

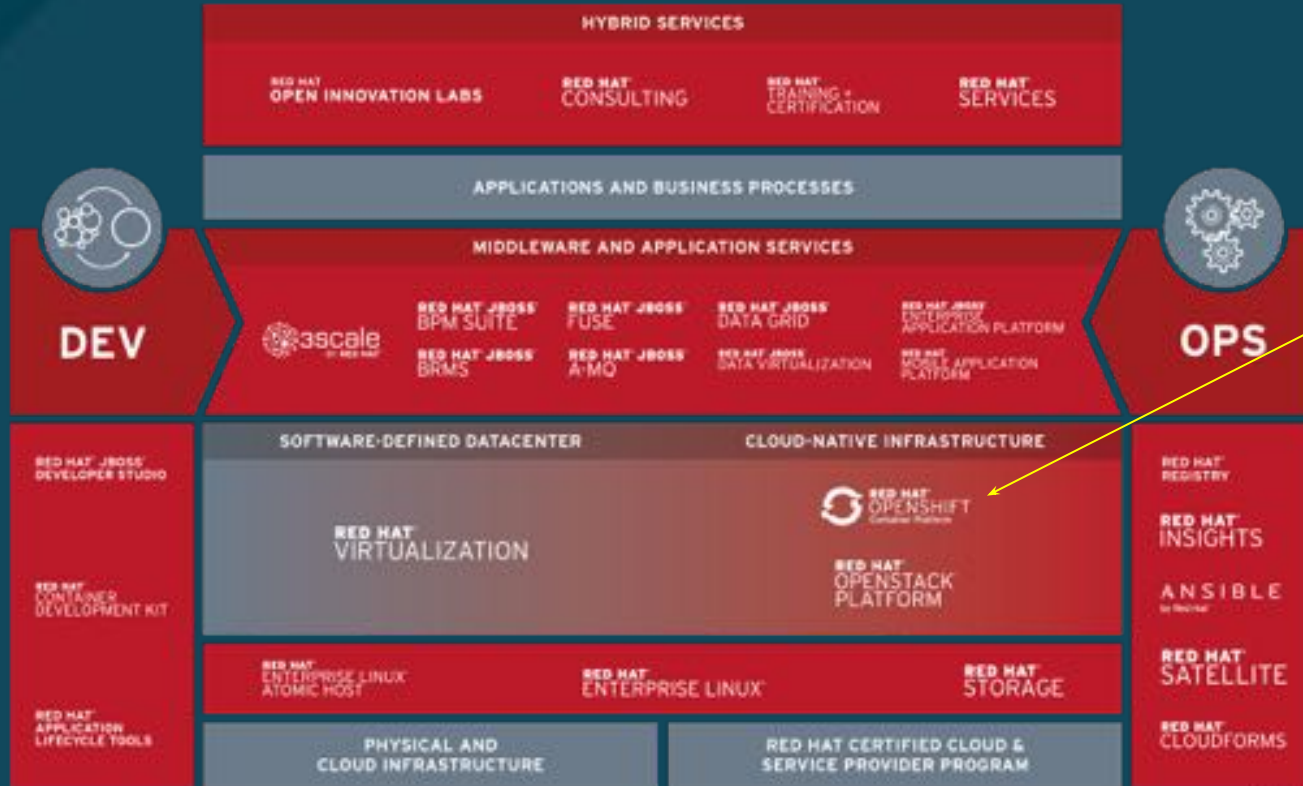


# **YOU NOW HAVE 1000's OF CONTAINERS WHAT NEXT?**

It was easy when we had one container

Anthony Kesterton  
Senior Solution Architect  
October 2017

# This session talks about OpenShift



© 2016

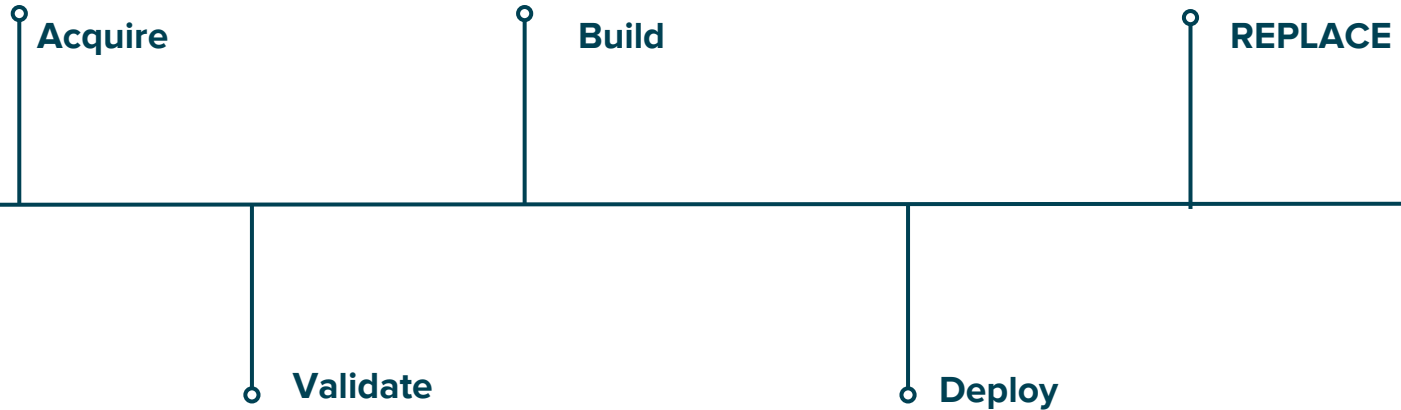
# REMEMBER VIRTUAL MACHINES?



**Containers are different**



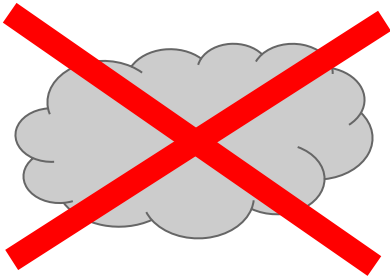
# CONTAINER LIFECYCLE



# ACQUIRE

`registry.access.redhat.com/rhsc1/nginx-18-rhel7`

Platform that provides an nginx 1.8 server and a reverse proxy server. The image can be used as a base image for other applications based on nginx 1.8 web server.



# VALIDATION

Updated a month ago

 1.8-13.19

Health Index

A 

Security

 Signed  Unprivileged

OpenSCAP - scanning containers for CVE's and against custom policies

Red Hat CloudForms policies and profiles

Tools such as Black Duck Hub

# BUILD

<your build tools here>



Source-to-image

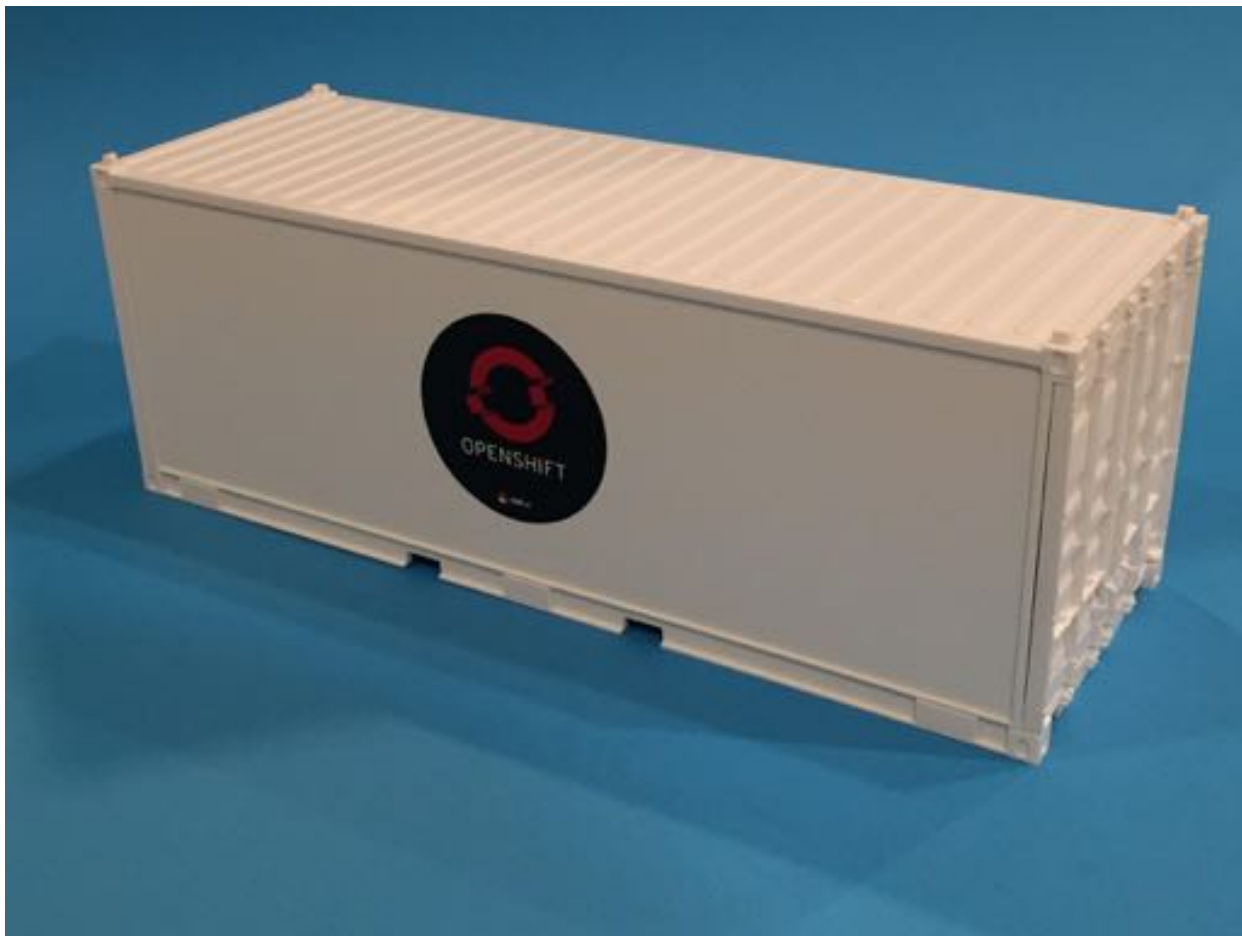


# DEPLOY

A photograph of a shipping yard with stacks of colorful containers and a large blue crane. The word 'DEPLOY' is overlaid in large black letters at the top center. The containers are stacked in various colors including red, blue, yellow, and green. The crane is a large blue gantry crane. The sky is overcast and grey.

Docker push @ build pipeline skopeo

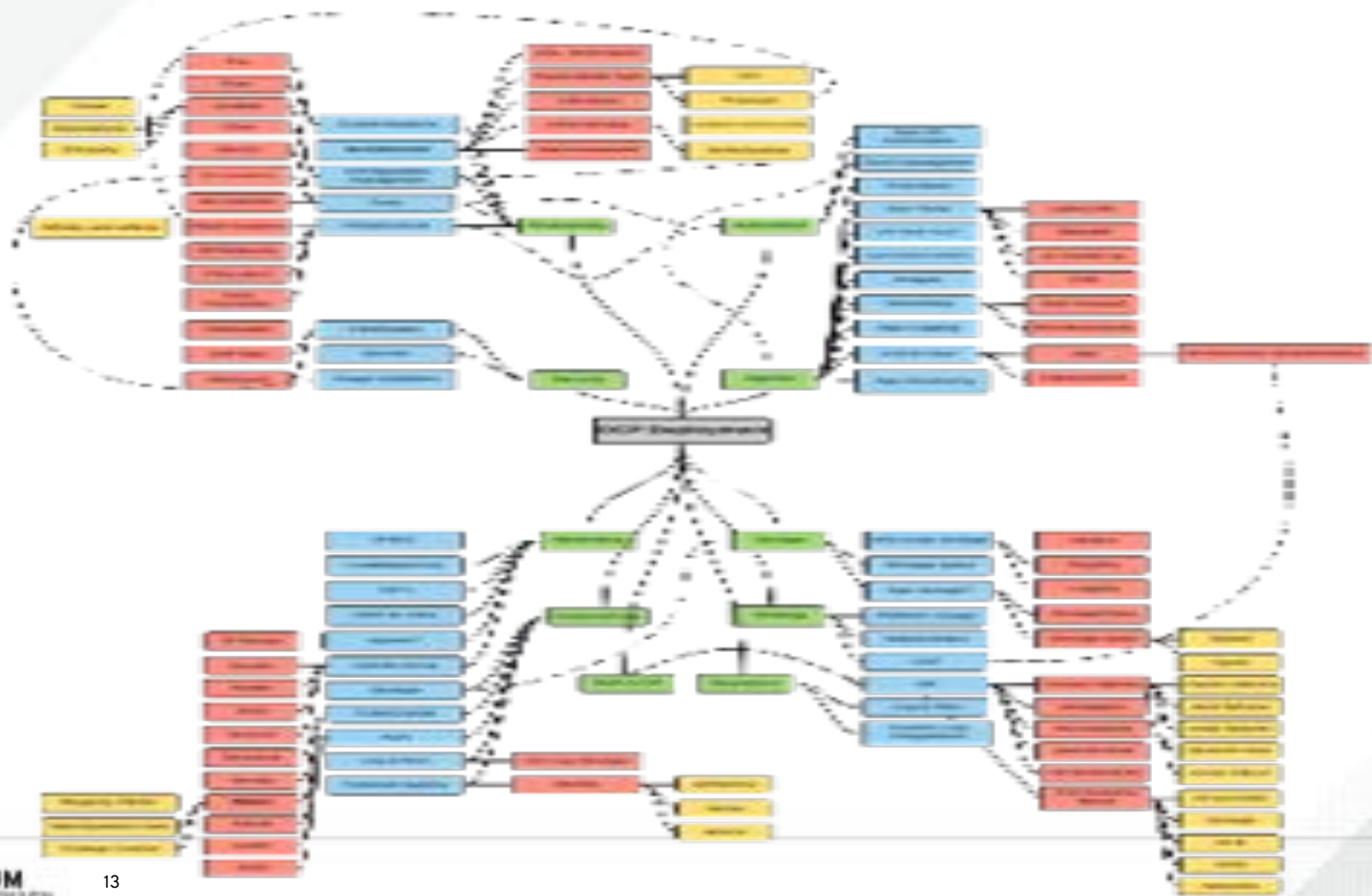
**BOOM!**



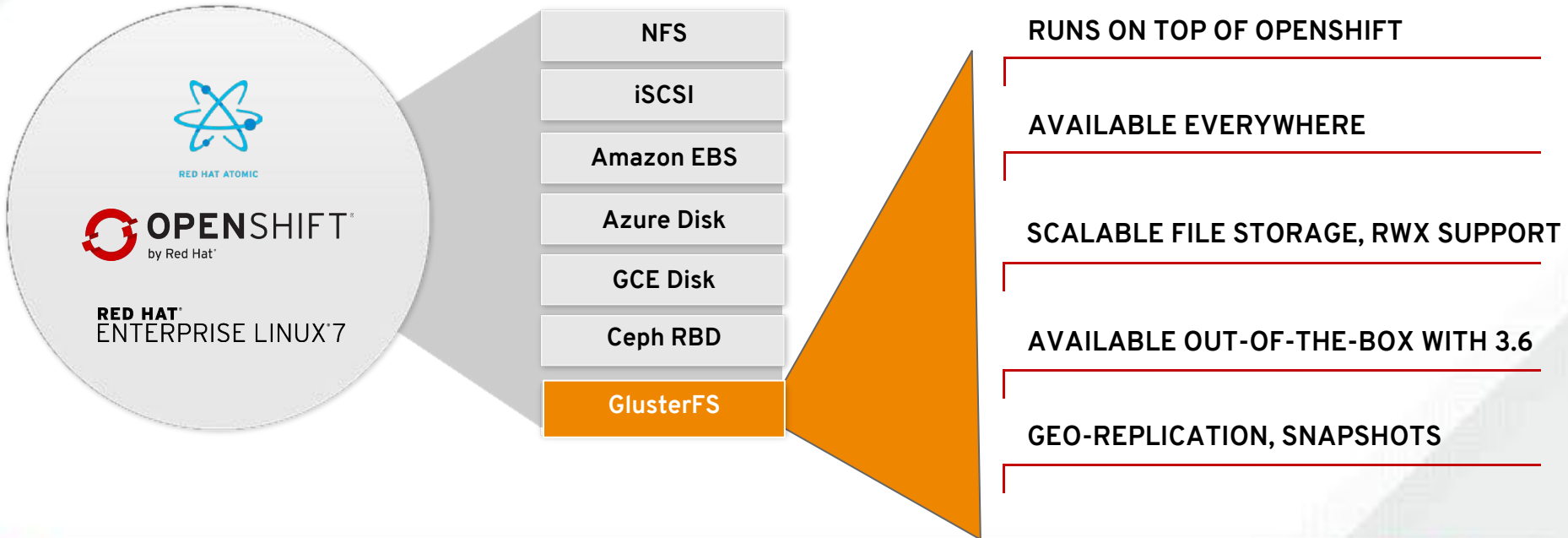
**Kubernetes** is an open-source system for automating deployment, scaling, and management of containerized applications.



<https://www.openshift.com/container-platform/kubernetes.html>



# STORAGE OPTIONS



# MONITORING



Applications

Containers/Pods

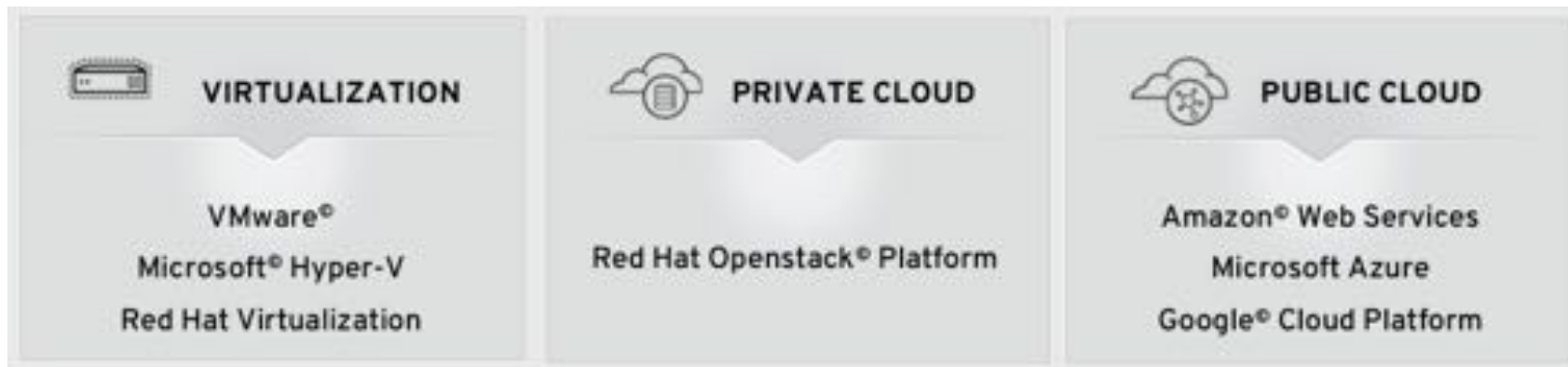
OpenShift components

Underlying OS

Infrastructure

Ops through to Dev

# CloudForms





# Prometheus



# ANOTHER VIEW

# DON'T PANIC

YOU ARE NOT ALONE!

Reference architectures

Documentation

Blogs

OpenShift Commons

OpenShift Origin community

Red Hat Support

Structured PoC

# SEE THIS TECHNOLOGY TODAY

## Exhibition Centre

13:00 Openshift - the Art of Development

## Monitoring

Sysdig

Dynatrace

Coscale

14:30 Dynatrace - Lessons Learned from  
Monitoring Large Container Application  
Environments

## Scanning

Black Duck

15:40 The Power of a Common Language. Red  
Hat Management with Ansible Inside

## Demo Zone

OpenShift

CloudForms

15:40 Speed Dating With Openshift - 30 tips in 30  
minutes

16:25 OpenShift... There's a pipeline for that

# POINTS TO REMEMBER

Container lifecycle

Container management platform

Container monitoring





RED HAT

**FORUM**

Europe, Middle East & Africa