

Spring IO Platform

再考

JSUG 勉強会 2018/04/18 LT

ickeyat

自己紹介

- JSUGスタッフ
- 某Slerでソフトウェアアーキテクト

(実態は管理業務多め・・・)

Spring IO Platformとは？

Spring IO platform



Spring IO is a cohesive, versioned platform for building modern applications. It is a modular, enterprise-grade distribution that delivers a curated set of dependencies while keeping developers in full control of deploying only the parts they need. Spring IO is 100% open source, lean, and modular.

<http://platform.spring.io/platform/>

- Springが、各Springプロジェクトおよび3rd-partyライブラリの推奨バージョン組み合わせを提供
- 利用者は必要な3rd-partyライブラリだけをピックアップできる

Spring IO Platformとは？

pom.xml

```
<dependencyManagement>
  <dependencies>
    <dependency>
      <groupId>io.spring.platform</groupId>
      <artifactId>platform-bom</artifactId>
      <version>Cairo-RELEASE</version>
      <type>pom</type>
      <scope>import</scope>
    </dependency>
  </dependencies>
</dependencyManagement>
```

...

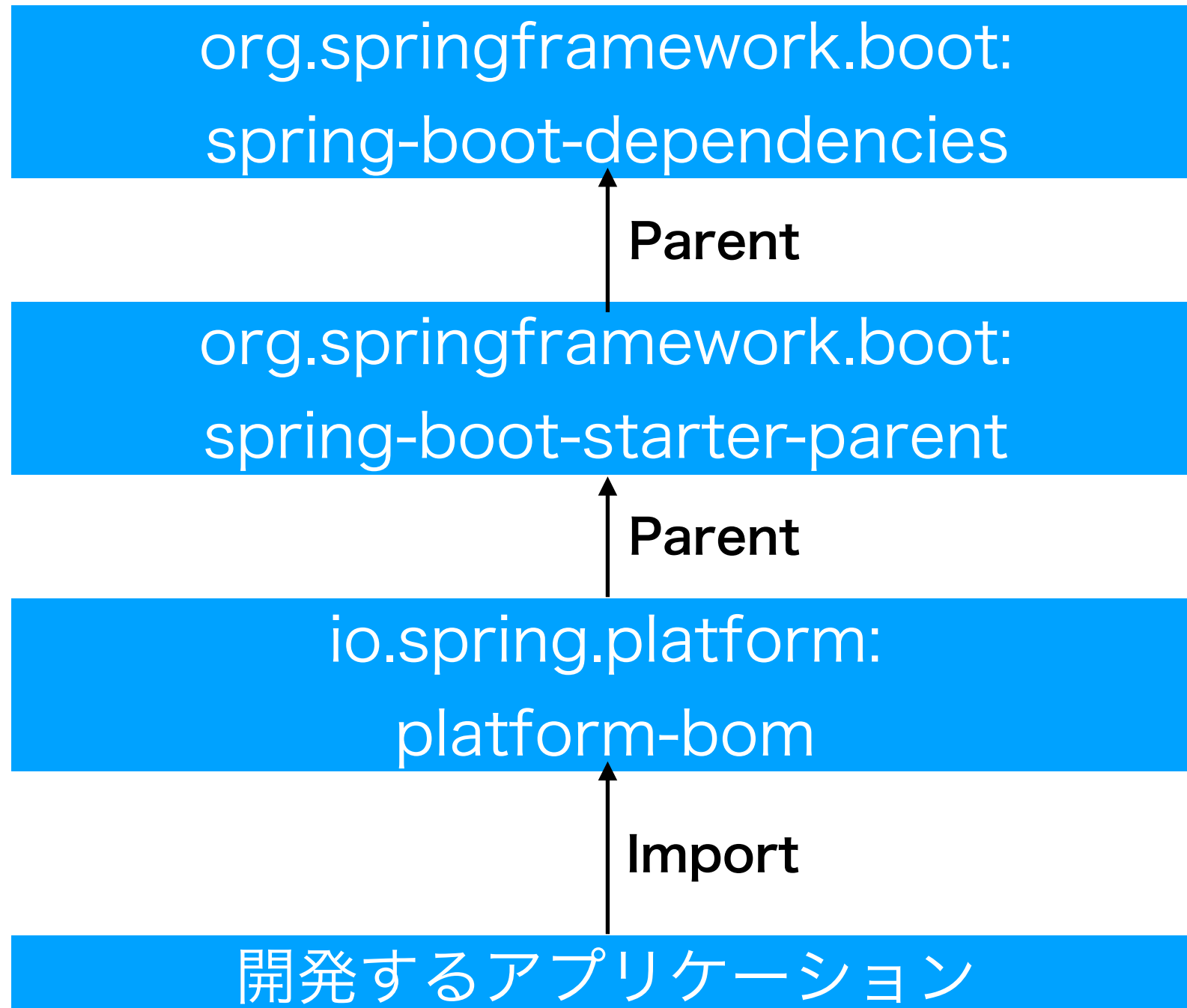
```
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-core</artifactId>
</dependency>
```

Spring IO Platformの利用、
使用するリリーストレイン（バー
ジヨン組み合わせの版）を宣言

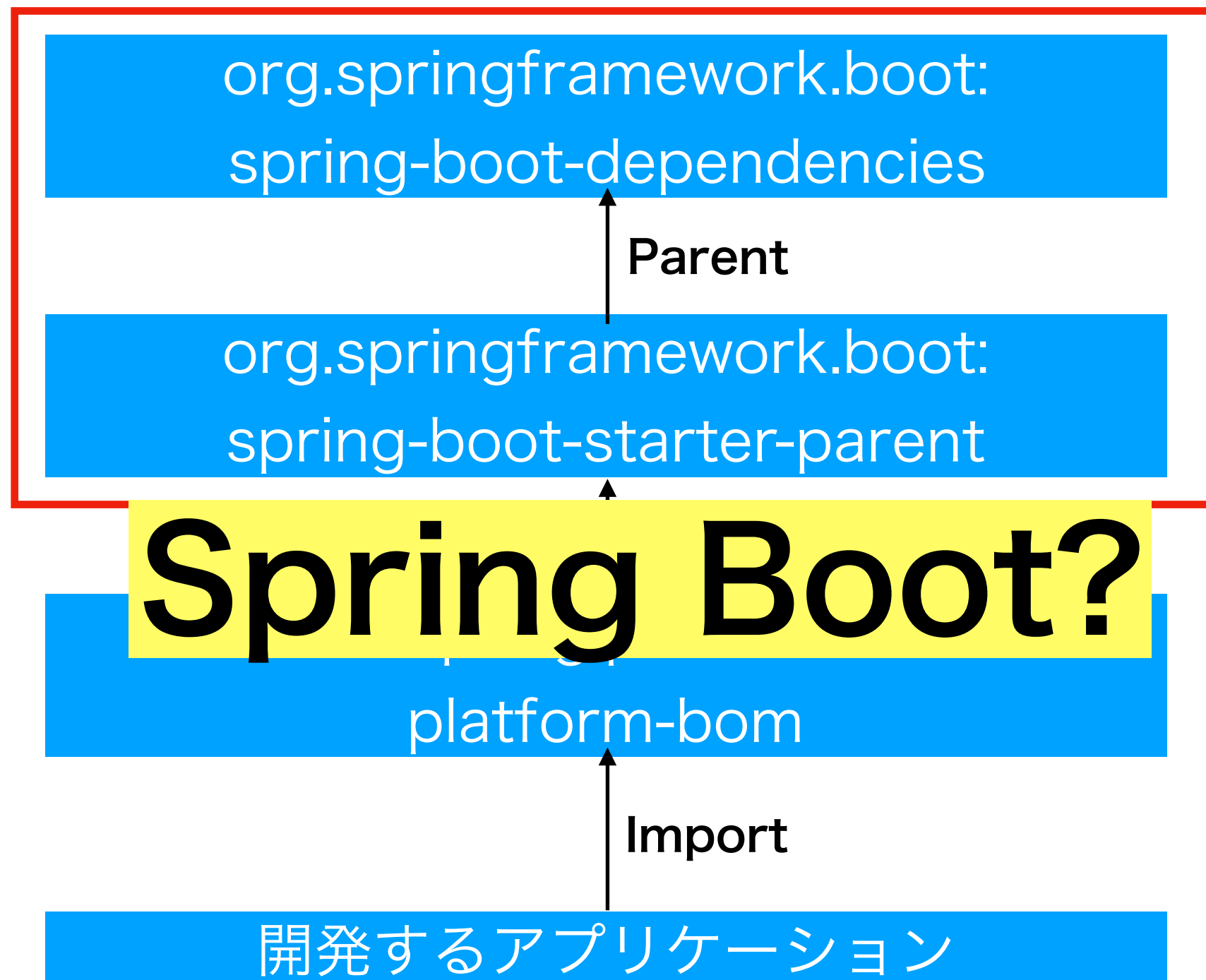
Cairo-RELEASEにおけ
る推奨バージョン
5.0.5が自動的に選定

<http://platform.spring.io/platform/>

Spring IO Platformとは？



Spring IO Platformとは？



Spring Boot Dependencies

- Spring Bootが、各Springプロジェクトおよび3rd-partyライブラリの推奨バージョン組み合わせを提供
- 利用者は必要な3rd-partyライブラリだけをピックアップできる

デジャブ . . .

IO PF v.s. Boot Deps

何が違う？ どのような関係？

何でBoot Depsが親？

→ 比較してみた

IO PF v.s. Boot Deps

①管理対象のライブラリ数

IO PF > Boot Deps

699 > 531

Boot Depsが管理する3rd-party
ライブラリに $+\alpha$ のライブラリを追加している

<https://mvnrepository.com/artifact/io.spring.platform/platform-bom/Cairo-RELEASE>

<https://mvnrepository.com/artifact/org.springframework.boot/spring-boot-dependencies/2.0.1.RELEASE>

IO PFが追加するライブラリの例1

```
<spring-security-jwt.version>1.0.9.RELEASE</spring-security-jwt.version>  
<spring-security-oauth.version>2.2.1.RELEASE</spring-security-  
oauth.version>  
<spring-social.version>1.1.6.RELEASE</spring-social.version>  
<spring-social-twitter.version>1.1.2.RELEASE</spring-social-twitter.version>  
<spring-web-flow.version>2.5.0.RELEASE</spring-web-flow.version>  
...  
<commons-beanutils.version>1.9.3</commons-beanutils.version>  
<commons-cli.version>1.4</commons-cli.version>  
<commons-collections.version>3.2.2</commons-collections.version>  
<commons-fileupload.version>1.3.3</commons-fileupload.version>  
<commons-io.version>2.6</commons-io.version>  
<commons-httpclient.version>3.1</commons-httpclient.version>  
<commons-lang.version>2.6</commons-lang.version>  
<commons-logging.version>1.2</commons-logging.version>
```

<http://central.maven.org/maven2/io/spring/platform/platform-bom/Cairo-RELEASE/platform-bom-Cairo-RELEASE.pom>

IO PFが追加するライブラリの例2

```
<javax-batch.version>1.0.1</javax-batch.version>  
<javax-cdi.version>1.2</javax-cdi.version>  
<javax-ejb.version>3.2.2</javax-ejb.version>  
<javax-el.version>3.0.1-b04</javax-el.version>  
<javax-enterprise-concurrent.version>1.0</javax-enterprise-  
concurrent.version>  
<javax-faces.version>2.2</javax-faces.version>  
<javax-inject.version>1</javax-inject.version>  
<javax-interceptor.version>1.2.2</javax-interceptor.version>  
<javax-jax-rs.version>2.0.1</javax-jax-rs.version>  
<javax-jax-ws.version>2.3.0</javax-jax-ws.version>  
<javax-jsp.version>2.3.2-b02</javax-jsp.version>  
<javax-jstl.version>1.2.1</javax-jstl.version>  
...  
<tiles.version>3.0.8</tiles.version>
```

<http://central.maven.org/maven2/io/spring/platform/platform-bom/Cairo-RELEASE/platform-bom-Cairo-RELEASE.pom>

IO PF v.s. Boot Deps

②テスト内容の違い

IO PF:

各springプロジェクトと各ライブラリの
互換性テスト

Boot Deps(Boot本体):

Spring Bootと各ライブラリの結合テスト

IO PFテスト実行例

Build dashboard / Spring IO Platform / Compatibility
Build #791 master

Job: Default Job was successful

17,880件

Test results

17,880 tests in total + 1 test was fixed 176 tests were quarantined / skipped 20 minutes taken in total.

Failed tests Successful tests (17704)

The following 17,704 tests have passed: 1 test were fixed since the last build.

Show all tests on one page

Fixed tests 1

Test	Duration
AsyncTaskletStepTests testStepExecutionUpdates	< 1 sec

All successful tests

Test	Duration
AsyncRabbitTemplateTests testConvert3Args	< 1 sec
AsyncRabbitTemplateTests testConvert4Args	< 1 sec
AsyncRabbitTemplateTests testConvertWithConfirm	2 secs
AsyncRabbitTemplateTests testConvertWithConfirmDirect	1 sec
AsyncRabbitTemplateTests testMessage1Arc	< 1 sec

各Springモジュール
のjunitを実行

<https://build.spring.io/build/result/viewBuildResultsTests.action?pageIndex=1&buildKey=PLATFORM-COM-JOB1&pageSize=50&buildNumber=791>

IO PF v.s. Boot Deps

③なぜBoot Depsが親？

(IO PFコミッタから聞いたうる覚え情報)

- Spring Bootが先行リリースしていた
 - Spring Boot 1.0.0.RELEASE: 2014/4
 - Spring IO PF 1.0.0.RELEASE: 2014/6
- Spring Bootの方がリリース頻度が多い
- Spring Bootのバージョンセットとの整合性

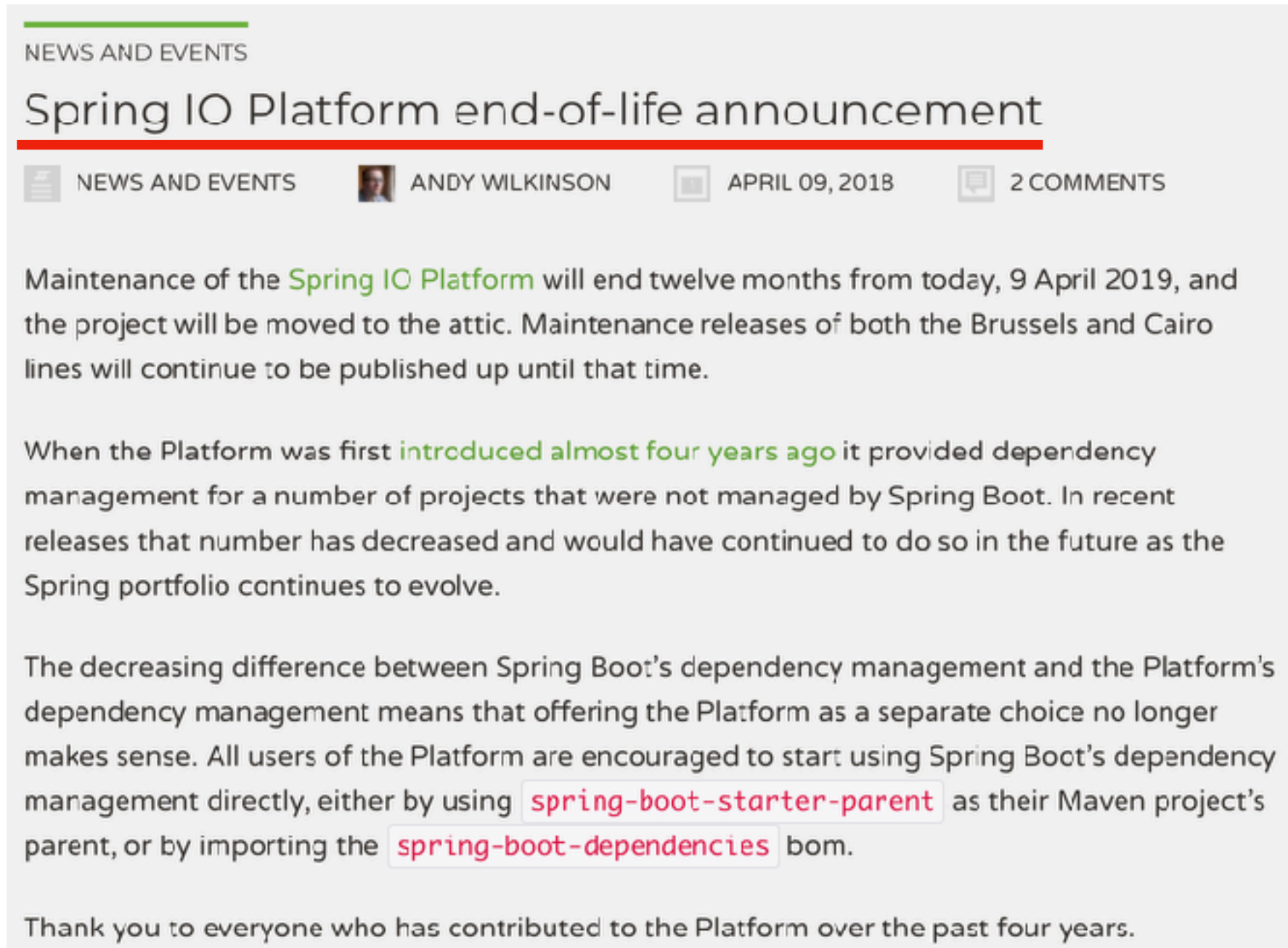
Spring IO Platformまとめ

- 互換性テストの安心感を提供
- 非Spring Boot、
JSP等のJavaEE利用時への配慮
- commons系などUtil系ライブラリも
カバー

Boot Deps + α として

Bootユーザーにも恩恵を授けている

(発表後記) 本LTのきっかけ



NEWS AND EVENTS

Spring IO Platform end-of-life announcement

NEWS AND EVENTS ANDY WILKINSON APRIL 09, 2018 2 COMMENTS

Maintenance of the **Spring IO Platform** will end twelve months from today, 9 April 2019, and the project will be moved to the attic. Maintenance releases of both the Brussels and Cairo lines will continue to be published up until that time.

When the Platform was first **introduced almost four years ago** it provided dependency management for a number of projects that were not managed by Spring Boot. In recent releases that number has decreased and would have continued to do so in the future as the Spring portfolio continues to evolve.

The decreasing difference between Spring Boot's dependency management and the Platform's dependency management means that offering the Platform as a separate choice no longer makes sense. All users of the Platform are encouraged to start using Spring Boot's dependency management directly, either by using `spring-boot-starter-parent` as their Maven project's parent, or by importing the `spring-boot-dependencies` bom.

Thank you to everyone who has contributed to the Platform over the past four years.

<https://spring.io/blog/2018/04/09/spring-io-platform-end-of-life-announcement>

Spring IO Platformの $+\alpha$ の価値、意味を
改めて確認し、EOLへの課題感を共有したかった