Red Hat OpenShift Administration II: Configuring a Production Cluster (DO280)

ID DO280 **Price** CHF 3,740.—(excl. VAT) **Duration** 4 days

Who should attend

- Platform Administrators, System Administrators, Cloud Administrators, and other infrastructure-related IT roles who are responsible for managing and maintaining infrastructure for applications
- Enterprise Architects, Site Reliability Engineers, DevOps Engineers, and other application-related IT roles who are responsible for designing infrastructure for applications

This course is part of the following Certifications

Red Hat Certified Specialist in OpenShift Data Foundation (RHCS-OSDF)
Red Hat Certified Specialist in MultiCluster Management (RHCS-MCM)
Red Hat Certified Specialist in OpenShift Automation and Integration (RHCS-OSAI)
Red Hat Certified Specialist in OpenShift Data Virtualization (RHSC-OSDV)
Red Hat Certified System Administrator in OpenShift (RHCS-PAAS)

Prerequisites

- Take our free assessment to gauge whether this offering is the best fit for your skills.
- Prerequisite: Red Hat OpenShift Administration I: Operating a Production Cluster (DO180), or equivalent skills deploying and managing Kubernetes applications using the OpenShift web console and command-line interfaces.
- Significant experience with Linux System Administration is not needed for this course. Basic skills operating a Bash shell, manipulating files and processes, and verifying system confirmations such as network addresses are necessary and sufficient. Students are encouraged to take Getting Started with Linux Fundamentals (RH104) before enrolling in DO280

Course Objectives

Impact on the organization

This course is intended to develop the skills needed to manage Red Hat OpenShift clusters and support containerized applications that are highly available, resilient, and scalable. Red Hat OpenShift is an enterprise-hardened application platform based on Kubernetes that provides a common set of APIs and abstractions that enable application portability across cloud providers and traditional data centers. Red Hat OpenShift adds consistency and portability of operational processes across these environments and can also be deployed as a managed service. A Red Hat SRE team shares the responsibility of managing Red Hat OpenShift clusters with a customer's IT operations team when using a managed OpenShift offering such as Red Hat OpenShift on AWS (ROSA) or Azure Red Hat OpenShift (ARO).

Impact on the individual

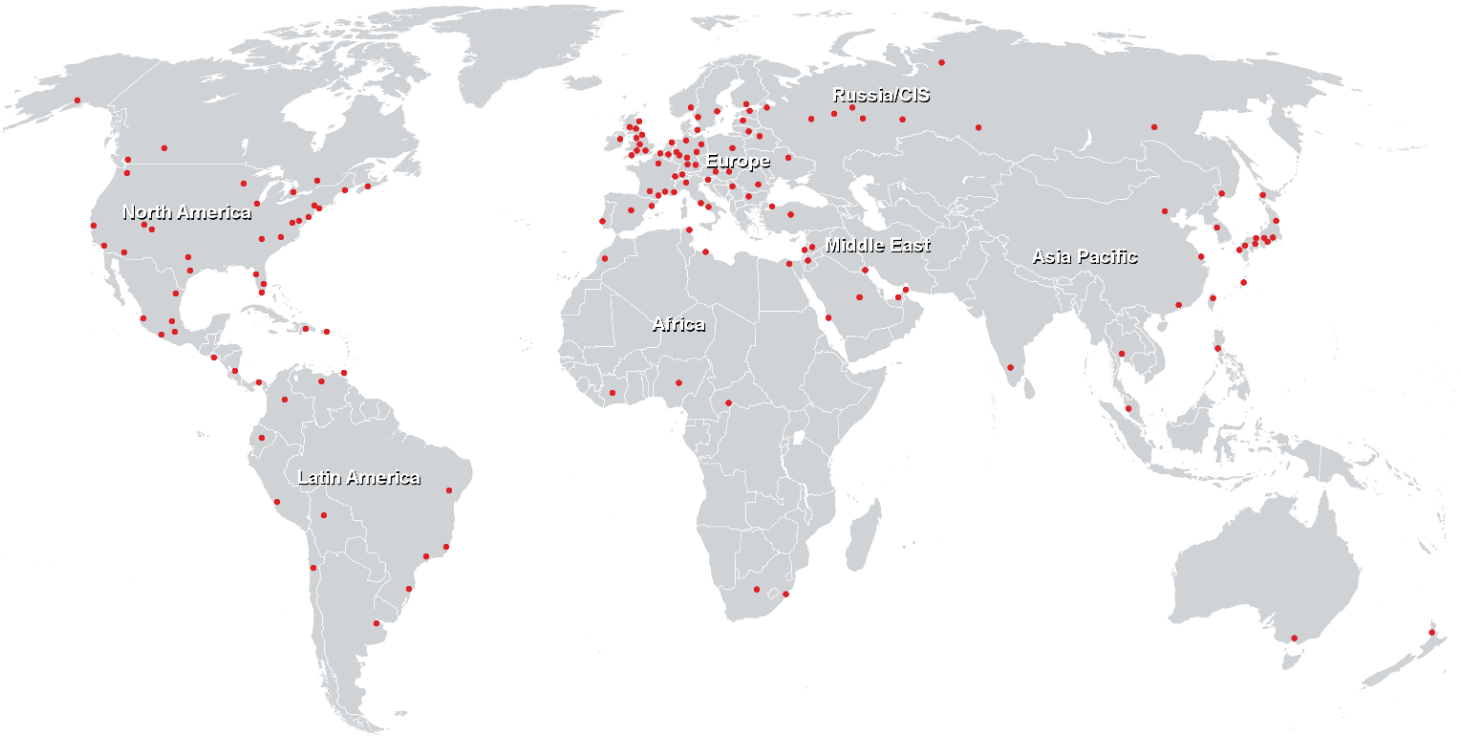
As a result of attending this course, students will be able to perform the set of tasks that OpenShift cluster administrators are expected to perform in their daily jobs for on-premises, cloud-based, and vendor-managed clusters, including enabling add-on operators. Students will also be able manage multi-tenant permissions for different roles and configure applications that require privileged access to cluster and host resources.

Course Content

- Deploying packaged applications using manifests, templates, kustomize, and helm.
- Configuring authentication and authorization for users and applications.
- Protecting network traffic with network policies and exposing applications with proper network access.
- Deploying and managing applications using resources manifests.
- Enabling developer self-service of application projects.
- Managing OpenShift cluster updates and Kubernetes operator updates.

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Training Centres worldwide





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