

MATT @ 2016

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# SOFTLEADER FRAMEWORK

What's new this year?



<https://github.com/softleader>

## softleader-framework Private

SoftLeader Framework is the core platform of softleader's projects

● Java ★ 2 Updated 7 days ago



## softleader-framework-docs

SoftLeader Framework reference documentation

● Java ★ 2 Updated on Aug 12

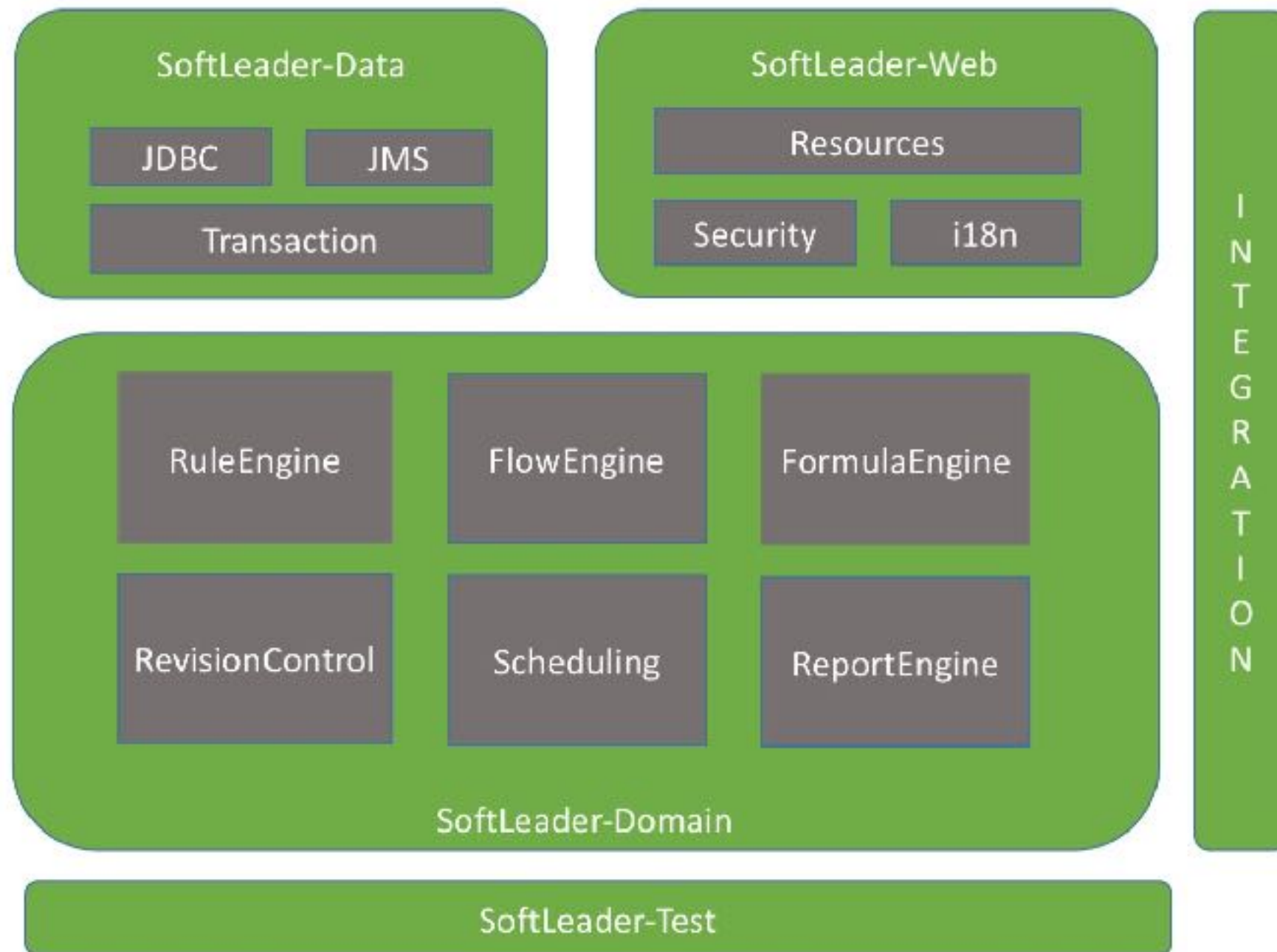


## softleader-training-course

● JavaScript Updated on Aug 4



## Overview of SoftLeader Framework



單表CRUD

JPA/MyBatis 程式碼相似度

entity

100%

dao

50%

(MyBatis多寫一份xml)

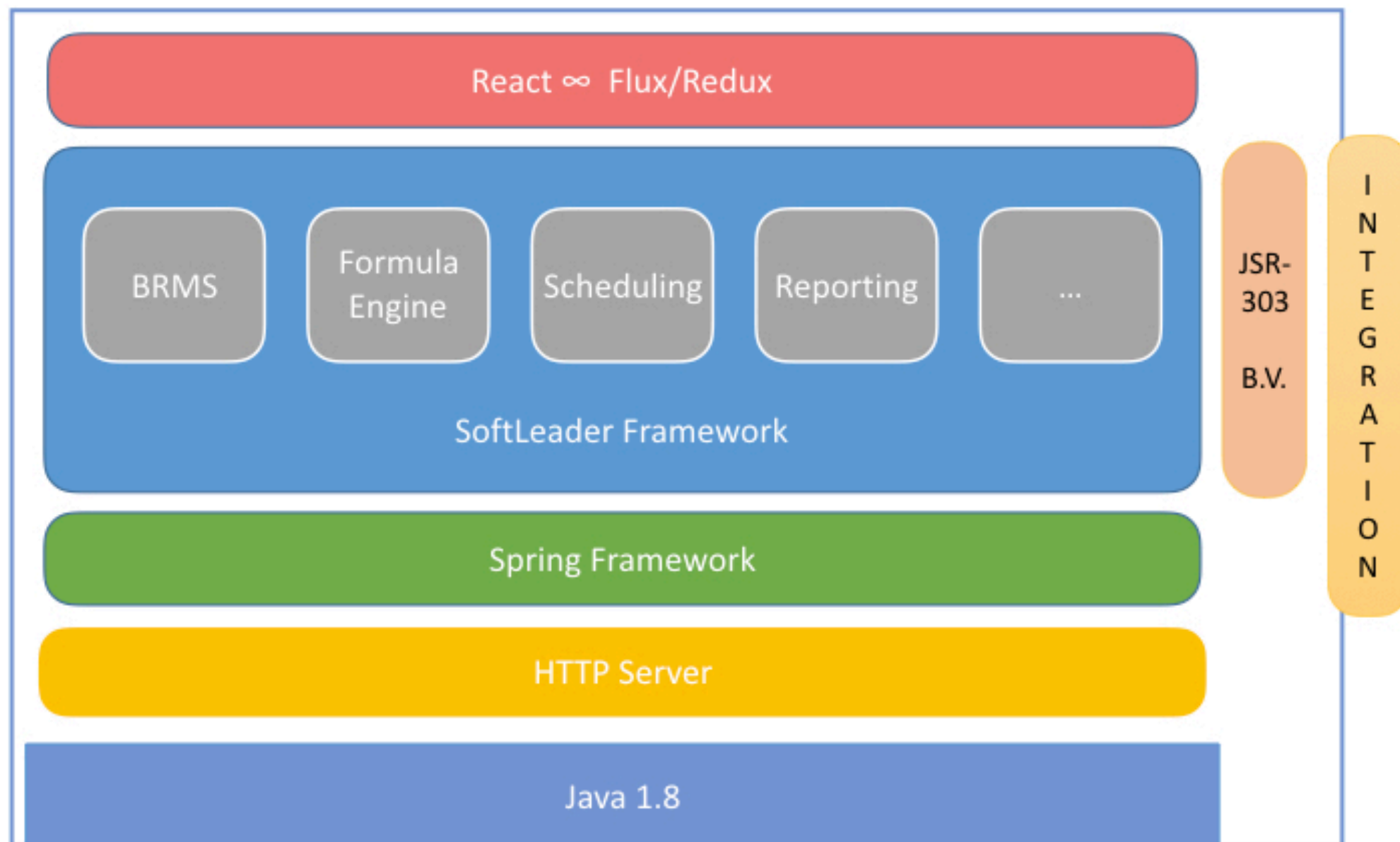
service

100%

controller/jsp

100%

## Architect of SoftLeader Framework



# Bean Validation...

`javax.validation.constraints`

`@NotNull, @Max, @Pattern...`

`org.hibernate.validator.constraints`

`@NotEmpty, @Email, @Range...`

`tw.com.softleader.commons.validation.constraints`

`@IdNo, @Mobile, @AssertThat, @ValidJSON...`



## WHAT'S NEW

```
@Data
public class MyBean {
    @NotEmpty(groups = {StepOne.class, StepTwo.class})
    private String name;

    @NotNull(groups = {StepTwo.class})
    private Integer age;
    ...
}
```

```
@Controller
public class MyController {

    @RequestMapping("/step1")
    public String stepOne(@Validated({StepOne.class}) MyBean bean, BindingResult bindingResult,
        ...
    }

    @RequestMapping("/step2")
    public String stepTwo(@Validated({StepTwo.class}) MyBean bean, BindingResult bindingResult,
        ...
    }
}
```

## WHAT'S NEW

```
@Validated
@Service
public class SomeService {

    public void updateMyData(@NotEmpty String myName, @NotEmpty @IdNo String myIdno,
        @CurrentUserPassword String rawPassword) {
        // ...
    }
}
```

- ▶ Write once, use everywhere!
- ▶ Easy to protect your business logic

# and guarantees!

tw.com.softleader.domain.guarantee.constraints

@EntityUpToDate, @EntityUnique

It's base on AOP, NOT JSR-303!

```
public void save(@EntityUnique MyEntity entity) {  
    // ...  
}
```

WHAT'S NEW

# Cluster scheduling with



WHAT'S NEW

# Social integrating with



Google Developers

**facebook** for developers



Developers

WHAT'S NEW

And much more...

JasperReport-Integration, LDAP-Authentication...

It's all on

[softleader-framework-docs](#)

SoftLeader Framework reference documentation

● Java ★ 2 Updated on Aug 12



# SLF base projects are

- ▶ Azalea 系列
- ▶ PSR, PSB
- ▶ i519
- ▶ softleader-leave
- ▶ ...
- ▶ projects after mid 2015

# New Upcoming 2017 Features



COMING UP

# SoftLeader-Tree

專案操作樹狀結構的解決方案

包含 Java API, JavaScript 元件

可用於通路管理, 內外部通路串接, 公司組織等...

~~hierarchy code, full code, parentId rootId..~~

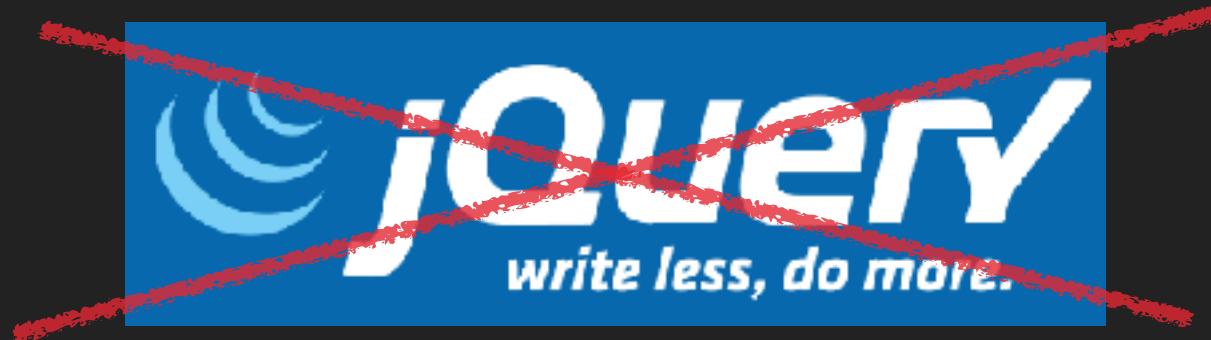
COMING UP

# React ∞ Flux/Redux

前端統一使用的 JavaScript Library

使用 Flux-like architecture

所有核心提供的 View 端程式都打包成 JS library



COMING UP

```
import React from "react";
import Button from 'react-bootstrap/lib/Button';
import Glyphicon from 'react-bootstrap/lib/Glyphicon';
import Tree from 'softleader/lib/tree';

export default class MyComponent extends React.Component {
  // ...

  render() {
    return (
      <Tree ... />
    );
  }
}
```

We'll talk more at training courses...

STARTER 1.0.0 IS HERE!

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# softleader-framework-starter 1.0.0 is here!

## [softleader-framework-starter](#)

An eclipse plugin to build softleader-framework project easier and faster

● Java Updated 6 days ago



STARTER 1.0.0 IS HERE!



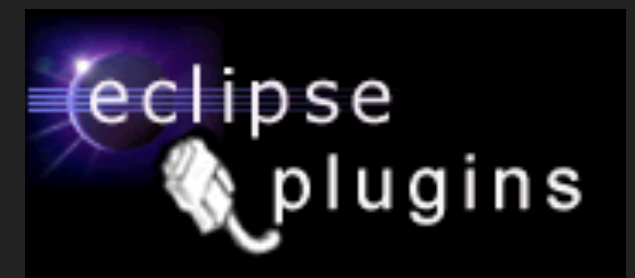
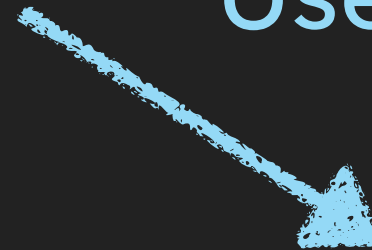
`pom.xml`



STARTER 1.0.0 IS HERE!



Use



SLF-starter



Auto generate whole  
project structure

STARTER 1.0.0 IS HERE!

Let's try it!

## DIFFERENCES

It's **NOT** about **replacing** Spring Boot



It's about **integrating** Spring & Non-Spring libs into **SoftLeader-like** programming style:

- ▶ Configurations
- ▶ Entity, Dao, Services
- ▶ Security, Validations
- ▶ Lots of utilities
- ▶ ...

One more thing...

<https://goo.gl/iDZUmz>

