

DO381

Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise with Exam

Description

Plan, implement, and manage OpenShift clusters at scale

Red Hat OpenShift Administration III and exam (DO381) expands upon the skills required to plan, implement, and manage OpenShift® clusters in the enterprise. You will learn how to configure and manage OpenShift clusters at scale to address increasing and special demands from applications and ensure reliability, performance, and availability.

This offering is based on Red Hat® OpenShift Container Platform 4.14. The [Red Hat Certified Specialist in Scaling OpenShift Deployments exam \(EX380\)](#) is included

Prerequisites for this offering

- Complete [Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster \(DO280\)](#) and become a [Red Hat Certified Specialist in OpenShift Administration](#).
- Complete [Red Hat System Administration II \(RH134\)](#) and become a [Red Hat Certified System Administrator](#).
- Recommended, but not required: become a [Red Hat Certified Systems Engineer](#) or a [Red Hat Certified Specialist in Ansible Automation](#). Basic knowledge about writing and running Ansible playbooks is desired.

Outline for this offering

Authentication and Identity Management

Configure OpenShift clusters to authenticate by using LDAP and OIDC enterprise identity systems and to recognize groups that those systems define.

Backup, Restore, and Migration of Applications with OADP

Backup and restore application settings and data with OpenShift APIs for Data Protection (OADP).

Cluster Partitioning

Configure a subset of cluster nodes to be dedicated to a type of workload.

Pod Scheduling

Configure workloads to run on a dedicated set of cluster nodes and prevent other workloads from using those cluster nodes.

OpenShift GitOps

Deploy OpenShift GitOps for managing clusters and applications.

OpenShift Monitoring

Troubleshoot performance and availability issues with applications and clusters.

OpenShift Logging

Deploy OpenShift logging and query log entries from workloads and cluster nodes.