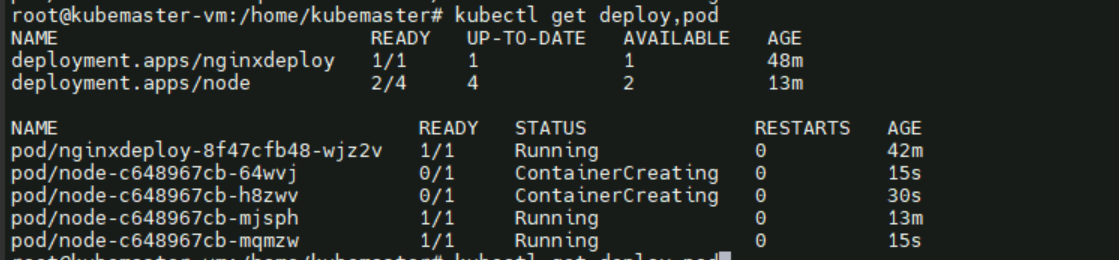
Applying load



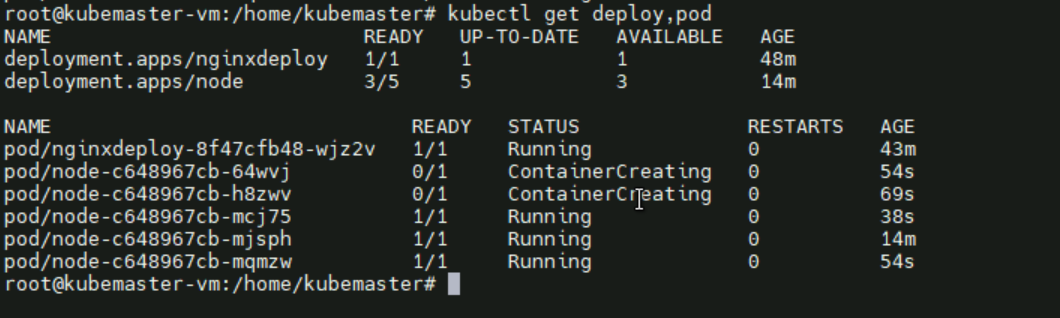
New containers creating



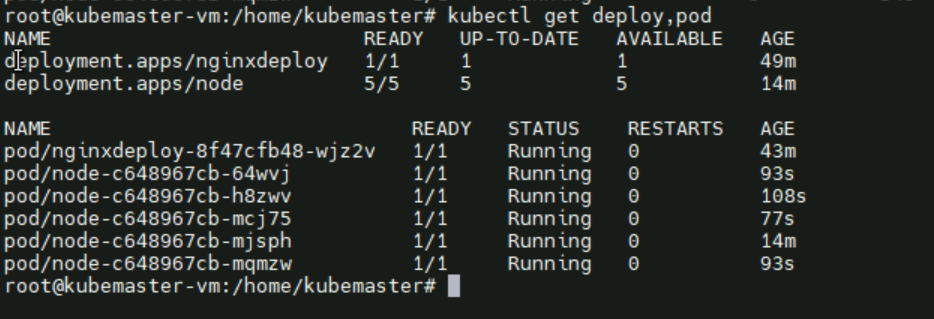
2 container/pod created



3 container/pod created



All 5 container.pod take the load and created



Cpu 50% used