



Pivotal®

Welcome!

Core Spring

Logistics

- Instructor introduction
- Students introductions
- Course registration
 - If needed
- Courseware
- Internet access
- Phones on silent
- Working hours
- Lunch and breaks
- Toilets/Restrooms
- Fire alarms
- Emergency exits
- Any other questions?



How You Will Benefit

- Learn to use Spring and Spring Boot for web and other applications
- Gain hands-on experience
 - Generous mixture of presentation and labs
- Access to experienced, certified instructors



Agenda

- Course Contents
- Spring and Pivotal



Course Agenda: Day 1

- Introduction to Spring
- Using Spring to configure an application
- Java-based dependency injection
- Annotation-based dependency injection and component-scanning
- Spring FactoryBeans



Course Agenda: Day 2

- Inside the Spring Container
 - Bean Lifecycle and its related Post Processors
- Adding behavior to an application using aspects (AOP)
- Testing a Spring-based application using profiles
- Simplifying JDBC-based data access
- Driving database transactions in a Spring environment



Course Agenda: Day 3

- Spring Boot Introduction
- Spring Boot - Closer Look
- Using JPA and Spring Data Repositories
- Building a Spring MVC Application (REST-focused)



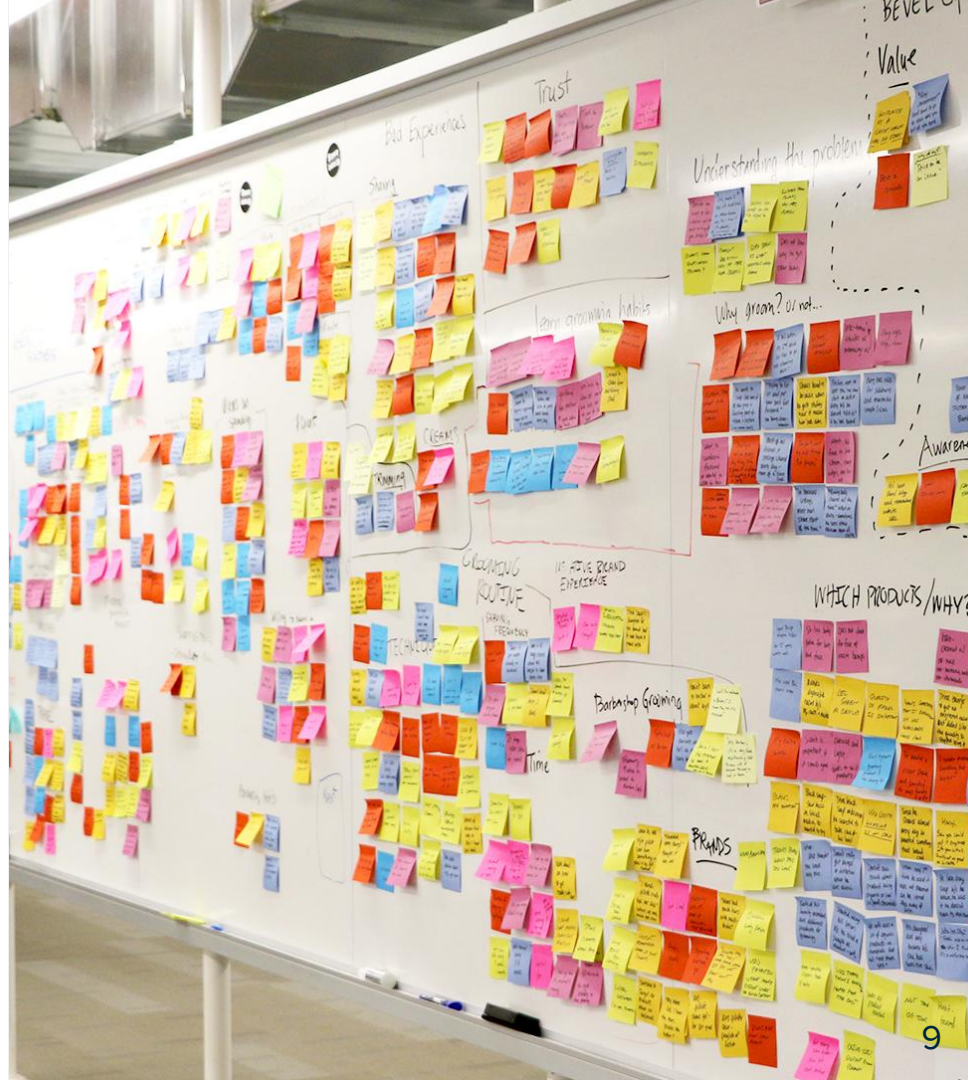
Course Agenda: Day 4

- Implementing a Complete REST Server
- Securing web applications with Spring Security
- Spring Boot Actuator
- Spring Boot's Testing Support



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*Transforming how
the world builds
software*

Spring @Pivotal

- SpringSource, the company behind Spring
 - acquired by VMware in 2009
 - transferred to Pivotal joint venture 2013
- Spring projects key to Pivotal's business strategy
 - Cloud Foundry PaaS
 - Deploy to private, public, hybrid clouds
 - Microservices, Spring Cloud
 - Real-time analytics, IoT
 - Spot trends as they happen
 - Spring Data, Spring Hadoop, Spring Cloud Data Flow



Pivotal Platform

Cloud Foundry

Cloud Independence
Microservices
Continuous Delivery
Dev Ops



CLOUD FOUNDRY



Development

Frameworks
Services
Analytics



Pivotal
Tracker

Big Data

High Capacity
Real-time Ingest
SQL Query
Scale-out Storage



GREENPLUM

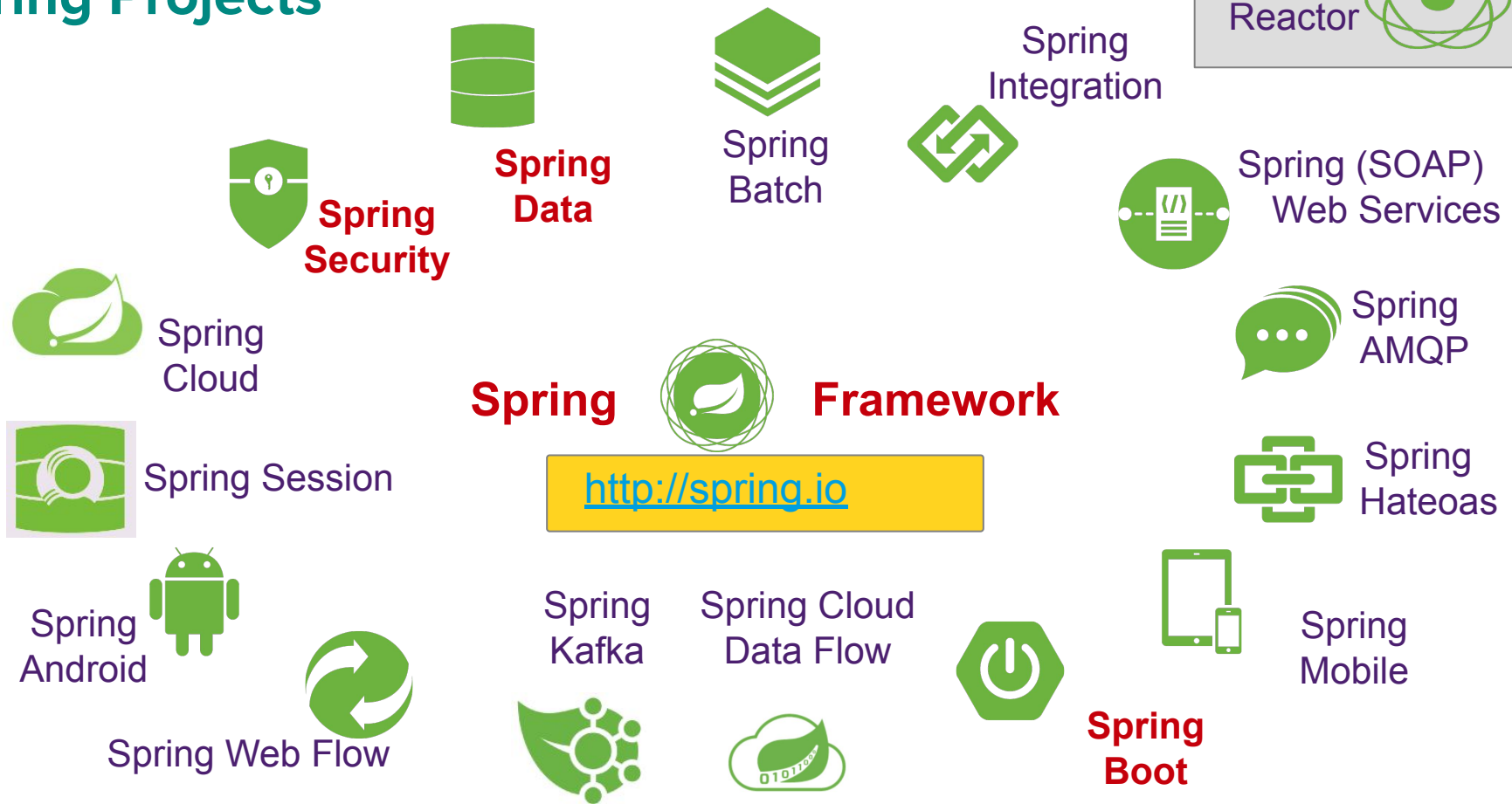
GEMFIRE®



Pivotal Labs

Working with clients to build better apps more quickly

Spring Projects



Covered in this section

- Agenda
- Spring and Pivotal

Let's get on with the course..!

