Red Hat OpenShift

OpenShift 4.x Architecture Workshop

Welcome and Intro

We start 9:00 CET (08:00 GMT UK Time)

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About me ..

Alfred Bach
Principal Solution Architect
EMEA Partner Team

Living in Austria near Vienna

More than 7 years with Red Hat
Coming from CA and SUSE/NOVELL

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OpenShift Partner Education Plan

Infrastructure / Architecture

INITIAL

OpenShift Architecture Workshop

or **OpenShift Infra Arch DLP**

or GLS/PTP DO280

ADVANCED

Hybrid Cloud Architecture Workshop (2-day HC Workshop)

or OCP PLUS Week

or GLS/PTP DO380*

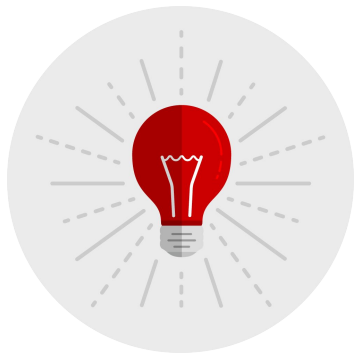*(not the complete content covered in DO380)

EXPERT (each one Day)

ACM Workshop

Storage Foundation Workshop

Security Workshop (focus on ACS)

Hybrid Cloud NetWorking WS (Service Mesh, Cillium, Scupper ....)

Agenda Day 1

9:00	Welcome and Intro
9:30	OpenShift Architecture P1
12:30	Break
13:30	OpenShift Architecture P2
14:30	Workload on OpenShift
15:00	Break
15:15	Microshift / HyperShift
16:16	Self learning OCP DO280

You can find the content here:
https://github.com/RHEPDS/OCP_Infra_Architecture

Link to self learning:
DO180
https://training-lms.redhat.com/sso/saml/auth/rhopen?RelayState=deeplinkoffering%3D45314150
DO280
https://training-lms.redhat.com/sso/saml/auth/rhopen?RelayState=deeplinkoffering%3D45314151

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Introduction into the Learning environment 1/2

Introduction into the Learning environment 2/2

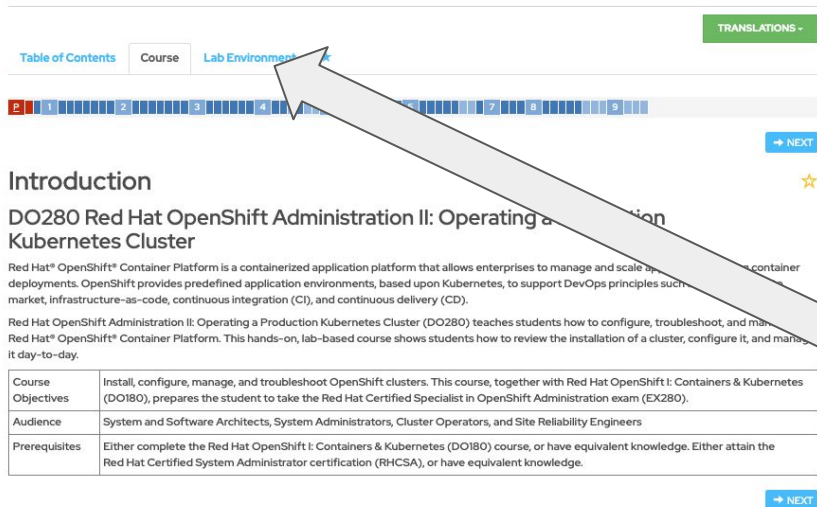## Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster

Table of Contents Course Lab Environment ★

TRANSLATIONS ▾

P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

→ NEXT

Introduction

DO280 Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster ☆

Red Hat® OpenShift® Container Platform is a containerized application platform that allows enterprises to manage and scale ap... a container deployments. OpenShift provides predefined application environments, based upon Kubernetes, to support DevOps principles such... market, infrastructure-as-code, continuous integration (CI), and continuous delivery (CD).

Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) teaches students how to configure, troubleshoot, and ma... Red Hat® OpenShift® Container Platform. This hands-on, lab-based course shows students how to review the installation of a cluster, configure it, and mana... it day-to-day.

Course Objectives	Install, configure, manage, and troubleshoot OpenShift clusters. This course, together with Red Hat OpenShift I: Containers & Kubernetes (DO180), prepares the student to take the Red Hat Certified Specialist in OpenShift Administration exam (EX280).
Audience	System and Software Architects, System Administrators, Cluster Operators, and Site Reliability Engineers
Prerequisites	Either complete the Red Hat OpenShift I: Containers & Kubernetes (DO180) course, or have equivalent knowledge. Either attain the Red Hat Certified System Administrator certification (RHCSA), or have equivalent knowledge.

→ NEXT

The Classroom Environment

Every student gets a complete remote classroom environment. As part of that environment, every student gets a dedicated OpenS... ster to perform administration tasks.

The classroom environment runs entirely as virtual machines in a large Red Hat OpenStack Platform cluster that is shared among m... dents.

Red Hat Training maintains many OpenStack clusters, in different data centers across the globe, to provide lower latency to studen... many countries.

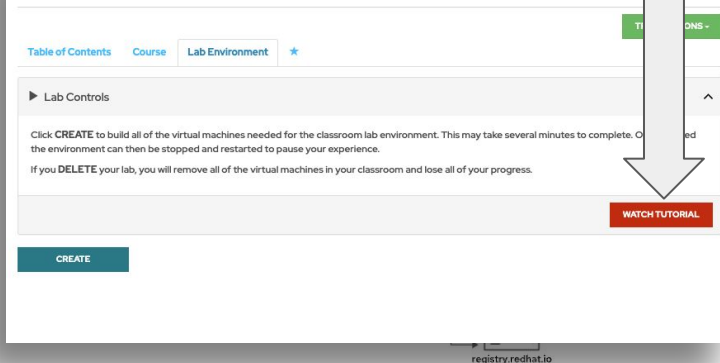## Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster

Table of Contents Course Lab Environment ★

TRANSLATIONS ▾

▶ Lab Controls ⌃

Click **CREATE** to build all of the virtual machines needed for the classroom lab environment. This may take several minutes to complete. O... ed the environment can then be stopped and restarted to pause your experience.
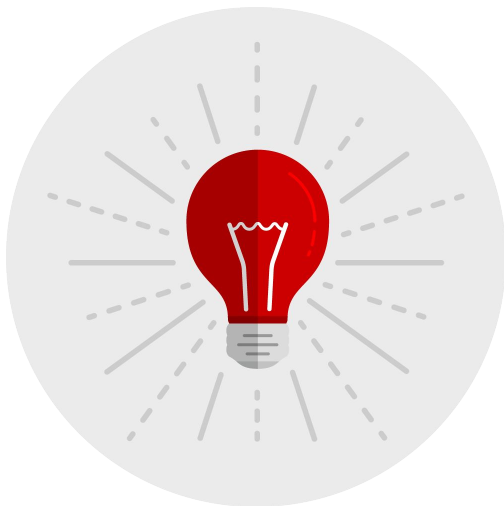
If you **DELETE** your lab, you will remove all of the virtual machines in your classroom and lose all of your progress.

WATCH TUTORIAL

CREATE

registry.redhat.io

Agenda Day 2

9:00	Introduction Day 2
9:10	OpenShift Install
10:30	Day two Operations / User management, Scaling, Update, …
11:00	Break
11:15	Backup and Disaster Recovery
12:00	Break
13:00	OpenShift Virtualisation
14:00	OpenShift Security
15:00	Operator Framework and HELM
16:00	**Cont Self Learning and Assessment**

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