

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

잡(Job)을 이루는 코드

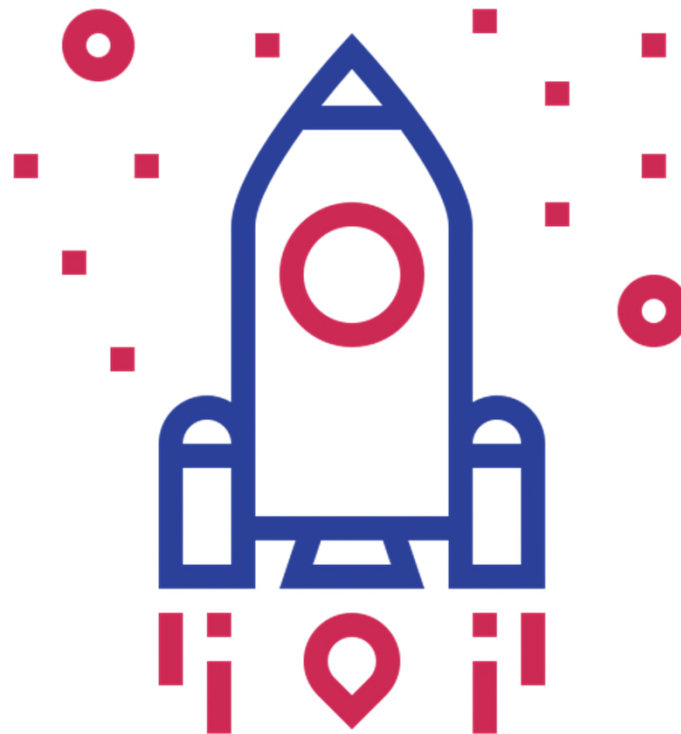


1-1-job-curl-succ



```
1  apiVersion: batch/v1
2  kind: Job
3  metadata:
4    name: job-curl-succ
5  spec:
6    template:
7      spec:
8        containers:
9          - name: net-tools
10            image: sysnet4admin/net-tools
11            command: ["curlchk", "nginx"]
12      restartPolicy: Never
```

잡의 동작 확인



잡의 병렬 실행



```
1  apiVersion: batch/v1
2  kind: Job
3  metadata:
4    name: job-completions
5  spec:
6    completions: 3
7  template:
8    spec:
9      containers:
10     - name: net-tools
11       image: sysnet4admin/net-tools
12       command: ["curlchk", "nginx"]
13     restartPolicy: Never
```



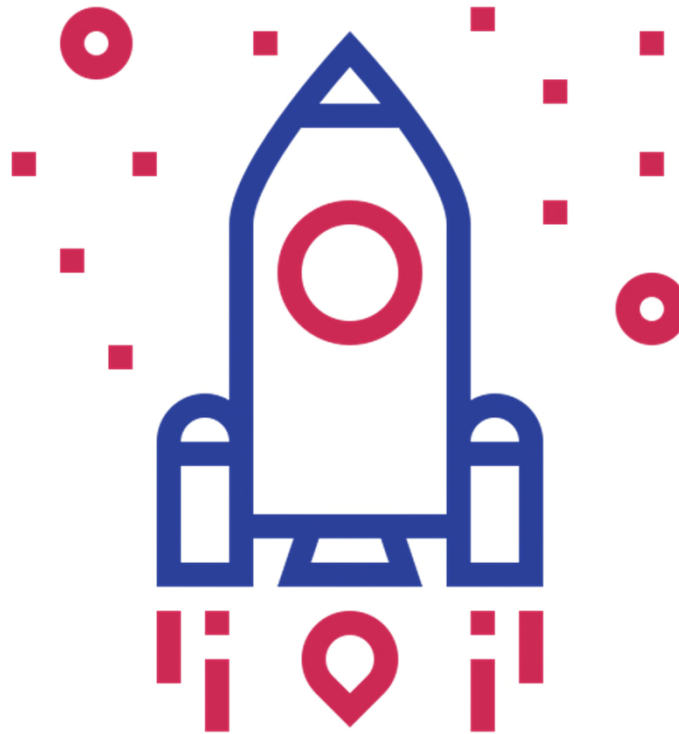
```
[root@m-k8s ~]# k get po
NAME                                READY   STATUS    RESTARTS   AGE
job-completions-cqsds               0/1     Completed 0           3m15s
job-completions-7bw2f               0/1     Completed 0           3m24s
job-completions-ffjm9               0/1     Completed 0           3m38s
```

```
1  apiVersion: batch/v1
2  kind: Job
3  metadata:
4    name: job-parallelism
5  spec:
6    parallelism: 3
7  template:
8    spec:
9      containers:
10     - name: net-tools
11       image: sysnet4admin/net-tools
12       command: ["curlchk", "nginx"]
13     restartPolicy: Never
```



```
[root@m-k8s ~]# k get po
NAME                                READY   STATUS    RESTARTS   AGE
job-parallelism-dff6s               0/1     Completed 0           69s
job-parallelism-m5fj2               0/1     Completed 0           69s
job-parallelism-r75cz               0/1     Completed 0           69s
```

잡의 병렬 실행 확인



잡의 자동 종료



```
1  apiVersion: batch/v1
2  kind: Job
3  metadata:
4    name: job-activedeadlineseconds
5  spec:
6    backoffLimit: 3
7    activeDeadlineSeconds: 30
8  template:
9    spec:
10   containers:
11     - name: net-tools
12       image: sysnet4admin/net-tools
13       command: ["/bin/sh", "-c"]
14       args:
15         - sleep 60;
16           curlchk nginx;
17       restartPolicy: Never
```



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

NAME	READY	STATUS	RESTARTS	AGE
job-activedeadlineseconds-vfqrc	0/1	ContainerCreating	0	3s
job-activedeadlineseconds-vfqrc	1/1	Running	0	6s
job-activedeadlineseconds-vfqrc	1/1	Terminating	0	30s
job-activedeadlineseconds-vfqrc	1/1	Terminating	0	61s

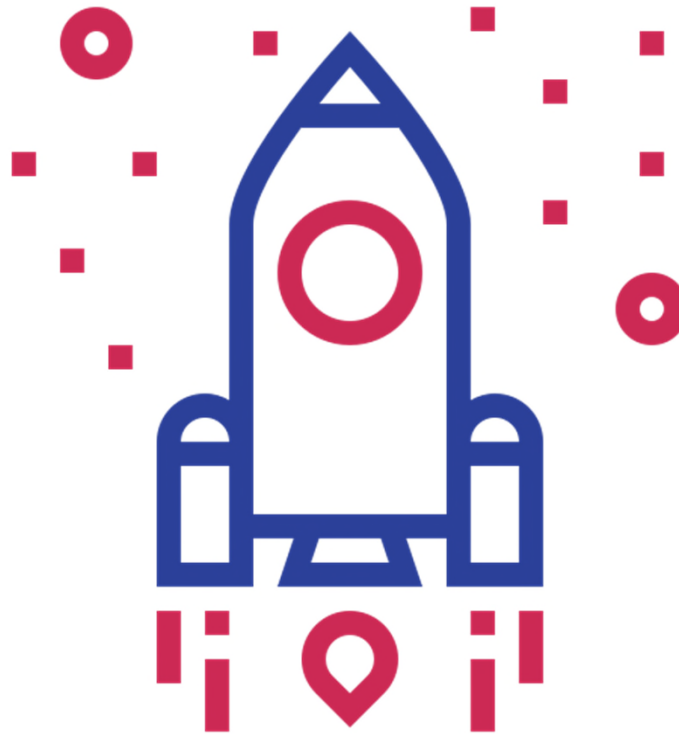
```
1  apiVersion: batch/v1
2  kind: Job
3  metadata:
4    name: job-ttlsecondsafterfinished
5  spec:
6    backoffLimit: 3
7    ttlSecondsAfterFinished: 30
8  template:
9    spec:
10   containers:
11     - name: net-tools
12       image: sysnet4admin/net-tools
13       command: ["/bin/sh", "-c"]
14       args:
15         - sleep 60;
16           curlchk nginx;
17       restartPolicy: Never
```



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

NAME	READY	STATUS	RESTARTS	AGE
job-ttlsecondsafterfinished-pk5l5	0/1	ContainerCreating	0	2s
job-ttlsecondsafterfinished-pk5l5	1/1	Running	0	6s
job-ttlsecondsafterfinished-pk5l5	0/1	Completed	0	66s
job-ttlsecondsafterfinished-pk5l5	0/1	Terminating	0	96s

잡의 자동 종료 확인



다음 강좌에는...



1. 코드로 알아보는 크론잡(CronJob)



kubernetes