

조 훈 (Hoon Jo) - CCIE DC, CKA&D, VCIX-NV6, RHCE, GCPx4



https://github.com/SysNet4Admin



https://app.vagrantup.com/SysNet4Admin



쿠버네티스 환경 구성하기



환경_구성(k8s_env_build.sh) - 줄번호: 1~21



```
#!/usr/bin/env bash
     # vim configuration
     echo 'alias vi=vim' >> /etc/profile
     # swapoff -a to disable swapping
     swapoff -a
     # sed to comment the swap partition in /etc/fstab
     sed -i.bak -r 's/(.+ swap .+)/\#\1/' /etc/fstab
     # kubernetes repo
11
     gg_pkg="packages.cloud.google.com/yum/doc" # Due to shorten addr for key
12
     cat <<EOF > /etc/yum.repos.d/kubernetes.repo
13
     [kubernetes]
     name=Kubernetes
     baseurl=https://packages.cloud.google.com/yum/repos/kubernetes-el7-x86_64
17
     enabled=1
18
     gpgcheck=0
     repo_gpgcheck=0
     gpgkey=https://${gg_pkg}/yum-key.gpg https://${gg_pkg}/rpm-package-key.gpg
21
     EOF
```

환경_구성(k8s_env_build.sh) - 줄번호: 23~46

```
# add docker-ce repo
         yum install yum-utils -y
                                                                                                            ## configuration variables ##
                                                                                                            # max number of worker nodes
         yum-config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo
                                                                                                            # each of components to install
                                                                                                            k8s V = '1.20.2'
         # Set SELinux in permissive mode (effectively disabling it)
                                                                                                            docker_V = '19.03.14-3.el7' # Docker
         setenforce 0
                                                                                                        10 ctrd_V = '1.3.9-3.1.el7' # Containerd
         sed -i 's/^SELINUX=enforcing$/SELINUX=permissive/' /etc/selinux/config
                                                                                                        11 ## /configuration variables ##
         # RHEL/CentOS 7 have reported traffic issues being routed incorrectly due to iptables bypassed
31
         cat <<EOF > /etc/sysctl.d/k8s.conf
         net.bridge.bridge-nf-call-ip6tables = 1
                                                                  cfg.vm.provision "shell", path: "k8s env build.sh", args: N
                                                                  cfg.vm.provision "shell", path: "k8s_pkg_cfg.sh", args: [ k8s_V, docker_V, ctrd_V ]
         net.bridge.bridge-nf-call-iptables = 1
         EOF
                                                                  cfg.vm.provision "shell", path: "k_cfg_n_git_clone.sh" # add kubectl config & git clone source
         modprobe br_netfilter
         # local small dns & vagrant cannot parse and delivery shell code.
38
         echo "192.168.1.10 m-k8s" >> /etc/hosts
         for (( i=1; i<=$1; i++ )); do echo "192.168.1.10$i w$i-k8s" >> /etc/hosts; done
         # config DNS
         cat <<EOF > /etc/resolv.conf
         nameserver 1.1.1.1 #cloudflare DNS
         nameserver 8.8.8.8 #Google DNS
         EOF
```

다음 강좌에는...



- 1. 쿠버네티스_관련_패키지_설치(k8s_pkg_cfg.sh)
- 2. 실습 편의성 높이기(k_cfg_n_git_clone.sh)



kubernetes