Red Hat Certified OpenShift Administrator exam EX280

Skill Level   Advanced
Duration   10hr
Labs   5

CHAPTER 1

Getting Started

- Course Introduction
- About the Training Architect

CHAPTER 3

Installation

- Getting Started with OpenShift on CodeReady Containers
- Prerequisites
- Installation and Upgrade
- Accessing OpenShift

CHAPTER 4

Manage OpenShift Container Platform

- Understand and Use the Command Line and Web Console
- Create and Delete Projects
- Import, Export, and Configure Kubernetes Resources
- Examine Resources and Cluster Status
- View Logs
- Monitor Cluster Events and Alerts

CHAPTER 5

Manage Users and Policies

- Configure the HTPasswd Identity Provider for Authentication

- Create and Delete Users
- Modify User Passwords
- Modify User and Group Permissions
- Create and Manage Groups

CHAPTER 6

Control Access to Resources

- Define Role-Based Access Controls
- Apply Permissions to Users
- Create and Apply Secrets to Manage Sensitive Information
- Create Service Accounts and Apply Permissions Using Security Context Constraints

CHAPTER 7

Configure Networking Components

- Troubleshoot Software Defined Networking
- Create and Edit External Routes
- Control Cluster Network Ingress
- Create a Self Signed Certificate
- Secure Routes Using TLS Certificates

CHAPTER 8

Configure Pod Scheduling

- Limit Resource Usage
- Scale Applications to Meet Increased Demand
- Control Pod Placement Across Cluster Nodes

CHAPTER 9

Configure Cluster Scaling

- Manually Control the Number of Cluster Workers
- Automatically Scale the Number of Cluster Workers

CHAPTER 10

Exam

- How to Prepare for the Exam

HANDS-ON LAB

EX280 Practice Exam