Kubernetes Application Essentials

Duration: 2 Days   Course Code: CN120   Delivery Method: Virtual Learning

Overview:

Whether your focus is on developing containerized applications or managing a container-centric infrastructure, CN120 introduces Kubernetes container orchestration for everyone involved in the software development life cycle. Through a real-world approach for design and deployment considerations, students can expect to learn about the foundational Kubernetes components required for application workloads. Specifically, students will examine Kubernetes architecture, explore how Kubernetes objects work together for running an application, and learn how Kubernetes makes use of compute, networking, and storage resources.

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.

Target Audience:

General technical audiences & IT professionals

Prerequisites:

Attendees should meet the following prerequisites:

- CN100 course or equivalent experience
- Familiarity with the Bash shell
- Filesystem navigation and manipulation
- Command line text editors like vim or nano
- Common tooling like curl, wget and ping
- Familiarity with YAML and JSON notation
- CN100 - Docker Containerization Essentials

Follow-on-Courses:
- CN251 - Cloud Native Operations Bootcamp
- CN252 - Cloud Native Development Bootcamp
- CN220 - Kubernetes Operations
- CN230 - Kubernetes Native Application Development

Content:

- Make effective use of pod architecture
- Deploy workloads as Kubernetes controllers

- Provision configuration at runtime to Kubernetes workloads
- Network pods together across a cluster using native services

- Provision highly available storage to Kubernetes workloads
- Package an application as a Helm chart

Additional Information:

Lab Requirements:
Laptop with WiFi connectivity Attendees should have the latest Chrome or Firefox installed, and a free account at strigo.io.

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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