Kubernetes for App Developers

LFD459

Learning to build Kubernetes applications opens up career opportunities in high-demand positions in DevOps, cloud engineering, and containerization. Using Python, this course teaches how to define application resources and use core primitives to build, monitor, and troubleshoot scalable applications in Kubernetes - including working with network plugins, security, and cloud storage to deploy applications in a production environment.

Course Contents
- Introduction
- Kubernetes Architecture
- Build
- Design
- Deployment Configuration
- Understanding Security
- Exposing Applications
- Application Troubleshooting
- Closing and Evaluation Survey

Target Group
This course is aimed at experienced application developers who need to containerize, host, deploy and configure an application in a multi-node cluster.

Prerequisites
Starting with a simple Python script, this course shows you how to define application resources and use core primitives to build, monitor, and troubleshoot scalable applications in Kubernetes. Working with network plugins, security and cloud storage, you will be exposed to many of the features required to deploy an application to a production environment.

In addition to this LFD459 training (alternatively LFD259 e-learning), the following Linux Foundation e-learnings are required for the Certified Kubernetes Application Developer (CKAD) exam:

- Introduction to Cloud Infrastructure Technologies (LFS151) (free of charge)
- Introduction to Kubernetes (LFS158) (free of charge)
- Containers Fundamentals (LFS253)

The exact certification path can be found in the CKAD Curriculum Path.

Course Target
The course, along with hands-on experience and study, provides the skills and knowledge that are also tested by the Certified Kubernetes Application Developer (CKAD) exam.

Exam

The online proctored exam is taken on PSI's “Bridge” proctoring platform using the PSI Secure Browser (a web browser designed to ensure secure exam administration via a virtual connection). For more information, see the Linux Foundation's exam tips.

In addition, the exam gives you access to an exam simulator provided by Killer.sh. You have two simulation attempts (36 hours of access for each attempt from the start of activation). The simulation consists of 20-25 questions, which, unlike the actual exam, are exactly the same for each attempt and each user. The simulation provides graded results.

Processing time
approx. 35 hours

Status 10/27/2026

This Course in the Web

You can find the up-to-date information and options for ordering under the following link:
www.experteach-training.com/go/**KUAD**

Reservation
On our Website, you can reserve a course seat for 7 days free of charge and in an non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates
To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!
We can precisely customize this course to your project and the corresponding requirements.

Linux Foundation E-Learning
Die Linux Foundation E-Learnings sind Online-Kurse zum Selbststudium, die über einen Webbrowser aufgerufen werden können. Das Angebot umfasst eine große Anzahl an Videos, ergänzt durch spezielle Übungen. Zustätzlich sind die Inhalte auch in textlicher Form enthalten. Der Zugang ist für zwölf Monate gültig. Sie benötigen einen aktuellen Browser, Internet-Zugang und bei Laborübungen ggf. eine zusätzliche Konfiguration.

Linux Foundation E-Learning	**Prices, excl. of V.A.T.**
Kubernetes for Developers (LFD259) – 12 months activation	**€ 299**

Training		**Prices, excl. of V.A.T.**
Classes in Germany	**3 Days**	**€ 2,395**
Online Training	**3 Days**	**€ 2,395**
Date/course venue		Course language German
21/04-23/04/27 ONOnline		29/11-01/12/27 ONOnline
09/08-11/08/27 ONOnline		

Kubernetes for App Developers

ExperTeach

Our Training Offer for You:

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The live training experience in our training centers or on your premises on-site.

Online Training
Attend your course in online mode – without travel and accommodation expenses and effort.

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ExperTeach guaranteed course dates allow for secure and reliable planning.

Awards Won by ExperTeach

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