

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.