

KUBERNETES FROM ZERO · WORKLOADS & TROUBLESHOOTING 2 OF 14 · LESSON 14 · LESSON KIT · HOMEWORK

Kubernetes from Zero, part 14: StatefulSets, stable names and a disk per Pod

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

Every command ran on three-node kind v0.33.0 (node v1.37.0, kubectl v1.37.2), postgres:18-alpine, 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`. The database in the lab is for learning. Answers are in the separate answer key.

Recall

Answer from memory, then check the lesson.

1. What three things does a StatefulSet give each Pod?

2. In what order do Pods start and stop under the default policy?

3. What happens to claims on scale-down and on delete, by default?

4. Why can Pods fail to find each other by name even when they are Running?

Predict the outcome

Write your prediction first. Then check the answer key.

5. The first version of `web-sts.yaml` probed `/` with httpGet, and the empty claim hid nginx's default page. What status code came back, and which Pods were created?

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6 You change the claim template from 1Gi to 2Gi and apply again. What does the API say?

7 You revert a bad template and the rollout stays stuck. What does the lesson say to delete?

SCAN FOR THE LESSON

Lesson: **Kubernetes from Zero, part 14: StatefulSets, stable names and a disk per Pod**

https://aitamer.news/posts/k8s-from-zero-14-statefulsets/?utm_source=lessonkit&utm_medium=pdf&utm_campaign=k8s-14&utm_content=homework

NEXT IN THE SERIES Next: Lesson 15, DaemonSets, Jobs and CronJobs. Kubernetes from Zero, part 15, DaemonSets, Jobs and CronJobs. Lesson page

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