Docker Containers

Cursusduur: 1 Dag **Cursuscode: DOCK** **Trainingsmethode: Virtual Learning**

Beschrijving:

Docker Containers Course Overview

English - Please note this course is only available in English.
Nederlands - Let op: deze training is alleen in het Engels beschikbaar.
Français - Veuillez noter que ce cours est uniquement disponible en anglais.
This Docker Containers course introduces the delegate to the main concepts of Docker and its containers,images and orchestration. Subjects include Docker components,container architecture,image repositories,containers as daemons,logs and events,limiting resources,creating Dockerfiles,Docker Compose and Docker Swarm.
The delegate will learn the key Linux commands to create and manage containers as well as software installation,downloading containers,building images,committing changes,exporting containers,building custom containers and orchestrating containers with Docker Compose and Swarm.
Practical real-life examples of containerization are used throughout on Alpine Linux,CentOS,Fedora,and Ubuntu,to build,configure and run popular applications such as Apache,Nginx and WordPress.
Exercises and examples are used throughout the course to give practical hands-on experience with the techniques covered.

Virtueel en Klassikaal™

Virtueel en Klassikaal™ is een eenvoudig leerconcept en biedt een flexibele oplossing voor het volgen van een klassikale training. Met Virtueel en Klassikaal™ kunt u zelf beslissen of u een klassikale training virtueel (vanuit huis of kantoor)of fysiek op locatie wilt volgen. De keuze is aan u! Cursisten die virtueel deelnemen aan de training ontvangen voor aanvang van de training alle benodigde informatie om de training te kunnen volgen.

Doelgroep:

Who will the Course Benefit?

Doelstelling:

- Course Objectives
- To provide the skills necessary for the delegate to install,configure and manage Docker Containers and container applications.

Vereiste kennis en vaardigheden:

- Knowledge and understanding of the Linux command line to the level covered on either our Linux Introduction or Red Hat 9 System Administration - Part 1 course.

Vervolgcursussen:

Further Learning

- Linux System Administration (LPI)
- Red Hat 9 System Administration - Part 2

Cursusinhoud:

Docker Containers Training Course Course Contents - DAY 1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: DOCKER FUNDAMENTALS

- Docker Architecture and Components
- Popular Docker Applications
- Installing and Verifying Docker
- Managing Images and Containers
- Docker as a Daemon
- WordPress on Docker
- Executing Within Containers
- Viewing Containers and Logs
- Importing and Exporting Images
- Exercise

Session 2: FURTHER DOCKER CONFIGURATION

- Limiting Container Resources
- Docker Tags,Digests and Labels
- Storage and Volumes
- Networking Containers
- Docker Ports
- Exercise

Session 3: DOCKERFILE AND DOCKER COMPOSE

- Building Dockerfiles
- Dockerfile Directives
- Installing Apache on Alpine Linux
- Managing Containers with Docker Compose
- YAML Language Basics
- Creating Docker Compose files
- Exercise

Session 4: DOCKER SWARM

- Managing Docker Swarm
- Swarm Managers and Workers
- Managing and Updating Swarm Services
- Managing Swarm Nodes
- Docker Stack
- Exercise

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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