

07-job

Job What it is Job runs one-off or batch tasks to completion. When to use Data migration Report generation Backup/restore tasks Key fields `spec.completions`: total successful Pods required `spec.parallelism`: concurrent Pods `spec.backoffLimit`: retry limit before failure `spec.ttlSecondsAfterFinished`: auto cleanup Common commands `bash` `kubectl get jobs` `kubectl create job db-migrate --image=alpine -- sh -c "echo migrate; sleep 5"` `kubectl logs job/db-migrate` `kubectl describe job db-migrate` `kubectl delete job db-migrate` YAML example `yaml` `apiVersion: batch/v1` `kind: Job` `metadata: name: db-migrate` `spec: completions: 1 parallelism: 1 backoffLimit: 2 ttlSecondsAfterFinished: 3600` `template: spec: restartPolicy: Never` `containers: - name: migrate image: busybox:1.36` `command: ["sh", "-c", "echo running migration; sleep 10; echo done"]` Practical notes `restartPolicy` must be `OnFailure` or `Never`. Use `ttlSecondsAfterFinished` to reduce object clutter.