OpenShift Administration
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Course summary
- Describe the Red Hat OpenShift Container Platform cluster installation and update processes
- Troubleshoot application deployments
- Configure authentication using local users
- Control access to projects using role-based access control (RBAC)
- Configure service and container networking
- Configure pod scheduling using labels and selectors
- Limit compute resource usage
- Scale a cluster
- Monitor cluster events and alerts

Audience for this course
This course is designed for system administrators, system architects, and developers who want to install and configure Red Hat OpenShift Container Platform.
- System and Software Architects interested in understanding features and functionality of an OpenShift cluster.
- System Administrators interested in the initial establishment of a cluster.
- Cluster Operators interested in the ongoing maintenance of a cluster.
- Site Reliability Engineers interested in the ongoing maintenance and troubleshooting of a cluster.

Day 1

Describe the Red Hat OpenShift Container Platform
Learn the components of Red Hat OpenShift Container Platform and how they interact.
Verify a Cluster
Verify a cluster is installed and healthy.
Configure Authentication
Configure authentication with an identity provider.
Control Access to OpenShift Resources

Day 2

Define and apply role-based access controls and protect sensitive information with secrets.
Configure OpenShift Networking Components
Identify the components of OpenShift software-defined networking and configure some of the components.
Control Pod Scheduling
Control which nodes a pod runs on.
Scale an OpenShift Cluster

Day 3

Control the size of an OpenShift cluster.
Perform Cluster Updates
Describe how to perform a cluster update.
Manage the Cluster with the Web Console
Manage the OpenShift cluster using the web console.
Comprehensive Review
Verify, manage, and troubleshoot an OpenShift cluster for enterprise use.

Day 5

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.
Build an HA cluster
Use the advanced installation method to build an HA OpenShift cluster.

Day 5

Provision persistent storage
Describe storage providers, configure a provider, create a storage class, and test the configuration.
Configure security providers
Configure security providers and advanced security options.
Configure networking options
Configure various advanced networking features and options.