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# Agenda

## Introduction & Overview

8:00 - 8:45 AM



## OpenShift Community vs. Enterprise

9:30 - 10:15 AM



## OpenShift Workshop

11:00 - 12:00 PM



**45 mins**

**45 mins**

**45 mins**

**45 mins**

**1 hour**



## OpenShift Tech Deep Dive

8:45 - 9:30 AM



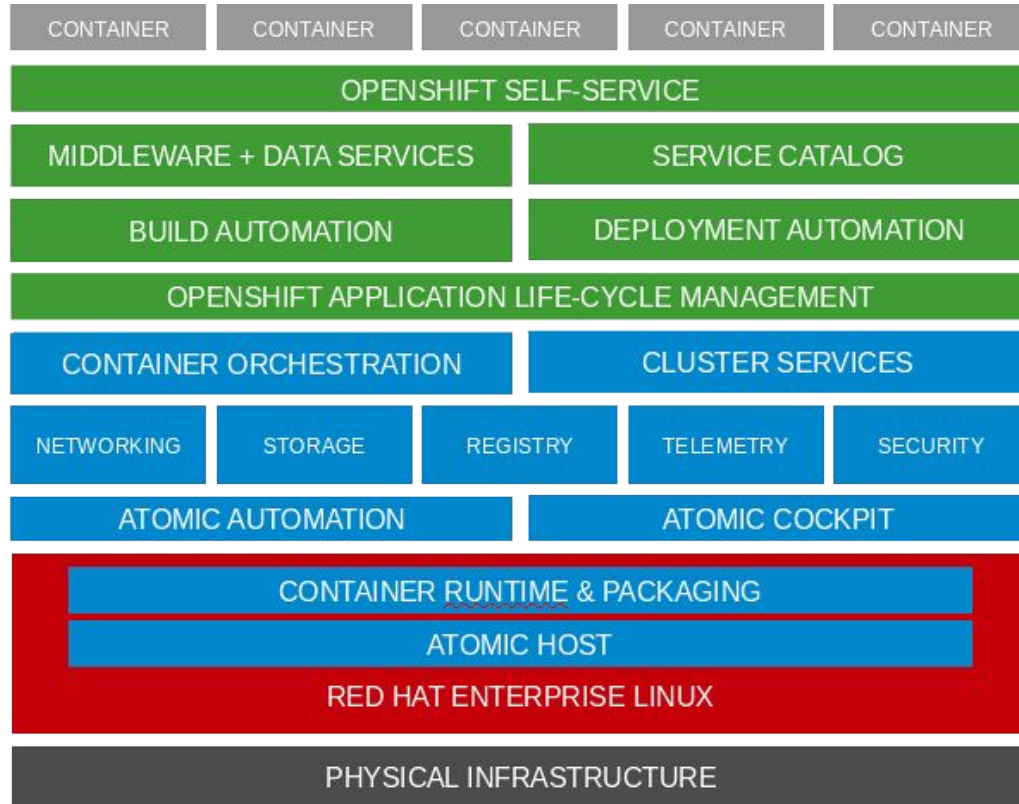
## OpenShift + Red Hat Mobile

10:15 - 11:00 AM

# OpenShift Technology Stack



**OPENSHIFT**  
by Red Hat®

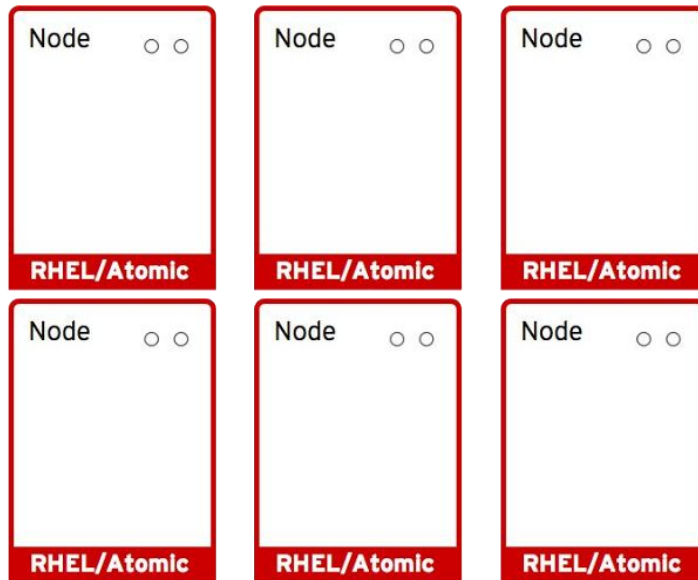


# How OpenShift Works

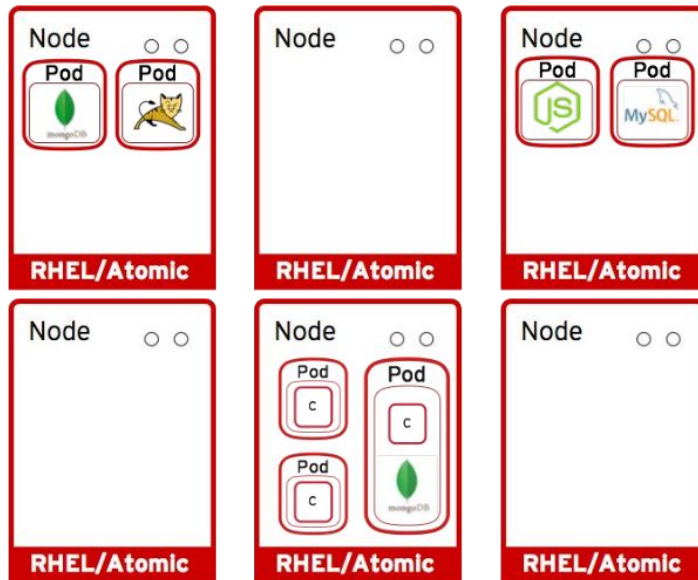
# OpenShift Runs Anywhere RHEL Is Supported



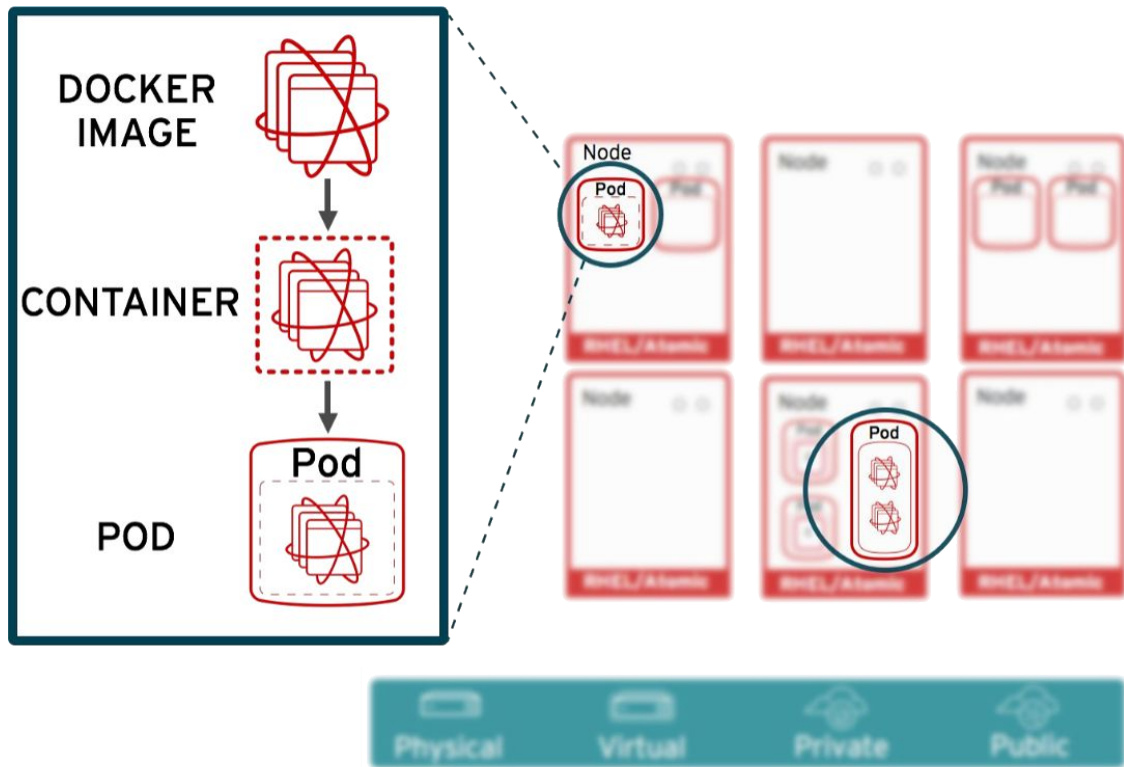
# OpenShift Nodes Are Instances Of RHEL



# OpenShift Deploys Container Apps On Nodes In Pods

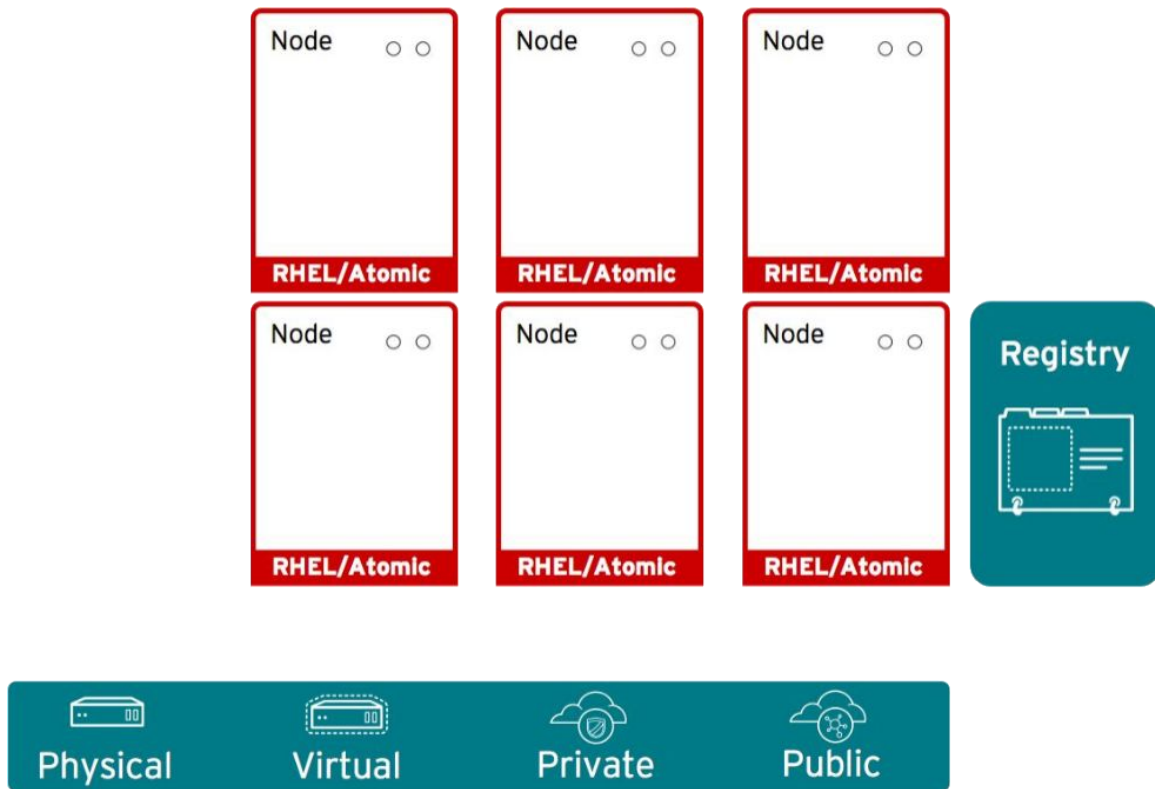


# OpenShift Pods Group One or More Container Apps

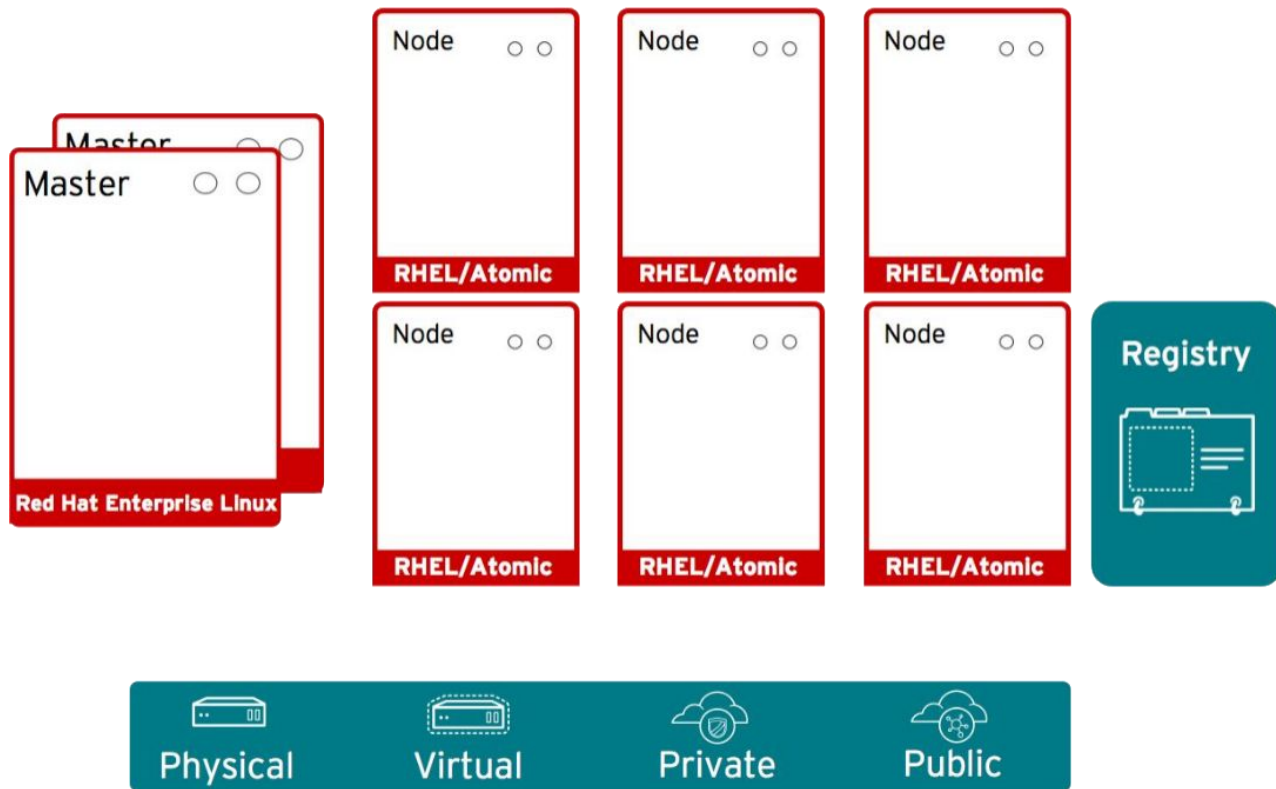




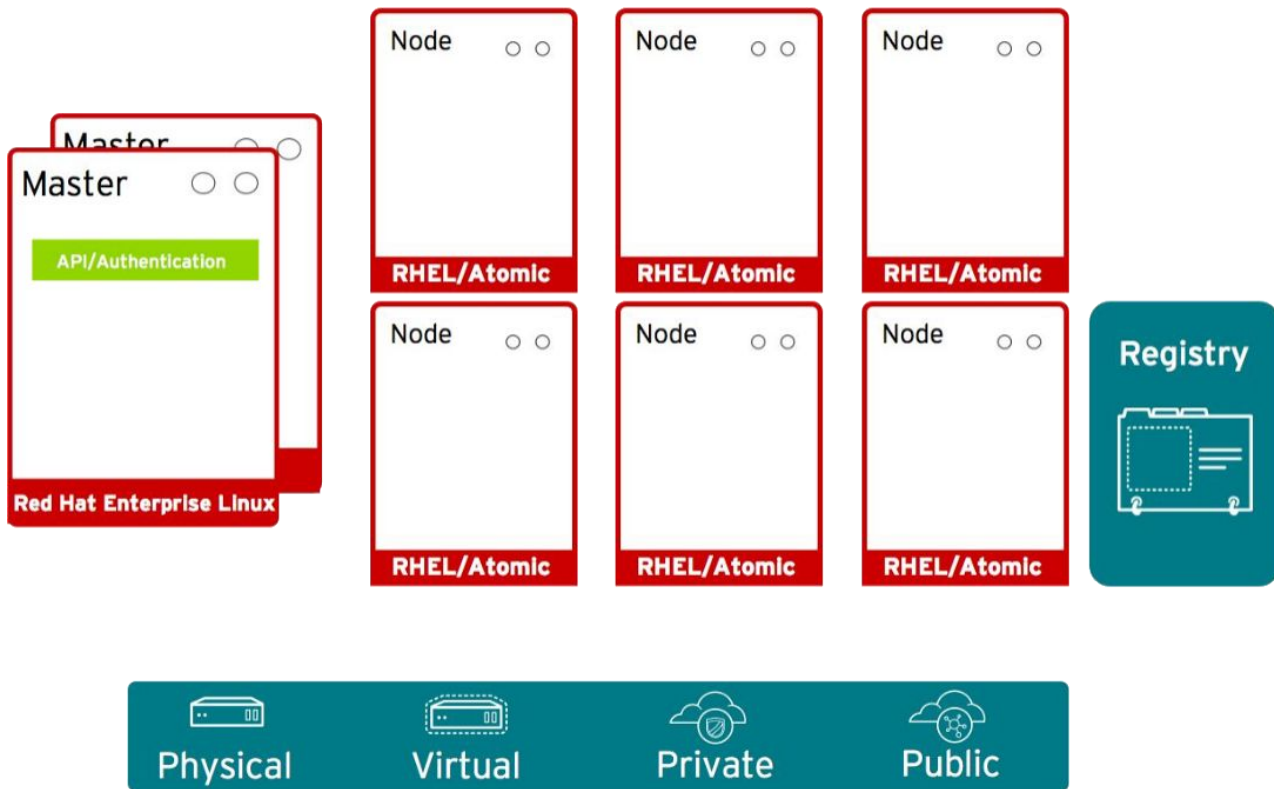
# OpenShift Registries Store Container App Images



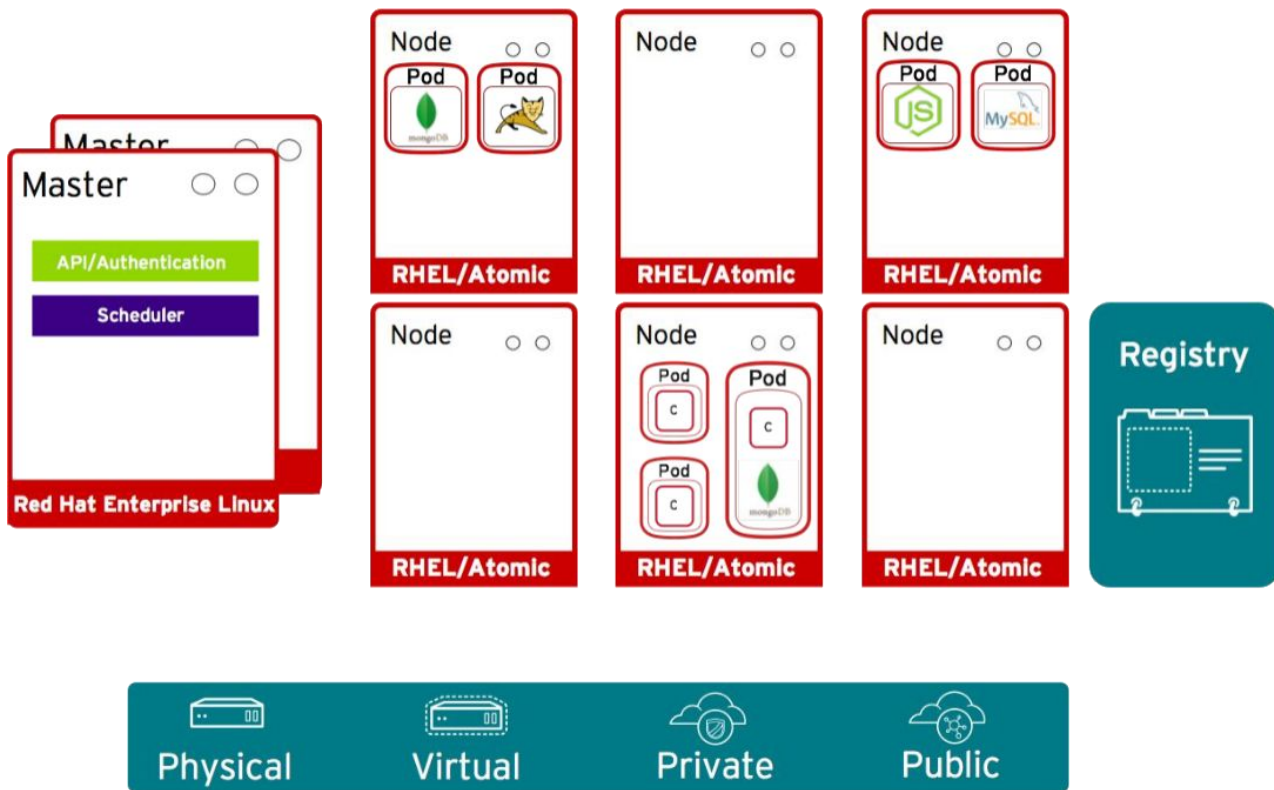
# OpenShift Masters Manage Nodes & Container Apps



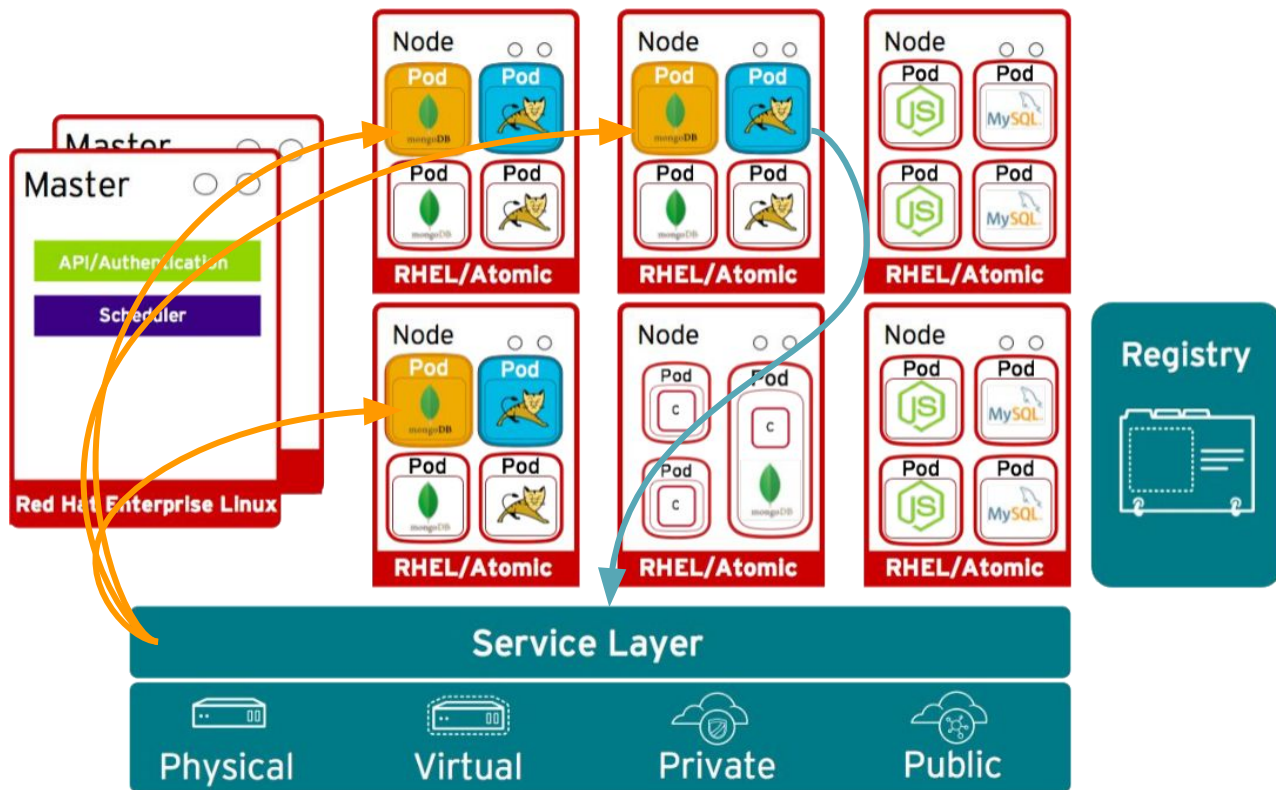
# OpenShift Masters Expose API, AuthN, & AuthZ Services



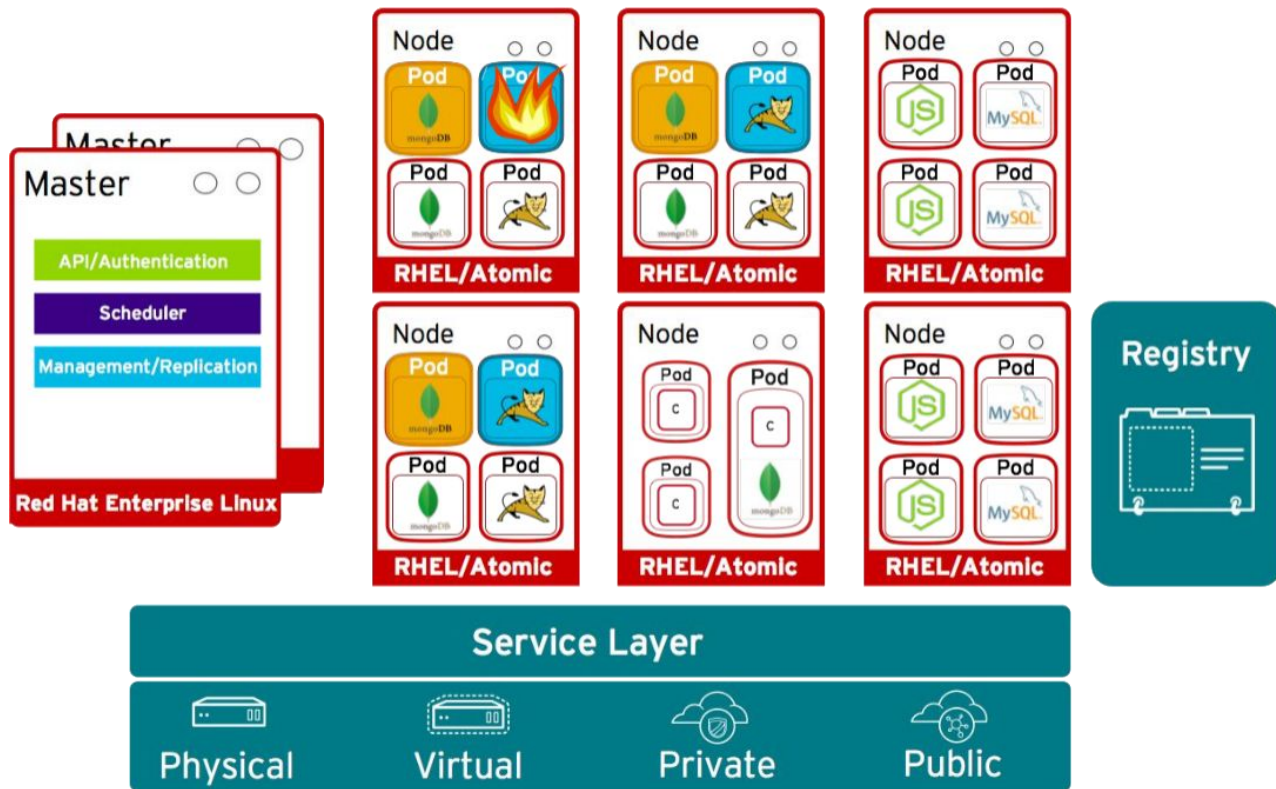
# OpenShift Masters Schedule Pod Placement On Nodes



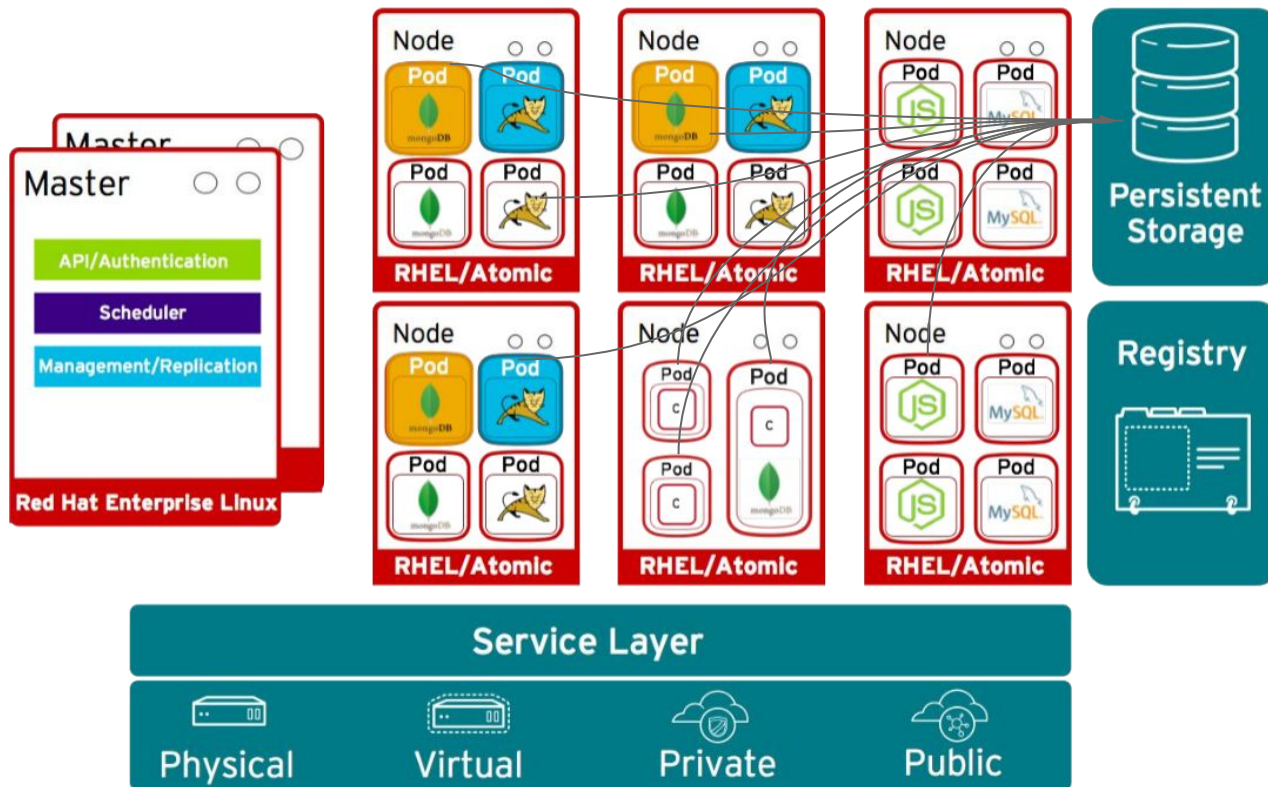
# OpenShift Connects Pods With Services



# OpenShift Masters Recover, Autoscale, & Rollback

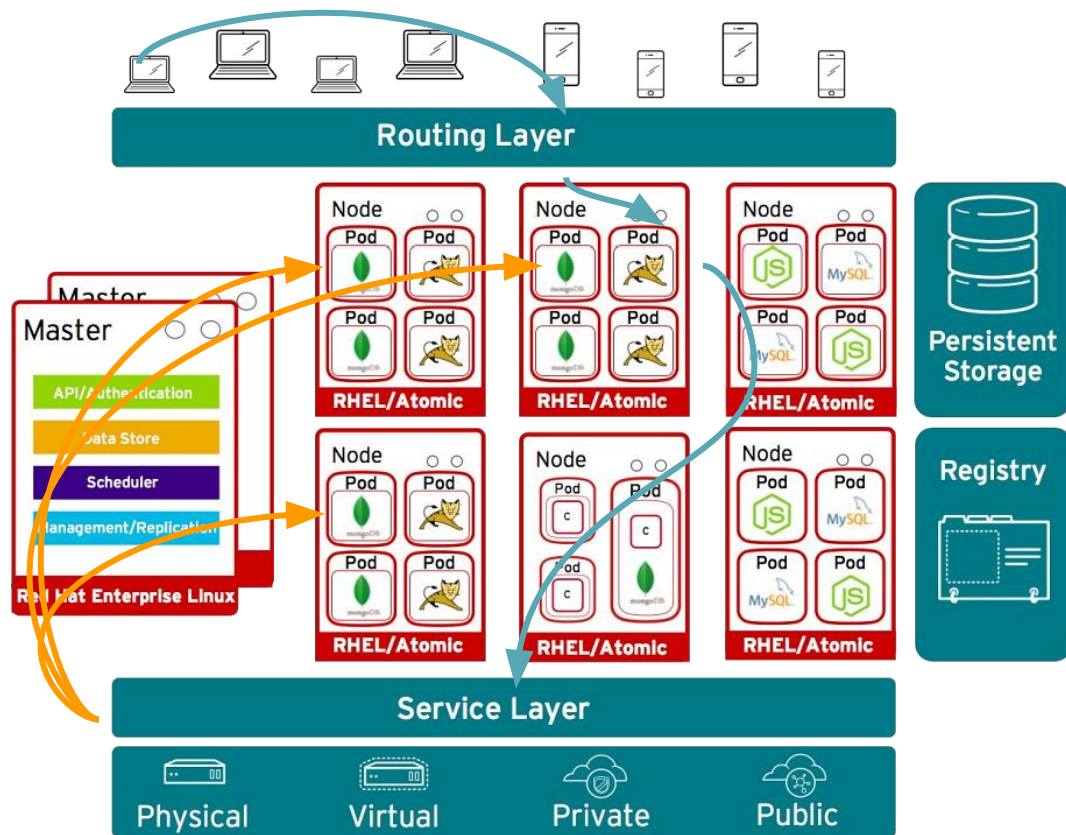


# OpenShift Pods Support Persistent Storage

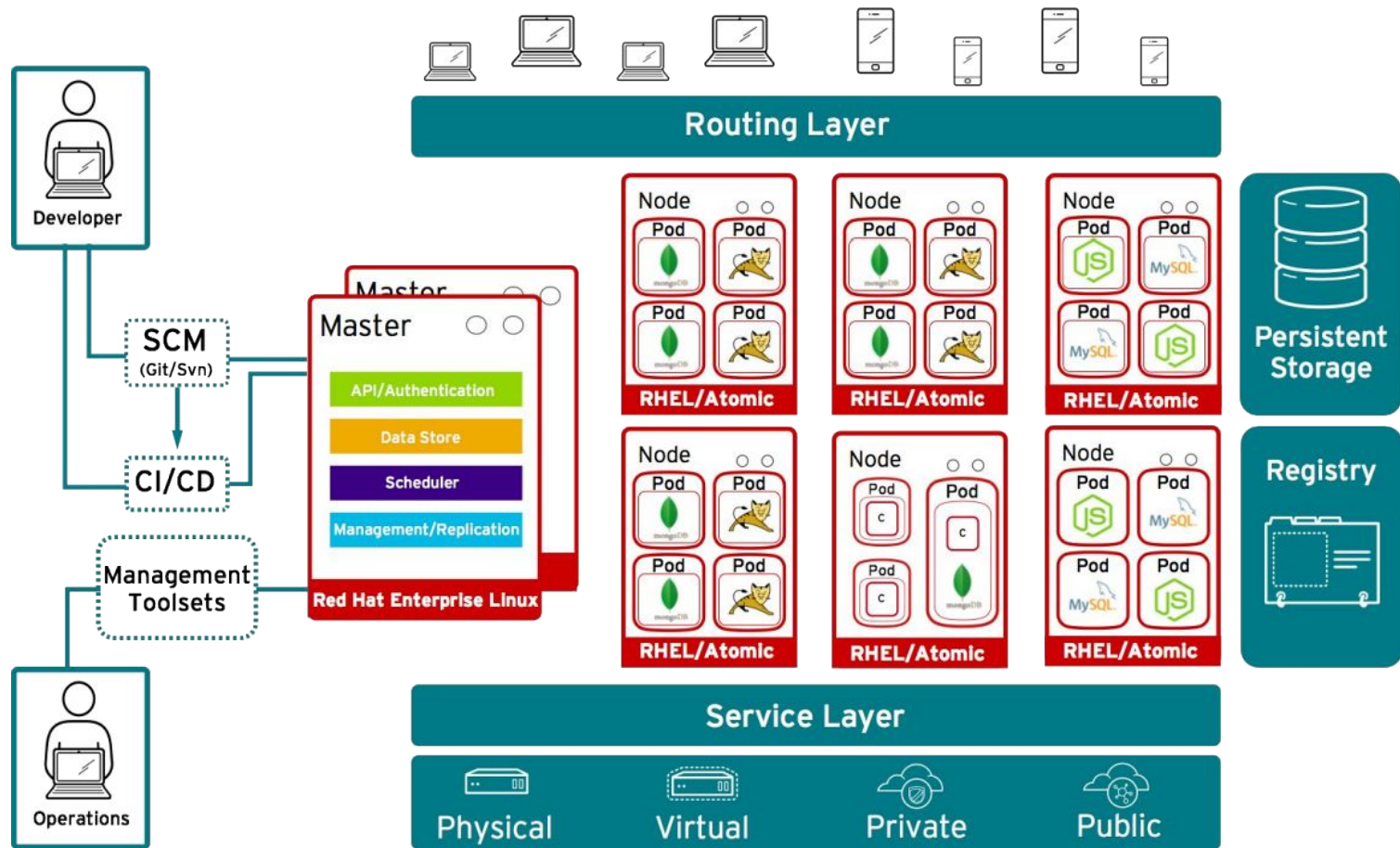




# OpenShift Exposes Pods With Routes

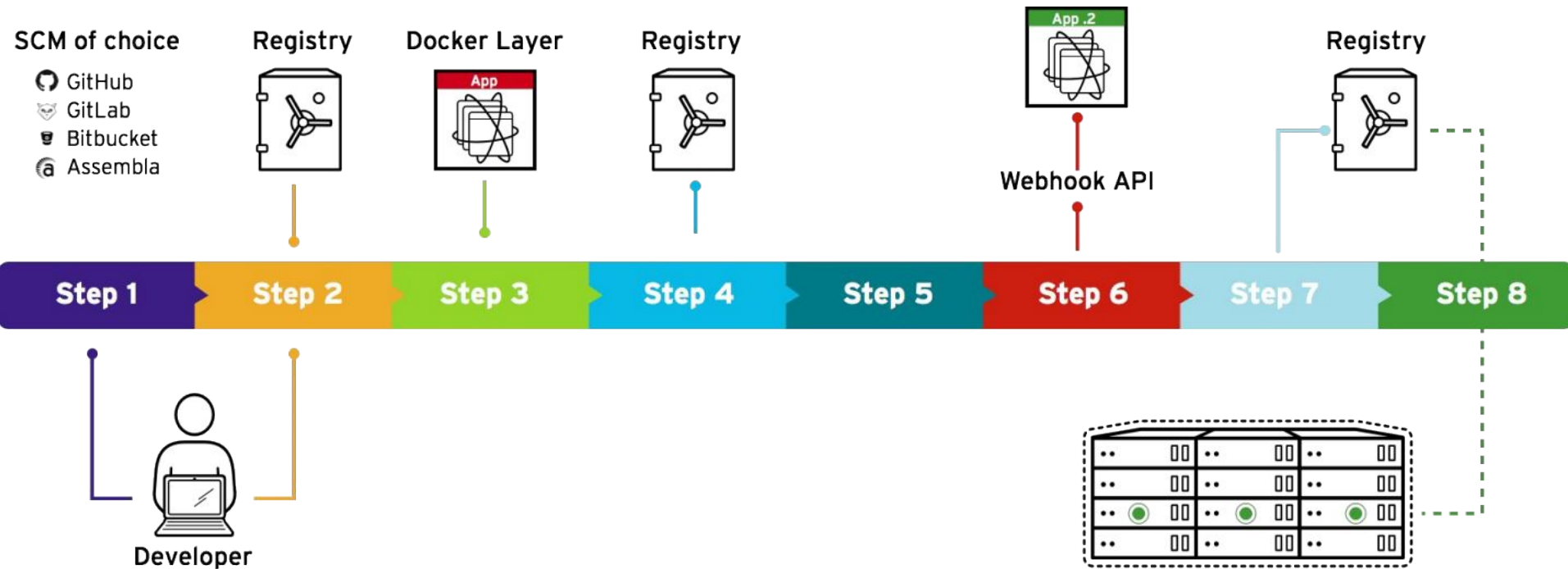










# OpenShift DevOps Workflow

# Example DevOps Pipeline



# Provide Source Control Repository

## SCM of choice

-  GitHub
-  GitLab
-  Bitbucket
-  Assembla

Step 1

Step 2

Step 3

Step 4

Step 5

Step 6





Step 7

Step 8



# Choose Baseline Image

SCM of choice

-  GitHub
-  GitLab
-  Bitbucket
-  Assembla





Registry



Developer

# Create Container App

SCM of choice

-  GitHub
-  GitLab
-  Bitbucket
-  Assembla

Registry



Docker Layer



Step 1

Step 2

Step 3

Step 4

Step 5

Step 6

Step 7





Step 8



Developer

# Update Baseline Image

SCM of choice

-  GitHub
-  GitLab
-  Bitbucket
-  Assembla

Registry



Docker Layer



Registry



Step 1

Step 2

Step 3

Step 4

Step 5

Step 6

Step 7

Step 8



Developer

# Schedule Image Deployment

SCM of choice

- GitHub
- GitLab
- Bitbucket
- Assembla

Registry



Docker Layer



Registry



Step 1

Step 2

Step 3

Step 4

Step 5

Step 6

Step 7

Step 8

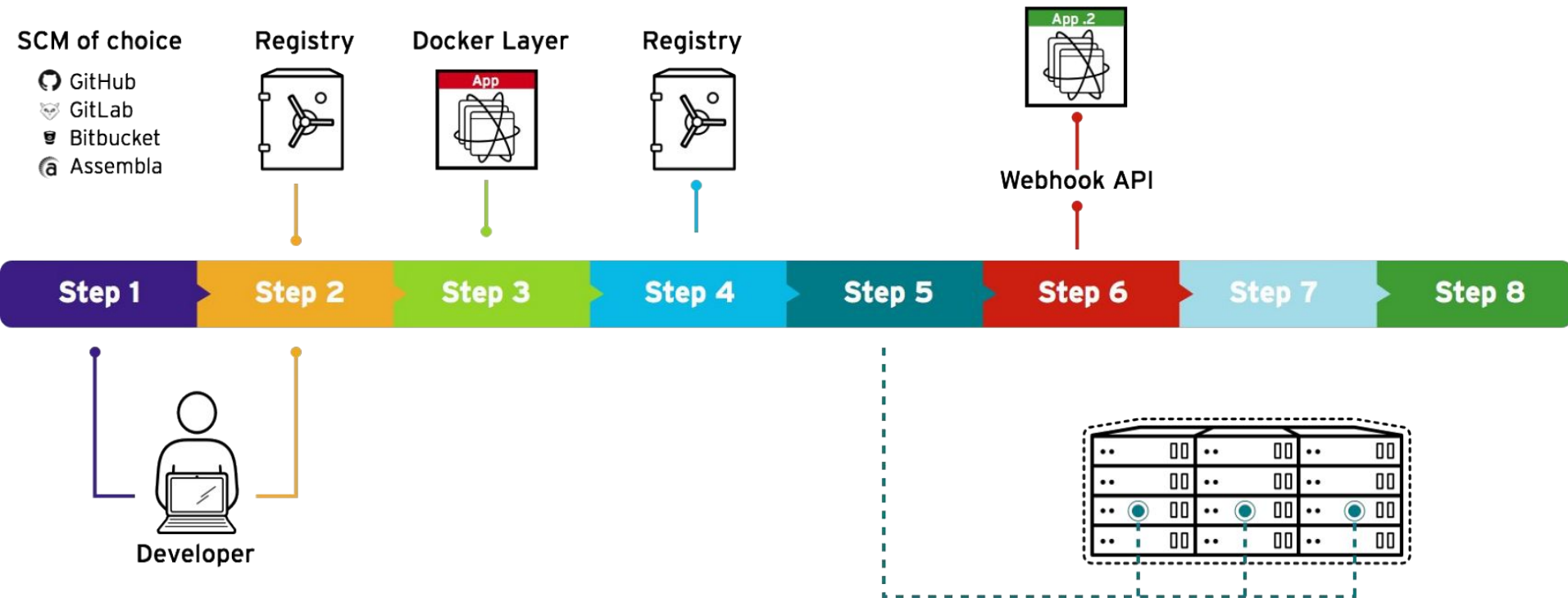


Developer

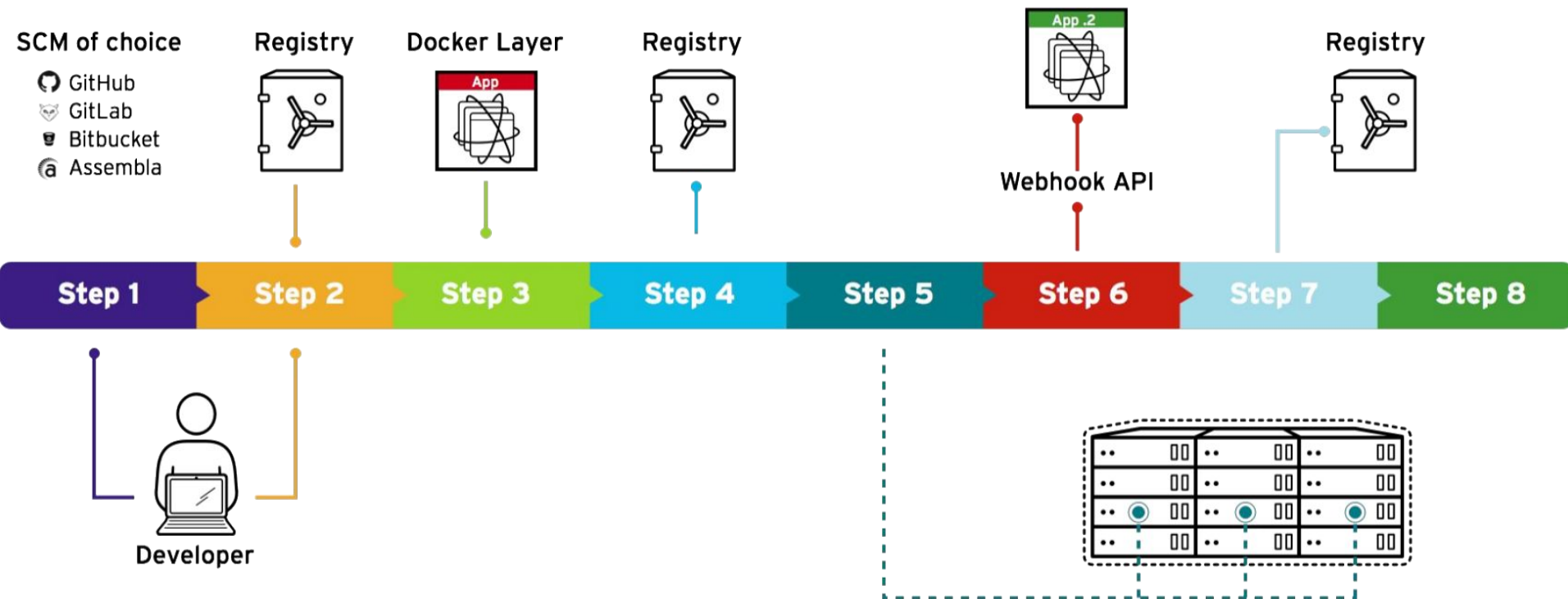




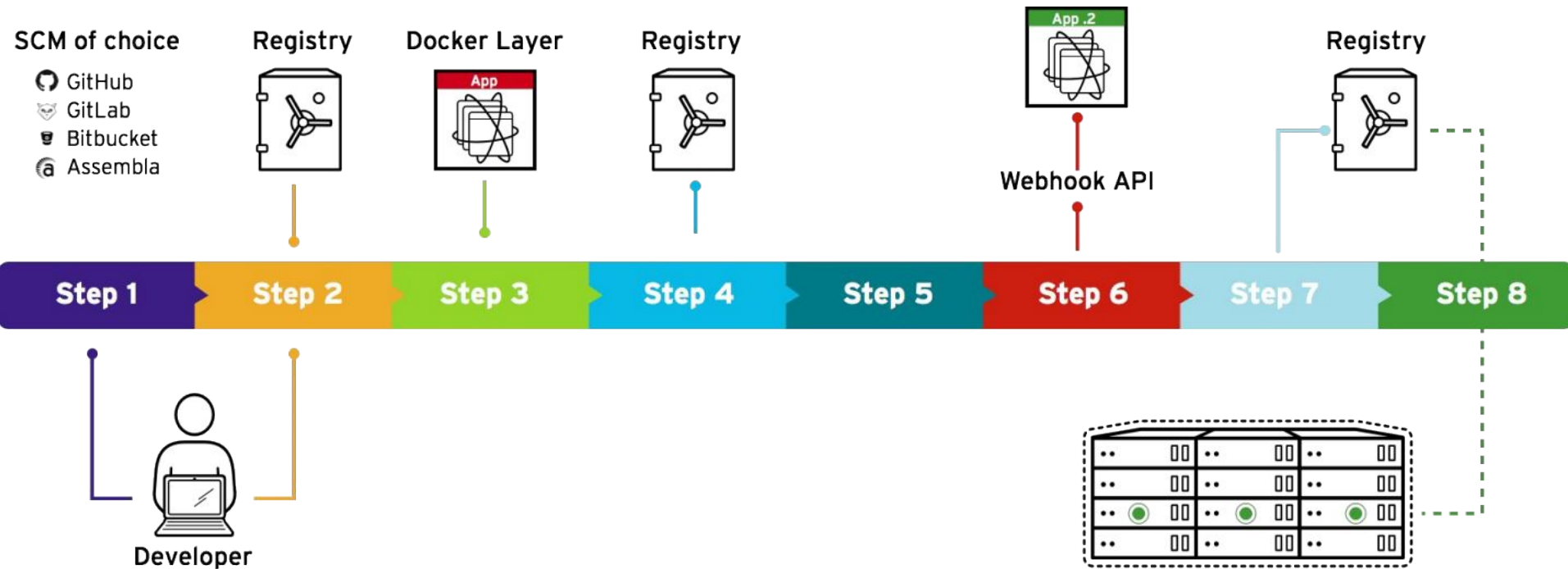
# Declare Any WebHooks



# Update Image Again



# Image Rolling Update





# Thank You!



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