



# Red Hat

## OpenShift

### OpenShift 4.x Architecture

### Distance Learning

Welcome and Intro

We start 17:00 CET (16:00 GMT UK Time)

Alfred Bach  
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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)

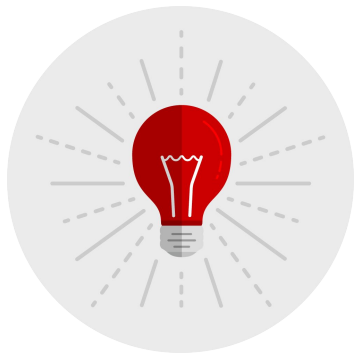
[ACM Workshop](#)

[Storage Foundation Workshop](#)

[Security Workshop \(focus on ACS\)](#)

[Hybrid Cloud NetWorking WS](#)  
(Service Mesh, Cilium, Scupper ....)

# Agenda Day 1&2



## Day 1

16:00 - 16:15

Welcome

16:15 - 17:00

OCF Architecture Part 1 (Container technologies)

17:05 - 18:00

OCF Architecture Part 2 (Infra and Networking)

Homework

DO180

## Day 2

16:00 - 16:05

Welcome

16:05 - 17:00

OCF Architecture Part 3 (Storage and Observability)

17:05 - 18:00

OCF Installation

Homework

DO180 puls assessment

You can find the content here:

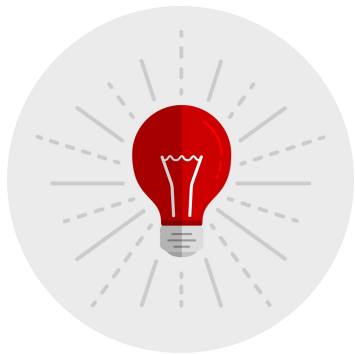
[https://github.com/RHEPDS/OCF\\_DLP](https://github.com/RHEPDS/OCF_DLP)

**Link to self learning:**

DO180

<https://training-lms.redhat.com/sso/saml/auth/rhopen?RelayState=deeplinkoffering%3D45314150>

# Agenda Day 3



## Day 3

16:00 - 16:05	Welcome
16:05 - 16:30	Day 2 Operations
16:30 - 17:00	OpenShift Virtualisation
17:05 - 17:30	Backup and DR
17:30 - 18:00	Device Edge and HyperShift
Homework	DO280

You can find the content here:

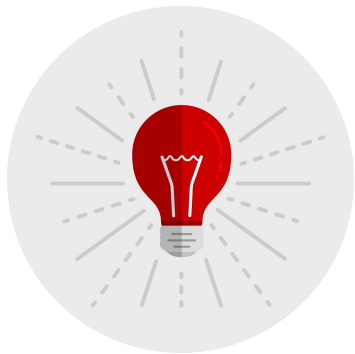
[https://github.com/RHEPDS/OCP\\_DLP](https://github.com/RHEPDS/OCP_DLP)

**Link to self learning:**

DO280

<https://training-lms.redhat.com/sso/saml/auth/rhopen?RelayState=deeplinkoffering%3D45314151>

# Agenda Day 4 & 5



## Day 4

16:00 - 16:05

Welcome

16:05 - 17:30

OpenShift Security (including 5 min break)

17:30 - 18:00

OpenShift Advanced Cluster Security

Homework

DO280

## Day 5

16:00 - 16:05

Welcome

16:05 - 17:00

Bringing Apps to OpenShift

17:05 - 18:00

Advanced Cluster Management Overview

Homework

DO280 plus assessment

You can find the content here:


[https://github.com/RHEPDS/OC\\_P\\_DLP](https://github.com/RHEPDS/OC_P_DLP)





**Link to self learning:**


DO280

<https://training-lms.redhat.com/sso/saml/auth/rhopen?RelayState=deeplinkoffering%3D45314151>


# Introduction into the Learning environment 1/2

 **Red Hat**  
Partner Training Portal

← Partner Home  1   Alfred Bach  
Learner 

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 Course 24 hours

## Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) v4.10

Configure, manage, and troubleshoot OpenShift clusters and containerized applications.


0 / 2 Completed

 Status **Not Attempted**


 Subscription

Nov-07-22 06:16 CET - Feb-04-23 06:16 CET


[Launch](#) [Unenroll](#) [To Do](#) ...

 **Complete this course by**

This course can be completed by one of the following:


 [DO280 v4.10 Assessment](#)

Details Course Structure **To-do** History

 **Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) v4.10 Survey** Launch

Type: Post-Work Online

Date Available: On Completion Status: Not Attempted



[Share](#)

Course • 24 hours

Identifier **45314052**

Language **Deutsch (German), English (en), Español (Spanish), Français (French), Português (Portuguese), 日本語 (Japanese), 한국어 (Korean)**

**Reference Materials**

[Red Hat Training Course FAQs](#)

**Categories**

Product  
Red Hat OpenShift

Role  
Delivery

# Introduction into the Learning environment 2/2

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

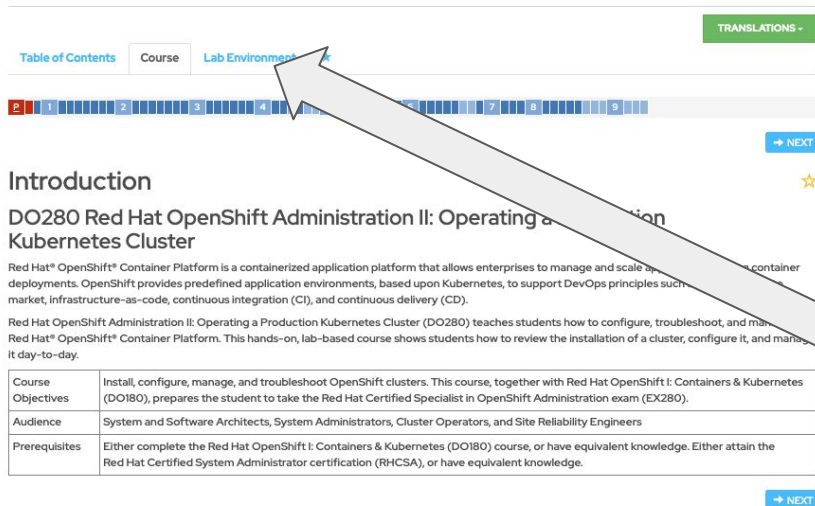


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### Introduction

#### 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 applications and deployments. OpenShift provides predefined application environments, based upon Kubernetes, to support DevOps principles such as 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 manage Red Hat® OpenShift® Container Platform. This hands-on, lab-based course shows students how to review the installation of a cluster, configure it, and manage 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 OpenShift environment to perform administration tasks.

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

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

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

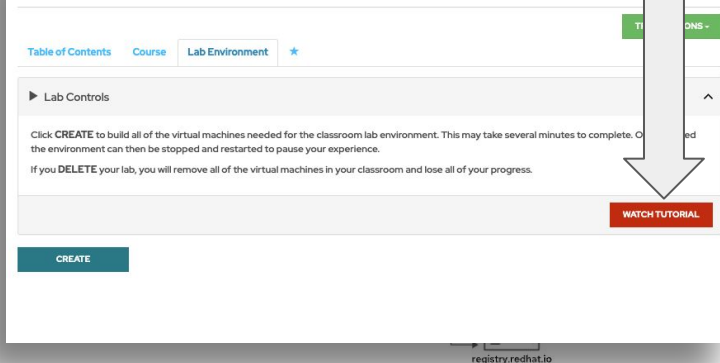


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▶ Lab Controls

Click **CREATE** to build all of the virtual machines needed for the classroom lab environment. This may take several minutes to complete. Once 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



# Thank you

Red Hat is the world's leading provider of  
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