RED HAT SUMMIT

Containerizing Applications, Existing and New

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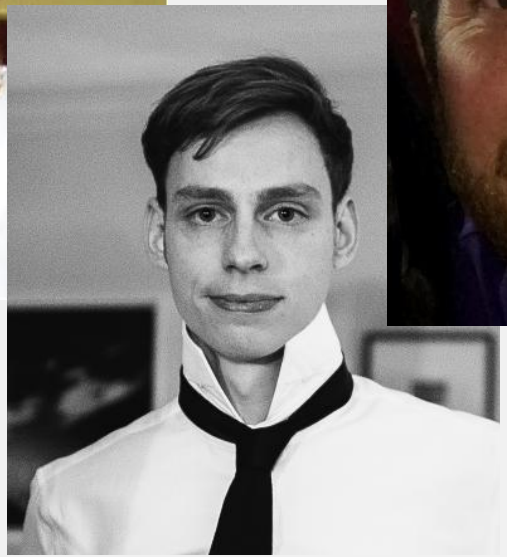
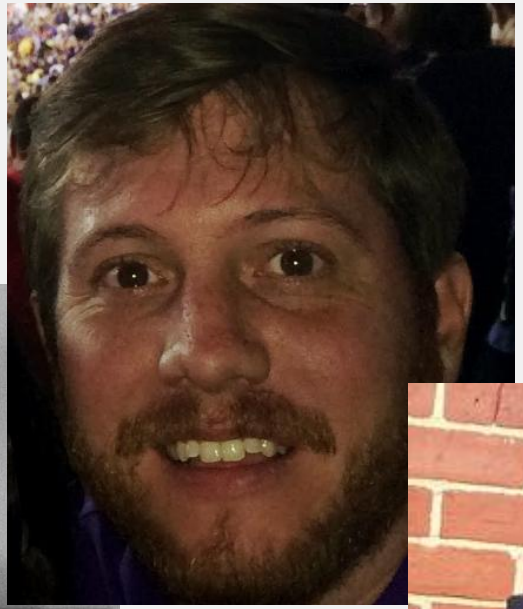
lab: https://github.com/dustymabe/summit-2017-container-lab/





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Lab 1

If you are new to Docker, or having been using it a bit, this lab will provide an overview and refresher. We also include some handy tips to make things easier.

Lab 2

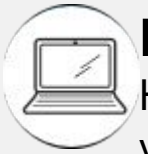
Whenever you read about Docker, you hear “1 service = 1 container.” While this is a good practice, it doesn’t have to be the only answer. We will take a look at a monolithic application and how it should be containerized.

Lab 3

We will take a monolithic application and deconstruct it into services. Each service will be provided by its own container. We will also highlight the tradeoffs we make.

Lab 4

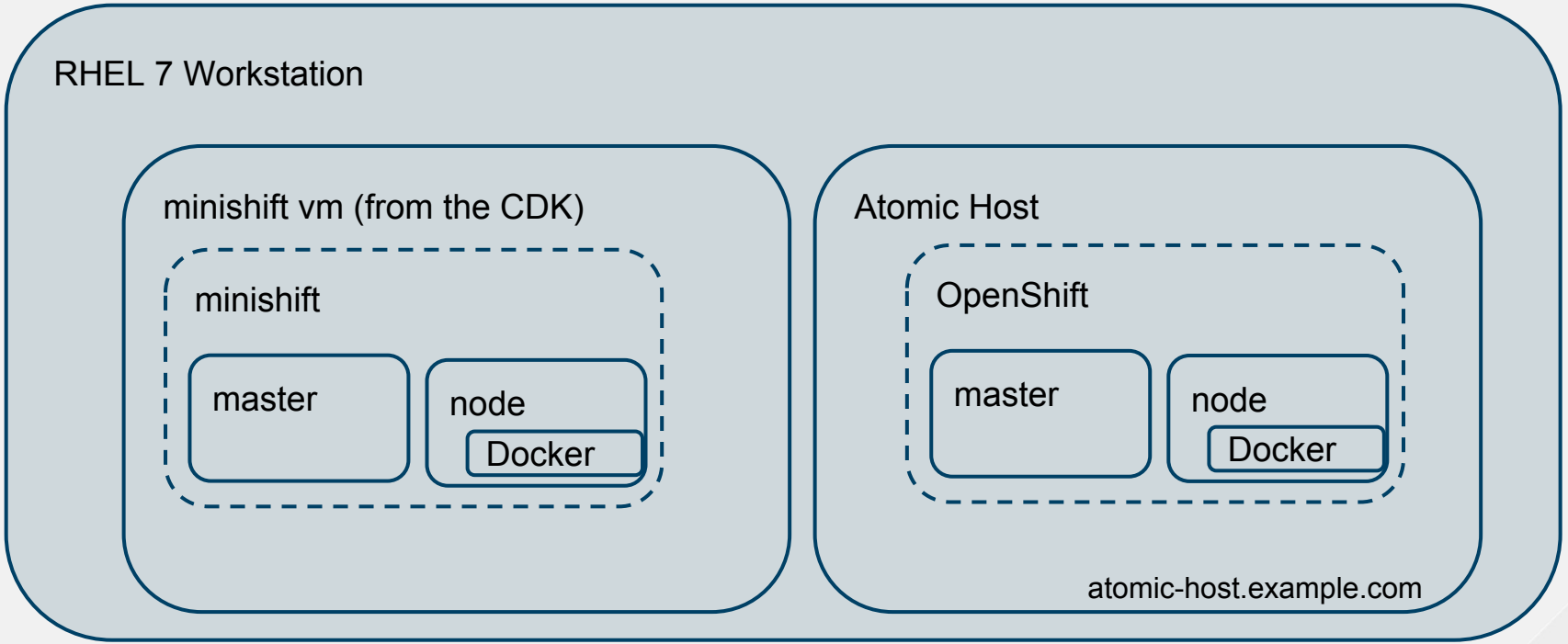
When deconstructing an application, you quickly realize that orchestration of services is fundamental. In this lab, we will introduce OpenShift & Kubernetes as an orchestration tool for containers.



Bonus Lab 5!

How can you make a repeatable template for your basic application? We also introduce the OpenShift Web Console.

Lab Architecture



redhat.

Tips

Laptops: redhat
Workstation VM: student/student
Lab: https://github.com/dustymabe/summit-2017-container-lab/

- Go to View | Scale Display and check the box “Auto resize VM with window”
- Cutting and pasting from the pdf can be weird across multiple lines.. Make sure to c/p carefully. If it bites you a lot, take a look at the markdown files in ~/summit-2017-container-lab/labs/ or the github repo below.
- The getlab script will have no output
- Don’t forget the “s” in https when going to the openshift console
- Ignore “as the vagrant user” on page 8
- If docker commands issue certificate errors, please let us know and run
  “minishift stop && minishift start --skip-registration”

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