

Szkolenie: Mirantis CN100 Docker Containerization Essentials



Cel szkolenia:

In this course, you'll learn how to create and manage individual containers using the Docker Engine. We'll cover best practices in container image design and container deployment and auditing, as well as an introduction to single-node container networking and storage. This course is best practices focused, and is designed to enable rapid successful adoption of containerization from first principles.

Who Should Attend

This course is targeted at students with the following:

- Motivations: Begin creating high performance containers for new or existing applications
- Roles: General technical audiences & IT professionals

Plan szkolenia:

- Containerization motivations and implementation
 - Usecases
 - Comparison to virtual machines
- Creating, managing and auditing containers
 - Container implementation from the Linux kernel
 - Container lifecycle details
 - Core container creation, auditing and management CLI
- Best practices in container image design
 - Layered filesystem implementation and performance implications
 - Creating images with Dockerfiles
 - Optimising image builds with multi-stage builds and image design best practices
- Single-host container networking
 - Docker native networking model
 - Software defined networks for containers
 - Docker-native single-host service discovery and routing
- Provisioning external storage
 - Docker volume creation and management

- Best practices and usecases for container-external storage.

Wymagania:

- Familiarity with the bash shell
 - Filesystem navigation and manipulation
 - Command line text editors like vim or nano
 - Common tooling like curl, wget and ping

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by Mirantis.

Prowadzący:

Authorized Mirantis Trainer.