



MIRANTIS

CN253: Mirantis Cloud Native Platform Bootcamp

Code:	CN253
Length:	4 days
URL:	View Online

In this intense bootcamp, you'll encounter containers for the first time, learn to orchestrate them into scalable, highly available applications orchestrated by Docker Swarm, and finally discover how to enhance the security of your entire software supply chain and production environments using Mirantis Kubernetes Engine and Mirantis Secure Registry. This bundle is ideal for students who are just starting out with containerization and want to leverage the full power of Swarm and the Mirantis orchestration platform as soon as possible.

Skills Gained

- This course combines all topics of CN100, CN110, CN212 and CN213

Who Can Benefit

This course is targeted at students with the following:

- Motivations: Quickly learn the foundations of containerization and orchestration with Swarm, and become familiar with all the features of Mirantis Kubernetes Engine and Mirantis Secure Registry.
- Roles: System Operators & Administrators

Prerequisites

- Familiarity with the bash shell
- Filesystem navigation and manipulation
- Command line text editors like vim or nano
- Common tooling like curl, wget and ping

Course Details

Lab Requirements

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

Course Outline

Day 1

- Containerization motivations and implementation
- Creating, managing and auditing containers
- Best practices in container image design
- Single-host container networking
- Provisioning external storage

Day 2

- Setting up and configuring a Swarm
- Deploying workloads on Swarm
- Networking Swarm workloads
- Provisioning dynamic configuration
- Provisioning persistent storage
- Application rollout and upgrade
- Advanced scheduling control

Day 3

- Mirantis Kubernetes Engine architecture
- Access control in MKE
- L7 networking features
- MKE Support Dumps
- MKE Troubleshooting

Day 4

- Mirantis Secure Registry architecture
- Access control in MSR
- Content Trust
- Security Scanning
- Repository Automation
- Image Management
- MSR Troubleshooting

Download Whitepaper: Accelerate Your Modernization Efforts with a Cloud-Native Strategy

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