



JOURNEY TO CLOUD-NATIVE APPLICATIONS WITH OPENSHIFT

Hands-on Technical Workshop

MARTIN ÖSTMARK
Solution Architect

JOHANNES BRÄNNSTRÖM
Solution Architect

NACIM BOUKHEDIMI
Solution Architect

TIMO FRIMAN
Solution Architect

PART 6: WRAP-UP AND NEXT STEPS

WHAT YOU'VE LEARNED

- Industry trends around enterprise application development
- Red Hat's approach to application modernization
- How to discuss migration and modernization with your customers or managers
- Migrating an existing legacy Java™ EE app to [Red Hat JBoss Enterprise Application Platform](#) on [OpenShift](#).
- Using modern frameworks like [Spring Boot](#), [Wildfly Swarm](#) and [Node.js](#) to implement cloud native microservices and replace monolithic functionality.
- Developing and deploying using [Red Hat OpenShift Container Platform](#), [Red Hat OpenShift Application Runtimes](#), and DevOps processes.
- The benefits and challenges with microservices
- Preventing and detecting issues in a distributed system.

HOW CAN I LEARN MORE?

http://bit.ly/mono-to-micro-labs

The screenshot shows a GitHub repository page for 'RedHat-Middleware-Workshops / modernize-apps-katacoda'. The repository has 8 watchers, 18 stars, and 21 forks. The current branch is 'master'. The file list includes:

File Name	Description	Last Commit
01-moving-existing-apps.md	random typos	4 months ago
02-developer-intro.md	minor fixes for md syntax	a month ago
03-mono-to-micro-part-1.md	Removed all the hashbangs causing an issue with Katacoda.	7 days ago
04-mono-to-micro-part-2.md	minor fixes for md syntax	a month ago
05-reactive-microservices.md	Removed all the hashbangs causing an issue with Katacoda.	7 days ago
06-resilient-apps.md	Removed all the hashbangs causing an issue with Katacoda.	7 days ago
README.md	updated docs for use with cdk/rhpsd	5 months ago

The README.md file is selected and displays the following content:

Scenario Index

- Scenario 1 - [Moving existing apps to the cloud](#)
- Scenario 2 - [A Developer Introduction to OpenShift](#)

<https://blog.openshift.com/>



PRODUCTS ▾

LEARN ▾

COMMUNITY ▾

SUPPORT ▾

FREE TRIAL

SIGN IN >

Blog

[Podcast] PodCTL #47 – VM Admin vs Container Admin

AUGUST 30, 2018 BY BRIAN GRACELY



This week, we were watching as fall trade show season got started and we noticed that one of the Container 101 sessions had a packed room. This led to a discussion about how many people were still at the 101 stages of container knowledge. TL;DR – it's still a lot! So we thought it would [...]

[Read More...](#)

Providing Applications and Services Worldwide Easily and Quickly at Porsche Informatik

AUGUST 24, 2018

BY CHRISTIAN KÖBERL, SOFTWARE ARCHITECT, PORSCHE INFORMATIK AND IOHANNES CULMBÖCK, INFRASTRUCTURE ARCHITECT

Search the blog



CATEGORIES

Containers (78)

CoreOS (3)

Educators (14)

Events (318)

Kubernetes (93)

News (415)

OpenShift Commons (151)

OpenShift Ecosystem (246)

Operator Framework (2)

Products (714)

<https://docs.openshift.com/>

RED HAT
OPENSIFT

PRODUCTS ▾ LEARN ▾ COMMUNITY ▾ SUPPORT ▾ FREE TRIAL SIGN IN

OpenShift Documentation

Search Documentation 🔍

OpenShift Online

Red Hat's public cloud application deployment and hosting platform.

🌐 Online

OpenShift Container Platform

Red Hat's private, on-premise cloud application deployment and hosting platform.

Select Version ▾

OpenShift Dedicated

Red Hat's managed public cloud application deployment and hosting service.

🌐 Dedicated

OKD

OpenShift's open source, upstream project.

🔗 OKD Documentation

<https://developers.redhat.com/topics/microservices/>

redhat CUSTOMER PORTAL **DEVELOPER** OPENSIFT OPENSIFT.IO PARTNERS STORE Log In

RED HAT DEVELOPER EVENTS TRAINING HELP PRODUCTS Q

Service Mesh Kubernetes **Microservices** DevOps Secure Coding Linux All Topics ▶

Build Microservices

Microservices and microservice architecture is the modern approach to building cloud-native applications as independent services.

[DevNation Live] - Advanced Microservice Tracing with Jaeger

redhat

Advanced Microservices Tracing with Jaeger

One of the greatest challenges of moving from traditional monolithic application design to a microservices architecture is being able to

<https://developers.redhat.com/blog/tag/devnation-live/>



A collage of three overlapping blog post snippets from the DevNation Live series. The top-left snippet is titled "Next DevNation Live: Your Journey to a Serverless World—An Introduction to Serverless, June 7th, 12pm EDT" and is dated June 6, 2018. The top-right snippet is titled "Next DevNation Live: Jakarta EE: The Future of Java EE, May 3rd, 12pm EDT" and is dated May 2, 2018. The bottom snippet is titled "Next DevNation Live: Advanced Microservices Training with Jaeger, June 21st, 12pm EDT" and is dated June 20, 2018. A small video thumbnail showing a man in a cap is visible in the bottom right corner of the collage.

LEARN MORE: learn.openshift.com



Interactive Learning Portal

Our Interactive Learning Scenarios provide you with a pre-configured OpenShift instance, accessible from your browser without any downloads or configuration. Use it to experiment, learn OpenShift and see how we can help solve real-world problems.

Getting Started
with OpenShift for
Developers

START SCENARIO

Logging in to an
OpenShift Cluster

START SCENARIO

Deploying
Applications From
Images

START SCENARIO

Deploying
Applications From
Source

START SCENARIO

Using the CLI to
Manage Resource
Objects

START SCENARIO

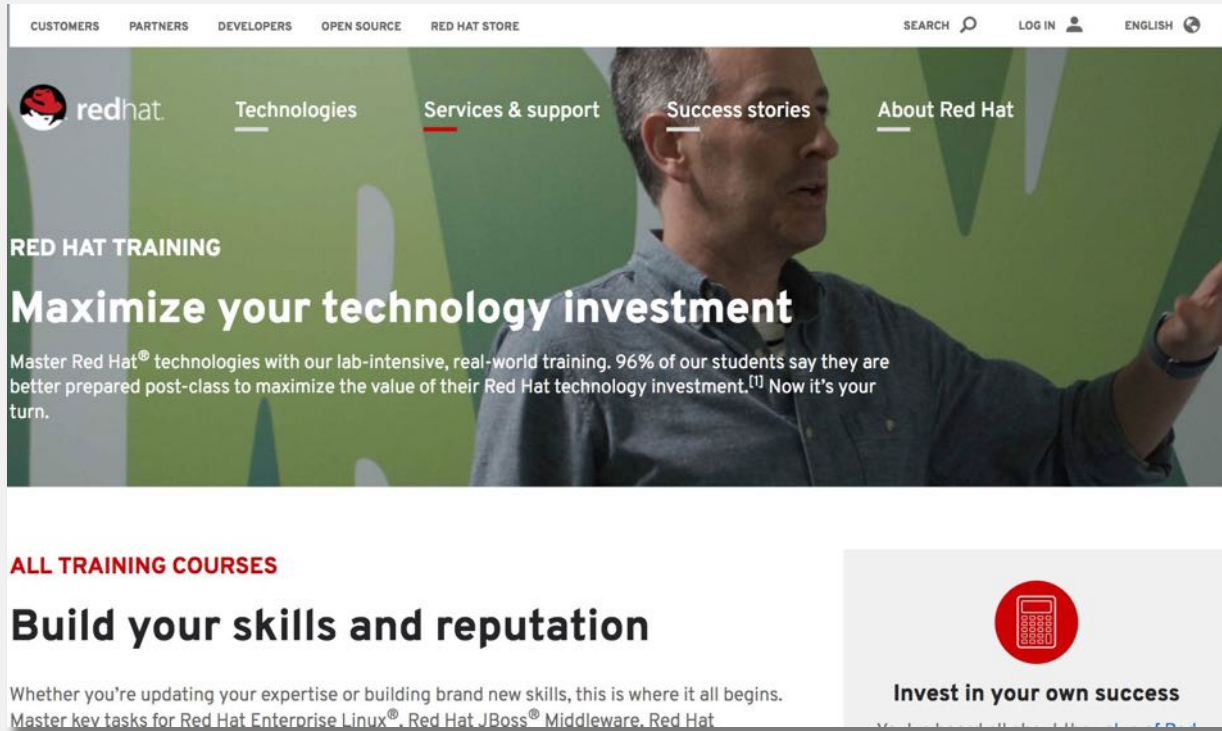
Connecting to a
Database Using
Port Forwarding

START SCENARIO

Transferring Files
in and out of
Containers

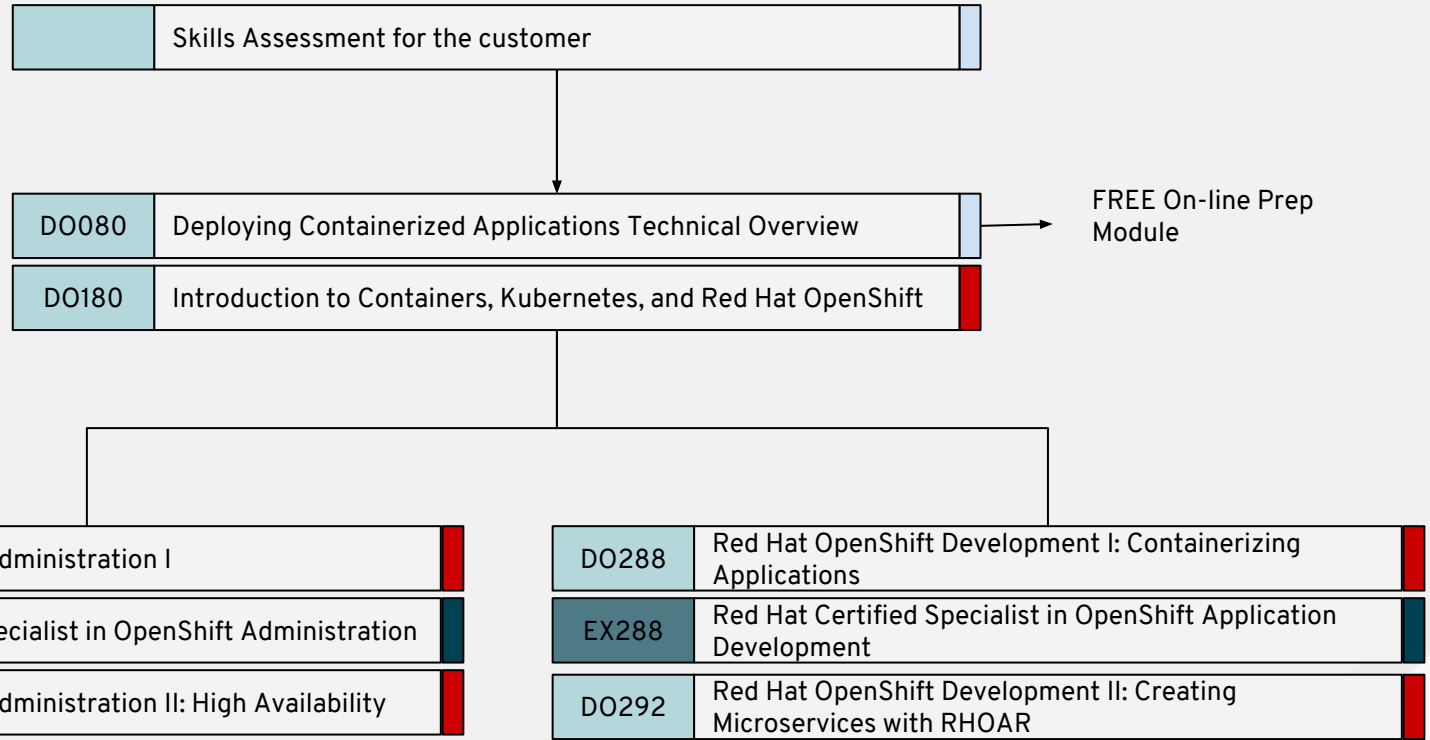
START SCENARIO

<https://www.redhat.com/en/services/training>



The screenshot shows the Red Hat Training website homepage. At the top, there is a navigation bar with links for CUSTOMERS, PARTNERS, DEVELOPERS, OPEN SOURCE, and RED HAT STORE. On the right side of the navigation bar, there are links for SEARCH, LOG IN, and ENGLISH. Below the navigation bar, the Red Hat logo is on the left, followed by a menu with links for Technologies, Services & support (which is underlined), Success stories, and About Red Hat. The main content area features a large image of a man in a blue shirt pointing. Overlaid on this image is the text 'RED HAT TRAINING' and 'Maximize your technology investment'. Below this, a paragraph reads: 'Master Red Hat® technologies with our lab-intensive, real-world training. 96% of our students say they are better prepared post-class to maximize the value of their Red Hat technology investment.^[1] Now it's your turn.' Below the main image, there is a section titled 'ALL TRAINING COURSES' and 'Build your skills and reputation'. A sub-section on the right is titled 'Invest in your own success' and features a red circular icon with a white document symbol.

Red Hat OpenShift Training Roadmap



MULTIPLE WAYS TO LEARN TO FIT DIFFERENT LEARNING STYLES



ON-SITE TRAINING

Private, on-site training and exams delivered at your location, at one of our training centers, or online.



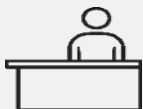
VIRTUAL TRAINING

Live, instructor-led online training with the same high-quality, hands-on labs you'd find in our classrooms.



On-line/VIDEO CLASSROOM

Interactive “in-classroom” access to Red Hat’s most popular courses, presented by experienced instructors, and recorded in high definition (HD) video.



OE CLASSROOM TRAINING

Train and test in a professional classroom environment led by Red Hat certified instructors.



RED HAT LEARNING SUBSCRIPTION

One year of access to all of our online learning content (more than 42 courses), high-definition (HD) video courses on select titles, and up to 400 hours of lab time, all from a single service at a low price.

RED HAT APPLICATION MIGRATION & MODERNIZATION PROGRAM

Red Hat provides the most comprehensive technologies, tools and services to support you

TODAY and **TOMORROW**



COMBINE TRANSFORMATION



BENEFITS



APPROACH



FACTORY



JUMPSTART YOUR MODERNIZATION WITH RED HAT OPEN INNOVATIONS LABS

MODERNIZE TRADITIONAL APPS

- Extend applications
- Optimize applications
- Scale applications
- Expose to orchestration

INNOVATION ACCELERATED

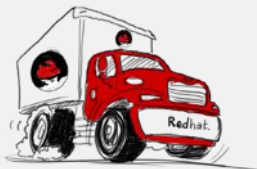
DEVELOP CONTEMPORARY APPS

- Develop on PaaS environment
- Transform how you design and develop apps
- Adopt lean and agile principles
- Master DevOps practices



COLLABORATION

Space to work,
innovate, and discuss



RESIDENCY

An eight-week accelerated
teaming engagement



COMMUNITY INCUBATION

Communities
supporting innovation

INNOVATION LABS PROCESS

PRE-WORK

Discovery session

RESIDENCY

Agile, Lean, DevOps

CONTINUOUS LEARNING

RETROSPECTIVE

Backlog and roadmap

PUSH-BUTTON
INFRASTRUCTURE



DEMO DAY



DRIVE A CULTURE OF INNOVATION THROUGH A SPACE THAT FOSTERS COLLABORATION



INNOVATE ANYWHERE

- Purpose-driven
- Collaborate and make
- Network and share
- Flex and adapt
- Rejuvenate and connect



THANK YOU



plus.google.com/+RedHat



facebook.com/redhatinc



linkedin.com/company/red-hat



twitter.com/RedHatNews



youtube.com/user/RedHatVideos