

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

**컨테이너에 명령이
왜 필요한거죠?**



첫 번째 - 계속 동작하게 하고 싶을 때



```
1  apiVersion: v1
2  kind: Pod
3  metadata:
4    labels:
5      run: simple-wo-command
6    name: simple-wo-command
7  spec:
8    containers:
9    - image: sysnet4admin/net-tools
10      name: net-tools
```



```
[root@m-k8s ~]# k get po -w
```

NAME	READY	STATUS	RESTARTS	AGE
simple-wo-command	0/1	ContainerCreating	0	7s
simple-wo-command	0/1	Completed	0	10s
simple-wo-command	0/1	CrashLoopBackOff	6	9m20s

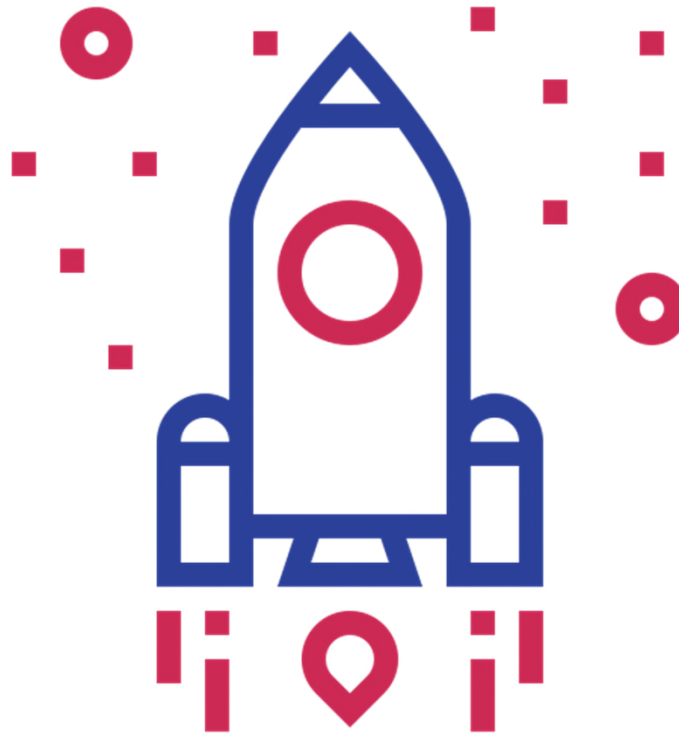
```
1  apiVersion: v1
2  kind: Pod
3  metadata:
4    labels:
5      run: simple-command
6    name: simple-command
7  spec:
8    containers:
9    - image: sysnet4admin/net-tools
10      name: net-tools
11      command: ["/bin/sh", "-c", "sleep 3600"]
```



```
[root@m-k8s ~]# k get po -w
```

NAME	READY	STATUS	RESTARTS	AGE
simple-command	0/1	ContainerCreating	0	4s
simple-command	1/1	Running	0	13s

계속 동작하는 파드를 확인



두 번째 - 사용자가 원하는 명령을 내리고 싶을 때 v1



```
1  apiVersion: v1
2  kind: Pod
3  metadata:
4    labels:
5      run: multiple-command-v1
6      name: multiple-command-v1
7  spec:
8    containers:
9      - image: sysnet4admin/net-tools
10      name: net-tools
11  command: ["/bin/sh", "-c", "echo run multiple-command-v1 && sleep 3600"]
```



```
[root@m-k8s ~]# k logs multiple-command-v1
run multiple-command-v1
```

두 번째 - 사용자가 원하는 명령을 내리고 싶을 때 v2



```
1  apiVersion: v1
2  kind: Pod
3  metadata:
4    labels:
5      run: multiple-command-v1
6      name: multiple-command-v1
7  spec:
8    containers:
9      - image: sysnet4admin/net-tools
10       name: net-tools
11     command: ["/bin/sh", "-c", "echo run multiple-command-v1 && sleep 3600"]
```

```
1  apiVersion: v1
2  kind: Pod
3  metadata:
4    labels:
5      run: multiple-command-v2
6      name: multiple-command-v2
7  spec:
8    containers:
9      - image: sysnet4admin/net-tools
10       name: net-tools
11     command: ["/bin/sh", "-c", "echo run multiple-command-v2; sleep 3600"]
```

두 번째 - 사용자가 원하는 명령을 내리고 싶을 때 v3

```
1  apiVersion: v1
2  kind: Pod
3  metadata:
4    labels:
5      run: multiple-command-v2
6      name: multiple-command-v2
7  spec:
8    containers:
9      - image: sysnet4admin/net-tools
10        name: net-tools
11  command: ["/bin/sh", "-c", "echo run multiple-command-v2; sleep 3600"]
```

```
1  apiVersion: v1
2  kind: Pod
3  metadata:
4    labels:
5      run: multiple-command-v3
6      name: multiple-command-v3
7  spec:
8    containers:
9      - image: sysnet4admin/net-tools
10        name: net-tools
11        command:
12          - "/bin/sh"
13          - "-c"
14          - |
15            echo run multiple-command-v3
16            sleep 3600
```

명령에 인자(args)를 추가하는 방법



```

1  apiVersion: v1
2  kind: Pod
3  metadata:
4    labels:
5      run: multiple-command-w-args
6    name: multiple-command-w-args
7  spec:
8    containers:
9      - image: sysnet4admin/net-tools
10      name: net-tools
11      command: ["/bin/sh", "-c"]
12      args:
13        - |
14          echo run multiple-command-w-args
15          echo add commentary
16          sleep 3600

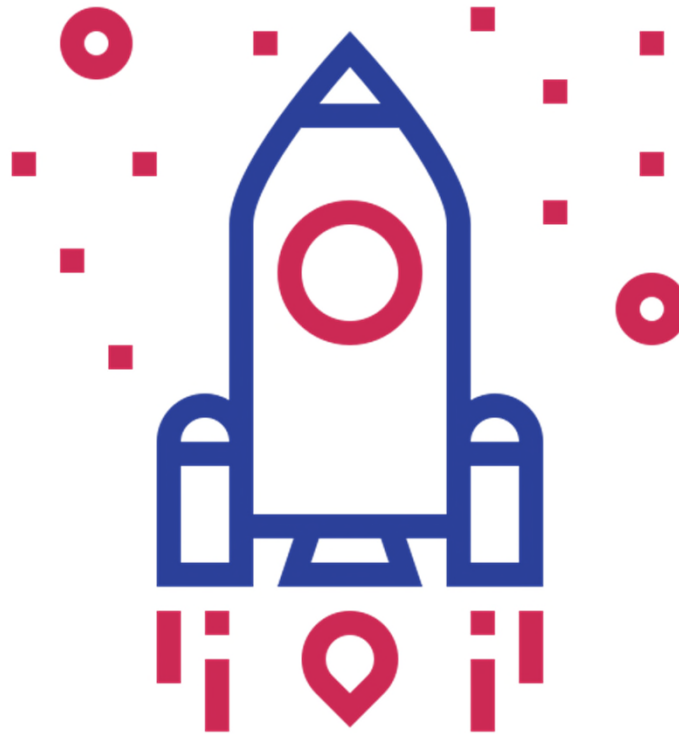
```

도커(이미지) 필드 이름	쿠버네티스에 대응되는 필드 이름	설명
Entrypoint	command	컨테이너에서 실행되는 커맨드
Cmd	arg	커맨드에 전달되는 인자들

이미지 Entrypoint	이미지 Cmd	컨테이너 command	컨테이너 args	실행되는 커맨드
ep	run cmd	<설정되지 않음>	<설정되지 않음>	ep run cmd
ep	run cmd	c-ep	<설정되지 않음>	c-ep
ep	run cmd	<설정되지 않음>	c-args	ep c-args
ep	run cmd	c-ep	c-args	c-ep c-args

원본 출처: <https://kubernetes.io/ko/docs/tasks/inject-data-application/define-command-argument-container/>

명령을 추가한 파드를 확인



다음 강좌에는...



1. 코드로 알아보는 잡(Job)



kubernetes