Getting Started with Kubernetes (TTDV7590)

Category: Infrastructure & IT Operations | **Vendor:** Trivera Tech

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Containerization has taken the IT world by storm in the last few years. Large software houses, starting from Google and Amazon, are running significant portions of their production load in containers. Kubernetes is an open-source system for automating deployment, scaling, and management of containerized applications. This is a hands-on workshop style course that teaches core features and functionality of Kubernetes. You will leave this course knowing how to build a Kubernetes cluster, and how to deploy and manage applications on that cluster.

About This Course

Containerization has taken the IT world by storm in the last few years. Large software houses, starting from Google and Amazon, are running significant portions of their production load in containers. Kubernetes is an open-source system for automating deployment, scaling, and management of containerized applications.

This is a hands-on workshop style course that teaches core features and functionality of Kubernetes. You will leave this course knowing how to build a Kubernetes cluster, and how to deploy and manage applications on that cluster.

Who Should Attend

This in an introductory-level class for intermediate skilled team members. Students should have prior software development experience or exposure, have some basic familiarity with containers, and should also be able to navigate the command line.

Learning Outcomes

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

This course is approximately 50% hands-on, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Our engaging instructors and mentors are highly experienced practitioners who bring years of current 'on-the-job' experience into every classroom.
Working in a hands-on learning environment led by our expert facilitator, students will explore:
What a Kubernetes cluster is, and how to deploy and manage them on-premises and in the cloud.
How Kubernetes fits into the cloud-native ecosystem, and how it interfaces with other important technologies such as Docker.
The major Kubernetes components that let us deploy and manage applications in a modern cloud-native fashion.
How to define and manage applications with declarative manifest files that should be version-controlled and treated like code.

Detailed Course Outline

Getting Started

- Our sample application
- Kubernetes concepts
- Declarative vs imperative
- Kubernetes network model
- First contact with kubectl
- Setting up Kubernetes
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Working with Containers

- Running our first containers on Kubernetes
- Exposing containers
- Shipping images with a registry
- Running our application on Kubernetes

Exploring the Kubernetes Dashboard

- The Kubernetes dashboard
- Security implications of kubectl apply
- Scaling a deployment
- Daemon sets
- Labels and selectors
- Rolling updates

Next Steps

- Accessing logs from the CLI
- Managing stacks with Helm
- Namespaces
- Next steps

, Getting Started with Kubernetes

Our sample application

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Additional Course Details

Nexus Humans Getting Started with Kubernetes (TTDV7590) 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 Getting Started with Kubernetes (TTDV7590) 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 Getting Started with Kubernetes (TTDV7590)?

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 2-day Getting Started with Kubernetes (TTDV7590) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Getting Started with Kubernetes (TTDV7590) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Getting Started with Kubernetes (TTDV7590)?

Yes, we provide corporate training, dedicated training, and closed classes for Getting Started with Kubernetes (TTDV7590). 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: What related terms do people search for?

Popular related searches include: Kubernetes

Q: Why choose Nexus Human for Getting Started with Kubernetes (TTDV7590)?

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 Getting Started with Kubernetes (TTDV7590) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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