

KUBERNETES FROM ZERO · WORKLOADS & TROUBLESHOOTING 3 OF 14 · LESSON 15 · LESSON KIT · HOMEWORK

Kubernetes from Zero, part 15: DaemonSets, Jobs and CronJobs

Exercises drawn only from the lesson: recall, run this and explain, predict the outcome.

Every command ran on a three-node kind v0.33.0 cluster (node v1.37.0, kubectl v1.37.2) on 10 Nov 2026. Cluster: k8s-ep13.

Use the three-node kind cluster from part 3 and the namespace k8s-from-zero. The lesson's cluster is k8s-ep13, with one control plane and two workers. Answers are in the separate answer key.

Recall

Answer from memory, then check the lesson.

1. What sets the number of Pods in a DaemonSet, and why was DESIRED 2 on the three-node cluster?

2. What do completions, parallelism and Indexed mode each do?

3. What does timeZone change, and what does concurrencyPolicy Forbid do?

Run this and explain

Run each command, then answer.

4. Apply the node-agent DaemonSet and run kubectl get daemonset node-agent. What does DESIRED mean here?

5. Wait for job/batch with --for=condition=complete. What did the lesson record for completions, duration and indexes?

SCAN FOR THE LESSON

Lesson: **Kubernetes from Zero, part 15: DaemonSets, Jobs and CronJobs**

https://aitamer.news/posts/k8s-from-zero-15-daemonsets-jobs-cronjobs/?utm_source=lessonkit&utm_medium=pdf&utm_campaign=k8s-15&utm_content=homework

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6 Run kubectl create job report-now --from=cronjob/report. What is that command for?

Predict the outcome

Write your prediction first. Then check the answer key.

7 A DaemonSet shows fewer Pods than you have nodes. What does the lesson tell you to check?

8 A Job is Failed with reason BackoffLimitExceeded, and restartPolicy is Never. Can you still read the logs, and will this Job try again?

9 A CronJob fires at the wrong hour, or skips runs after the controller was down. What does the lesson name?

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