

08-cronjob

CronJob What it is CronJob creates Jobs on a cron schedule. When to use Scheduled backups Recurring data sync or cleanup Periodic reports Key fields spec.schedule: cron expression spec.concurrencyPolicy: Allow, Forbid, Replace spec.startingDeadlineSeconds: missed window tolerance spec.successfulJobsHistoryLimit / failedJobsHistoryLimit Common commands bash kubectl get cronjobs kubectl create cronjob nightly-backup --image=busybox --schedule="0 2 * * *" -- sh -c "echo backup" kubectl describe cronjob nightly-backup kubectl get jobs --selector=job-name kubectl delete cronjob nightly-backup YAML example yaml apiVersion: batch/v1 kind: CronJob metadata: name: nightly-backup spec: schedule: "0 2 * * *" concurrencyPolicy: Forbid successfulJobsHistoryLimit: 3 failedJobsHistoryLimit: 1 jobTemplate: spec: template: spec: restartPolicy: OnFailure containers: - name: backup image: busybox:1.36 command: ["sh", "-c", "echo backup start; sleep 5; echo backup done"] Practical notes Time zone behavior depends on cluster version/settings. Keep history limits small in high-frequency schedules.