

## Docker Containerization Essentials

Durée: 1 Jour    Réf de cours: CN100    Méthodes d'apprentissage: Classe à distance

### Résumé:

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.

### Public visé:

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

### Objectifs pédagogiques:

- Containerization motivations and implementation
- Single-host container networking
- Creating, managing and auditing containers
- Provisioning external storage
- Best practices in container image design

### Pré-requis:

Familiarity with the bash shell

- Filesystem navigation and manipulation
- Command line text editors like vim or nano
- Common tooling like curl, wget and ping

### Après cette formation, nous vous conseillons le(s) module(s) suivant(s):

- CN110 - Docker Swarm Application Essentials
- CN120 - Kubernetes Application Essentials

### Contenu:

#### Modules

- Introducing Docker
- Containerization Fundamentals
- Creating Images
- Docker Volumes

#### Docker networking basics

#### Lab Requirements

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

### Autres moyens pédagogiques et de suivi: