MCP Operations Bootcamp **MCPOps**

Two-day Introduction to MCP and using Infrastructure as Code to operate your cloud (OpenStack)

The Mirantis Cloud Platform Operations (MCPOps) course is a 2 day instructor-led training for cloud and system administrators, devops and software engineers, and IT team members responsible for operating with Mirantis Cloud Platform.

The course is broken up into two sections: **lectures** and **labs**.

The **lectures** provide a high level overview of MCP and its components. Students will learn about Model Driven Architecture, managing infrastructure code, and in-depth knowledge on operating MCP with its Stacklight, SaltStack, Reclass, and DriveTrain components.

The **labs** provide a hands-on experience with a pre-deployed all-in-one Mirantis Cloud Platform. Students will learn how to navigate various user interface components, perform updates using the CI/CD Pipeline and SaltStack, monitor the infrastructure using Grafana / Prometheus, and ends with a comprehensive practice to tie in all the skills you have acquired.

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**Course Details**

- **Duration:** 2 Days
- **Hours:** 9:00 a.m. - 5:00 p.m.

**Prerequisites**

- Strong experience using Linux command line
- Strong understanding of virtualization technologies (i.e. Hypervisors, virtual networks)
- OpenStack Bootcamp I (OS100) or similar relevant experience

**Target Audience**

- Intended for architects, cloud system administrators, devops, and software engineers responsible for operating production-ready Mirantis Cloud Platform. This course requires a strong proficiency in Linux command line and OpenStack I (OS100) or equivalent experience is recommended

**Lab Requirements**

- Laptop with WiFi connectivity
- Web browser supporting HTML5
- SSH client

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**Objectives**

As a result of attending this course, Students should be able to understand and practice the following:

- Mirantis Cloud Platform (MCP) Architecture
- In-depth knowledge of using Salt and Reclass in MCP
- Infrastructure as Code & Code-review process
- Operate CI/CD pipeline via DriveTrain
- Familiarity with utilizing Stacklight components