

# VMware Kubernetes Fundamentals and Cluster Operations

**Duration:** 32.00 hours (4 days)

**26.0 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Other

## Course Overview

This four-day course is the first step in learning about Containers and Kubernetes Fundamentals and Cluster Operations. Through a series of lectures and lab exercises, the fundamental concepts of containers and Kubernetes are presented and put to practice by containerizing and deploying a two-tier application into Kubernetes.

## About This Course

This four-day course is the first step in learning about Containers and Kubernetes Fundamentals and Cluster Operations. Through a series of lectures and lab exercises, the fundamental concepts of containers and Kubernetes are presented and put to practice by containerizing and deploying a two-tier application into Kubernetes.

## Who Should Attend

Anyone who is preparing to build and run Kubernetes clusters

# Learning Outcomes

---

**Upon successful completion of this course, participants will be able to:**

By the end of the course, you should be able to meet the following objectives:

Build, test, and publish Docker container images

Become familiar with YAML files that define Kubernetes objects

Understand Kubernetes core user-facing concepts, including pods, services, and deployments

Use kubectl, the Kubernetes CLI, and become familiar with its commands and options

Understand the architecture of Kubernetes (Control plane and its components, worker nodes, and kubelet)

Learn how to troubleshoot issues with deployments on Kubernetes

Apply resource requests, limits, and probes to deployments

Manage dynamic application configuration using ConfigMaps and Secrets

Deploy other workloads, including DaemonSets, Jobs, and CronJobs

Learn about user-facing security using SecurityContext, RBAC, and NetworkPolicies

## Additional Course Details

---

Nexus Humans VMware Kubernetes Fundamentals and Cluster Operations training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the VMware Kubernetes Fundamentals and Cluster Operations course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

---

## **Q: What delivery options are available for VMware Kubernetes Fundamentals and Cluster Operations?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
- 

## **Q: How many CPD hours does this course provide?**

The 4-day VMware Kubernetes Fundamentals and Cluster Operations course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

---

## **Q: What is the duration of the VMware Kubernetes Fundamentals and Cluster Operations training?**

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

---

## **Q: Do you provide corporate training for VMware Kubernetes Fundamentals and Cluster Operations?**

Yes, we provide corporate training, dedicated training, and closed classes for VMware Kubernetes Fundamentals and Cluster Operations. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

---

## Q: Why choose Nexus Human for VMware Kubernetes Fundamentals and Cluster Operations?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

---

## Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your VMware Kubernetes Fundamentals and Cluster Operations training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

# Nexus Human

## Professional Training & Development

 Email: [info@nexushuman.com](mailto:info@nexushuman.com)

 Website: [www.nexushuman.com](http://www.nexushuman.com)

 Phone: +353 1 XXX XXXX (Ireland) | +44 20 XXXX XXXX (UK)