

그림으로 배우는 쿠버네티스 (Kubernetes)

조 훈 (Hoon Jo)

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

 <https://github.com/SysNet4Admin>

 <https://app.vagrantup.com/SysNet4Admin>



kubernetes

상태를 알 수 있는 명령어?



쿠버네티스 이벤트 확인



✓ Events



```
[root@m-k8s ~]# kubectl get events
```

LAST SEEN	TYPE	REASON	OBJECT	MESSAGE
33s	Normal	Killing	pod/nginx	Stopping container nginx
8s	Normal	Scheduled	pod/nginx	Successfully assigned default/nginx to w1-k8s
6s	Normal	Pulling	pod/nginx	Pulling image "nginx"

```
[root@m-k8s ~]# kubectl get events -n kube-system
```

LAST SEEN	TYPE	REASON	OBJECT	MESSAGE
[중략]				
1s	Normal	Created	pod/calico-node-kp8kf	Created container flexvol-driver
0s	Normal	Started	pod/calico-node-kp8kf	Started container flexvol-driver
15s	Normal	SandboxChanged	pod/kube-proxy-6dsvp	Pod sandbox changed, it will be killed and re-created.
30s	Normal	SandboxChanged	pod/kube-proxy-rbgn7	Pod sandbox changed, it will be killed and re-created.
27s	Normal	Pulled	pod/kube-proxy-rbgn7	Container image "k8s.gcr.io/kube-proxy:v1.22.0"
already present on machine				
26s	Normal	Created	pod/kube-proxy-rbgn7	Created container kube-proxy
25s	Normal	Started	pod/kube-proxy-rbgn7	Started container kube-proxy

배포된 오브젝트의 상태를 파악



✓ describe

```
[root@m-k8s ~]# kubectl describe pod nginx
```

```
Name:      nginx
Namespace:  default
Priority:    0
Node:       w1-k8s/192.168.1.101
```

[중략]

```
Node-Selectors:  <none>
```

```
Tolerations:     node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
                  node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
```

Events:

Type	Reason	Age	From	Message
----	-----	----	----	-----
Normal	Scheduled	18m	default-scheduler	Successfully assigned default/nginx to w1-k8s
Normal	Pulling	18m	kubelet	Pulling image "nginx"
Normal	Pulled	18m	kubelet	Successfully pulled image "nginx" in 22.700967566s
Normal	Created	18m	kubelet	Created container nginx
Normal	Started	18m	kubelet	Started container nginx



컨테이너의 로그 확인

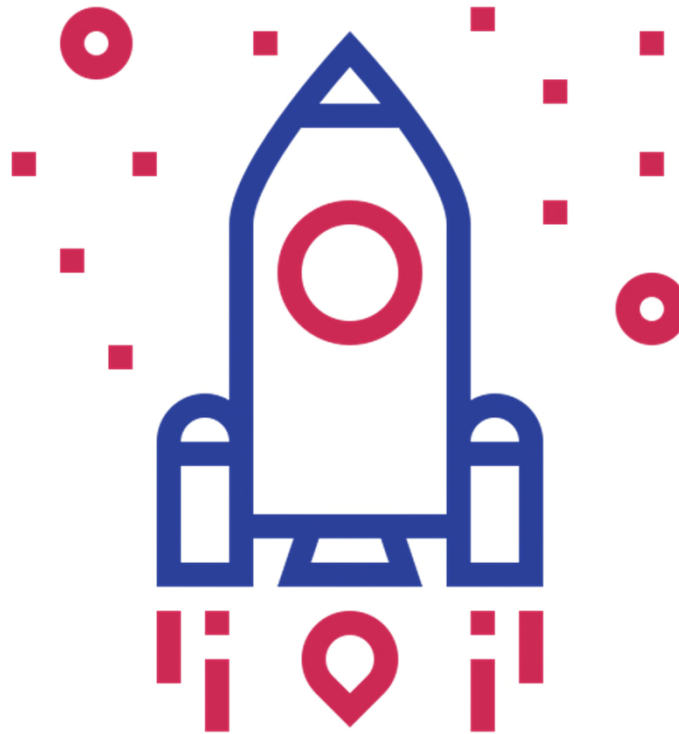


✓ logs



```
[root@m-k8s ~]# kubectl logs nginx
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
[생략]
```

실제로 확인하기



다음 강좌에는...



1. 쿠버네티스 애플리케이션 배포 형태 소개



kubernetes