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PROJECTS (HTTP://PROJECTS.SPRING.IO)

Spring Framework (http://github.com/spring-projects/spring-framework)

Core support for dependency injection, transaction management, web applications, data access, messaging, testing and more.

QUICK START

(http://github.com/spring-projects/spring-framework)

Introduction

The Spring Framework provides a comprehensive programming and configuration model for modern Java-based enterprise applications - on any kind of deployment platform. A key element of Spring is infrastructural support at the application level: Spring focuses on the "plumbing" of enterprise applications so that teams can focus on application-level business logic, without unnecessary ties to specific deployment environments.

Features

- Dependency Injection
- Aspect-Oriented Programming including Spring's declarative transaction management
- Spring MVC web application and RESTful web service framework
- Foundational support for JDBC, JPA, JMS
- Much more...

All avaible features and modules are described in the Modules section of the reference documentation (http://docs.spring.io/spring-framework/docs/current/spring-framework-reference/html/overview.html#overview-modules). Their maven/gradle coordinates are also described there (http://docs.spring.io/spring-framework/docs/current/spring-framework-reference/html/overview.html#dependency-management).

Minimum requirements

- JDK 6+ for Spring Framework 4.x
- JDK 5+ for Spring Framework 3.x

Quick Start

1 of 4 Download 4.1.5 \equiv MAVEN GRADLE

Spring Framework DOCUMENTATION RELEASE 4.2.0 Reference (http://docs.spring.io /spring /docs/4.2.0.BUILD-SNAPSHOT/springframeworkreference /htmlsingle/) API (http://docs.spring.io /spring /docs/4.2.0.BUILD-**SNAPSHOT** /javadoc-api/) 4.1.5 Reference (http://docs.spring.io /spring /docs/current /spring-frameworkreference /htmlsingle/) (http://docs.spring.io /spring /docs/current 0371072015 09:28 PM

Spring Framework

The recommended way to get started using spring-framework in your project is with a dependency management system – the snippet below can be copied and pasted into your build. Need help? See our getting started guides on building with Maven (http://spring.io/guides/gs/maven/) and Gradle (http://spring.io/guides/gs/gradle/).

Spring Framework includes a number of different modules. Here we are showing spring-context which provides core functionality. Refer to the getting started guides on the right for other options.

Once you've set up your build with the spring-context dependency, you'll be able to do the following:

hello/MessageService.java

```
package hello;

public interface MessageService {
    String getMessage();
}
```

hello/MessagePrinter.java

```
package hello;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Component;

@Component
public class MessagePrinter {
    final private MessageService service;

    @Autowired
    public MessagePrinter(MessageService service) {
        this.service = service;
    }

    public void printMessage() {
        System.out.println(this.service.getMessage());
    }
}
```

hello/Application.java

http://pfojects.springfiofespring-framework/ (http://docs.spring.io /spring /docs/4.0.9.RELEASE /spring-frameworkreference /htmlsingle/) API (http://docs.spring.io /spring /docs/4.0.9.RELEASE /javadoc-api/) 3.2.13 Reference (http://docs.spring.io /spring /docs/3.2.13.RELEASE /spring-frameworkreference/htmlsingle/) (http://docs.spring.io /spring /docs/3.2.13.RELEASE /javadoc-api/)

Getting Started Guides

Building a RESTful Web Service (http://spring.io/guides/gs/rest-service)

Consuming a RESTful Web Service (http://spring.io/guides /gs/consuming-rest)

Managing Transactions (http://spring.io/guides/gs/managing-transactions)

Accessing Relational Data using JDBC with Spring (http://spring.io/guides/gs/relational-data-access)

Scheduling Tasks (http://spring.io/guides/gs/scheduling-tasks)

Serving Web Content (http://spring.io/guides/gs/serving-web-content)

Validating Form Input (http://spring.io/guides/gs/validating-form-input)

Messaging with JMS (http://spring.io/guides/gs/messaging-jms)

Tutorials

Designing and Implementing RESTful Web Services with Spring (http://spring.io/guides/tutorials/rest)

Screencasts

How to create a RESTful app in five minutes or less (http://spring.io/blog/2014/11/20/screencast-how-to-create-a-restful-app?)/10/15/2015/9:28 PM or-less)

```
import org.springframework.context.ApplicationContext;
import org.springframework.context.annotation.*;
@Configuration
@ComponentScan
public class Application {
    @Bean
    MessageService mockMessageService() {
        return new MessageService() {
            public String getMessage() {
              return "Hello World!";
            }
        };
    }
  public static void main(String[] args) {
      ApplicationContext context =
          new AnnotationConfigApplicationContext(Application.class);
      MessagePrinter printer = context.getBean(MessagePrinter.class);
      printer.printMessage();
  }
}
```

Engineering Talks

Introduction to Spring Framework 3.1 (Part 2) (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC181/VN/about)

Introduction to Spring Framework 3.1 (Part 4 and Q&A) (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC183/VN/about)

Introduction to Spring Framework 3.1 (Part 3) (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC184/VN/about)

Modern Enterprise Java Architectures with Spring 3.1 (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC215/VN/about)

Designing a REST-ful API using Spring 3 (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC239/VN/about)

Webinar: Spring Framework 3.2 - Themes and Trends (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC248/VN/about)

An Introduction to Broadleaf Commerce: A Spring-enabled E-Commerce Framework (https://pivotallms.biglms.com/courses /PivotalAcademy/SDC251/VN/about)

Webinar: Testing Web Applications with Spring 3.2 (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC266/VN/about)

Webinar: Building REST-ful services with Spring (https://pivotallms.biglms.com /courses/PivotalAcademy/SDC301 /VN/about)

Webinar: Building WebSocket Browser Applications with Spring (https://pivotallms.biglms.com/courses /PivotalAcademy/SDC311/VN/about)

Webinar: Modern Component Design with Spring (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC314/VN/about)

Building Your Java Configuration Muscle Memory (https://pivotallms.biglms.com /courses/PivotalAcademy/SDC328 /VN/about)

Webinar: Spring with Immutability (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC332/VN/about)

Spring Testing (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC335/VN/about)

Webinar: Introduction to Spring Framework 4.0 (https://pivotallms.biglms.com/courses /PivotalAcademy/SDC336/VN/about)

Webinar: Spring Framework 4 on Java 8 (https://pivotallms.biglms.com/courses /PivotalAcademy/SDC357/VN/about)

Multi Environment Spring Applications (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC365/VN/about)

The Pitfalls Of Building Large Scale Applications (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC383/VN/about)

Webinar: Documenting RESTful APIs (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC457/VN/about)

Introduction to Spring Framework 3.1 (Part 1) (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC182/VN/about)

What's new in Spring MVC 3.2 (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC235/VN/about)

Webinar: Lessons Learned Moving from GWT to Spring MV03/10/2015 09:28 (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC300/VN/about) PM

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Thymeleaf: improving your Spring view layer with natural templates (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC352/VN/about)

Toronto SUG Meetup: Using Spring Framework 4.0 and Java 8 (https://pivotallms.biglms.com/courses /PivotalAcademy/SDC393/VN/about)

REST-ful API Evolution (https://pivotallms.biglms.com/courses /PivotalAcademy/SDC400/VN/about)

Running Your Spring Apps in the Cloud (https://pivotallms.biglms.com/courses/PivotalAcademy/SDC421/VN/about)

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http://projects.spring.io/spring-framework/

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