Mirantis Cloud Native Operations Bootcamp

Duration: 5 Days **Course Code: CN251** **Delivery Method: Company Event**

Overview:

CN251 is an intensive cloud native training bootcamp for IT professionals looking to develop skills in deploying and administering containerized applications in Kubernetes.

Over the course of five days, students will start with learning about first principles for application containerization followed by learning how to stand up a containerized application in Kubernetes, and, finally, ramping up the skills for day-1 operating tasks for managing a Kubernetes production environment. CN251 is an ideal course for those who need to accelerate the development of their IT skills for a rapidly-changing technology landscape.

Updated Sept. 2026

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

This course is targeted at students with the following:
Motivations: Use and manage containers from first principles & architect basic applications for Kubernetes
Roles: general technical audiences & IT professionals

Objectives:

- ** This course combines all topics of CN100, CN120, and CN220
- **After this course, participants will be able to:**
- Understand containerization concepts and manage containerized applications using industry best practices.
- Deploy, configure, and manage applications in Kubernetes environments.
- Perform day-to-day Kubernetes operations, including workload management, scaling, networking, and security.
- Apply best practices for administering and maintaining production Kubernetes clusters.
- Develop practical skills to support cloud-native application deployment and operations.

Prerequisites:

- At least six months experience in cloud infrastructure administration
- 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

Testing and Certification

None

Follow-on-Courses:

None

- CN320 - Advanced Kubernetes Operations

Content:

- Containerization fundamentals and cloud-native application concepts
- Building, running, and managing containerized applications
- Kubernetes architecture and core components
- Deploying applications on Kubernetes
- Kubernetes workload management and scheduling
- Application scaling, updates, and high availability
- Kubernetes networking, services, and ingress
- Persistent storage and data management in Kubernetes
- Kubernetes security, RBAC, and access control
- Monitoring, troubleshooting, and day-to-day Kubernetes operations
- Production cluster administration and operational best practices
- Managing and maintaining cloud-native environments at scale

Additional Information:

Lab Requirements Laptop with WiFi connectivityAttendees 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 +1 (800) 268 7737

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