

Kubernetes training for teams running real systems

Instructor-led Kubernetes training for engineering teams, delivered privately and tailored to your platform, workloads, and goals.

This is for teams that need to:



Launch to production with confidence, because engineers understand shutdown behavior, probes, resource sizing, rollout strategy, dashboards, alerts, rollback, and on-call visibility.



Migrate workloads to Kubernetes without carrying over old assumptions about deployments, networking, ownership, and day-two operations.



Take over an inherited cluster and know what is safe to change, what needs attention, and where the operational risks are hiding.



Get developers, platform engineers, and operators working from the same mental model, so more people can deploy and troubleshoot safely on the shared platform.

DAY 1

1. Linux containers and Kubernetes

LECTURE + HANDS-ON LABS + CHALLENGES

2. Kubernetes fundamentals

LECTURE + HANDS-ON LABS + CHALLENGES

3. Deployment strategies

LECTURE + HANDS-ON LABS + CHALLENGES

DAY 2

1. Templating Kubernetes resources

LECTURE + HANDS-ON LABS + CHALLENGES

2. Kubernetes Architecture

LECTURE + HANDS-ON LABS

DAY 3

1. Cluster networking and east-west traffic

LECTURE + HANDS-ON LABS

2. North-south traffic and Service Meshes

LECTURE + HANDS-ON LABS

3. Advanced scheduling

LECTURE

DAY 4

1. Managing state in Kubernetes

LECTURE + HANDS-ON LABS

2. Autoscaling

LECTURE + HANDS-ON LABS

3. Security

LECTURE

Customize the agenda

In private classes, you can:

- ✓ Customise your schedule, liaising with our expert consultants to devise your programme of learning from a choice of topics
- ✓ Skip the basics if you don't need to learn them
- ✓ **Review your Kubernetes setup** with a LearnKube instructor, identify the biggest production risks, and based your learnings on your cluster configuration.

Where's a list of customizations we addresses in the past:

Running GPUs with Kubernetes

Kubernetes on Amazon Web Service (AWS) with EKS

Kubernetes on Azure with AKS

Kubernetes on Google Cloud with GKE

Kubernetes for highly regulated (or air-gapped) environments

Kubernetes for on-premise clusters

Building platform on Kubernetes and multitenancy

Kubernetes for low latency applications

Prerequisites

- Knowledge of basic Linux commands and navigation.
- Familiarity with Linux networking.
- Some experience with reverse proxies such as Nginx or HAProxy.
- Exposure to Virtual Machines.
- A laptop with 8GB of memory and 20GB of space available.
- Windows, macOS, Ubuntu (or your favourite Linux distribution).

NDA

Private training can be delivered under NDA.

We do not require cluster access, credentials, or production data.

If useful, your engineers can bring internal examples, architecture diagrams, manifests, and configuration questions so the course maps to your environment.

What your team gets

- ✓ **Lifetime access to the LearnKube Academy** — the self-paced Kubernetes material.
- ✓ **A virtual workstation in the cloud** to solve the labs for each delegate for the duration of the course.
- ✓ **Lifetime access to the private Slack channel** where you can always ask for help.
- ✓ **A certificate of completion** signed by the instructor.

What teams say after training

The technical depth of demos and deep-dive explanations - so much better than any of the many online on-demand classes I've taken — **Dana Finster, Walmart**

I really liked how well everything was structured and how a lot of concepts would fall back towards previous lessons to paint a bigger picture on how Kubernetes operates as a whole — **Jonathan, Coinbase**

The instructor is able to explain key concepts very clearly, and keep the class very engaged throughout the course. The materials and the labs are very useful — **Anthony Chan, EDF**

This course is very good in explaining the basic and advanced topics of Kubernetes and it was presented in a very digestible, and easy to understand format — **James Seaman, Sabel Systems**

I would highly recommend the class for covering Kubernetes and drilling in deep on how it all works — **Jonathan Hall, HPE**

Interactive labs prepared in a way that you can scrap and restart whenever you like, easy to follow instructions — **Mike, Bloomberg**

The interactivity and engagement, and walking away with a lot more confidence in Kubernetes — **Alex Conner, F5**

Discuss a private Kubernetes training for your team

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→ SPEAK TO AN INSTRUCTOR

KUBERNETES PRODUCTION READINESS REVIEW

Private training helps your team build the skills to operate Kubernetes, but sometimes the first question is simpler: **is the cluster actually ready for production?**

A LearnKube instructor can review your setup and operational assumptions with your engineers.

Send us an email at hello@learnkube.com

Visit learnkube.com/corporate-training

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