Learning Guide

Exoscale Certified
Container Engineer

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Overview

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Welcome

Become an Exoscale Expert

At Exoscale, we believe in the power of online education. By combining modern technologies with the latest learning research, we offer high-quality training that is accessible from anywhere.

Our simple application process makes it easy for you to join the Exoscale Academy, deepen your knowledge of the Exoscale platform, and grow your professional skill set.

We look forward to welcoming you to the Academy.

Yours sincerely,

The Academy Team
academy@exoscale.com

Overview

The **Exoscale Certified Cloud Engineer** (**CCE**) course offers a practical, hands-on deep dive into building and running containerized workloads on Exoscale.

This course starts with modern application deployment basics and shows how to package services into Docker containers, write Dockerfiles, build and run images, and work with registries like Docker Hub using a concrete sample app. You then move to Kubernetes, learning effective use of kubectl, cluster structure, and core Kubernetes resources.

You'll work with manifests, rolling updates and rollbacks, storage concepts, and see how Exoscale storage integrates with Kubernetes via the Exoscale CSI driver. You'll also explore Exoscale SKS and its managed Kubernetes ecosystem components.

Combined with the CCE exam and certification process, this provides a structured path for software engineers to containerize applications, adopt Kubernetes, and validate their ability to deploy, operate, and troubleshoot production workloads on Exoscale.

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What You'll Learn

Container-Based Application Deployment

Move from traditional and virtualized deployment models to containerized workloads, using a concrete sample application. Learn how to prepare your app, manage dependencies, and package services consistently with containers.

Docker Fundamentals & Image Lifecycle

Work with Dockerfiles, build and run images, and use registries such as Docker Hub. Understand how to structure images for fast builds, efficient runtime behavior, and secure distribution.

From Docker to Kubernetes

Transition from running single containers to orchestrating them with Kubernetes. Use basic `kubectl` commands to interact with the cluster.

Core Kubernetes Resources & Workloads

Work hands-on with core resources and learn how to combine them into robust application deployments.

Manifests, Updates & Rollouts

Define workloads using manifests, apply best-practice configuration, and perform rolling updates and controlled rollouts.

Kubernetes Storage & Exoscale Integration

Understand volumes, persistent volumes, and their lifecycle, and map these concepts to Exoscale storage services via the Exoscale CSI driver.

Managed Kubernetes & Operations

Leverage Exoscale SKS and the managed Kubernetes ecosystem to run production workloads, and develop practical skills in troubleshooting, debugging, and interpreting errors and events to keep clusters and applications healthy.

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Benefits

The Academy gives you a focused, flexible way to build real cloud skills with Exoscale:

Role-Based Learning Paths

Follow curated tracks for developers, operators, and architects so you learn exactly what you need for your day-to-day work.

Hands-On, Practical Content

Courses are designed around real-world use cases on Exoscale, helping you move quickly from theory to practice.

Official Certifications

Validate your skills with Exoscale certifications that demonstrate your expertise to employers, customers, and partners.

Learn at Your Own Pace

All content is available 24/7. Start, pause, and resume modules whenever it fits your schedule.

Multiple Learning Formats

Prefer reading or watching? Access the same content as interactive courses, videos, or ebook-style documentation.

Always Up to Date

Academy content is maintained by Exoscale experts, so you learn best practices that match the current platform.

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How to Join & Start

Academy Registration

It's easy if you are a first-time visitor go to **exoscale.com/academy** and click on: **JOIN THE ACADEMY**

1 Sign in or, if new, join the Exoscale Academy to access the courses.

2 Go to Academy Courses and select the course that interests you most.

3 Enroll in your course and carefully read the first two sections before starting.

4 Take your course online and learn at your own pace when you are ready.

Academy Courses

Go to the Courses web page and click on GET STARTED of your desired course.

exoscale.com/academy/courses

Academy Exams

Go to the Exams web page and click on GET CERTIFIED of your desired exam.

exoscale.com/academy/exams

Academy Formats

If you're not a fan of e-learning platforms but still an avid self-learner, visit our resources section. There, you'll find the content in ebook-style, also including the videos.

community.exoscale.com/academy

Academy Availability

Whenever you're ready to start a course or take a certification exam, we're ready too. Visit exoscale.com/academy to get started or get certified. *Opening Hours: 24/7.*

exoscale.com/academy

FAQ

What is Exoscale Academy?

Exoscale Academy is an online learning platform where you can build and validate your skills on Exoscale through structured courses and official certifications.

Who is Exoscale Academy for?

It's designed for engineers, administrators, architects, and anyone who wants to learn how to use Exoscale effectively—from beginners to advanced users.

How do I access Exoscale Academy?

Simply visit **exoscale.com/academy**, create or log in with your Academy account, and start learning.

What do I need to follow the courses?

You only need an internet connection and a browser. For hands-on labs, having an Exoscale account is recommended so you can try things directly on the platform.

Is there an alternative to the e-learning platform?

Yes. If you prefer reading, you can access the same content in ebook-style format, along with the same videos, via the Exoscale Documentation at **community.exoscale.com/academy**.

Is there an instructor-led format available?

Yes, you can book individual training with our Training Partners or attend classroom or hybrid training from our Training Center Partners for a more personal learning experience. Visit **exoscale.com/academy/plus**.

How much does it cost?

All course content is free; the first exam for each certification course is on us. If you need an exam retake or a focused exam prep session, please contact our Training Center Partners - **exoscale.com/academy/plus**.

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Expand Your Knowledge by Joining Our Academy. Showcase Your Cloud Readiness with an Exoscale Certification.

Join the Academy, an innovative education platform with the best learning experience provided by Exoscale cloud experts.

JOIN THE ACADEMY **SIGN-IN**

Embracing lifelong learning is a significant challenge that holds the key to personal and professional growth. At Exoscale, we are dedicated to turning this challenge into a rewarding journey by providing enriched, accessible learning experiences.

Hans Berndl, Academy Lead

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