

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



https://github.com/SysNet4Admin



https://app.vagrantup.com/SysNet4Admin



쿠버네티스 관련 패키지를 설치하고 실습 편의성을 높이는 도구 구성하기



패키지_설치(k8s_pkg_cfg.sh)



1.22 버전부터 필요

```
#!/usr/bin/env bash
                                                                             # docker daemon config for systemd from cgroupfs & restart
                                                                              cat <<EOF > /etc/docker/daemon.json
      # install util packages
                                                                               "exec-opts": ["native.cgroupdriver=systemd"]
      yum install epel-release -y
      yum install vim-enhanced -y
                                                                             systemctl daemon-reload && systemctl restart docker
      yum install git -y
      # install docker
      yum install docker-ce-$2 docker-ce-cli-$2 containerd.io-$3 -y
                                                                                                          ## configuration variables ##
                                                                                                          # max number of worker nodes
10
      # install kubernetes
11
                                                                                                          k8s V = '1.20.2'
                                                                                                                              # Kubernetes
      # both kubelet and kubectl will install by dependency
12
                                                                                                          docker V = '19.03.14-3.el7' # Docker
      # but aim to latest version. so fixed version by manually
                                                                                                          ctrd_V = '1.3.9-3.1.el7' # Containerd
                                                                                                      11 ## /configuration variables ##
      yum install kubelet-$1 kubectl-$1 kubeadm-$1 -y
15
      # Ready to install for k8s
      systemctl enable --now docker
17
                                                              cfg.vm.provision "shell", path: "k8s_env_build.sh", args: N
      systemctl enable --now kubelet
                                                              cfg.vm.provision "shell", path: "k8s_pkg_cfg.sh", args: [ k8s_V, docker_V, ctrd_V ]
                                                              cfg.vm.provision "shell", path: "k_cfg_n_git_clone.sh" # add kubectl config & git clone source
```

실습 편의성(k_cfg_n_git_clone.sh)



```
#!/usr/bin/env bash

# install bash-completion for kubectl
yum install bash-completion -y

# kubectl completion on bash-completion dir
kubectl completion bash >/etc/bash_completion.d/kubectl

# alias kubectl to k
# echo 'alias k=kubectl' >> ~/.bashrc
# echo 'complete -F __start_kubectl k' >> ~/.bashrc
# git clone k8s-code
# git clone https://github.com/sysnet4admin/_Lecture_k8s_learning.kit.git
# mv /home/vagrant/_Lecture_k8s_learning.kit $HOME
# find $HOME/_Lecture_k8s_learning.kit -regex ".*\.\(sh\)" -exec chmod 700 {} \;
```

다음 강좌에는...



1. 쿠버네티스 설치 바로 전까지 구성하기(Just Vagrant up)



kubernetes