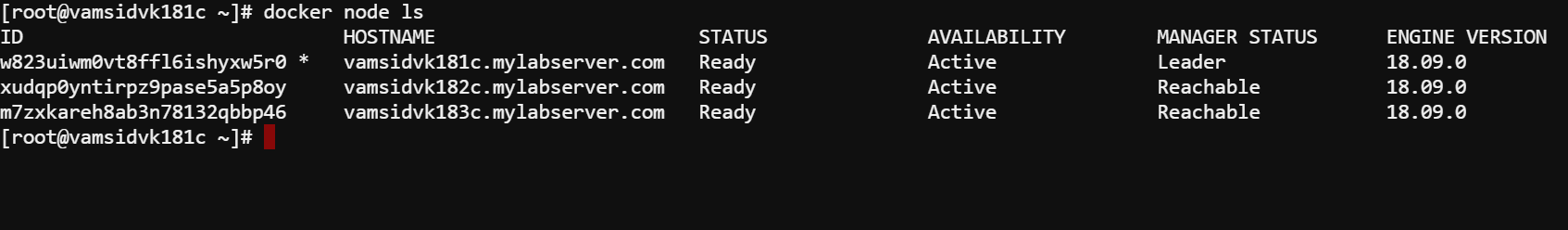
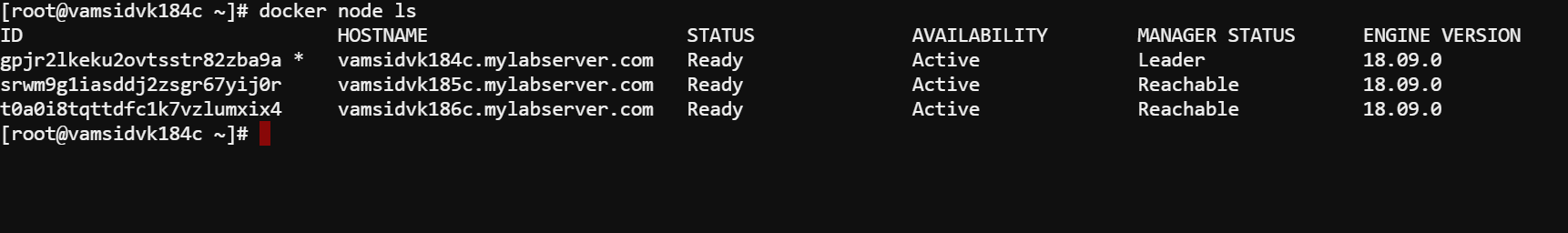
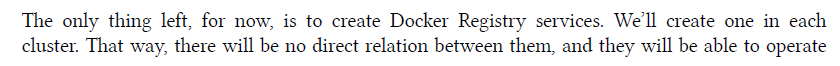


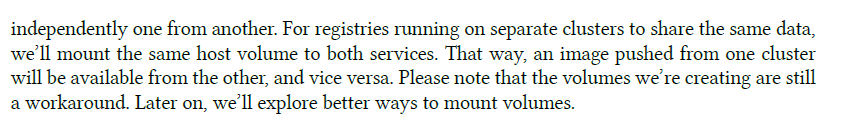
Production cluster is set up as below

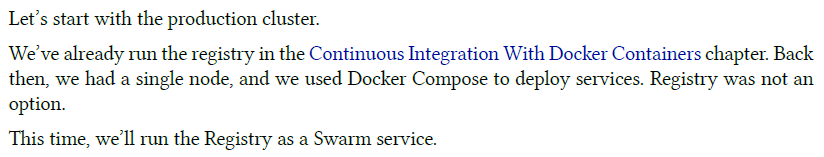


Test cluster is as below

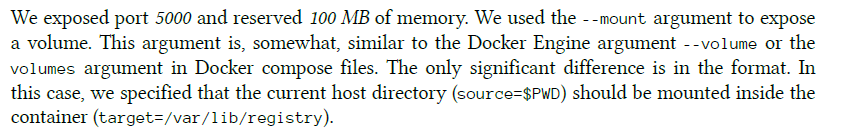


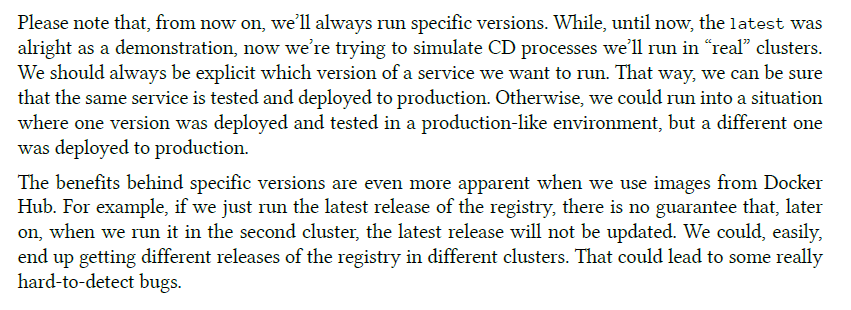


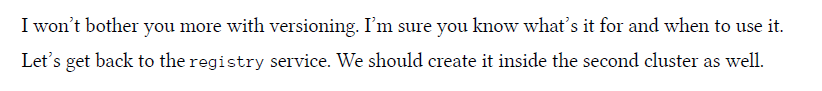


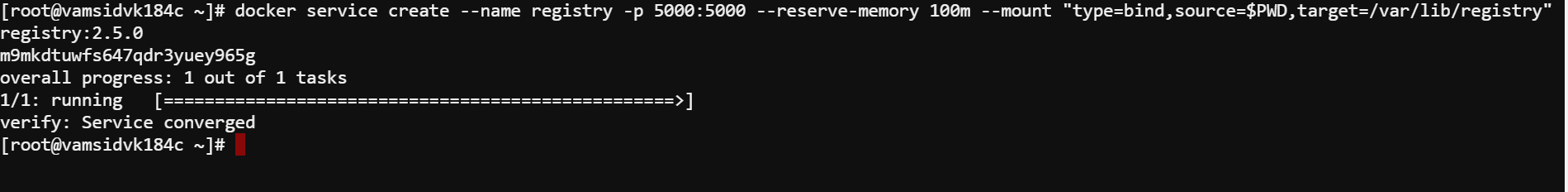


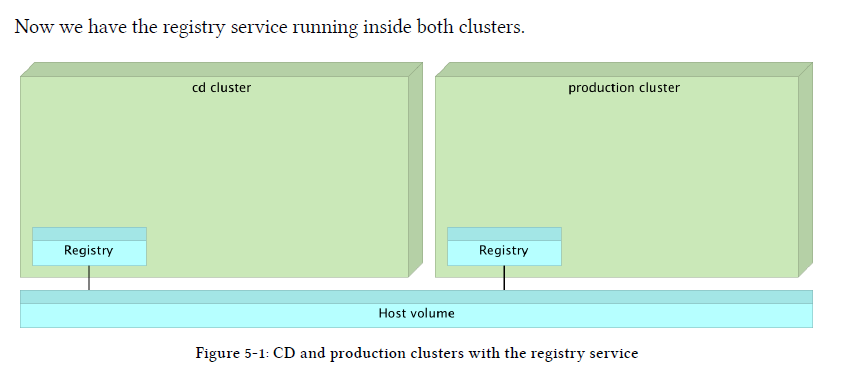




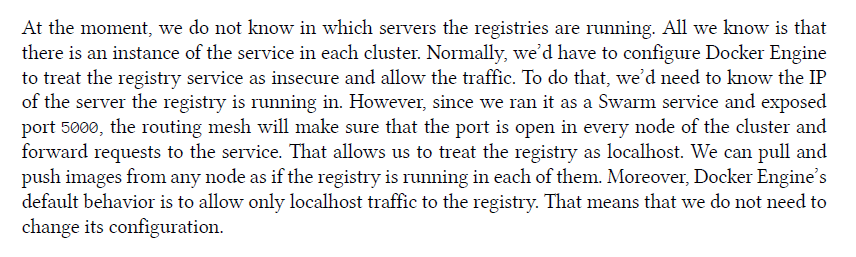


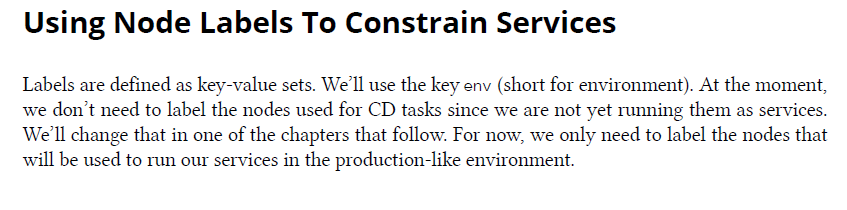


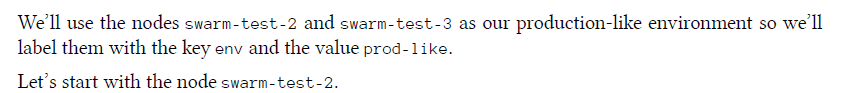




Here author uses the docker-machine to deploy the cluster which shares the volume among the clusters that would depict the above picture. But in our case we have to utilize the NAS mount storage such as AWS EFS

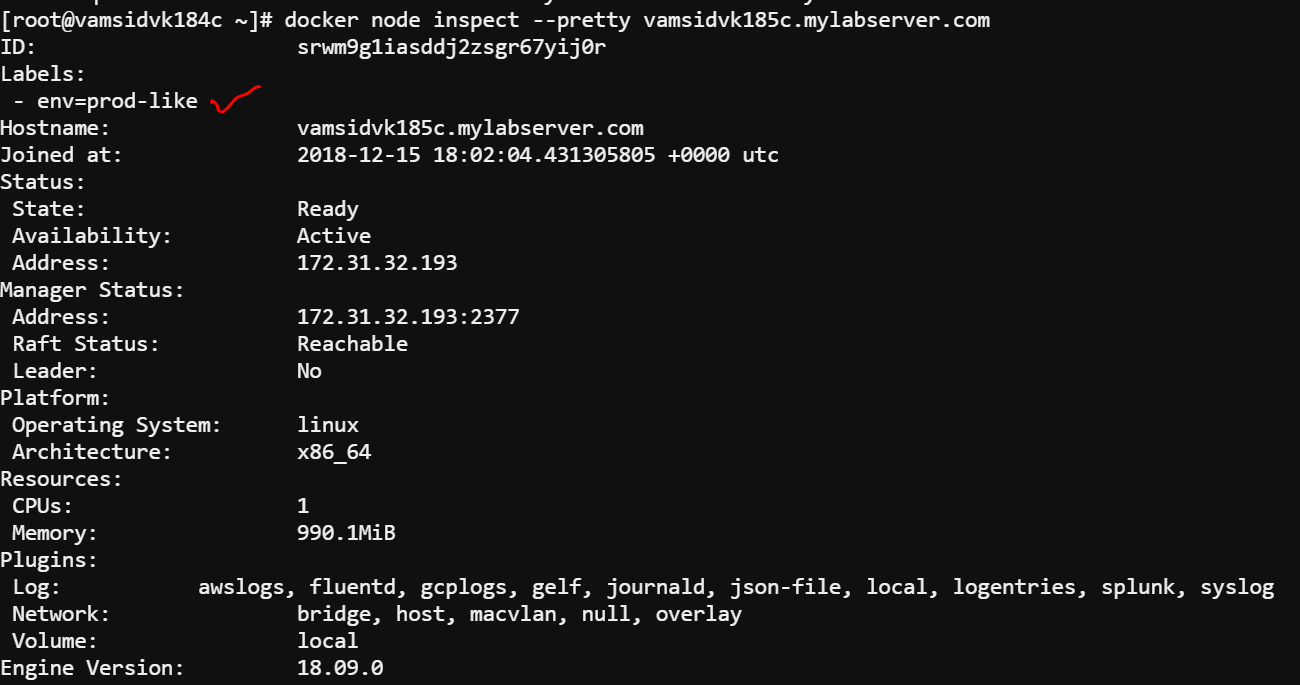


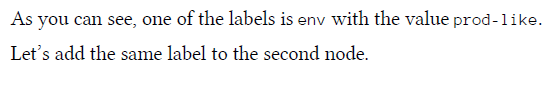


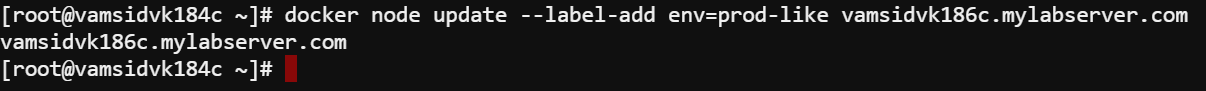


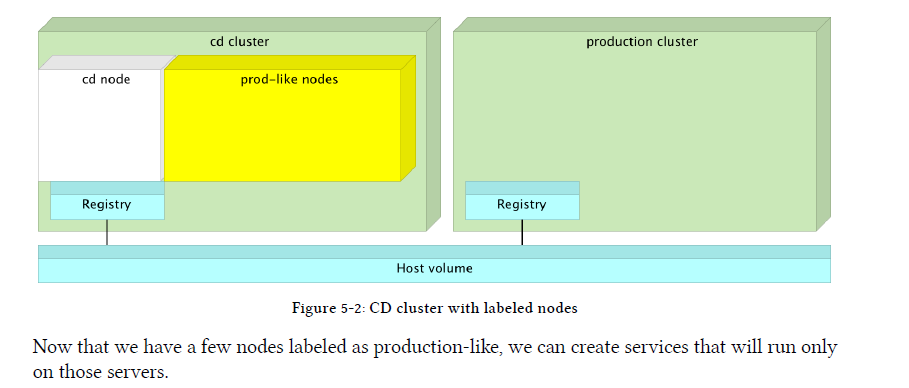




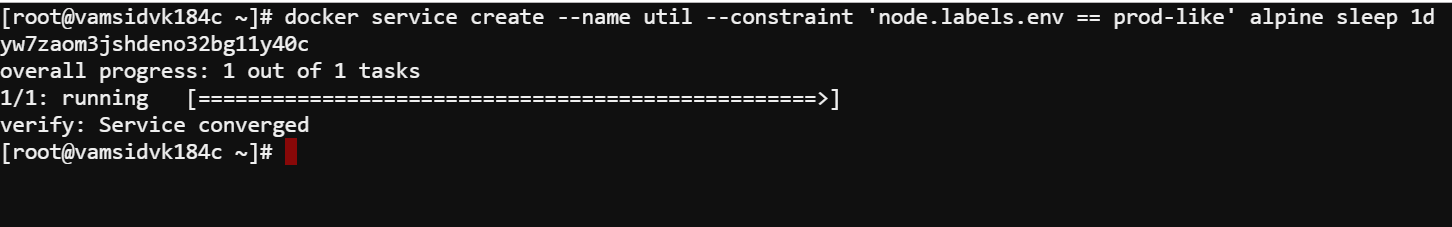




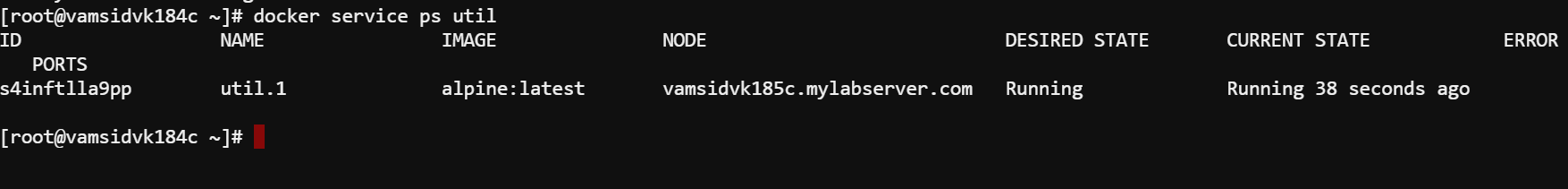


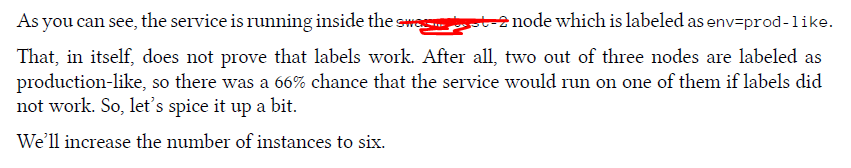








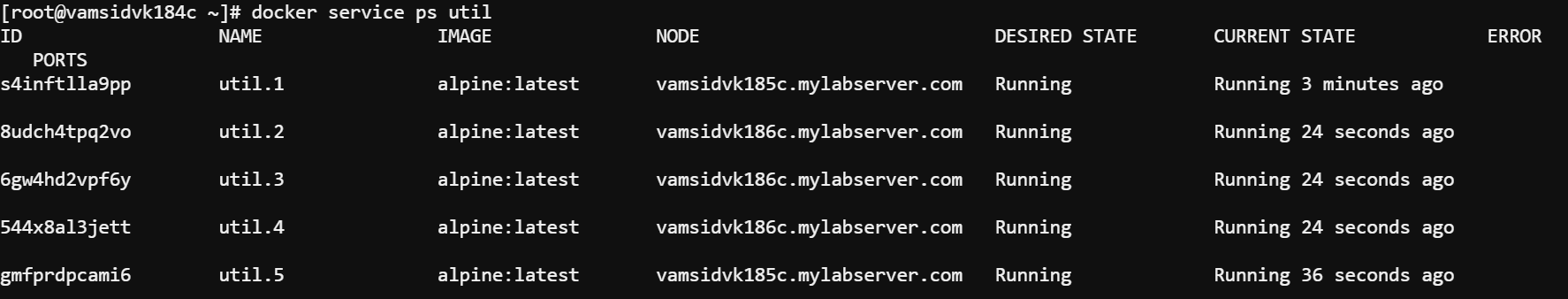


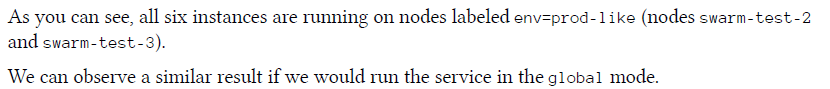


Striked part is 05 server on our cluster

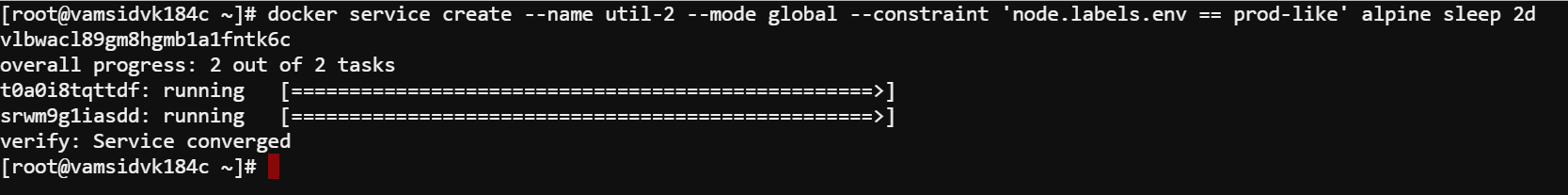






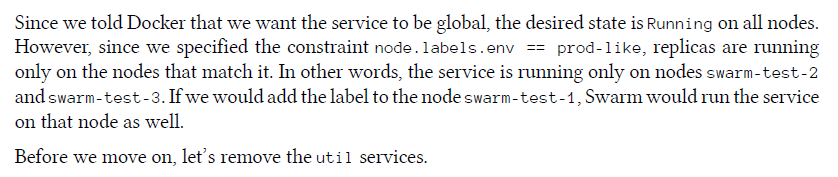


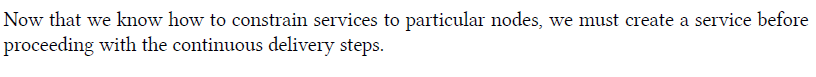
In our case we just scaled the service to 5 replicas and those are deployed onto the 05 & 06 servers

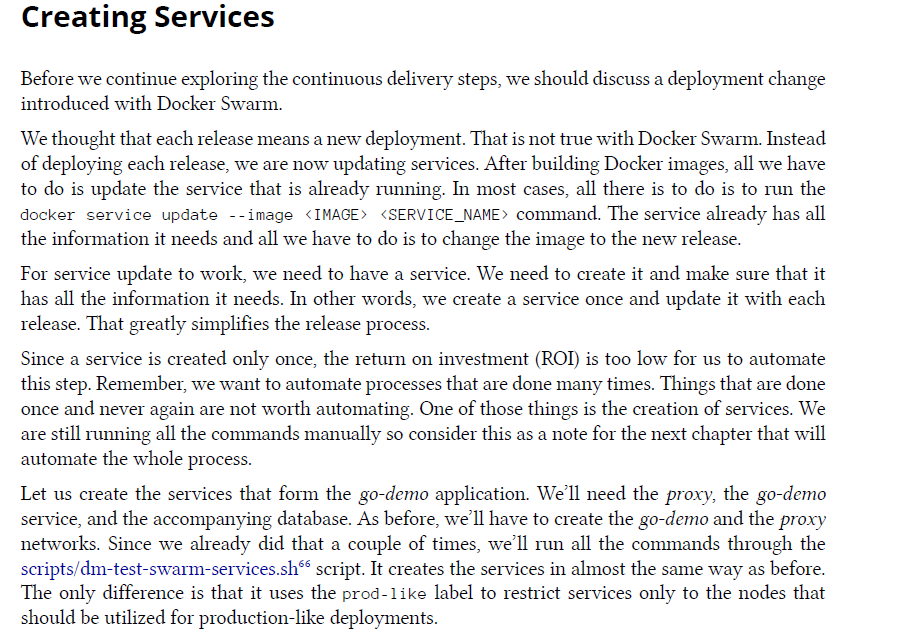


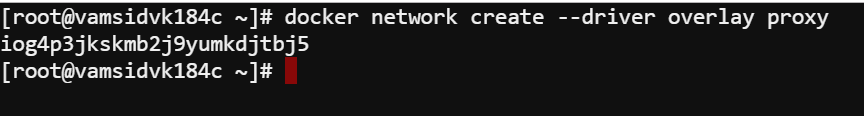


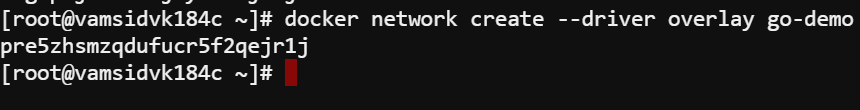


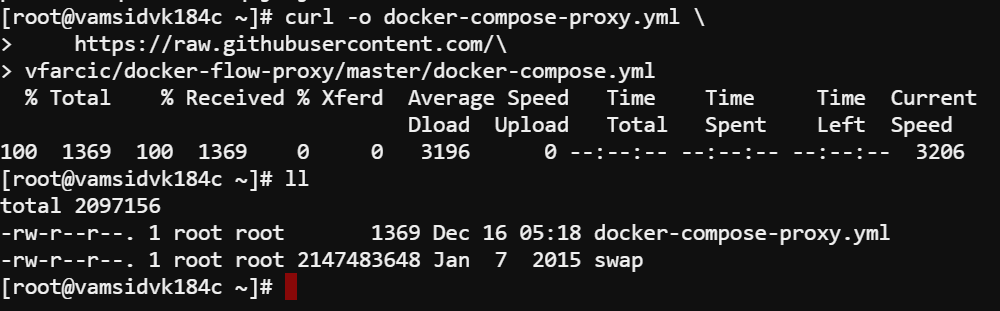




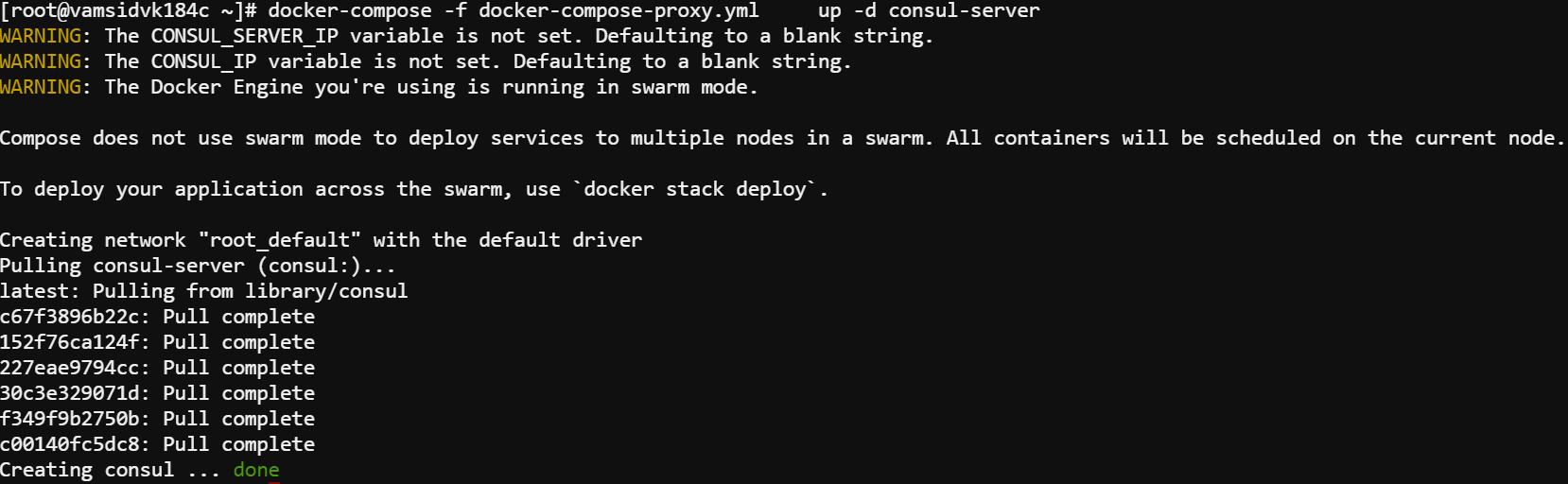






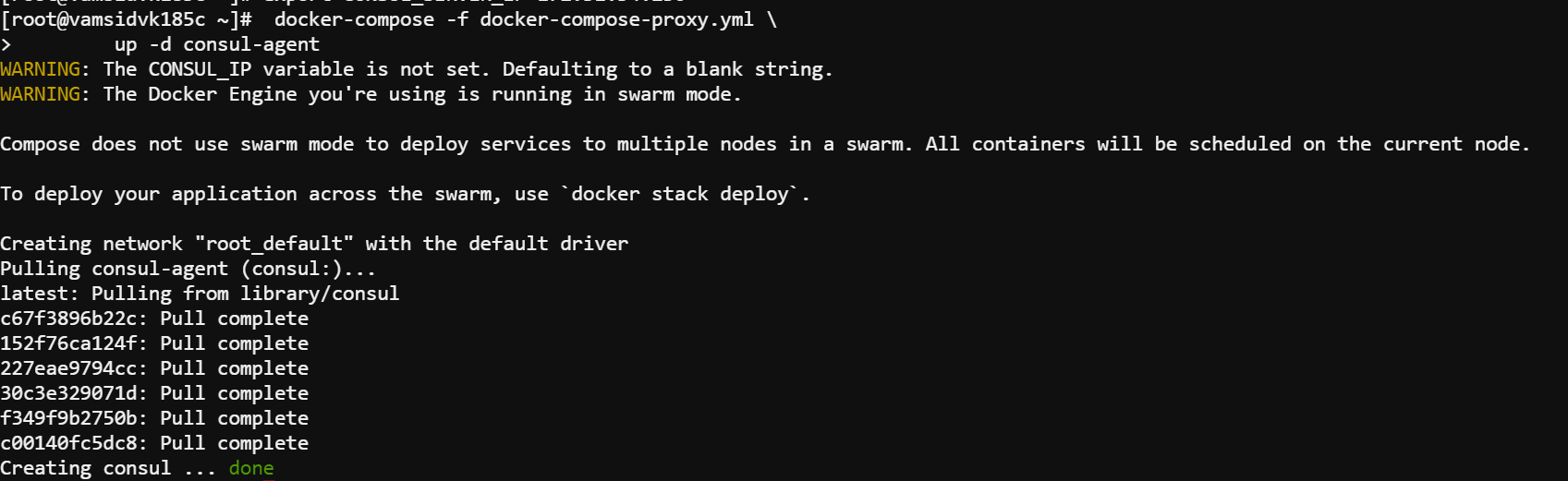






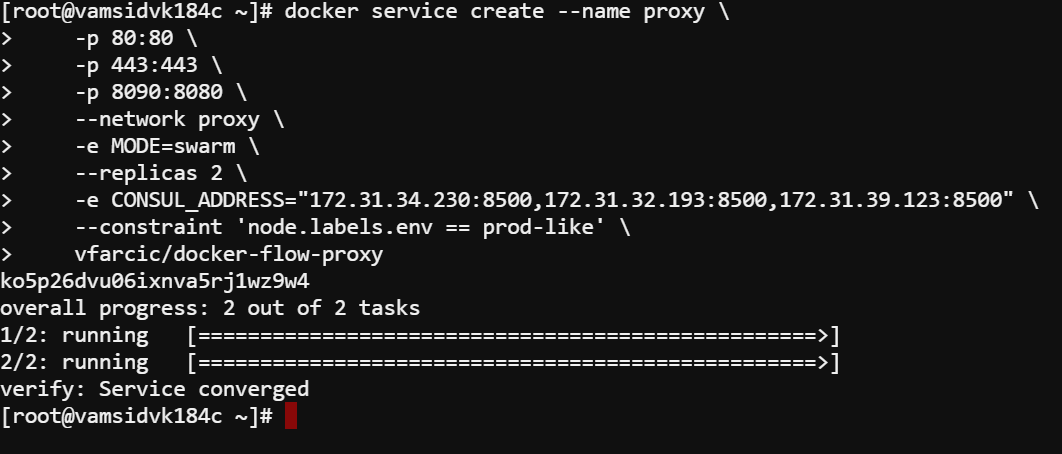
Till now the tasks are been done in the node 04. We will do the same tasks in the 05 & 06 nodes as well



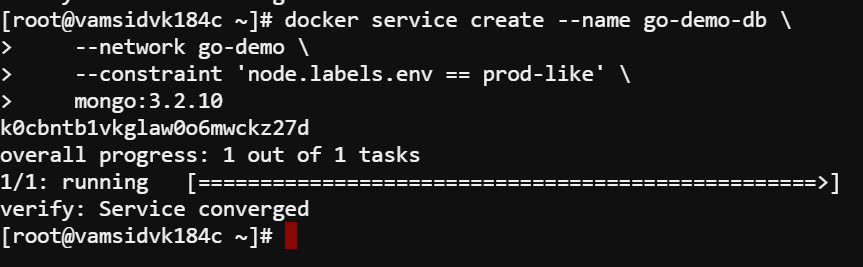


Same steps would be repeated in the 06 node as well

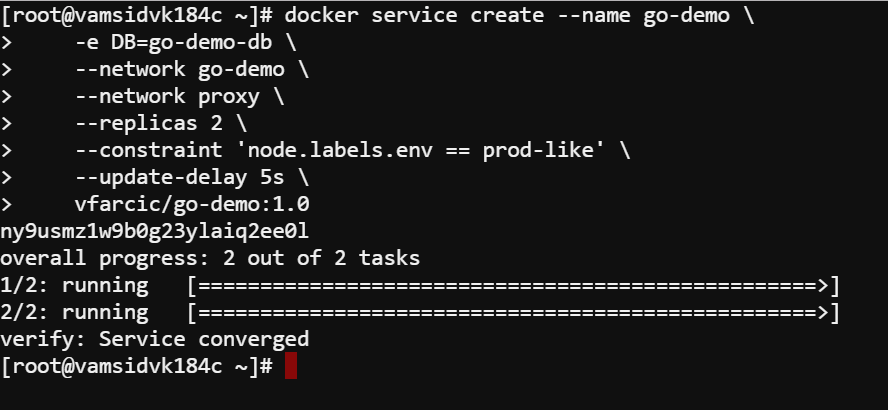
Now we will create proxy service as below



Service create mongodb as below



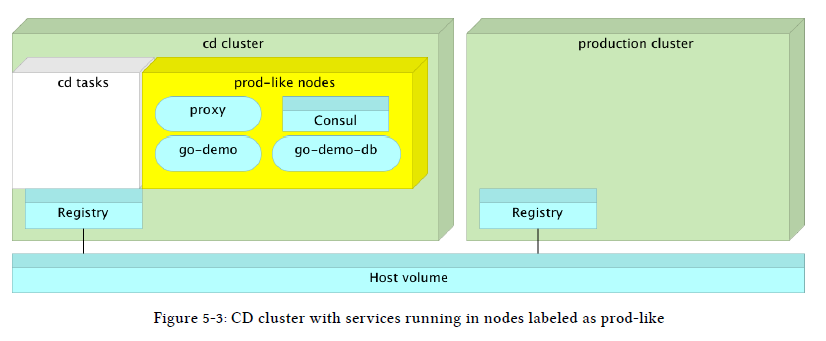
We create go-demo service as below

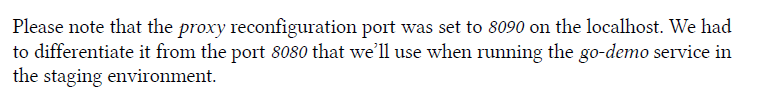


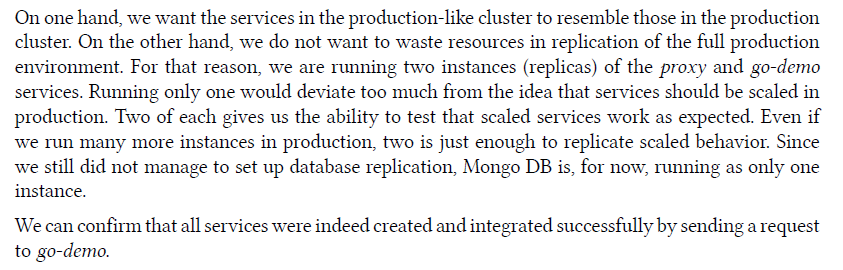


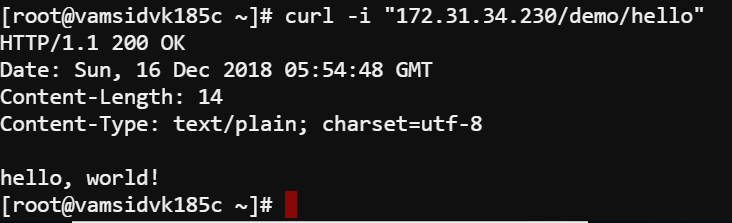








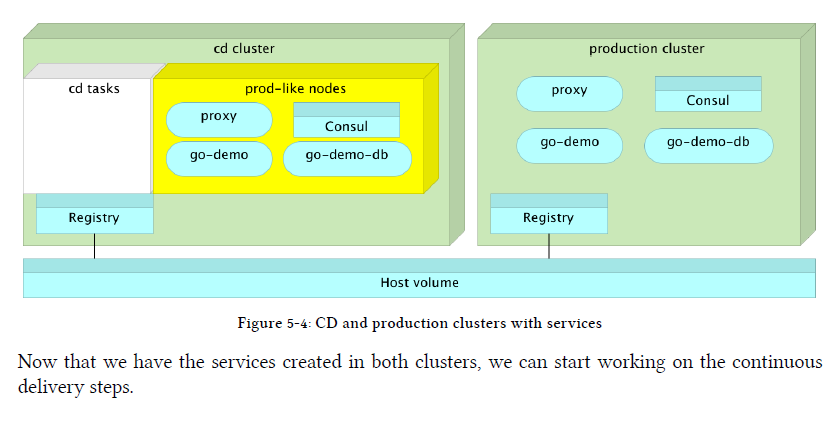


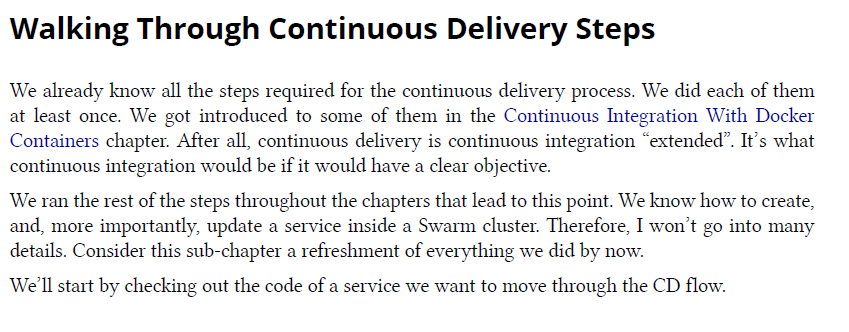


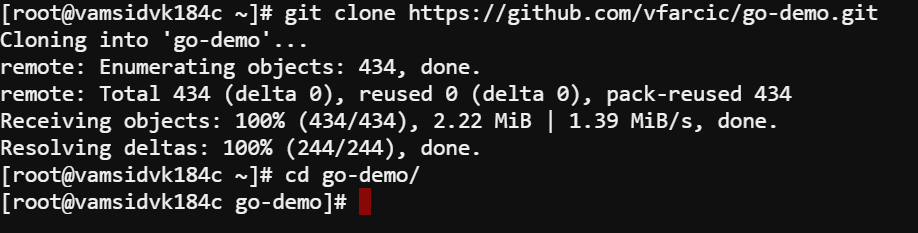


We will have to create same services in the production cluster with diff. no.of replicas

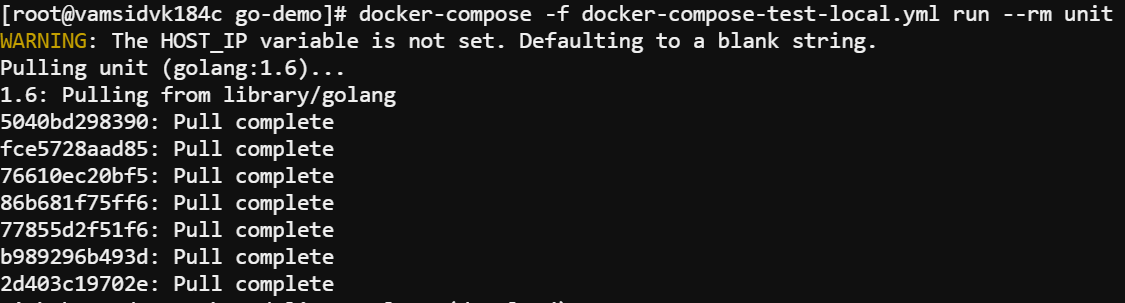


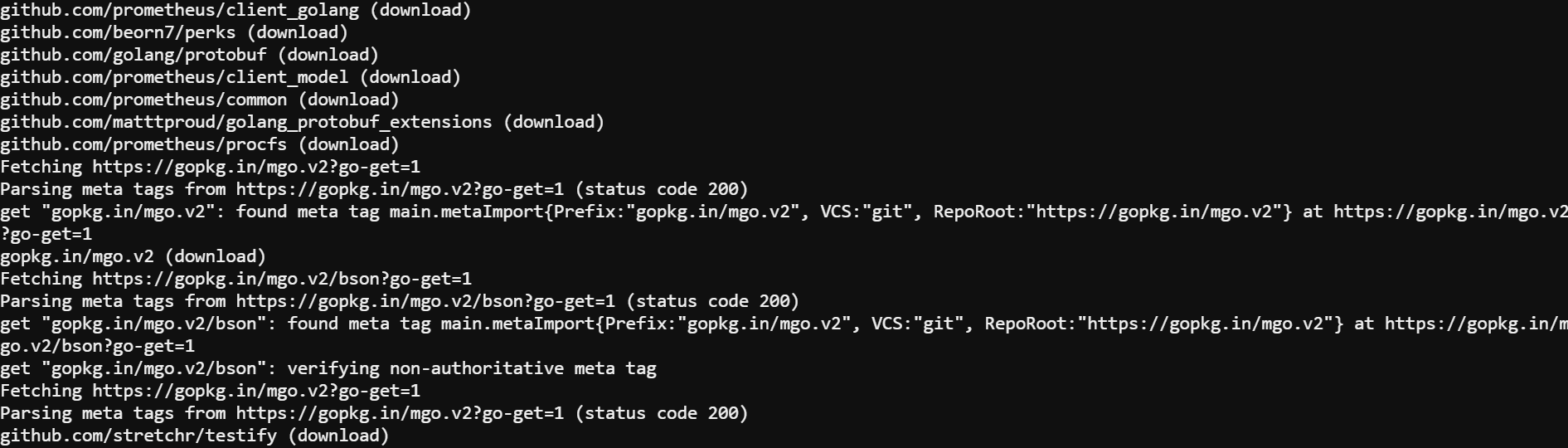


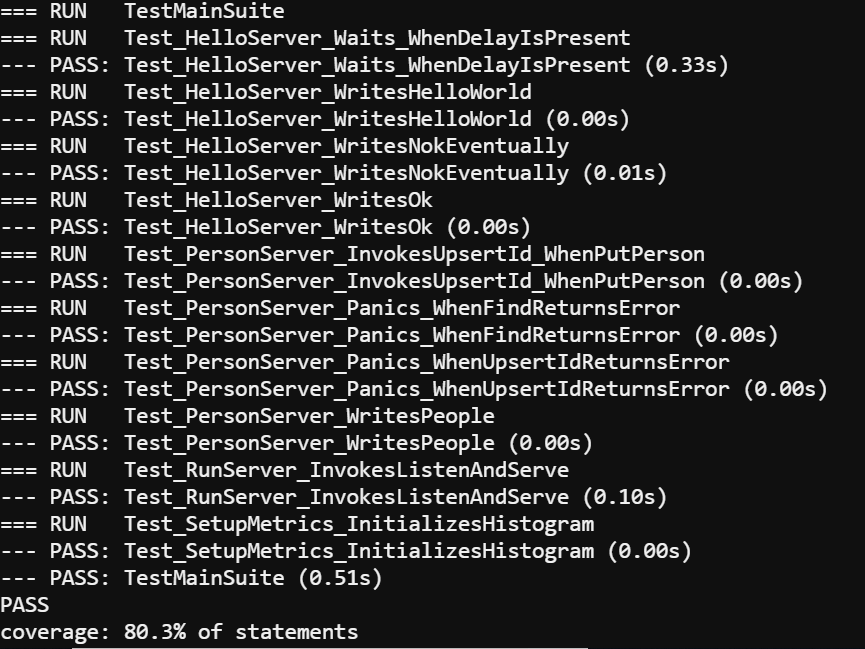


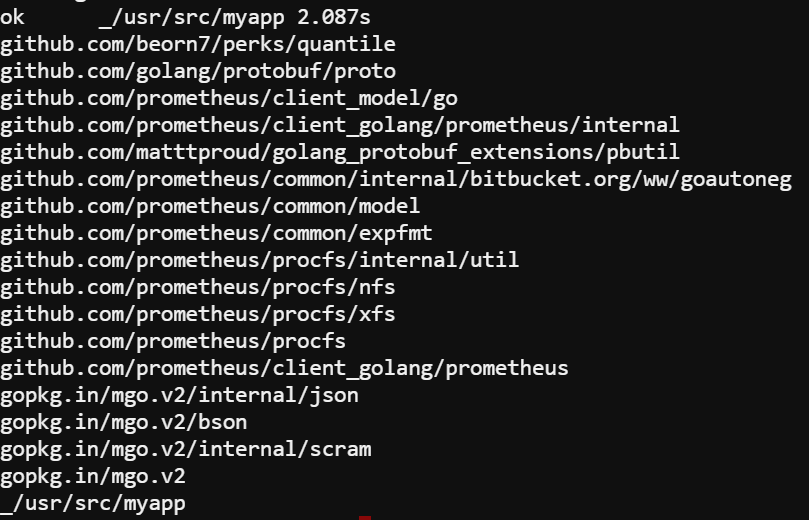




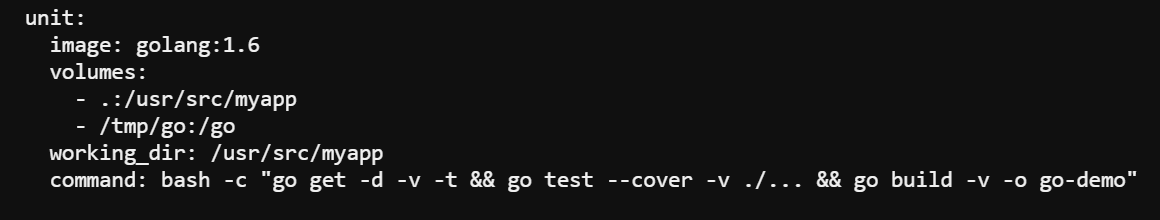


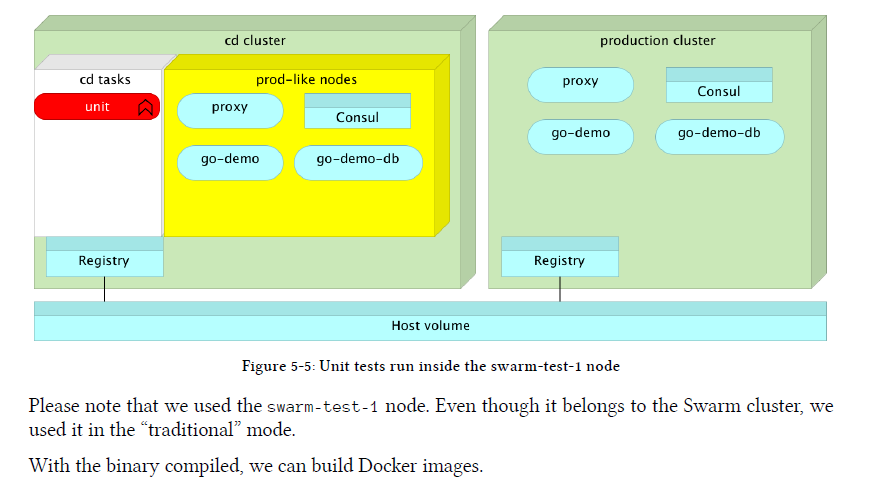


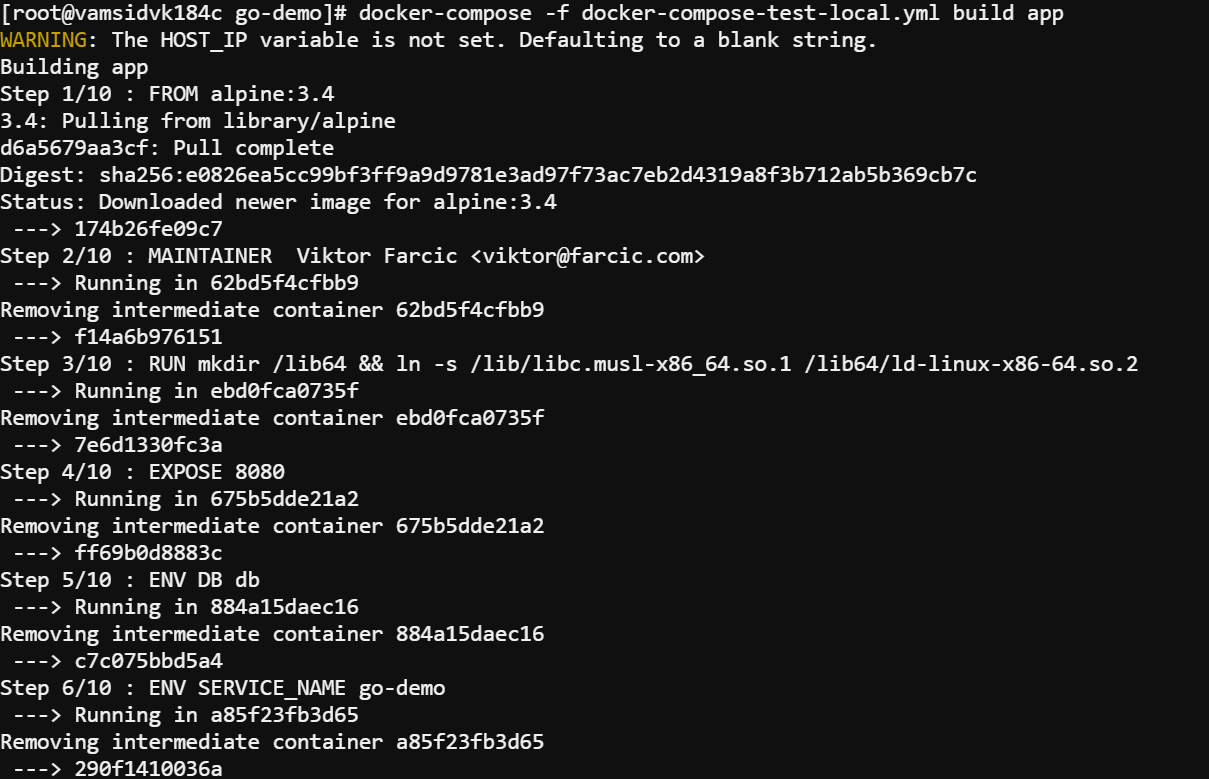


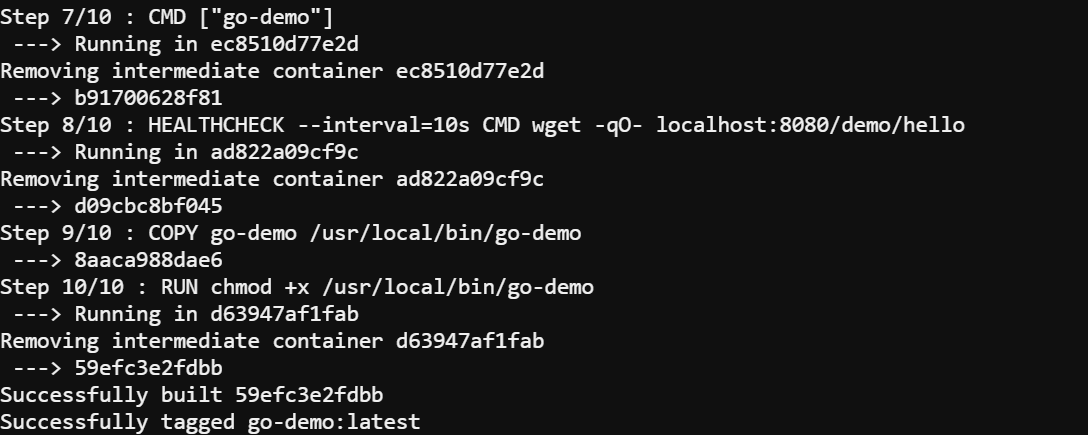


Here you go the contents of the docker-compose-test-local.yml which would run the unit tests

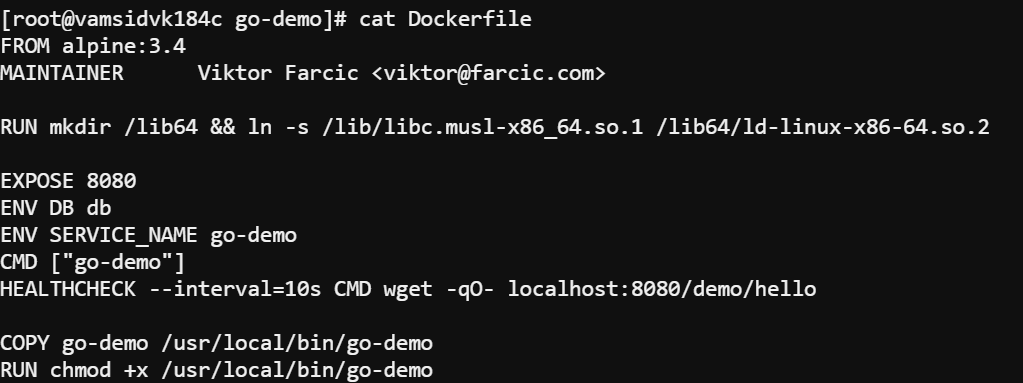


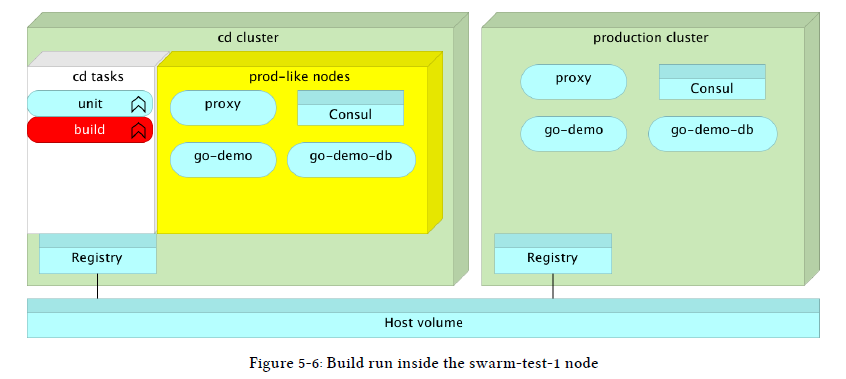


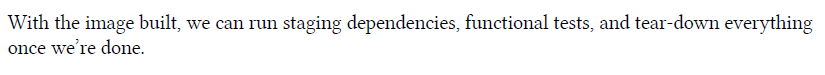




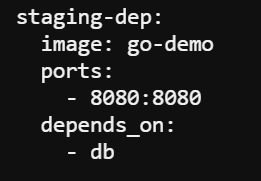
Here you go the dockerfile which is used for the building

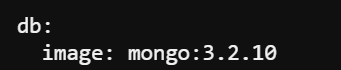


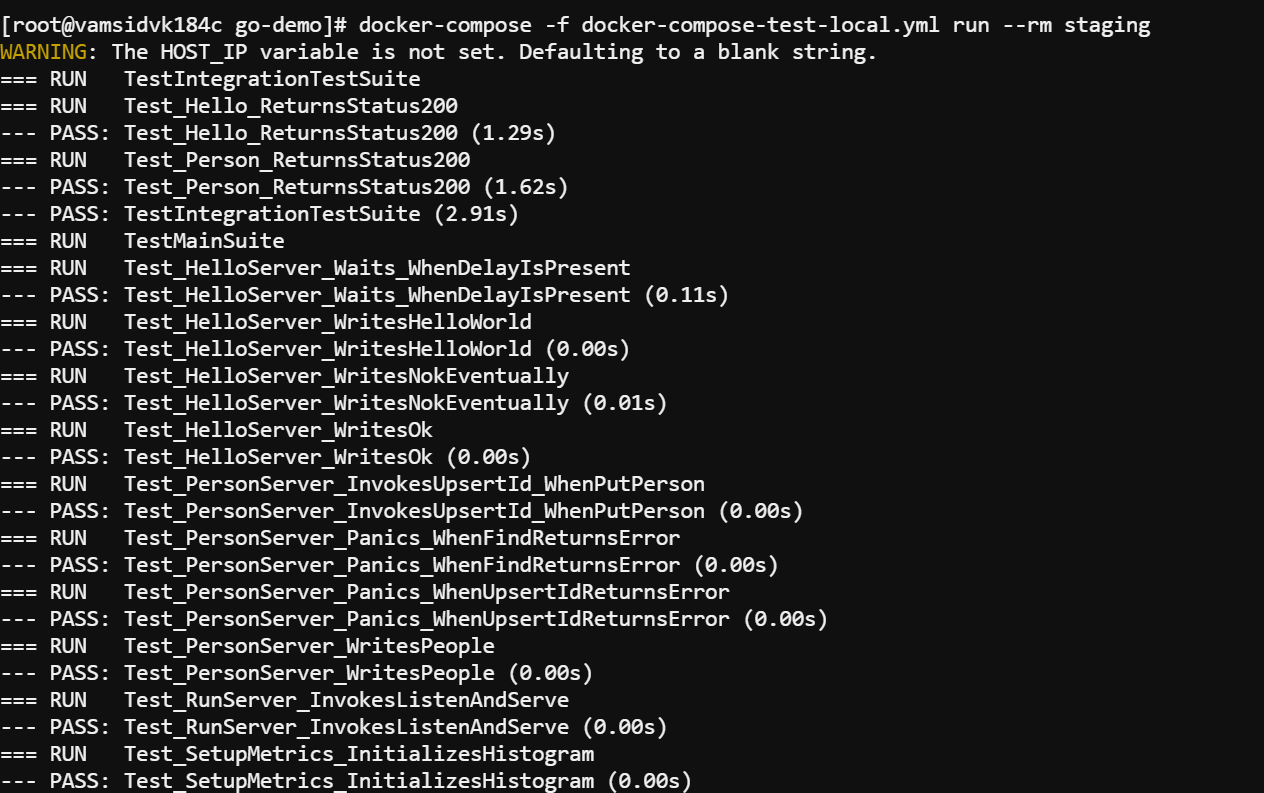


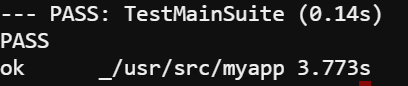


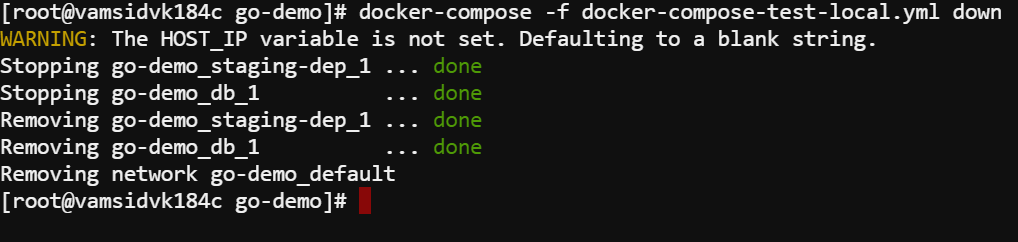


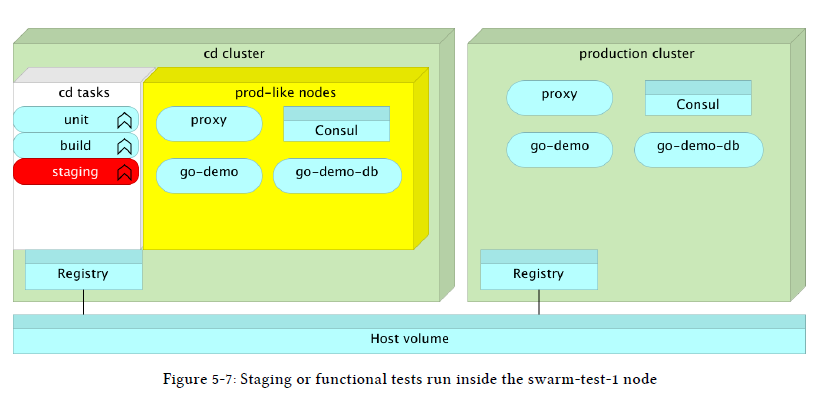


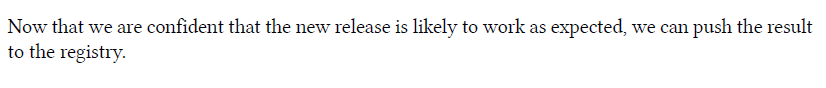






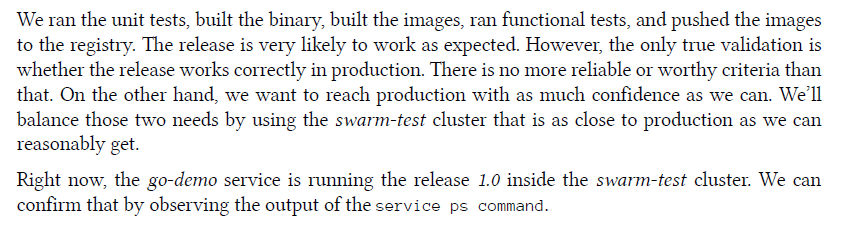


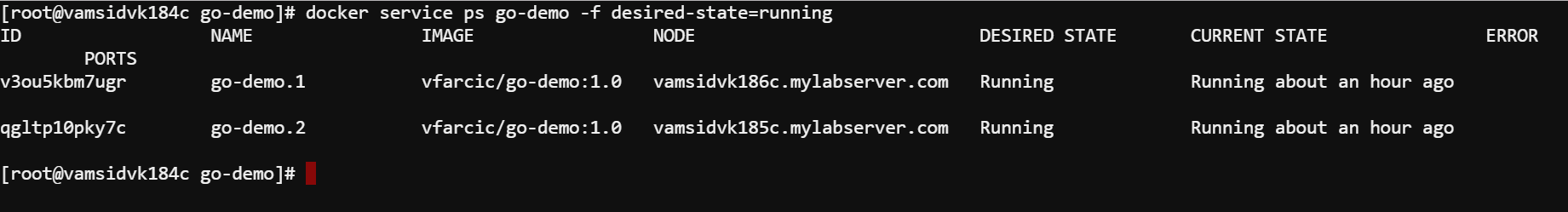




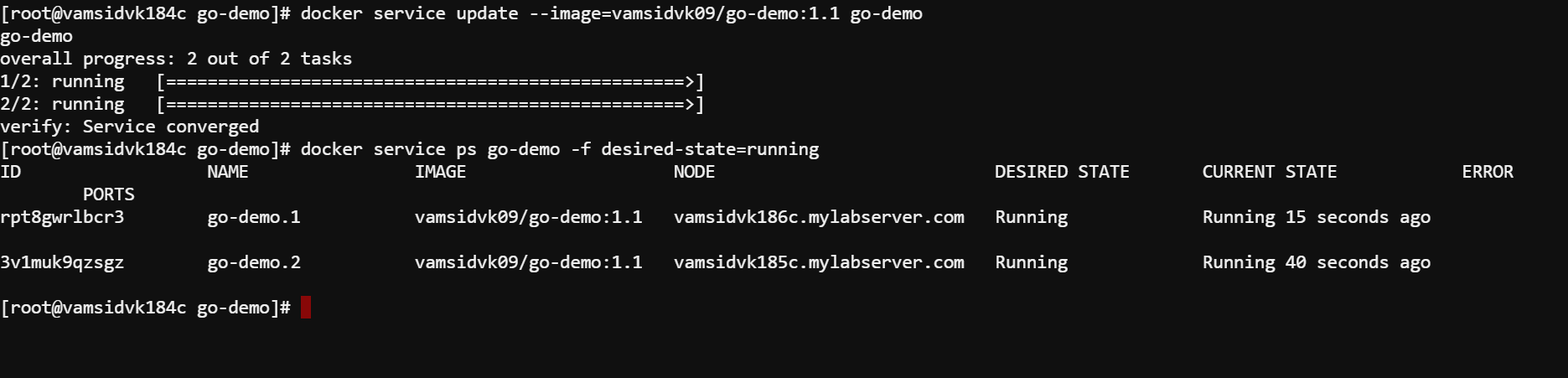
Instead of pushing it to local registry . We are pushing to docker hub



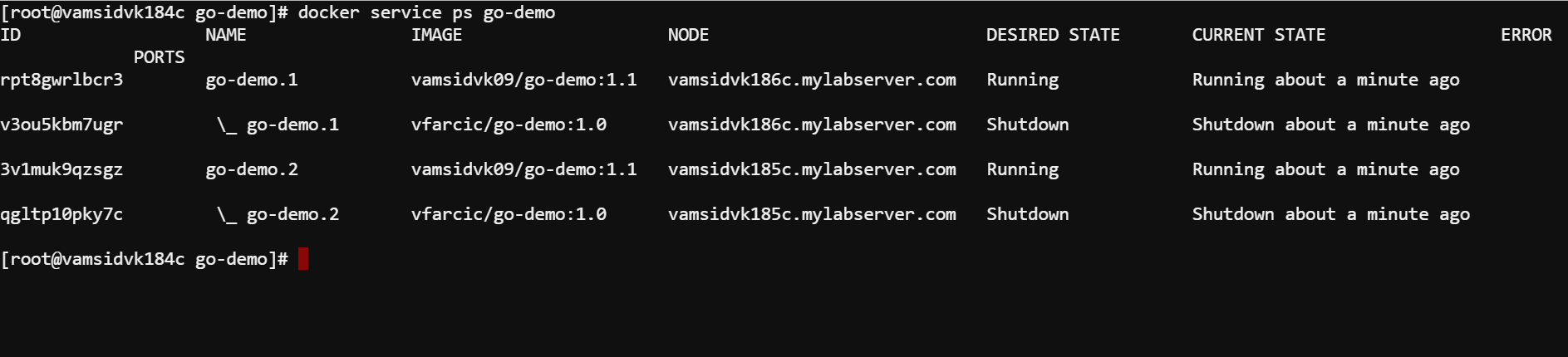


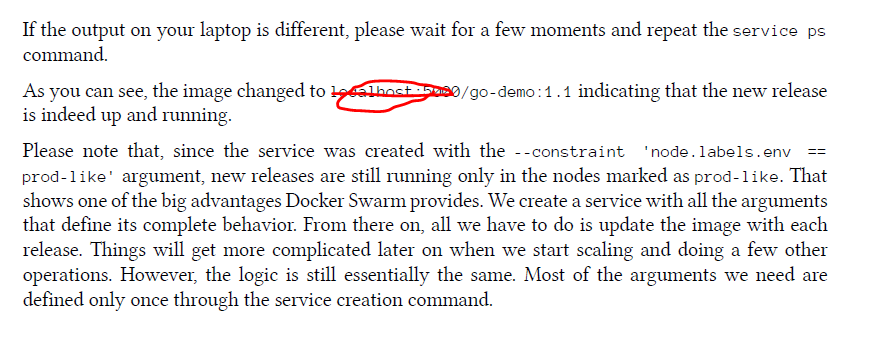












Striked part is vamsidvk09 (In our case)

