MIRANTIS CLOUD NATIVE PLATFORM BOOTCAMP (CN253)

Course Code: 821258

Rapidly adopt containerization and the Mirantis suite of enterprise orchestration management tools with a combination of the Docker Engine, Swarm, Mirantis Kubernetes Engine and Mirantis Secure Registry (GK 100813, GK 100815, GK 821229 and GK 821230.

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.

What You'll Learn

Modules:

- Introducing Docker
- Containerization Fundamentals
- Creating Images
- Docker Volumes
- Docker networking basics
- Setting up and configuring a Swarm
- Deploying workloads on Swarm
- Networking Swarm workloads Mirantis Kubernetes Engine architecture
- Access control in MKE
- L7 networking features
- MKE Support Dumps
- MKE Troubleshooting
- Provisioning dynamic configuration
- Provisioning persistent storage
- Application rollout and upgrade
- Advanced scheduling control

Who Needs to Attend

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

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PRIVATE GROUP TRAINING	4 Day

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