

## Kubernetes Introduction

**Duration: 1 Day**    **Course Code: GKKUBINT**

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### Overview:

This Kubernetes introduction training is suitable for anyone who wants to learn the basics of Kubernetes. Based on: a restricted amount of theory, exercises, and working examples this training offer insight and basic skills focused on Kubernetes and Cloud-Native.

#### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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### Target Audience:

**The Kubernetes Introduction training is especially meant for:** For the beginner with Kubernetes, who wants to have a basic understanding of Kubernetes after the training and wants to be able to work with Kubernetes on an entry-level. For every IT specialist who is looking for an introduction to the context, and insight into the new technology and principles of Kubernetes and Cloud-Native. For the manager, with enough technical (Linux) baggage to meet the (below) knowledge criteria, and who is looking for a general introduction and a better understanding of Kubernetes, Cloud Native.

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### Objectives:

- The goal of the training is hands-on learning to work with Kubernetes, so after this training, a participant is able to use Kubernetes on a basic level in his/her work practice.
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### Prerequisites:

A lot of work is done with the ubuntu command-line (windows Linux subsystem), where several shell windows have to be kept open at the same time. Knowledge of and skill with bash, Linux commands, private and public keys is required to follow the pace of this training.

### Testing and Certification

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### Follow-on-Courses:

The following is recommended for further study:

- Kubernetes CKA Professional (GKKUBCKA)
  - Kubernetes CKA Advanced (GKKUBCKAA)
  - Kubernetes CKAD Professional (GKKUBCKAD)
  - Kubernetes CKAD Advanced (GKKUBCKADA)
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## Content:

The training covers the following topics:

- Context – IT history ; virtualization;
- What are microservices and why is it relevant;
- What is Kubernetes;
- What is Cloud-Native;
- Working with Kubernetes: kubectl;
- Introduction to Helm;
- Working with Ingress Controller;
- Automated ci/cd example;
- Service Mesh example

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## Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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