




# OpenShift Self-learning and Homework



# https://developers.redhat.com/learn

## Learn

No matter where you are in your software development career, from just starting, to re-training, to expert-level but needing a brush-up, the Red Hat Developer program can help with tutorials and learning.




### OpenShift and Kubernetes training


Follow along our curated learning paths in cutting edge skills and workloads involving [OpenShift](#) and [Kubernetes](#).

Want to freely explore the OpenShift Developer Console? Try [OpenShift in our Developer Sandbox](#).

[View all OpenShift learning paths](#)



### Deploy a Spring application on OpenShift



### Develop with GitOps

## Learning changes

We have started using a new learning platform called Instruqt. Some Katacoda lessons and courses have been unpublished as a result of this update; others have migrated to Instruqt. Please note that this is still a work in progress, and we appreciate your patience.

Interactive Learning Scenarios provide you with a pre-configured OpenShift instance, accessible from your browser without any downloads or configuration.

## All interactive lessons

Below you will find our full library of individual interactive 'lessons'. We also have several interactive 'courses', which are comprised of multiple related lessons. [Browse all tutorial courses](#).

Filter by topic

OpenShift [Apply](#) [Reset](#)

> Lesson

### OpenShift 4.9 Playground

45 minutes | Beginner

Use the web console or the command-line interface in this exercise to explore OpenShift 4.9, then build and control a cluster.

[Start →](#)

> Lesson

### Spring Data with JPA/Hibernate

10 minutes | Beginner

Use this scenario to learn more about developing Spring Boot applications using the Red Hat Runtimes platform.

[Start →](#)

> Lesson

### Operator SDK with Helm, Memcached

30 minutes | Intermediate

Use this tutorial to create a Memcached Operator from an existing Memcached Helm Chart.

[Start →](#)

> Lesson

### Getting Started with Helm 3 on OpenShift

30 minutes | Intermediate

Learn how to use the Helm package manager. It can help you manage and deploy applications on OpenShift.

[Start →](#)

> Lesson

### Getting Started with

> Lesson

### Working with Kustomize

> Lesson

### Getting Started with ArgoCD

> Lesson

### Getting Started with

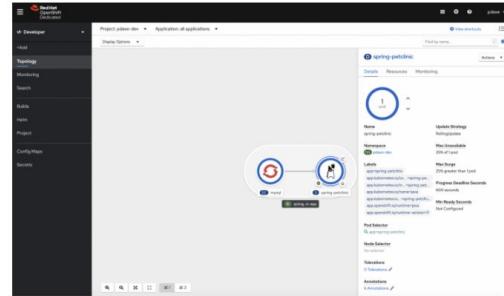
# https://developers.redhat.com/developer-sandbox

The screenshot shows the Red Hat Developer website. At the top is the Red Hat logo and 'Developer' text. A navigation bar includes links for Build, Tools, Events, Training, Partners, Products, and a search icon. Below this is a secondary navigation bar with links for Istio, Quarkus, Kubernetes, CI/CD, Serverless, Java, Linux, Microservices, DevOps, and 'All topics'. The main content area has a dark background with the heading 'Welcome to the Developer Sandbox for Red Hat OpenShift' and a 'Beta' badge. A prominent orange button says 'Launch your Developer Sandbox for Red Hat OpenShift'. Below this, text states: 'Get free access to the Developer Sandbox for Red Hat OpenShift and deploy your application code as a container on this self-service, cloud-hosted experience. Skip installations and deployment and jump directly into OpenShift.' A light blue section follows with the title 'DevNation Tech Talks: OpenShift Developer Sandbox: Kicking the tires' and text about a February 18th event. At the bottom is a blue bar with links: 'Use with OpenShift', 'Use with CodeReady Workspaces', and 'FAQ'.

## Start your OpenShift experience in four simple steps

If you're exploring how to run your code in containers, our Developer Sandbox makes it simple. Not only can you easily deploy your application from a Git repo, you can also set up a cloud IDE for your entire team. Follow these four steps to quickly get started:

- 1 Provision your free Red Hat OpenShift development cluster
- 2 Deploy a sample application or bring your own repo
- 3 Edit code from the integrated Eclipse Che-based cloud IDE
- 4 Fully explore the Red Hat OpenShift developer experience



Homework: **connect.redhat.com**

The image displays two overlapping screenshots of Red Hat's partner portals. The top screenshot shows the 'Red Hat Partner Connect' interface with a navigation bar containing 'Why partner', 'Programs', 'Partner training', and 'Resources & support'. A yellow arrow points to the 'Partner training' link. The bottom screenshot shows the 'Red Hat Partner Training Portal' with a navigation bar including 'Home', 'Catalog', 'My Learning', and 'Reporting'. A red circle highlights the user profile 'Alfred Bach, Learner' in the top right corner. The main content area of the bottom screenshot features a banner for 'Red Hat Training courses now available' with a 'View Available Courses' button. To the right, there is an 'Announcements' section with two items: 'New Accreditation Path: Re...' and 'New Red Hat Training Cours...', both dated '02-Mar'. At the bottom of the page, there are three icons and their corresponding descriptions: 'Join an active, growing ecosystem of partners and', 'Modernize offerings with cloud-ready technology built', and 'Expand your organization's skills with Red Hat's'.

Red Hat Partner Connect

Why partner Programs Partner training Resources & support

Search Log in All Red Hat

Open your partners

Together, we can deliver hybrid cloud solutions, freedom, and support customers need.

Let's get started

Red Hat Partner Training Portal

Partner Home

Home Catalog My Learning Reporting

Red Hat Training courses now available

View Available Courses

Red Hat Partner Connect

Announcements 2

New Accreditation Path: Re... 02-Mar

New Red Hat Training Cours... 02-Mar

Explore the programs

Join an active, growing ecosystem of partners and

Modernize offerings with cloud-ready technology built

Expand your organization's skills with Red Hat's

# Homework cont.

Find the OpenShift Delivery Specialist Container Platform Deployment Learning Path

The screenshot displays the Red Hat Partner Training Portal interface. The top navigation bar includes the Red Hat logo, 'Red Hat Partner Training Portal', and user information for 'Alfred Bach, Learner'. Below this is a secondary navigation bar with 'Home', 'Catalog' (selected), 'My Learning', and 'Reporting'.

The main content area features a search bar with the query 'Red Hat OpenShift Product Enablement'. Below the search bar, there are filters for 'Delivery Method' and 'Language'. The 'Delivery Method' filter is expanded, showing 'Accreditation Path' (5) selected, along with 'Channel (0)', 'Course (32)', 'Elective Path (0)', 'Podcast (0)', 'Video (0)', and 'Webinar (0)'. The 'Language' filter is also expanded, showing 'Delivery (5)', 'Sales (5)', and 'Sales Engineer (3)'. The 'Role' filter is expanded, showing 'Delivery (5)', 'Sales (5)', and 'Sales Engineer (3)'. The 'Product' and 'Solution' filters are also expanded, showing 'Route to Market'.

The search results section shows 5 results for 'Red Hat OpenShift Product Enablement'. The results are displayed as cards, each with a gear icon and the text 'Accreditation Path'. The cards are titled: 'Red Hat Delivery Specialist - OpenShift Container Platform Support II', 'Red Hat Delivery Specialist - OpenShift Container Platform Support', 'Red Hat Delivery Specialist - Container Platform (ISV) - Retiring April 8th, 2022', and 'Red Hat Delivery Specialist - Container Platform Application Deployment'. Each card has an 'Enrol' button. A fifth card, titled 'Red Hat Delivery Specialist - Container Platform Deployment', is partially visible and has a 'Completed' badge and an 'Enrol' button.

# HomeWork cont.

## Enroll to the learning path

**Future Requirements**

IMPORTANT: The requirements for this accreditation path will be changing on April 8th, 2022. After this time, all in-progress users will be required to complete courses, in addition to the other accreditation requirements in this path.

**Red Hat OpenShift I: Containers & Kubernetes (DO180)**

24 hours

COURSE

Introduction to building and managing containers for deployment on a Kubernetes and OpenShift 4 cluster.

**Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO180)**

24 hours

COURSE

Completed Feb-28-22

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

**ELABs**

**Red Hat OpenShift 4 Foundations**

12 hours

COURSE

Completed Feb-28-22

Red Hat OpenShift 4 Foundations introduces students to Red Hat OpenShift Container Platform, including the product's benefits, use cases, and competitive positioning. Topics covered include the technical architecture, the OpenShift web console, Operators, continuous integration/continuous delivery (CI/CD), Red Hat OpenShift Serverless technology, and pipelines using Red Hat OpenShift Container Platform 4. Students perform labs on a live, shared, cloud-based OpenShift cluster. After completing the course, students will understand and be able to demonstrate different aspects of Red Hat OpenShift Container Platform functionality and the user experience.

**Red Hat OpenShift Container Platform 4 Resources and Tools**

8 hours

COURSE

Completed Feb-28-22

Red Hat OpenShift 4 Resources and Tools covers Red Hat OpenShift Container Platform 4 commands and resources. The course shows how to use Red Hat OpenShift Container Platform using command line tools and YAML manifests. It provides solid foundational knowledge of OpenShift for developers.

**Red Hat OpenShift Container Platform 4 Installation**

8 hours

COURSE

Completed Feb-28-22

Red Hat OpenShift 4 Installation covers the steps to install Red Hat OpenShift Container Platform 4 on a live, shared, cloud-based OpenShift cluster. After completing the course, students will understand and be able to demonstrate different aspects of Red Hat OpenShift Container Platform functionality and the user experience.

**Red Hat OpenShift 4 Foundations**

Online 12 hours

To Do

Don't forget the survey!

Red Hat OpenShift 4 Foundations introduces students to Red Hat OpenShift Container Platform, including the product's benefits, use cases, and competitive positioning. Topics covered include the technical architecture, the OpenShift web console, Operators, continuous integration/continuous delivery (CI/CD), Red Hat OpenShift Serverless technology, and pipelines using Red Hat OpenShift Container Platform 4. Students perform labs on a live, shared, cloud-based OpenShift cluster. After completing the course, students will understand and be able to demonstrate different aspects of Red Hat OpenShift Container Platform functionality and the user experience.

Details

**To-do**

History

**Red Hat OpenShift 4 Foundations Survey**

Launch

Type: Coursework Online

Date Available: Now Status: Completed

**Red Hat OpenShift 4 Foundations**

12 hours

Online 12 hours

Share

Identifier: 42451689

Language: English (en)

**My Status**

Status: **Completed**

Completed: Feb-28-22 11:06 CET

Score: **95.74%**

Last Completed Date: Feb-28-22 11:06 CET

Last Completed Score: **95.74%**

Date Enrolled: Feb-28-22

Diploma

Launch

Unenroll

**Reference Materials**

[ELAB Enrollment Instructions](#)


[Lab Environment Help Videos](#)

**Categories**

Product/ Red Hat OpenShift

# Homework cont

Take the course, do the lab and pass the test



**Red Hat  
Partner Training Portal**

## Red Hat Specialist


The Red Hat Partner Training Program offers defining curricula on selling and delivering solutions. The owner of this diploma has demonstrated comprehensive, applied knowledge and a deep understanding of Red Hat products and solutions.

Name Alfred Bach

Activity Red Hat OpenShift 4 Foundations

Date 28th February 2022

\*Valid for 2 years from completion date



Download the “Diploma” pdf and store it in the Accenture sharepoint provided by Accenture

Wednesday you have the chance to ask questions

**Finish the homework till Friday**

