

Lesson 1: Introduction to Spring Platform and environment

Basic Spring 5.0



Lesson Objectives

In this lesson , you will learn about

- Introduction to Spring
- Spring 5 New Features
- Spring Projects at a glance
- Spring IO Platform
 - Spring Framework
 - Spring Boot



1.1 Introduction to Spring



- Comprehensive infrastructure support for developing Java applications with development tools.
- Benefit of Spring
 - Simplicity
 - Testability
 - Loose Coupling
- Automation of deployment
 - Convention over configuration
 - Services to enable a cohesive technology for the businesses

1.2 Spring 5 New Features

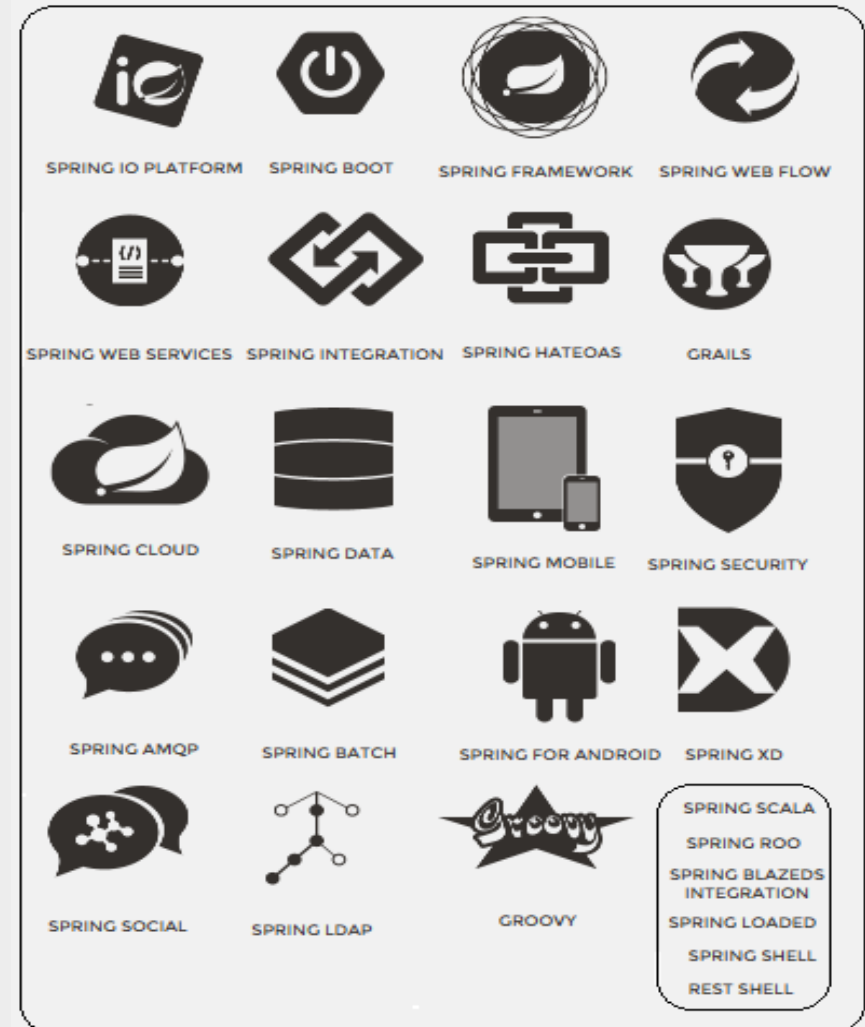


- Baseline Upgrade
- Reactive Programming Support
- A functional web framework
- Kotlin Support
- Dropped Features
 - Portlet
 - Velocity
 - JasperReports
 - XMLBeans
 - JDO
 - Guava



1.3 Spring Projects At a Glance

- Modular in nature
- Simple Configuration
- High Security
- Connectivity to Big Data
- Development of Web apps
- Connectivity to cloud services
- Integration with any framework.



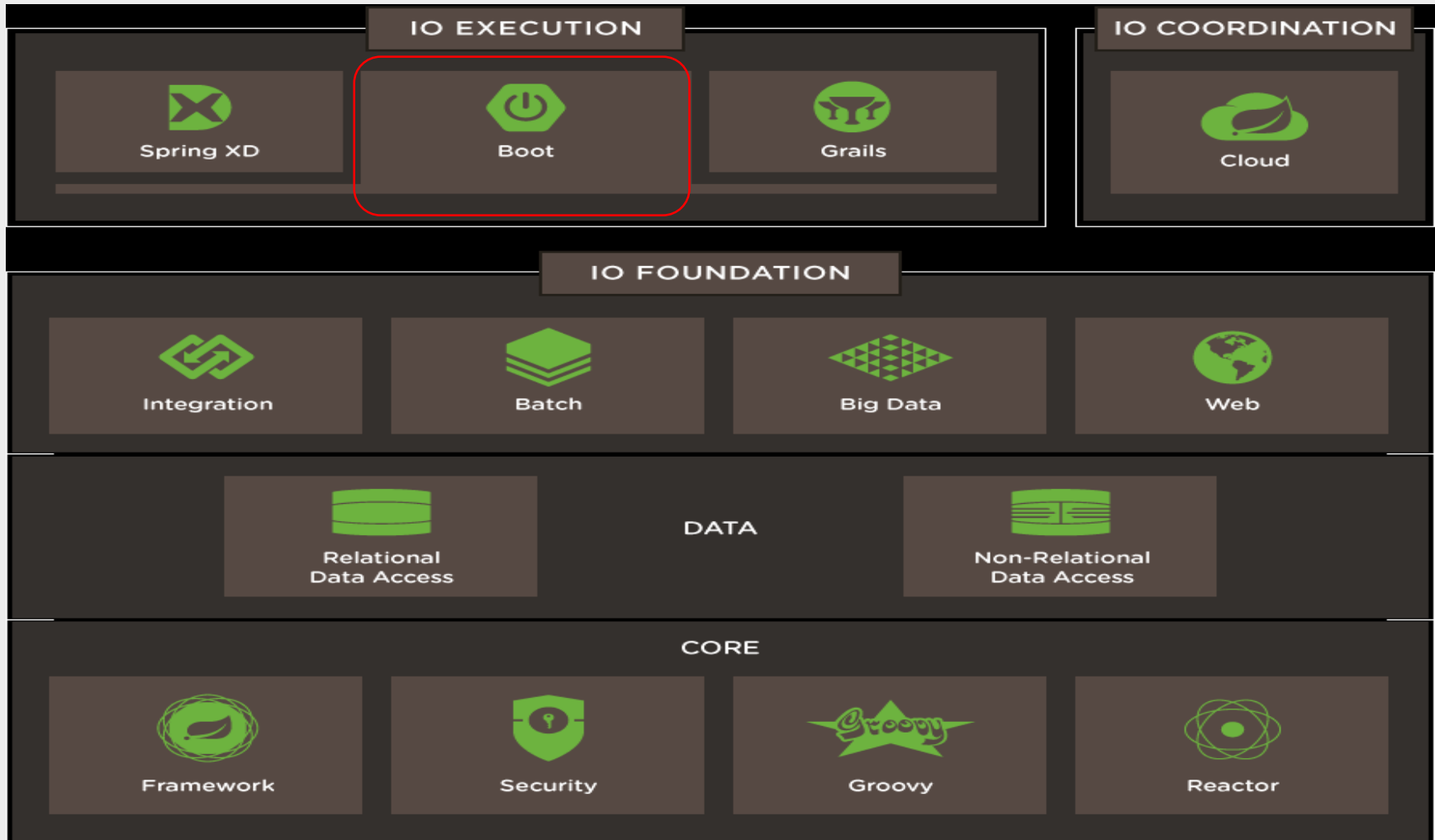


1.4 Spring IO Platform

- Cohesive platform for modern applications.
- Spring IO Platform has 3 layers:
 - Foundation layer
 - Coordination layer
 - Execution layer



1.4 Spring IO Platform



1.4.1 Spring Framework



- Open source framework
- Enterprise application development
- Lightweight
- Simple
- Testing
- Loose coupling

1.4.2 Spring Boot



■ Spring Boot features:

- Spring Starters
- Auto Configuration
- CLI Support
- Actuator Support
- YAML and Properties
- Cloudfier
- Embedded Tomcat Server
- Layered Architecture
- Faster and Smarter

Lesson Summary



In this lesson, you have learnt about

- What is Spring and why spring?
- List of spring projects
- Spring IO platform
- Overview of Spring Framework and Spring Boot



Review Questions



- Question 1: Spring IO _____ layer provides API to connect to cloud services
 - Option 1: Foundation
 - Option 2: Coordination
 - Option 3: Execution
- Question 2: Spring Boot reduces the effort needed to create production-ready, DevOps-friendly, XML-free Spring applications.
 - Option 1: True
 - Option 2: false

