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## Kubernetes Application Essentials

Varighed: 2 Days    Kursus Kode: CN120    Leveringsmetode: Virtuel deltagelse

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### Beskrivelse:

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.

### Virtuel deltagelse

Et V&C Select kursus indholder nøjagtig det samme som et almindeligt kursus. Før kursusstart modtager man kursusmaterialet. Dernæst logger man på kurset via internettet og ser via sin pc den selvsamme præsentation som de øvrige deltagere, man kommunikerer via chat med underviseren og de øvrige deltagere på kurset. Denne uddannelsesmodel er både tids-og omkostningsbesparende og kan være et oplagt alternativ til almindelig klasseundervisning, hvis man f.eks. har et begrænset rejsebudget.

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### Målgruppe:

This course is targeted at students with the following:

**Motivations:** General technical audiences & IT professionals

**Roles:** Architect basic applications for Kubernetes

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### Agenda:

- 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
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### Forudsætninger:

- 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
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### Yderligere Kurser:

- CN210 - Docker Enterprise Operations
  - CN220 - Kubernetes Operations
  - CN230 - Kubernetes Native Application Development
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## Indhold:

### Lab Requirements

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

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## Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tf.nr.: 44 88 18 00

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