그림으로 배우는 쿠버네티스 (Kubernetes)

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- CCIE DC, CKA&D, VCIX-NV6, RHCE, GCPx4

https://github.com/SysNet4Admin

https://app.vagrantup.com/SysNet4Admin

kubernetes

메인 호출 스크립트인 베이그런트파일

베이그런트파일(Vagrantfile) - 줄번호: 1~11

```
1    # -*- mode: ruby -*-
2    # vi: set ft=ruby :
3
4    ## configuration variables ##
5    # max number of worker nodes
6    N = 3
7    # each of components to install
8    k8s_V = '1.20.2'           # Kubernetes
9    docker_V = '19.03.14-3.el7' # Docker
10   ctrd_V = '1.3.9-3.1.el7'    # Containerd
11   ## /configuration variables ##
```

쿠버네티스 관련 버전
https://sysnet4admin.gitbook.io/k8s/version/native-k8s

```ruby
13    Vagrant.configure("2") do |config|
14
15      #=============#
16      # Master Node #
17      #=============#
18
19      config.vm.define "WO-m-k8s-#{k8s_V[0..3]}" do |cfg|
20        cfg.vm.box = "sysnet4admin/CentOS-k8s"
21        cfg.vm.provider "virtualbox" do |vb|
22          vb.name = "WO-m-k8s-#{k8s_V[0..3]}(github_SysNet4Admin)"
23          vb.cpus = 2
24          vb.memory = 1746
25          vb.customize ["modifyvm", :id, "--groups", "/WO-k8s-SgMST-#{k8s_V[0..3]}(github_SysNet4Admin)"]
26        end
27        cfg.vm.host_name = "m-k8s"
28        cfg.vm.network "private_network", ip: "192.168.1.10"
29        cfg.vm.network "forwarded_port", guest: 22, host: 60010, auto_correct: true, id: "ssh"
30        cfg.vm.synced_folder "../data", "/vagrant", disabled: true
31        cfg.vm.provision "shell", path: "k8s_env_build.sh", args: N
32        cfg.vm.provision "shell", path: "k8s_pkg_cfg.sh", args: [ k8s_V, docker_V, ctrd_V ]
33        #cfg.vm.provision "shell", path: "master_node.sh"
34        cfg.vm.provision "shell", path: "k_cfg_n_git_clone.sh" # add kubectl config & git clone source
35      end
```

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```

```
37    #==============#
38    # Worker Nodes #
39    #==============#
40
41    (1..N).each do |i|
42      config.vm.define "WO-w#{i}-k8s-#{k8s_V[0..3]}" do |cfg|
43        cfg.vm.box = "sysnet4admin/CentOS-k8s"
44        cfg.vm.provider "virtualbox" do |vb|
45          vb.name = "WO-w#{i}-k8s-#{k8s_V[0..3]}(github_SysNet4Admin)"
46          vb.cpus = 1
47          vb.memory = 1024
48          vb.customize ["modifyvm", :id, "--groups", "/WO-k8s-SgMST-#{k8s_V[0..3]}(github_SysNet4Admin)"]
49        end
50        cfg.vm.host_name = "w#{i}-k8s"
51        cfg.vm.network "private_network", ip: "192.168.1.10#{i}"
52        cfg.vm.network "forwarded_port", guest: 22, host: "6010#{i}", auto_correct: true, id: "ssh"
53        cfg.vm.synced_folder "../data", "/vagrant", disabled: true
54        cfg.vm.provision "shell", path: "k8s_env_build.sh", args: N
55        cfg.vm.provision "shell", path: "k8s_pkg_cfg.sh", args: [ k8s_V, docker_V, ctrd_V ]
56        #cfg.vm.provision "shell", path: "work_nodes.sh"
57      end
58    end
59
60  end
```

```
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```

다음 강좌에는...

1. 쿠버네티스_환경_구성(k8s_env_build.sh)을 살펴보기

kubernetes