

Mirantis Container Cloud

Duration: 1 Day Course Code: CN211

Overview:

In this rapid introduction to Mirantis Container Cloud, students will learn how to deploy Kubernetes clusters to AWS using MCC, as well as how to manage MCC user permissions, Stacklight-based monitoring and logging tools, and third-party monitoring integrations. Students will leave the workshop with a proof-of-concept MCC deployment bootstrapped on their own AWS account for future exploration and study.

Target Audience:

This course is targeted at students with the following:

- Motivations: Deploy and configure Mirantis Container Cloud on AWS
- Roles: System Operators & Administrators

Objectives:

- Mirantis Container Cloud Architecture
- - Management, regional, managed and attached cluster usage and architecture
- - Installation and setup of management and managed clusters
- MCC User Management
- - Using Keycloak to manage user permissions
- - Integrating LDAP with MCC
- - Managing permissions for multitenancy
- Cluster Logging & Monitoring
- - Stacklight configuration and cluster integration
- - Using Prometheus and Grafana dashboards
- - Customizing Stacklight configurations & third-party integrations
- - Exploring logs with Kibana

Prerequisites:

- CN120 course and prerequisites therein, or equivalent experience
- Experience with AWS cluster 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

Additional Information:

Lab Requirements

An AWS account with root access to all AWS features (important note: each student must have access to a separate AWS account – multiple IAM users or roles in the same account are not guaranteed to work)

Laptop with WiFi connectivity

Attendees 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 Head Office 01189 123456 / Northern Office 0113 242 5931

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