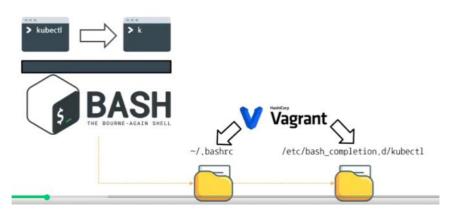
6_쿠버네티스 Tips

2021년 12월 4일 토요일 오후 10:52

6.1 kubectl 쉽게 쓰는 법

- tab통해서 자동완성되도록 구성되어 있음
- bash shell



 $cat~^{\prime}_Lecture_k8s_starter.kit/ch1/1.2/k8s-min-5GiB/master_node.sh$

아래 설정으로 자동완성 기능 동작

```
# 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
```

배시 셸에 별명 지어주기

배시 셸에 별명(Alias) 지어 주기 alias k=kubectl alias ka='kubectl apply - f' Alias keq = 'kubectl exec'

```
[root@m-k8s ~]# ~/_Lecture_k8s_starter.kit/ch6/6.1/k8s_rc.sh
[root@m-k8s ~]# keq

1 dpy-chk-log-658658f78c-5vnhr
2 dpy-chk-log-658658f78c-dgxxf
3 dpy-chk-log-658658f78c-rgzd6

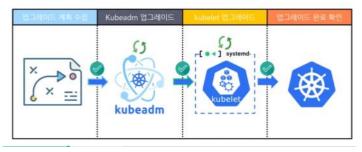
Please select pod in default:
```

alias를 지어주면 편리하다

6.2.쿠버네티스 버전 업그레이드

업그레이드 순서

- 1. 업그레이드 계획 수립
- 2. kubeadm 업그레이드
- 3. kubelet 업그레이드 후 재시작
- 4. 업그레이드 완료 확인



버전확인

kubeadm upgrade plan 명렁어 입력

위의 결과에서 v1.20을 v1.20.13으로 올릴 수 있음

yum list kubeadm --showduplicates

```
      kubeadm.x86_64
      1.19.16-0

      kubeadm.x86_64
      1.20.0-0

      kubeadm.x86_64
      1.20.1-0

      kubeadm.x86_64
      1.20.2-0

      kubeadm.x86_64
      1.20.4-0

      kubeadm.x86_64
      1.20.5-0

      kubeadm.x86_64
      1.20.6-0

      kubeadm.x86_64
      1.20.7-0

      kubeadm.x86_64
      1.20.8-0

      kubeadm.x86_64
      1.20.8-0
```

kubeadm upgrade apply 1.20.4

kubeadm 버전이 낮으면 설치가 안됨

yum upgrade -y kubeadm-1.20.4

kubeadm upgrade apply 1.20.4

。 업그레이드가 이루어진게 없음

kubectl version

kubelet --version

```
[root@m-k8s ~] # kubelet --version
Kubernetes v1.20_2
```

yum upgrade -y kubelet-1.20.4

```
Running transaction

Updating: kubelet-1.20.4-0.x86_64

Cleanup: kubelet-1.20.2-0.x86_64

Verifying: kubelet-1.20.4-0.x86_64

Verifying: kubelet-1.20.2-0.x86_64

Updated:
kubelet.x86_64 0:1.20.4-0

Complete!
```

설치 완료 후 재시작필요

systemctl restart kubelet

systemctl daemon-reload

```
[root@m-k8s ~]# systemctl daemon-reload
[root@m-k8s ~]# systemctl daemon-reload^C
[root@m-k8s ~]# k get nodes
NAME STATUS ROLES AGE VERSION
m-k8s Ready control-plane,master 18d v1.20.4
w1-k8s Ready <none> 18d v1.20.2
w2-k8s Ready <none> 18d v1.20.2
w3-k8s Ready <none> 18d v1.20.2
[root@m-k8s ~]#
```

그리고 각 워커노드에서 kubelet 업그레이드 수행

[root@m-	-k8s ~]# k	get nodes		
NAME	STATUS	ROLES	AGE	VERSION
n-k8s	Ready	control-plane, master	18d	v1.20.4
w1-k8s	Ready	<none></none>	18d	v1.20.4
w2-k8s	Ready	<none></none>	18d	v1.20.4
w3-k8s	Ready	<none></none>	18d	v1.20.4
[root@m-	-k8s ~1#			

○ 완료

6.3.오브젝트 예약 단축어

명령어 -> 단축어 pod or pods -> po deployment or deployments -> deploy

	이름	축약어	오브젝트 이름	
자주 사용되는 명령어	nodes	no	Node	
	namespaces ns		Namespace	
	deployments deplo		Deployment	
	pods	ро	Pod	
	services	svc	Service	

[root@m-k8s	~] # k get	deployment		
NAME	READY	UP-TO-DATE	AVAILABLE	AGE
dpy-chk-log	3/3			34m
[root@m-k8s	~]# k get	deployments		
NAME	READY	UP-TO-DATE	AVAILABLE	AGE
dpy-chk-log	3/3			35m
[root@m-k8s	~]# k get	deploy		
NAME	READY	UP-TO-DATE	AVAILABLE	AGE
dpy-chk-log	3/3			35m
Front am Iroa	. 7 #			

[root@m-k8	3s ~]# k	get nodes		
NAME S	STATUS	ROLES	AGE	VERSION
m-k8s F	Ready	control-plane, master	18d	v1.20.4
w1-k8s F	Ready	<none></none>	18d	v1.20.4
w2-k8s F	Ready	<none></none>	18d	v1.20.4
w3-k8s F	Ready	<none></none>	18d	v1.20.4
[root@m-k8s ~]# k		get no		
NAME S	STATUS	ROLES	AGE	VERSION
m-k8s F	Ready	control-plane, master	18d	v1.20.4
w1-k8s F	Ready	<none></none>	18d	v1.20.4
w2-k8s F	Ready	<none></none>	18d	v1.20.4
w3-k8s F	Ready	<none></none>	18d	v1.20.4
[root@m-k8	3s ~]#			