



# MIRANTIS

## CN253: Mirantis Cloud Native Platform Bootcamp

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<b>Code:</b>	CN253
<b>Length:</b>	4 days
<b>URL:</b>	<a href="#">View Online</a>

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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](https://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

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## Schedule (as of 3 )

Date	Location	
Aug 2, 2021 - Aug 5, 2021	<a href="#">MVP</a> Edison	<a href="#">Enroll</a>
Aug 2, 2021 - Aug 5, 2021	McLean	<a href="#">Enroll</a>
Aug 2, 2021 - Aug 5, 2021	<a href="#">iMVP</a>	<a href="#">Enroll</a>

Sep 20, 2021 – Sep 23, 2021	San Francisco	<a href="#">Enroll</a>
Sep 20, 2021 – Sep 23, 2021	<a href="#">iMVP</a>	<a href="#">Enroll</a>
Nov 8, 2021 – Nov 11, 2021	<a href="#">iMVP</a>	<a href="#">Enroll</a>

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

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