Red Hat OpenShift Admin III: Scaling Deployments in the Enterprise («DO380»)

Learn to plan, implement, and manage OpenShift® clusters in the enterprise.

Duration: 4 days
Price: 3'700.–
Vendor code: DO380

Content

Red Hat OpenShift Administration II teaches you how to build robust clusters that provide high availability and the ability to run large numbers of applications. You will learn about OpenShift integration with datacenter infrastructure such as load balancers, identity management, monitoring, proxies, and storage. In this course you will also develop greater troubleshooting and day 2 operation skills.

- **Design a highly available cluster**
    - Design an OpenShift cluster that supports high availability and resiliency
- **Prepare to install an HA cluster**
    - Configure the advanced installer and prepare the cluster environment for HA installation
- **Configure OpenShift to use custom certificates**
    - Configure the OpenShift cluster to use custom certificates
- **Build an HA cluster**
    - Use the advanced installation method to build an HA OpenShift cluster
- **Provision persistent storage**
    - Describe storage providers, configure a provider, create a storage class, and test the configuration
- **Enable log aggregation**
    - Consolidate useful data for analysis by enabling the log aggregation feature
- **Maintain an OpenShift cluster**
    - Perform recurring maintenance activities on an OpenShift cluster
- **Manage system resources**
    - Manage operating system and cluster resources for optimal performance
- **Configure security providers**
    - Configure security providers and advanced security options
- **Configure networking options**
    - Configure various advanced networking features and options

Key Learnings

- Designing and installing a highly available cluster
- Providing persistent storage using dynamic allocation
- Installing the GlusterFS Container Native Storage solution on an OpenShift cluster
- Enabling log aggregation across the cluster
- Performing diagnostics on the cluster
- Back up and restore critical data for the cluster
- Managing OpenShift and operating system resources to keep the cluster running efficiently
- Configuring the LDAP security provider
- Describing and installing the Open vSwitch multitenant software-defined networking provider

Target audience

This course is designed for Linux® system administrators who want to deploy and manage a large-scale Red Hat® OpenShift Container Platform environment in their datacenters.

Requirements

Red Hat Certified System Administrator or demonstrate equivalent experience and attendance of the following two courses or equivalent experience with Containers, Kubernetes and OpenShift. Recommended but not required: Red Hat Certified Specialist in OpenShift Administration (EX280).

- Red Hat OpenShift Installation Lab («DO322»)
- Red Hat OpenShift Admin I: Operating a Production Cluster («DO180»)
- Red Hat OpenShift Administration II: Configuring a Production Cluster («DO280»)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-it-provider/red-hat/red-hat-open-shift/course-red-hat-openshift-admin-iii-scaling-deployments-in-the-enterprise-do380