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## Kubernetes Operations

**Varighed: 2 Days    Kursus Kode: CN220    Leveringsmetode: Virtuel deltagelse**

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### Beskrivelse:

This class centers on developing the skills and knowledge needed for Day-1 Kubernetes operations for managing applications. Using best practices as guiding principles, students will engage in topics pertaining to the Kubernetes architecture to make informed decisions for production workloads. Topics include configuring resource availability for applications, implementing advanced scheduling for applications, and administering user roles and permissions for the Kubernetes cluster. Kubernetes Operations and System Integration teams will benefit greatly as they plan and deploy their Kubernetes production environments.

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### Målgruppe:

**This course is targeted at students with the following:**

**Motivations:** Perform core 'day-1' operational tasks on Kubernetes

**Roles:** Infrastructure and Integration engineers tasked with day-to-day application workload management; IT professionals looking to expand

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### Agenda:

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| ■ Kubernetes Architecture                     | ■ Mapping ingress to an application                     |
| ■ Managing Application Security               | ■ Enabling security in the Kubernetes Security Model    |
| ■ Releasing updates to Kubernetes workloads   | ■ Provisioning networking within the Kubernetes cluster |
| ■ Scheduling options for Kubernetes workloads | ■ Implementing multi-tenancy in a Kubernetes cluster    |
| ■ Managing Kubernetes cluster resources       |   |
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### Forudsætninger:

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| ■ 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  |  |
| ■ Basic familiarity with common software development patterns and tools like version control, testing, continuous integration and logging. |  |
| ■ CN120 - Kubernetes Application Essentials  |  |
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### Yderligere Kurser:

- CN320 - Advanced Kubernetes Operations
  - CN251 - Cloud Native Operations Bootcamp
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## Flere Informationer:

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

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