<Openshift OKD 3.11 Install>

1. 환경설정

- Master Node 16G, 4 vCPU * 1대
- Compute Node 8G, 1vCPU * 2대
- OS CentOS 7

2. User 생성 (on All Node)

- \$ useradd origin
- \$ passwd origin
- $\$ echo -e 'Defaults:origin !requiretty\#norigin ALL = (root) NOPASSWD:ALL' | tee /etc/sudoers.d/openshift
- \$ chmod 440 /etc/sudoers.d/openshift

3. 필수 Package 설치 (on All Node)

- \$ yum install centos-release-openshift-origin311.
- \$ yum install openshift-ansible ansible docker
- \$ systemctl enable -now docker

4. SSH 설정 (Master)

- \$ ssh-keygen -q -N ""
- \$ vi ~/.ssh/config

```
# create new ( define each node )
Host master
    Hostname master.suejin.com
    User origin
Host node01
    Hostname node01.suejin.com
    User origin
Host node02
    Hostname node02.suejin.com
    User origin
```

\$ chmod 600 ~/.ssh/config

\$ ssh-copy-id node01, 02, master

5. All-in-one Inventory 작성

cat /etc/ansible/hosts

6. Prerequisites.yaml 배포

\$ ansible-playbook /usr/share/ansible/openshift-ansible/playbooks/prerequisites.yml

7. Deploy_cluster.yaml 배포

\$ ansible-playbook /usr/share/ansible/openshift-ansible/playbooks/deploy_cluster.yml

8. 확인

```
[root@master
NAME ST
naster Re
                                get node:
ROLES
                STATUS
                                infra,master
compute
                                                                         v1.11.0+d4cacc0
v1.11.0+d4cacc0
v1.11.0+d4cacc0
               Ready
Ready
Ready
                                                         6m
2m
2m
 ode01
ode02
                                compute
 root@master ~j# oc get all
                                                    READY
                                                                     STATUS
                                                                                                                      AGE
 word
bood/docker-registry-1-2k4mk
bod/registry-console-1-cp87f
bod/registry-console-1-deploy
bod/router-1-9f62j
                                                                    Running
ImagePullBackOff
Running
Running
                                                                                                                      8m
7m
8m
                                                                                                                      8m
                                                                      DESIRED
                                                                                     CURRENT
                                                                                                      READY
                                                                                                                        AGE
NAML
replicationcontroller/docker-registry-1
replicationcontroller/registry-console-1
replicationcontroller/router-1
                                                                                                       0
1
                                                                                                                        8m
                                                                                                                 PORT(S)
5000/TCP
443/TCP,53/UDP,53/TCP
9000/TCP
80/TCP,443/TCP,1936/TCP
NAME
                                                                CLUSTER-IP
                                                                                          EXTERNAL-IP
                                                                                                                                                            AGE
                                                               172.30.56.120
172.30.0.1
172.30.108.99
172.30.94.205
service/docker-registry
                                            ClusterIP
                                           ClusterIP
ClusterIP
ClusterIP
service/kubernetes
service/registry-console
                                                                                          <none>
                                                                                                                                                            13m
                                                                                                                                                            8m
8m
 ervice/router
                                                                                        REVISION DESIRED CURRENT
                                                                                                                                            TRIGGERED BY
deploymentconfig.apps.openshift.io/docker-registry
deploymentconfig.apps.openshift.io/registry-console
deploymentconfig.apps.openshift.io/router
                                                                                                                                           config
config
                                                                        H0ST/P0RT
                                                                                                                                                                                                                   PATH
       TERMINATION
                             WILDCARD
 oute.route.openshift.io/docker-registry
                                                                       docker-registry-default.apps.asia-northeast3-a.c.eloquent-region-360705.internal
 passthrough None
oute.route.openshift.io/registry-console
                                                                     registry-console-default.apps.asia-northeast3-a.c.eloquent-region-360705.internal
      passthrough
```

<Reference>

- https://www.server-world.info/en/note?os=CentOS 7&p=openshift311&f=1
- https://docs.openshift.com/container-platform/3.11/install/prerequisites.html#wildcarddns-prereq
- 3. https://docs.okd.io/3.11/install/configuring_inventory_file.html