
Mirantis Container Cloud (MCC) Bootcamp

Varighed: 4 Days Kursus Kode: CN254 Leveringsmetode: Virtuel deltagelse

Beskrivelse:

In this intense bootcamp, you'll encounter containers for the first time, learn to orchestrate them into scalable, highly available applications orchestrated by Kubernetes, and finally begin deploying production grade Kubernetes clusters through Mirantis Container Cloud. This bundle is ideal for students who are just starting out with containerization and want to leverage the full power of Kubernetes across multiple clusters and teams. Students will leave the workshop with a proof of concept Mirantis Container Cloud deployment on AWS.

Målgruppe:

This course is targeted at students with the following:

- Motivations: Quickly learn the foundations of containerization and orchestration with Kubernetes, and deploy multiple Kubernetes clusters to AWS.
 - Roles: System Operators & Administrators
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Agenda:

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| ■ CN100 | ■ Make effective use of pod architecture |
| ■ Containerization motivations and implementation | ■ Deploy workloads as Kubernetes controllers |
| ■ - Usecases | ■ Provision configuration at runtime to Kubernetes workloads |
| ■ - Comparison to virtual machines | ■ Network pods together across a cluster using native services |
| ■ Creating, managing and auditing containers | ■ Provision highly available storage to Kubernetes workloads |
| ■ - Container implementation from the Linux kernel | ■ Package an application as a Helm chart |
| ■ - Container lifecycle details | ■ CN211 |
| ■ - Core container creation, auditing and management CLI | ■ Mirantis Container Cloud Architecture |
| ■ Best practices in container image design | ■ - Management, regional, managed and attached cluster usage and architecture |
| ■ - Layered filesystem implementation and performance implications | ■ - Installation and setup of management and managed clusters |
| ■ - Creating images with Dockerfiles | ■ MCC User Management |
| ■ - Optimising image builds with multi-stage builds and image design best practices | ■ - Using Keycloak to manage user permissions |
| ■ Single-host container networking | ■ - Integrating LDAP with MCC |
| ■ - Docker native networking model | ■ - Managing permissions for multitenancy |
| ■ - Software defined networks for containers | ■ Cluster Logging & Monitoring |
| ■ - Docker-native single-host service discovery and routing | ■ - Stacklight configuration and cluster integration |
| ■ Provisioning external storage | ■ - Using Prometheus and Grafana dashboards |
| ■ - Docker volume creation and management | ■ - Customizing Stacklight configurations & third-party integrations |
| ■ - Best practices and usecases for container-external storage. | ■ - Exploring logs with Kibana |
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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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