



OPENSIFT

KEYHOLE COURSE

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KEYHOLE SOFTWARE COURSE DESCRIPTION

In this hands-on course, students are introduced to features and capabilities of OpenShift.

PREREQUISITE

Intermediate-to-advanced JavaScript programming experience.

COURSE STRUCTURE

This is a five-module course which can be given in-person or online. Each module is around one hour in duration followed by individual hands-on exercises to strengthen understanding.

Modules will be split up and elongated as necessary, depending on students' comprehension of the material.

COURSE TOPICS

INTRODUCTION

- What is OpenShift?
- Docker Fundamentals
- Kubernetes Concepts
- Why Kubernetes?
- OpenShift Platform
- Hands-on Exercises

POD DEPLOYMENT

- OpenShift Cluster Management Console
- Deployments
- PODS
- Services, Routes
- OC Console
- Hands-on Exercises

BUILDING

- Building Containers
- Building and Deployment
- Image Streams
- Pipelines
- Hands-on Exercises

SCALING

- Scaling PODS
- Rolling Updates
- Using Console
- POD Controller Services
- Hands-on Exercises

MONITORING

EXPERT Q&A

OpenShift is a leading option in this space, but it is not the only option. We at Keyhole strive to be technology agnostic, choosing the best tool for any given situation. Our experts have used OpenShift and other leading tools, and can provide an excellent sounding board for the pros and cons of varying stacks. Expert Q&A is provided with this course.

