# 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