



# DevOps from theory to reality: JBoss EAP OpenShift Enterprise v3

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# Major French Bank context

### Challenges

- Develops and hosts software for customers and advisors
- Huge network of agencies
- Thousands of advisors and Millions of customers
- Strict SLA
- Has to react to a very dynamic market by offering innovative products

### Pains

- Monolithic software architecture
- Long development cycles
- Long rollout cycle





# The Red Hat Way

Agile Transformation Project

Break down Monolithic
 Applications into Microservices

 Enable DevOps with OpenShift Enterprise

Manage Organizational Changes

**RED HAT°**CONSULTING

RED HAT JBOSS ENTERPRISE APPLICATION PLATFORM



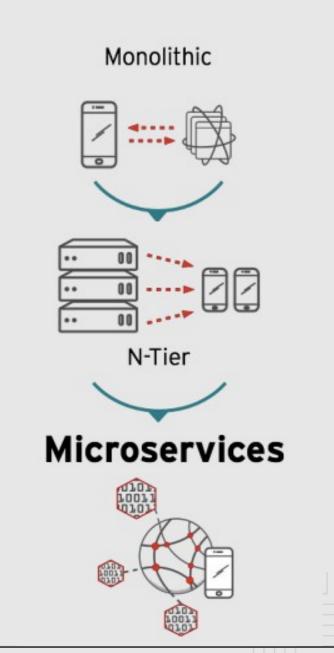
RED HAT® TRAINING





# Companies Must Evolve to Stay Ahead of Demands

Waterfall Agile **DevOps** 



**Application Architecture** 



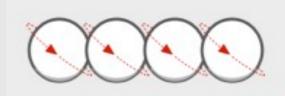
**Development** 

**Process** 





# Agile Transformation Project



### Focus on Collaboration

- Global enterprise requirements: Dev;
   Build; Network; Security; Ops
- Increase technology adoption

### Frequent Delivery

- Acceptation of changes
- Accelerate productivity

### RED HAT® CONSULTING

### Experienced Red Hat Team

- Global Agile Practice
- Technical Project Manager
- Cloud and Middleware Architects
- Cloud and Middleware Consultants
- Training Practice
- Support Team





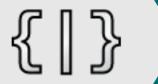


### Microservices



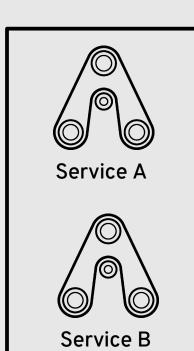
application







Refactoring to Microservices





Microservices application

### Microservices are:

- Small
- Highly decoupled,
- Focus on doing a small task,
- Communicating with each other using language-agnostic APIs





## Microservices with Red Hat JBoss Middleware



**Application Container Services** 

- JBoss Enterprise
   Application Platform
- JBoss Web Server / Tomcat
- JBoss Developer Studio



**Business Process Services** 

- Business ProcessManagement \*
- Business RulesManagement System \*



Integration Services

- Fuse
- A-MQ
- Data Virtualization



Mobile

**Services** 

- Red Hat Mobile / FeedHenry \*
  - = Coming Soon

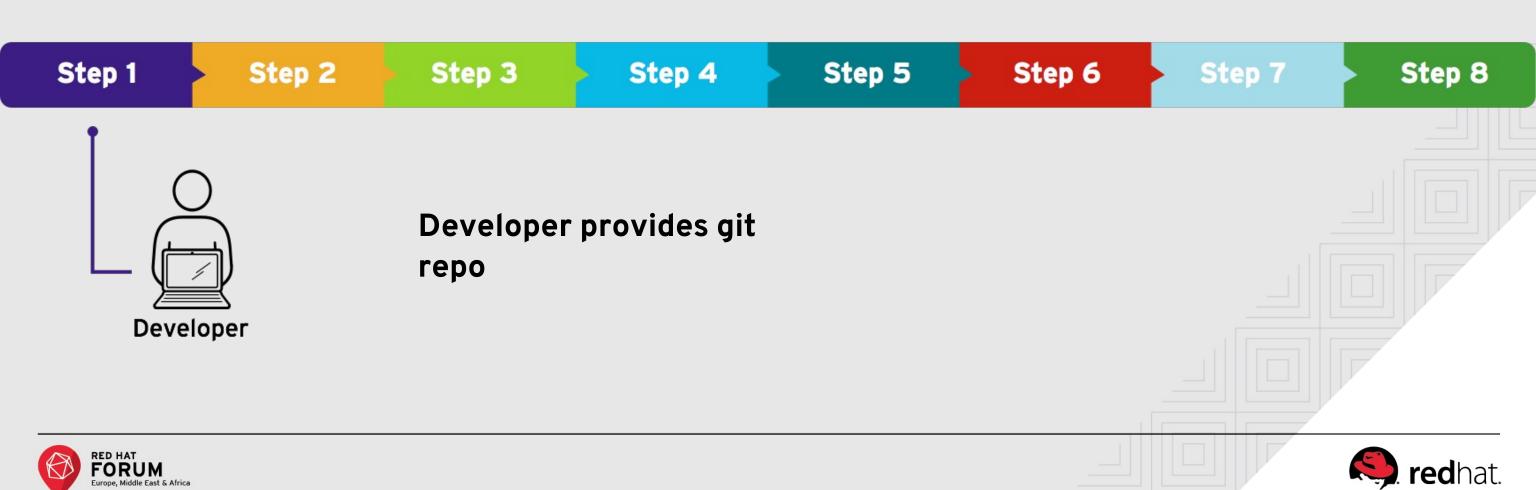


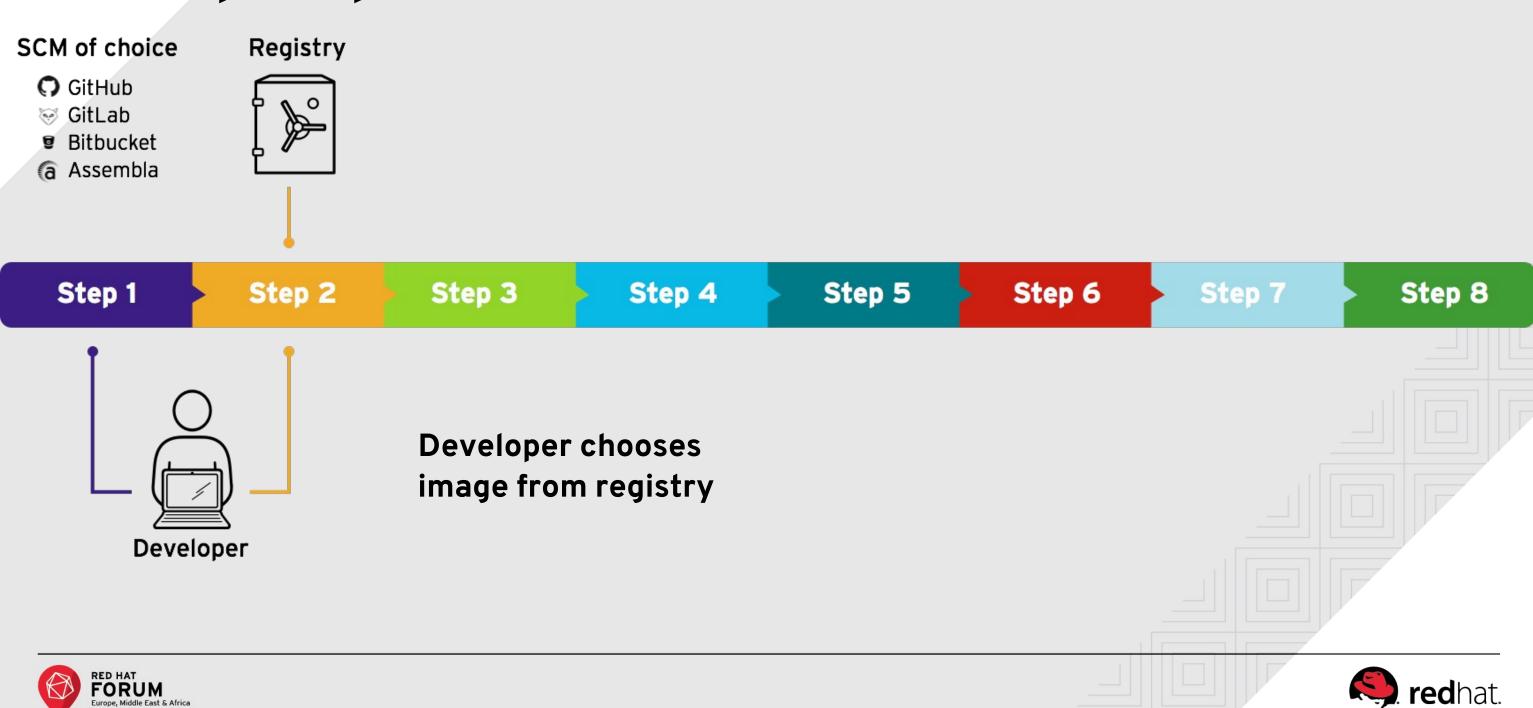


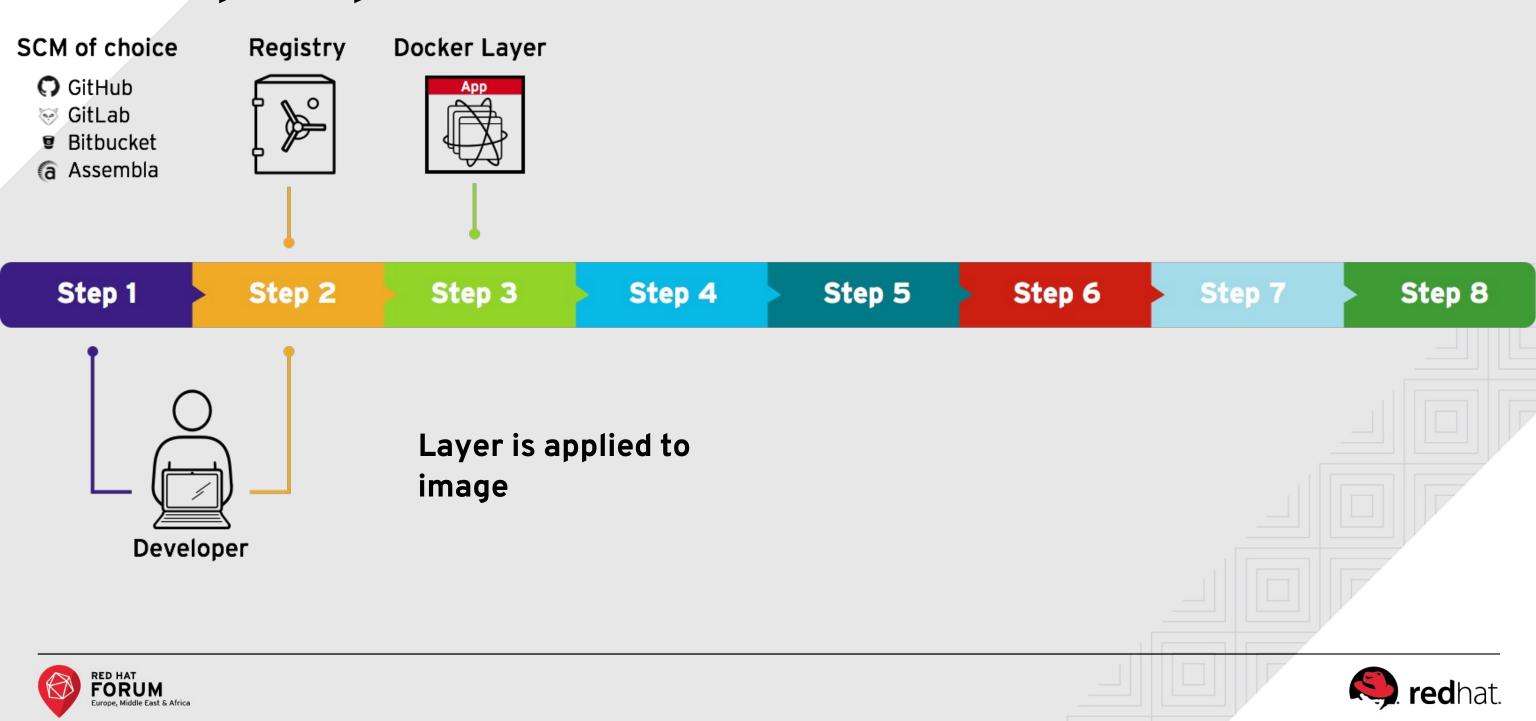


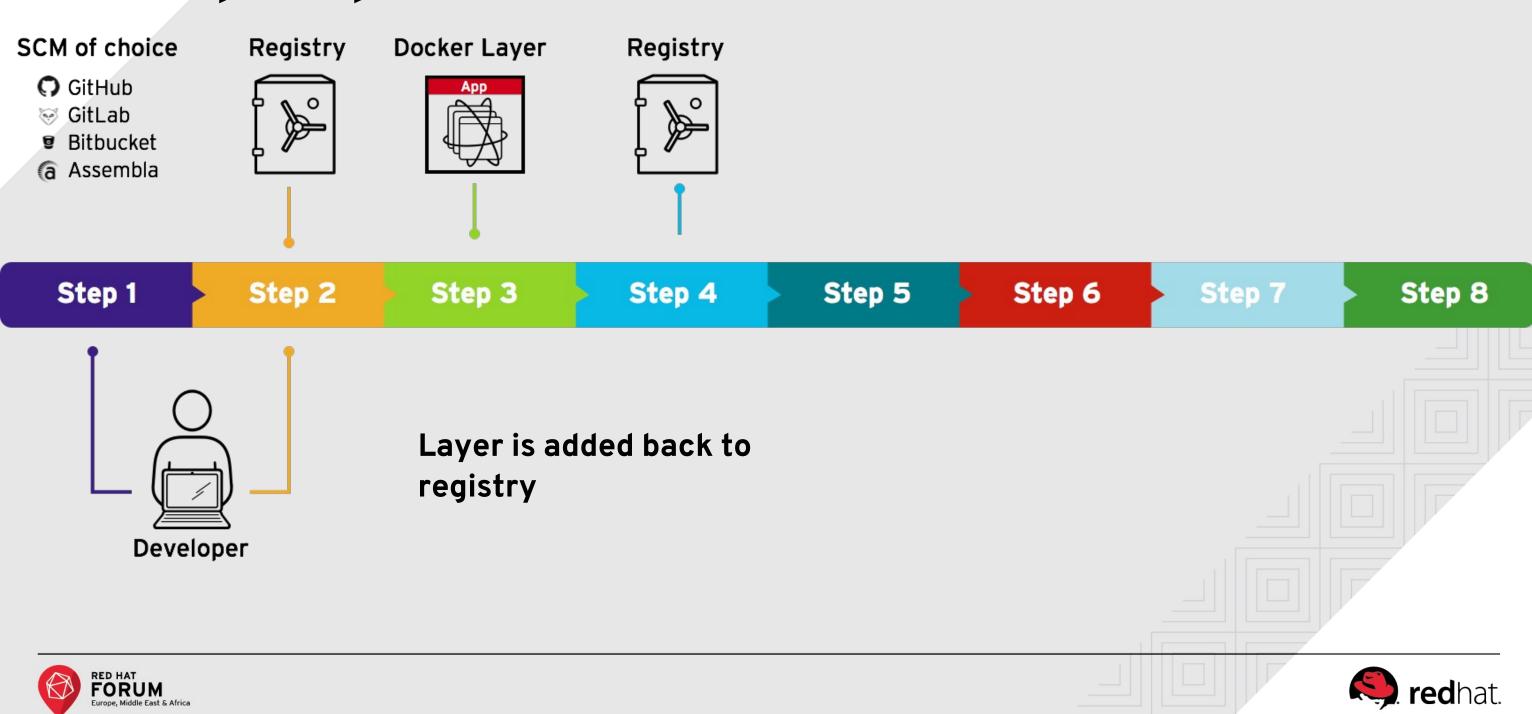
### SCM of choice

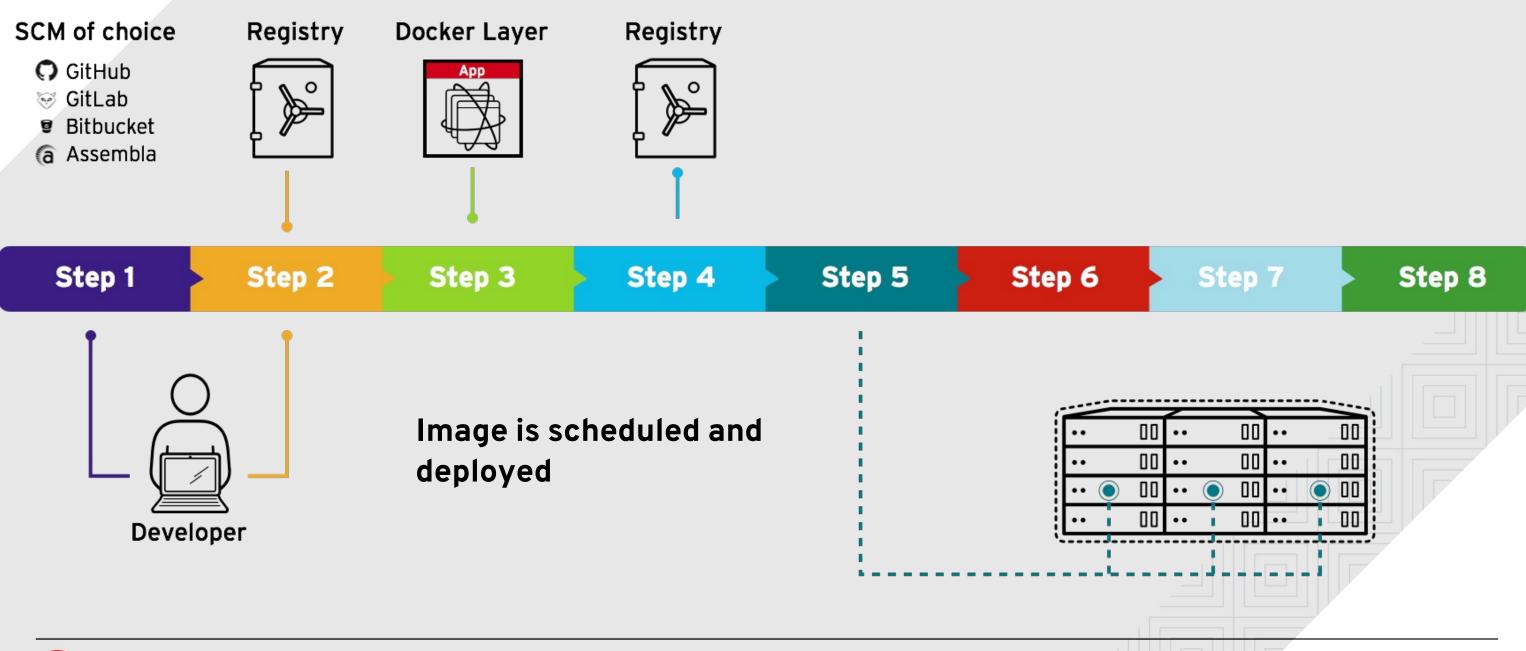
- GitHub
- Bitbucket
- Assembla





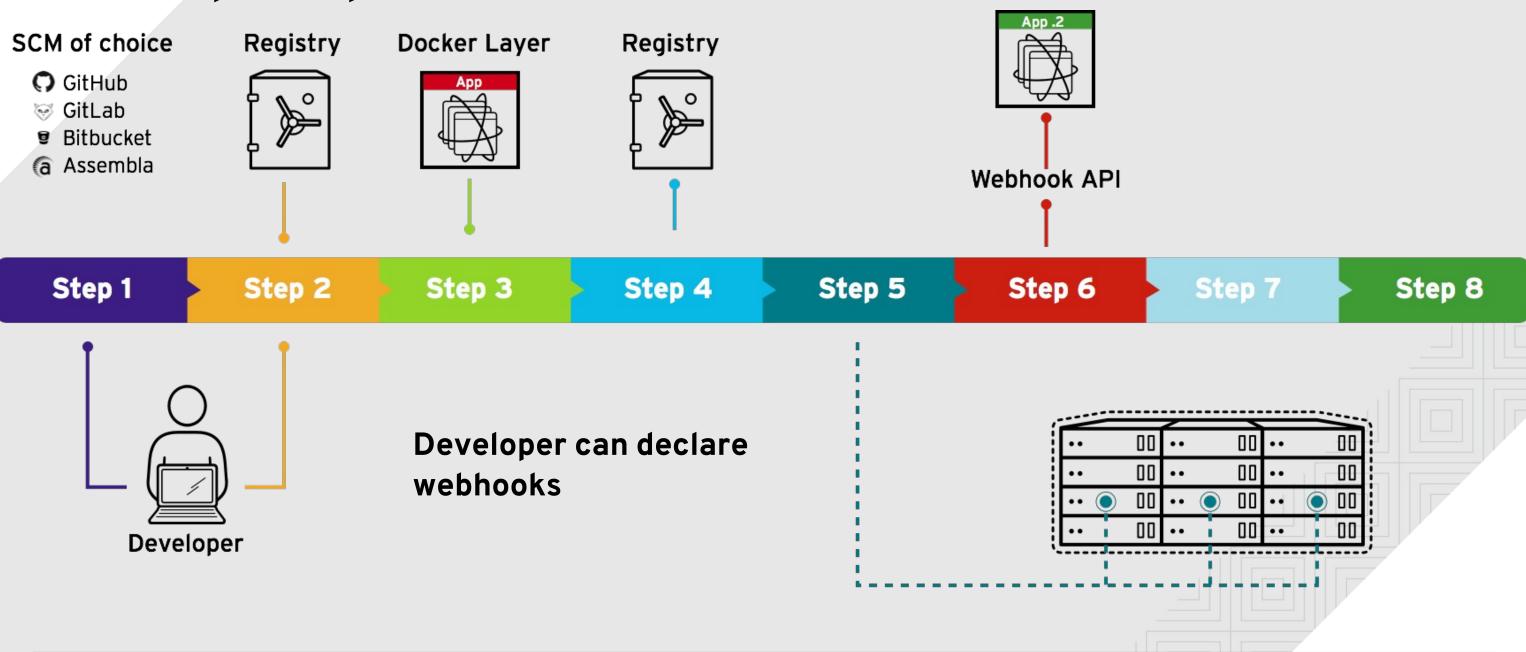






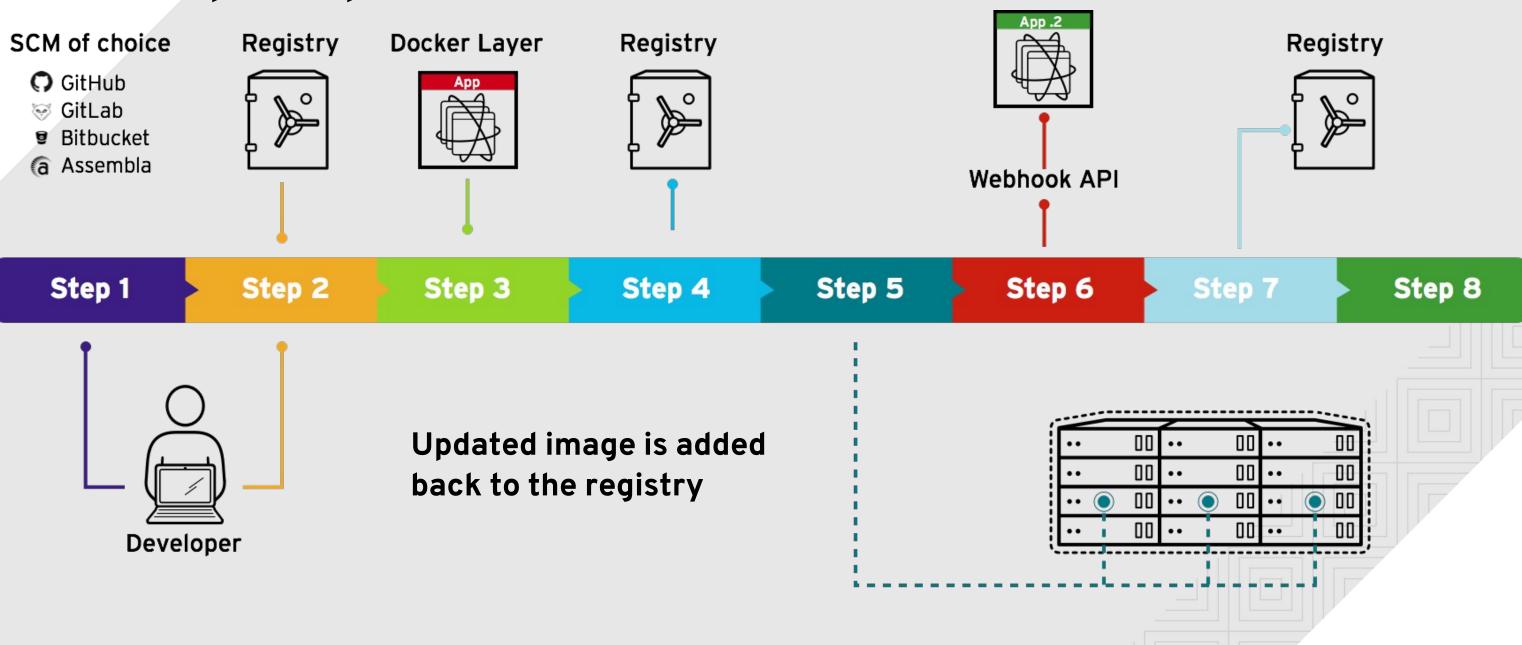






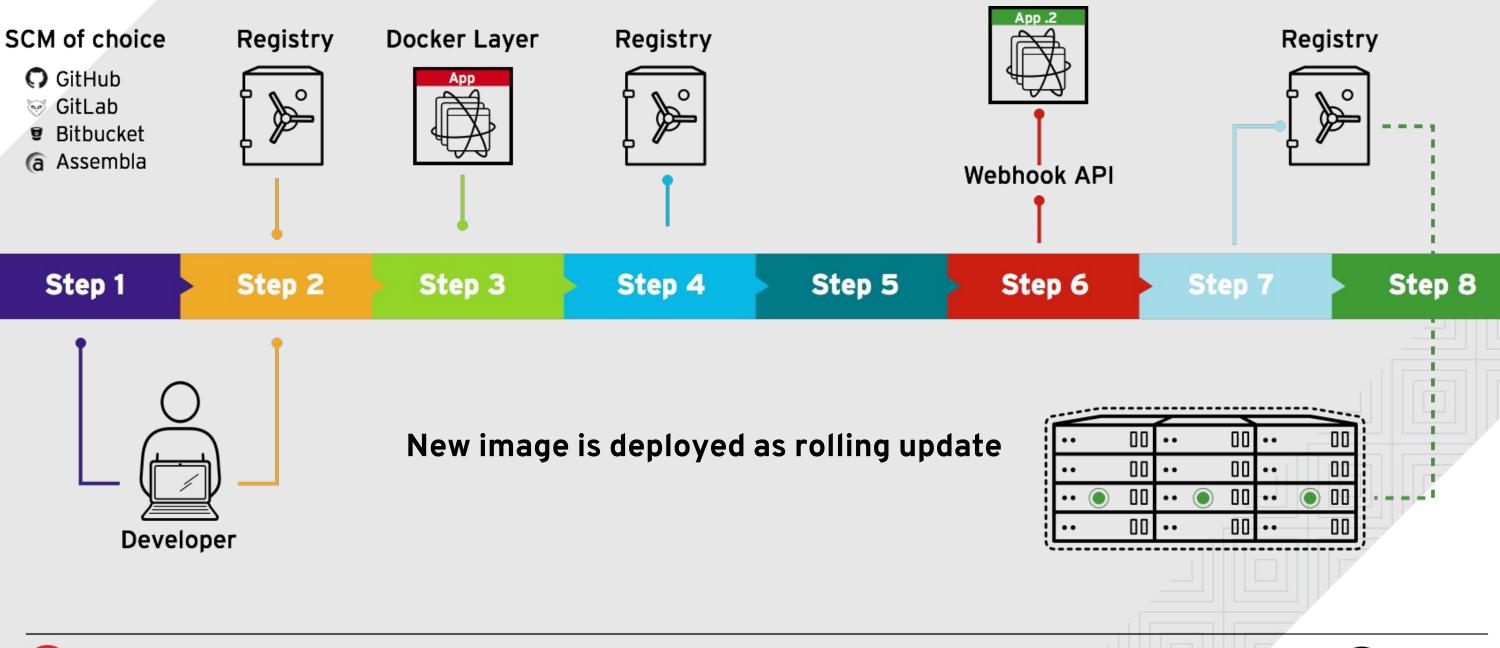








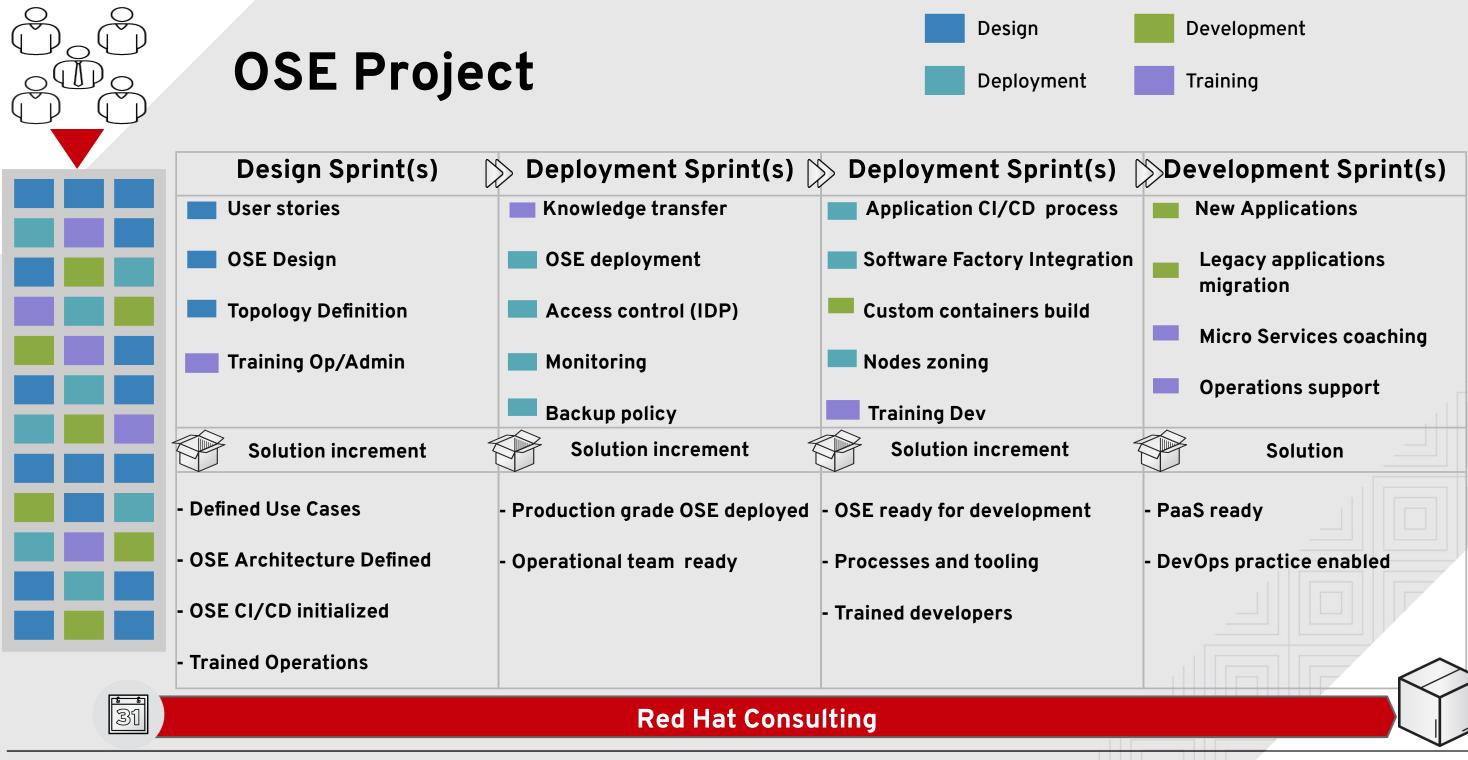
















# Red Hat Training

### **WAYS TO TRAIN**

### **CLASSROOM TRAINING**

Instructor-led training in a classroom environment

### **ON-SITE TEAM TRAINING**

Flexible, cost-effective team training at the customer's site.

### VIRTUAL CLASSROOM TRAINING

Instructor-led training in an online environment (VT).

### **RED HAT ONLINE LEARNING**

Self-paced, online learning (ROLE).

LAB-ONLY SESSIONS
Practice what you learned with LABs in the Cloud

### **TEST SKILLS & KNOWLEDGE**

### **CLASSROOM EXAMS**

Exams in a classroom environment in Red Hat's schedule.

### **ON-SITE EXAMS**

Flexible, cost-effective exams at the customer's site.





# Agile Development with OpenShift Enterprise by Red Hat (DO290)

This 3 days course immerses the student in a DevOps environment through the use of agile software development methodology

- Managing an Application with JBoss Developer Studio
- Introduction to Continuous Integration
- Integrating CI into OpenShift Enterprise
- Implementing CI for the Application
- Clustering the Bookstore Application
- Remote Debugging the Bookstore Application
- Deploying Custom Containers
- Creating a Custom Template





