

How to present and POC OpenShift

As part of the OpenShift Introduction Workshop

Presenter's Name

Title

Presenter's Name

Title



CORPORATE SLIDE TEMPLATES

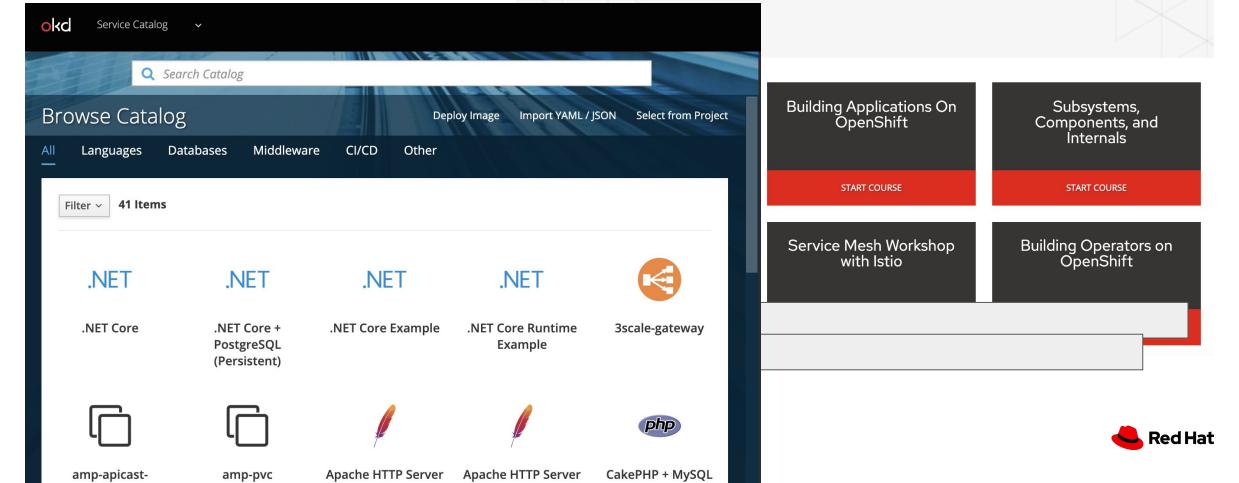
OpenShift how to Present



Learning environment 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.

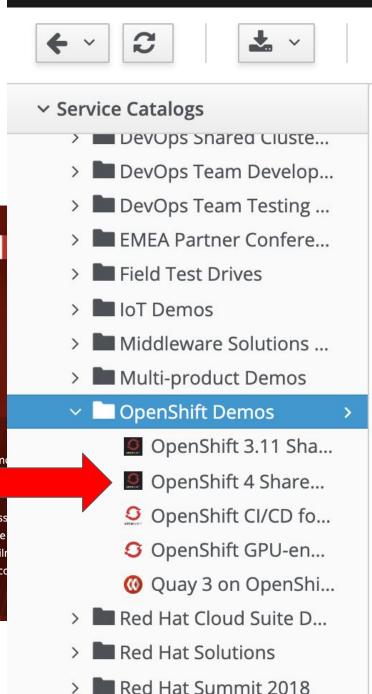




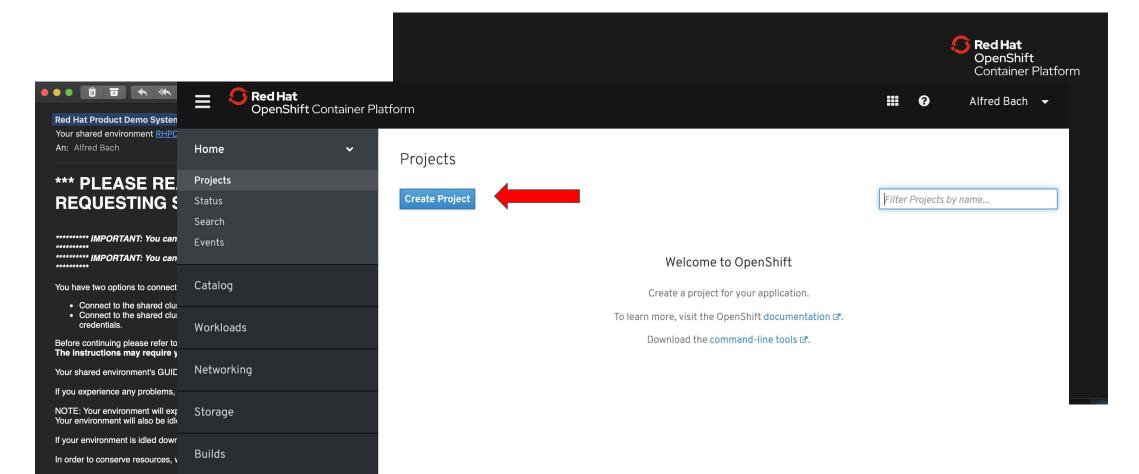


Demo Environment for Red Hat Partners rhpds.redhat.com





After 5 Minute you receive a Mail ...





Monitoring

Administration



Desktop virtualization

CodeReady Containers: OpenShift on your Laptop

Provides a pre-built development environment based on **Red Hat Enterprise Linux** and **OpenShift** for quick container-based application development. Use with OpenShift on-premises or cloud.

```
$ crc setup
Prepare your machine for running OpenShift
$ crc start -b crc-hyperkit-4.2.0.crcbundle
Start with the Hyperkit 4.2 bundle
$ crc status
Get the status of the cluster
```

- Based on OpenShift 4.x
- Linux (libvirt)
- Windows (Hyper-V)
- MacOS (Virtualbox)

- External beta available
- Replaces the 3.x experiences around:
 - Minishift
 - CDK
 - oc cluster up

Use It To: Simplify direct-to-OpenShift development on laptops.

0





Red Hat OpenShift Cluster Manager

Clusters

Subscriptions

Documentation

OperatorHub.io

Cluster Manager Feedback

Report an OpenShift Bug





Install on Laptop: Red Hat CodeReady Containers

Red Hat CodeReady Containers brings a minimal OpenShift 4.1 or newer cluster to your local laptop or desktop computer.

Follow the official documentation of for detailed installation instructions.

Get started

Relevant downloads are provided below.

Downloads

Download and extract the CodeReady Containers archive for your operating system and place the binary in your \$PATH . Run the crc setup command to set up your host operating system for the CodeReady Containers virtual machine.

- Windows: Download (HyperV)
- macOS: Download (HyperKit)
- · Linux: Download (Libvirt)

◆ Developer Preview About pre-release builds

Pull Secret

Download or copy your pull secret. The install program will prompt you for your pull secret during installation.

Download pull secret Copy Pull Secret



Note: Your CodeReady Container cluster will not show in your list of clusters in OpenShift Cluster Manager since it is short lived and occasionally running. OpenShift Cluster Manager currently shows only production-level clusters.

```
Alfreds-BigMac:Applications abach$ ls
LICENSE
               Sky Go.app
                                                doc.pdf
                                crc
Alfreds-BigMac:Applications abach$ ./crc start
INFO Checking if running as non-root
INFO Checking if oc binary is cached
INFO Checking if HyperKit is installed
INFO Checking if crc-driver-hyperkit is installed
INFO Checking file permissions for /etc/resolver/testing
INFO Checking file permissions for /etc/hosts
INFO Starting CodeReady Containers VM for OpenShift 4.2.0-0.nightly-2019-09-26-192831...
INFO Verifying validity of the cluster certificates ...
INFO Network restart not needed
INFO Check internal and public dns query ...
INFO Starting OpenShift cluster ... [waiting 3m]
INFO
INFO To access the cluster, first set up your environment by following 'crc oc-env' instructions
INFO Then you can access it by running 'oc login -u developer -p developer https://api.crc.testing:6443'
INFO To login as an admin, username is 'kubeadmin' and password is F44En-Xau6V-jQuyb-yuMXB
INFO
INFO You can now run 'crc console' and use these credentials to access the OpenShift web console
CodeReady Containers instance is running
Alfreds-BigMac:Applications abach$ ./crc console
Opening the OpenShift Web Console in the default browser...
Alfreds-BigMac:Applications abach$ |
```

Alfreds-BigMac:Applications abach\$./crc stop

CodeReady Containers instance stopped

Alfreds-BigMac:Applications abach\$ clear

Stopping CodeReady Containers instance... this may take a few minutes





How to create a POC Environment



Installation Experiences

OPENSHIFT CONTAINER PLATFORM

— HOSTED OPENSHIFT

Full Stack Automation

Simplified opinionated "Best Practices" for cluster provisioning

Fully automated installation and updates including host container OS.

Red Hat
Enterprise Linux
CoreOS

Pre-existing Infrastructure

Customer managed resources & infrastructure provisioning

Plug into existing DNS and security boundaries





Azure Red Hat OpenShift

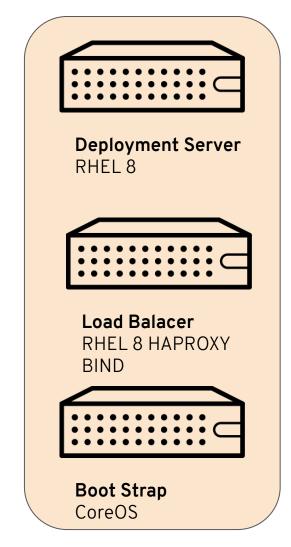
Deploy directly from the Azure console. Jointly managed by Red Hat and Microsoft Azure engineers.

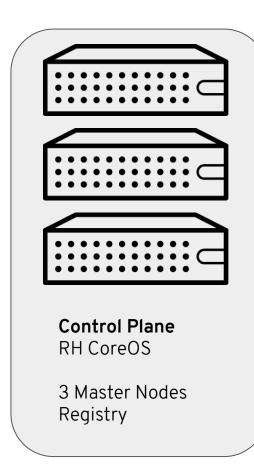
OpenShift Dedicated

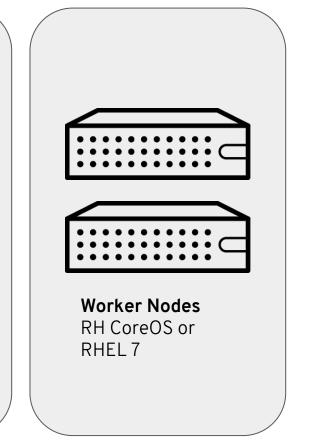
Get a powerful cluster, fully Managed by Red Hat engineers and support.

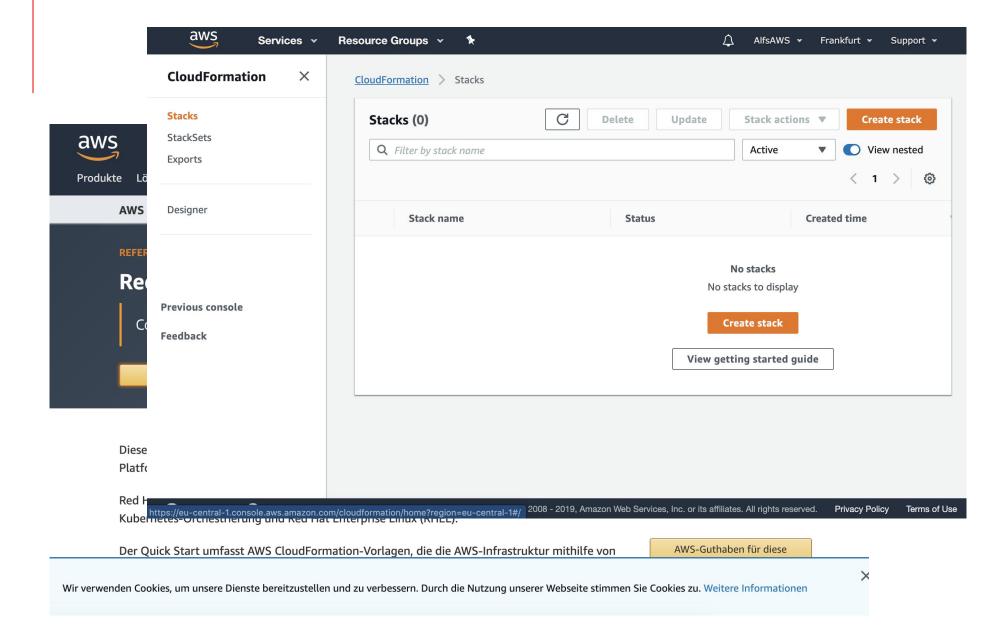


Minimal setup of an OpenShift 4 cluster



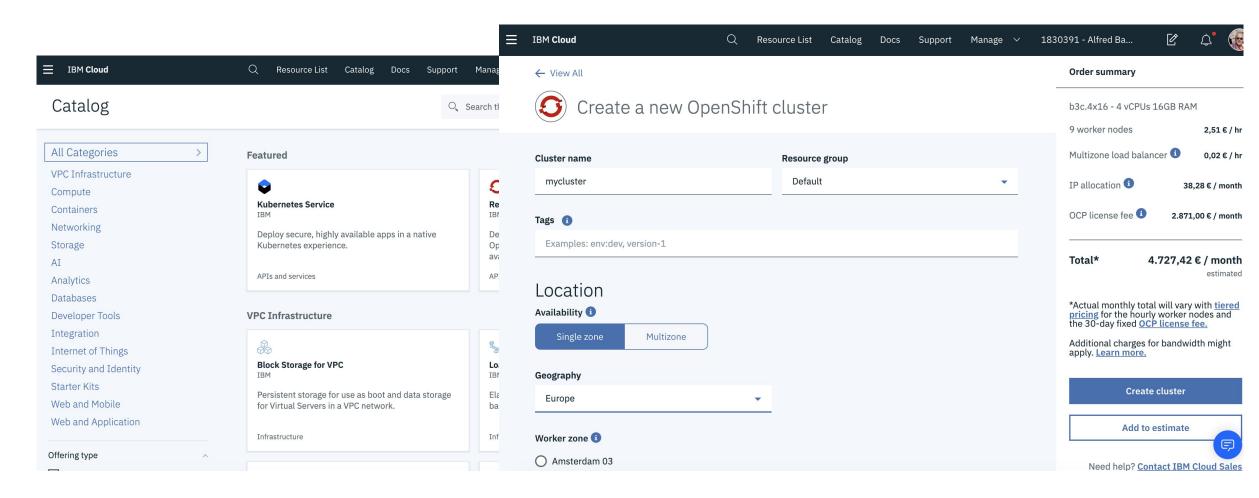








IBM Cloud





Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.









