Your next Java launcher

Introduction in Bootique

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Open Source at ObjectStyle

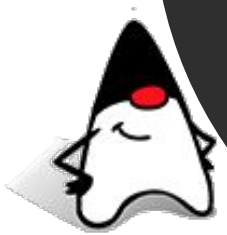
- Apache Cayenne
- Bootique
- LinkRest
- LinkMove

What is Bootique?

- App Launcher
- Configuration
- Integration technology
- Modules

App Launcher

#WYSIWYR



```
java -jar app.jar
```

Configuration

java -jar application.jar --config=development.yml --server

java -jar application.jar --config=ci.yml --server

java -jar application.jar --config=https://config.server/config --migrate

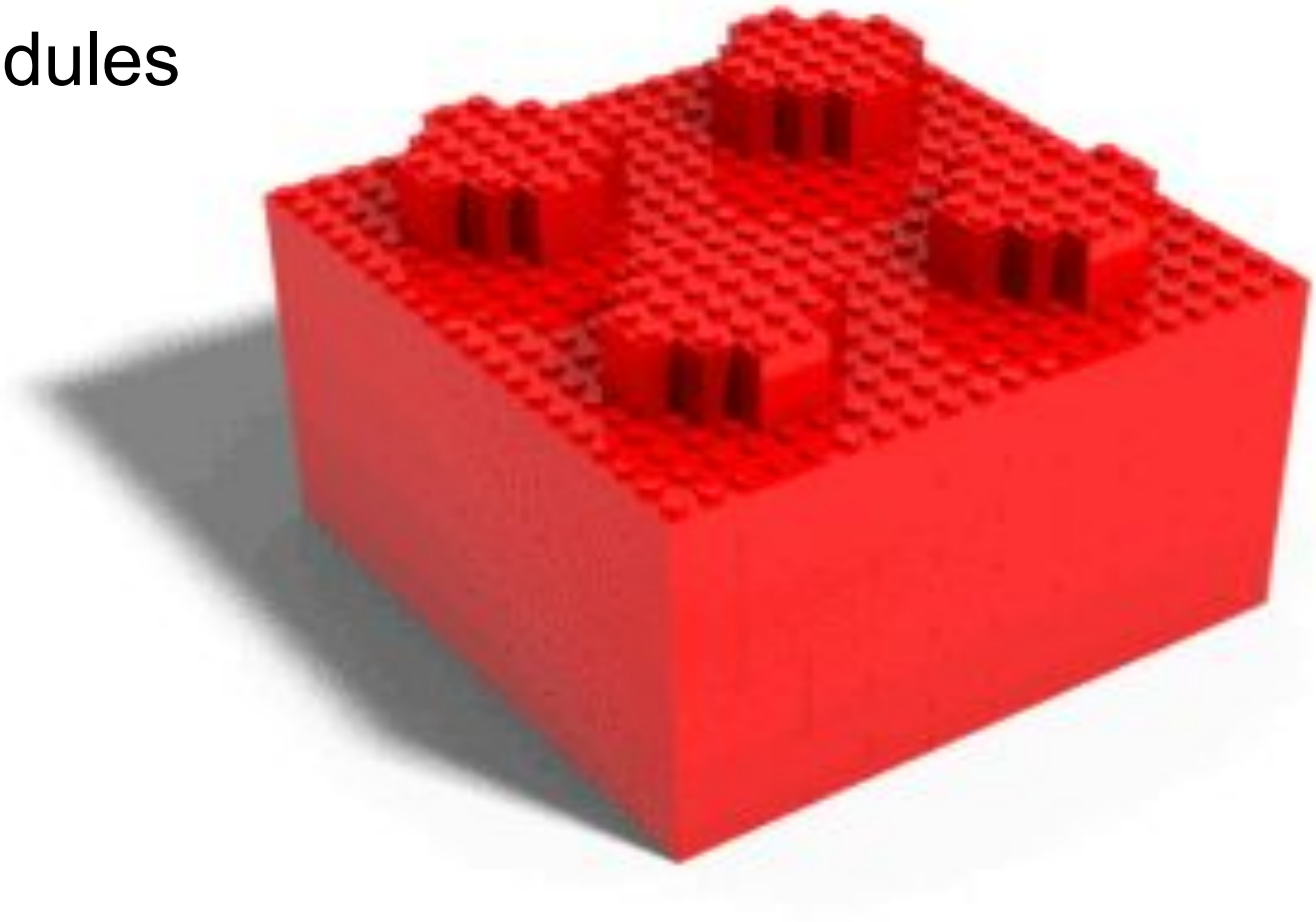
java -jar application.jar --config=classpath:config.yml --migrate

Integration technology

Guice

ServiceLoader

Modules



bootique-cayenne

bootique-jersey-client

bootique-kafka-client

bootique-logback

bootique-tapestry

bootique-jetty-test

bootique-curator

bootique-jetty

bootique-linkmove

bootique-metrics

bootique-test

bootique-jdbc

bootique-job

bootique-linkrest

bootique-mvc

bootique-jdbc-test

bootique-jersey

bootique-jooq

bootique-liquibase

bootique-swagger

bootique-cayenne-test

Checklist

Start from IDE

Use existing modules

Module loading

Configuration

Dependency management (BOM)

Packaging (Fat Jar, Application)

Integration Testing

Writing Module

Spring Boot

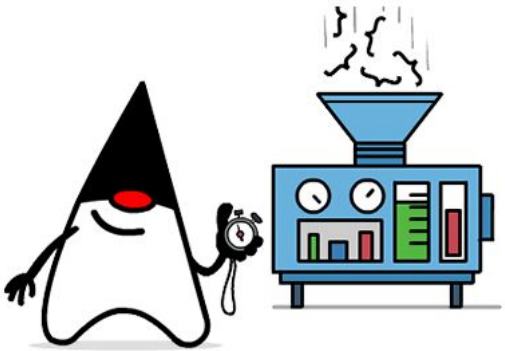
Startup time

Bootique ~ 1s

Spring Boot ~ 10s+

Startup time

http://samolisov.blogspot.com.by/2016/01/spring-framework.html



Application Size

Bootique - 11.8mb

Spring Boot - 14.7mb

Pros

- WYSIWYR aka Make Jar Not War
- Integration via *-starter

Cons

- Abuse of annotations
- @ConditionalOn*
- No modules
- Magic

WTF #1

Flyway and Spring Boot

Ruslan

January 13, 2015

Java

Edit

Добавив jar файл с flyway-core в classpath приложения написанного на Spring Boot и не настроив миграции можно получить следующее исключение:

```
Caused by: org.flywaydb.core.api.FlywayException: Unable to determine URL for classpath location:
db/migration (ClassLoader: sun.misc.Launcher$AppClassLoader@58644d46)
```

Добавление проперти flyway.enabled = false в application.properties решает проблему но! только при запуске приложения. К сожалению тесты не используют application.properties.

```
# application.properties

flyway.enabled=false
```

Быстрый поиск приводит нас например сюда: http://stackoverflow.com/questions/26210786/spring-boot-not-using-application-properties-in-tests, если вас не удовлетворил данный подход/решение то предлагаю пойти дальше и посмотреть мои конфигурационные файлы.

В данном проекте используется java configuration:

WTF #2

```
javax.servlet.ServletException: Failed to instantiate WebApplicationInitializer class
    at
org.springframework.web.SpringServletContainerInitializer.onStartup(SpringServletContainerInitializer.java:160)
    at org.apache.catalina.core.StandardContext.startInternal(StandardContext.java:5517)
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
...
Caused by: java.lang.NoClassDefFoundError: org.glassfish.jersey.server.ResourceConfig
...
Caused by: java.lang.ClassNotFoundException: org.glassfish.jersey.server.ResourceConfig
```

[JerseyAutoConfiguration fails with ClassNotFoundException in Tomcat WebContainer with IBM JDK]

WTF #3

System application that sends Emails

Templating? Sure, Velocity!

compile 'org.springframework.boot:spring-boot-starter-velocity:1.4.2.RELEASE'

Tomcat started on http://127.0.0.1:8080

WTF

System

Templa

compile SE'

Tomca

spring-boot-starter-velocity : 1.4.2.RELEASE

Description

Spring Boot Velocity Starter

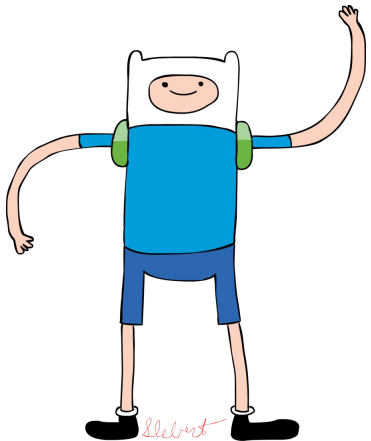
Summary

1.197 software packages are referencing this project.
This project is a **Rockstar**! If that many other packages are referencing it, it must be good and useful. As a Java dev you should know this project.

This version number (1.4.2.RELEASE) fits semantic versioning 2.0.0!

Dependencies

8 Compile Dependencies dependencies up to date

	Required	Newest
commons-beanutils:commons-beanutils	1.9.3	
commons-collections:commons-collections	3.2.2	
commons-digester:commons-digester	2.1	
org.apache.velocity:velocity	1.7	
org.apache.velocity:velocity-tools	2.0	
org.springframework.boot:spring-boot-starter	1.4.2.RELEASE	
org.springframework.boot:spring-boot-starter-web	1.4.2.RELEASE	
org.springframework:spring-context-support	4.3.4.RELEASE	

Q&A