



MIRANTIS

Mirantis - CN230: Kubernetes Native Application Development

Code:	CN230
Length:	2 days
URL:	View Online

Prerequisite Courses

Cloud Native - CN120: Kubernetes Application Essentials

[View Details](#)

Cloud Native - CN120: Kubernetes Application Essentials (On Demand)

[View Details](#)

In this course, developers will learn how to build containerized applications targeted for enterprise-grade production environments. You'll explore patterns in containerized application architecture, techniques for eliminating friction in the development process, how to test and debug containerized applications, and how to instrument applications with healthchecks, monitoring tools, and common container logging patterns. After mastering these techniques, we'll turn our attention to devops and building container-native continuous integration pipelines powered by Jenkins and Kubernetes.

Skills Gained

- Rapid code-build-test iteration cycles
- Developer-local Kubernetes environments
- IDE & debugger container integration
- Optimizing container startup
- Gracefully handling container failure
- Containerizing legacy applications
- Instrumenting containers with health checks
- Log management strategies
- Instrumenting containers with Prometheus monitoring
- Unit and integration tests for containerized applications
- Containerized continuous integration pipelines
- Image and config hierarchies in CI
- Build server management

- Unit and integration testing pipelines
- Integrating Jenkins with registries, Kubernetes clusters and standalone Docker engines
- Securing and packaging applications for production

Who Can Benefit

This course is targeted at students with the following:

- Motivations: Develop container-native applications, and implement fully containerized CI
- Roles: Developers, application architects, devops

Course Details

Lab Requirements

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

Schedule (as of 1)

Date	Location		
Dec 16, 2021 - Dec 17, 2021	iMVP	GTR	Enroll
Jan 27, 2022 - Jan 28, 2022	McLean		Enroll
Jan 27, 2022 - Jan 28, 2022	MVP Ottawa		Enroll
Jan 27, 2022 - Jan 28, 2022	MVP Toronto		Enroll
Jan 27, 2022 - Jan 28, 2022	MVP King of Prussia		Enroll
Jan 27, 2022 - Jan 28, 2022	MVP Edison		Enroll
Jan 27, 2022 - Jan 28, 2022	iMVP		Enroll
Mar 3, 2022 - Mar 4, 2022	MVP McLean		Enroll
Mar 3, 2022 - Mar 4, 2022	MVP Ottawa		Enroll
Mar 3, 2022 - Mar 4, 2022	MVP Toronto		Enroll
Mar 3, 2022 - Mar 4, 2022	MVP King of Prussia		Enroll
Mar 3, 2022 - Mar 4, 2022	Edison		Enroll
Mar 3, 2022 - Mar 4, 2022	iMVP		Enroll
Mar 31, 2022 - Apr 1, 2022	San Francisco		Enroll
Mar 31, 2022 - Apr 1, 2022	iMVP		Enroll
Apr 28, 2022 - Apr 29, 2022	MVP McLean		Enroll
Apr 28, 2022 - Apr 29, 2022	MVP Ottawa		Enroll
Apr 28, 2022 - Apr 29, 2022	MVP Toronto		Enroll
Apr 28, 2022 - Apr 29, 2022	King of Prussia		Enroll
Apr 28, 2022 - Apr 29, 2022	MVP Edison		Enroll
Apr 28, 2022 - Apr 29, 2022	iMVP		Enroll

May 19, 2022 – May 20, 2022	MVP McLean	Enroll
May 19, 2022 – May 20, 2022	MVP Ottawa	Enroll
May 19, 2022 – May 20, 2022	Toronto	Enroll
May 19, 2022 – May 20, 2022	MVP King of Prussia	Enroll
May 19, 2022 – May 20, 2022	MVP Edison	Enroll
May 19, 2022 – May 20, 2022	iMVP	Enroll
Jun 16, 2022 – Jun 17, 2022	San Francisco	Enroll
Jun 16, 2022 – Jun 17, 2022	iMVP	Enroll

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