**Training**

Spring Boot and Spring Concepts

**Prerequisite**

* Sound Knowledge of Core Java
* Spring Framework Basics

**Duration:**

16 hours(2 days)

**Day 1:**

**Forenoon: 4 hours**

* Java 8 Installation and Notable Features
* IntelliJ IDE
* Spring Dependency Injection and IOC
* Java Based configuration for Dependency Injection
* Maven Basics
* Creating a Maven application
* Understanding POM.xml

**Afternoon: 4hours**

* Understanding Microservices Architecture
* First Spring boot application
* Understanding YAML
* Understanding application.properties
* Creating a MVC application using Spring Boot

**Day2:**

**Forenoon: 4 hours**

* Creating Rest Services using Spring boot
* Process JSON using Jackson Library
* Processing XML
* Spring Data JPA and creating JPA repositories
* Testing the rest services

**Afternoon: 4 hours**

* Security Basics
* Imposing security on rest services
* Cloud Deployment, Pivotal Cloud foundry
* Integration Testing
* Deployment in DockerContainer