

4.3~4.7. ReplicaSet, DaemonSet, Job, CronJob

https://s3-us-west-2.amazonaws.com/secure.notion-static.com/86c148c2-4cc7-4e7c-bf3b-48787b1cb843/ReplicaSet_DaemonSet_Job_CronJob-.pptx

실습 예제

- Pod
<https://kubernetes.io/examples/pods/pod-rs.yaml>
- ReplicaSet
<https://kubernetes.io/examples/controllers/frontend.yaml>

아래부터는 교재의 예제 사용

- DaemonSet
<https://raw.githubusercontent.com/luksa/kubernetes-in-action/master/Chapter04/ssd-monitor-daemonset.yaml>
- Job
 - batch-job.yaml
<https://raw.githubusercontent.com/luksa/kubernetes-in-action/master/Chapter04/batch-job.yaml>
 - multi-completion-batch-job.yaml
completion항목이 추가됨
<https://raw.githubusercontent.com/luksa/kubernetes-in-action/master/Chapter04/multi-completion-batch-job.yaml>
pod 1개씩 차례로 실행됨-총5개

- multi-completion-parallel-batch-job.yaml

parallelism 항목이 추가됨

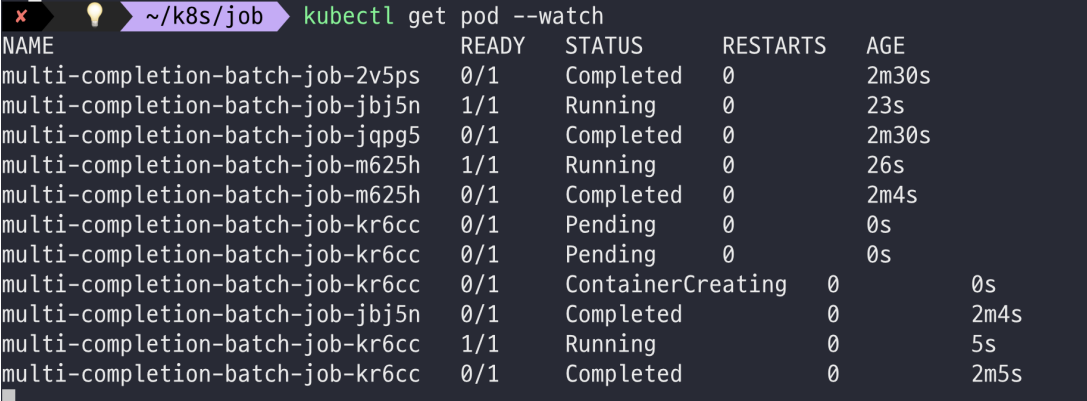
<https://raw.githubusercontent.com/luksa/kubernetes-in-action/master/Chapter04/multi-completion-parallel-batch-job.yaml>

pod 2개씩 차례로 실행됨-총 5개

+실시간 상태 확인

```
kubectl get pod --watch
```

Pending-ContainerCreating-Running-Terminating-Completed 순으로 상태가 변경됨



NAME	READY	STATUS	RESTARTS	AGE
multi-completion-batch-job-2v5ps	0/1	Completed	0	2m30s
multi-completion-batch-job-jbj5n	1/1	Running	0	23s
multi-completion-batch-job-jqpg5	0/1	Completed	0	2m30s
multi-completion-batch-job-m625h	1/1	Running	0	26s
multi-completion-batch-job-m625h	0/1	Completed	0	2m4s
multi-completion-batch-job-kr6cc	0/1	Pending	0	0s
multi-completion-batch-job-kr6cc	0/1	Pending	0	0s
multi-completion-batch-job-kr6cc	0/1	ContainerCreating	0	0s
multi-completion-batch-job-jbj5n	0/1	Completed	0	2m4s
multi-completion-batch-job-kr6cc	1/1	Running	0	5s
multi-completion-batch-job-kr6cc	0/1	Completed	0	2m5s

- CronJob

<https://raw.githubusercontent.com/luksa/kubernetes-in-action/master/Chapter04/cronjob.yaml>

CronJob → Job → pod순으로 생성

- schedule format: 분 시 일 월 요일
 - 요일: 0 → 일요일
- spec.startingDeadlineSeconds: n
 - 스케줄시간 후 n초 안에 시작되어야함

- `spec.backoffLimit`
 - job을 실패했다고 하기 전에 얼마나 다시 try할지 설정
 - default: 6