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# 1. 本次SpringCloud第二季课程内容概述

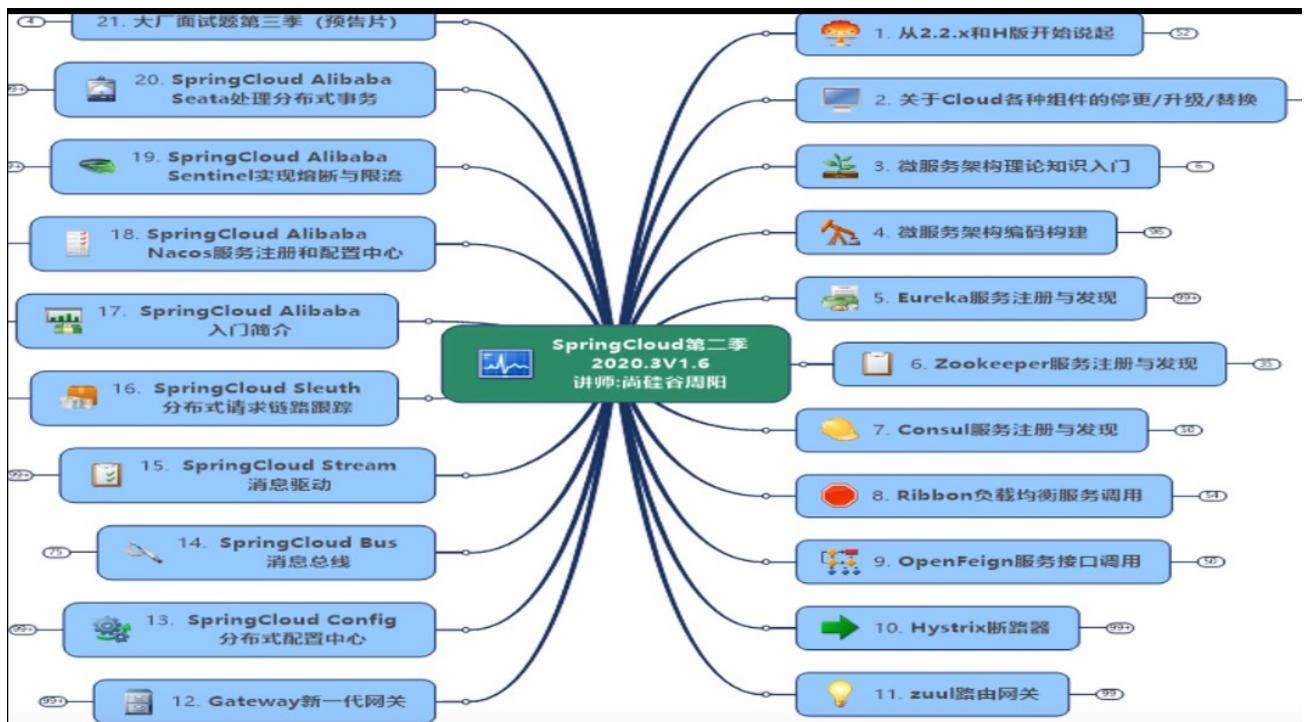
## 1.1. 上篇

SpringBoot 2.x版和SpringCloud H版

## 1.2. 下篇

SpringCloud Alibaba

## 1.3. 大纲



## 2. SpringBoot版本选择

### 2.1. Git源码地址

<https://github.com/spring-projects/spring-boot/releases/>

spring-projects / spring-boot

Watch 3.4k Star 48.4k Fork 30.3k

Code Issues 450 Pull requests 31 Actions Projects 0 Wiki Security Insights

Releases Tags

Jun 11, 2020

v2.2.8.RELEASE

bf9dc2f zip tar.gz

Latest release

v2.1.15.RELEASE

9f20fab

Compare

spring-buildmaster released this Jun 11, 2020 · 5398 commits to master since this release

★ New Features

- Restrict use of custom YAML types #21596

🐛 Bug Fixes

- Spring Boot CLI adds classes from current directory to the classpath on Unix-like platforms #19910

📖 Documentation

## 2.2. SpringBoot2.0版本新特性

<https://github.com/spring-projects/spring-boot/wiki/Spring-Boot-2.0-Release-Notes>

- 通过上面官网发现, SpringBoot官方强烈建议你升级到2.X以上版本

spring-projects / spring-boot

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Code Issues 450 Pull requests 31 Actions Projects 0 Wiki Security 0 Insights

## Spring Boot 2.0 Release Notes

Phillip Webb edited this page 4 days ago · 1 revision

### Upgrading from Spring Boot 1.5

Since this is a major release of Spring Boot, upgrading existing applications can be a little more involved than usual. We've put together a [dedicated migration guide](#) to help you upgrade your existing Spring Boot 1.5 applications.

If you're currently running with an earlier version of Spring Boot, we strongly recommend that you [upgrade to Spring Boot 1.5](#) before migrating to Spring Boot 2.0.

### New and Noteworthy

Tip Check the [configuration changelog](#) for a complete overview of the changes in configuration.

### Java 8 Baseline and Java 9 Support

Spring Boot 2.0 requires Java 8 as a minimum version. Many existing APIs have been updated to take

Pages 114

Pages

- Home
- Supported Versions

Release Notes

- v2.3
- v2.2
- v2.1
- v2.0

Migration Guides

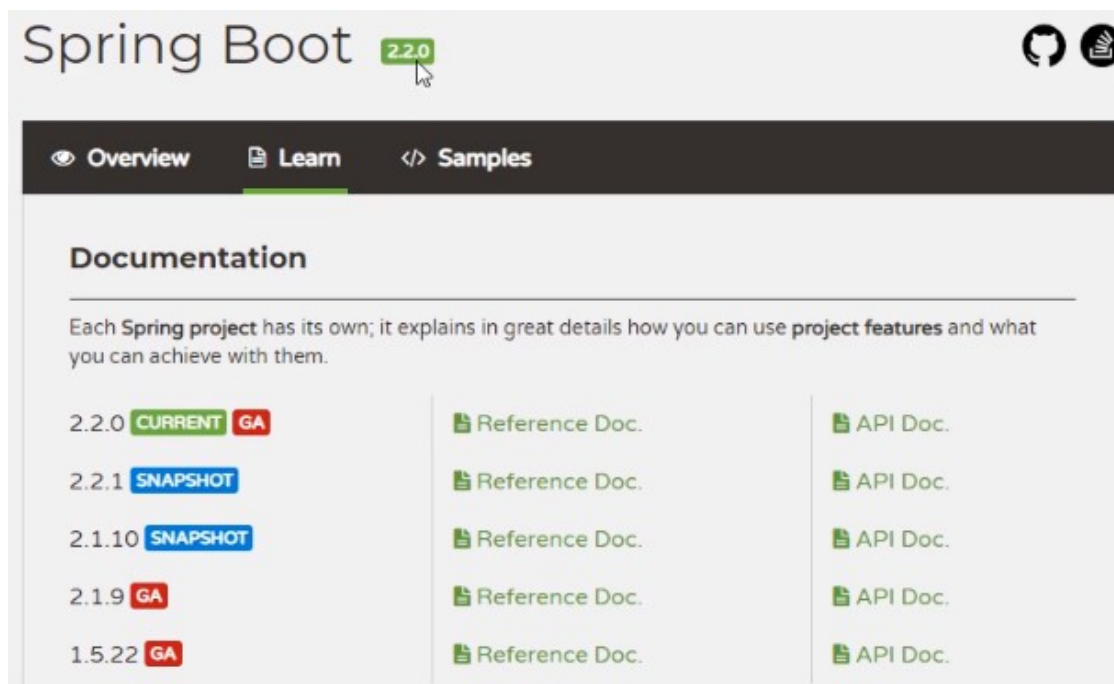
- v1.5 → v2.0

Help

## 2.3. 官网看SpringBoot版本

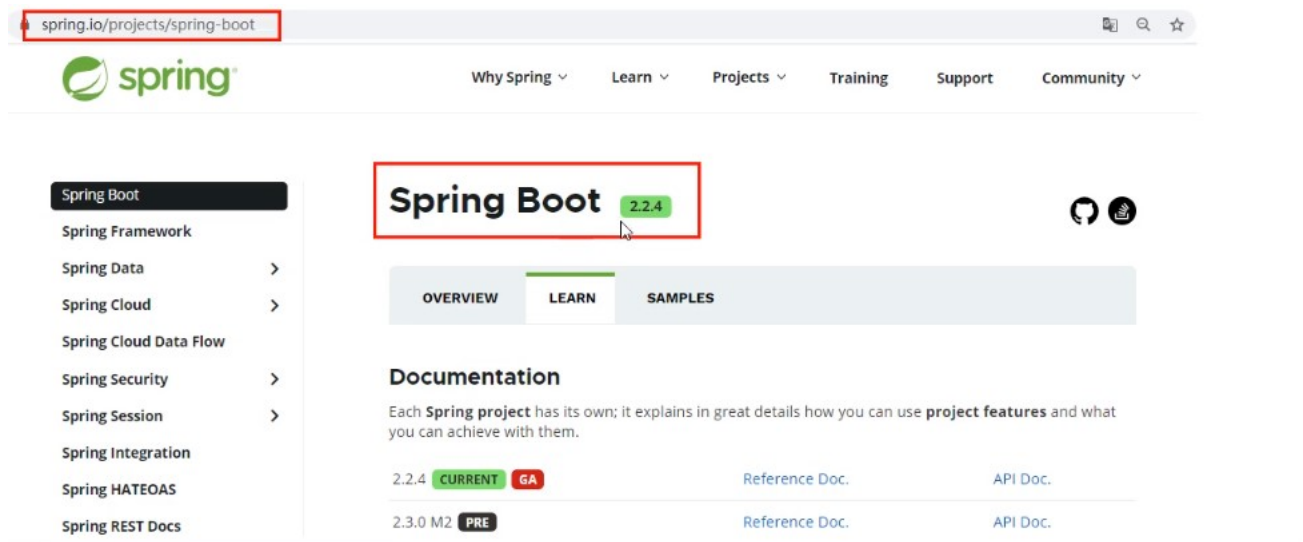
### 2.3.1. SpringBoot(截止2019.10.26)

V2.2.0 GA



## 2.3.2. SpringBoot(截止2020.2.15)

V2.2.4 GA



## 2.3.3. SpringBoot(截止2020.6.11)

V2.3.0 GA

## Documentation

Each **Spring project** has its own; it explains in great details how you can use **project features** and what you can achieve with them.


|        |            |                                |                          |
|--------|------------|--------------------------------|--------------------------|
| 2.3.0  | CURRENT GA | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |
| 2.4    | SNAPSHOT   | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |
| 2.3.1  | SNAPSHOT   | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |
| 2.2.8  | SNAPSHOT   | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |
| 2.2.7  | GA         | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |
| 2.1.16 | SNAPSHOT   | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |




## 3. SpringCloud版本选择

### 3.1. Git源码地址

<https://github.com/spring-projects/spring-cloud/releases/>

注:目前(20200611)已无法访问(提示: There aren't any releases here)

 [spring-projects / spring-cloud](#)

 Watch ▾ 94  Star 589  Fork 177

[Code](#) [Issues 5](#) [Pull requests 0](#) [Actions](#) [Projects 0](#) [Wiki](#) [Security 0](#) [Insights](#)

[Releases](#) [Tags](#)



#### There aren't any releases here

Releases are powered by [tagging specific points of history](#) in a repository.  
They're great for marking release points like `v1.0`.



Umbrella project for Spring Cloud <http://projects.spring.io/spring-cloud/>

8 commits

4 branches

0 packages

0 releases

4 contributors

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download

|                                 |                                      |               |
|---------------------------------|--------------------------------------|---------------|
| ryanjbxter Creating security.md | Latest commit c62aa03 on 20 Nov 2019 |               |
| README.md                       | URL Cleanup                          | 15 months ago |
| SECURITY.md                     | Creating security.md                 | 7 months ago  |

README.md

This project is an umbrella and the git repository is used only for documentation (see gh-pages branch). Home page: <https://projects.spring.io/spring-cloud/>.

The sub-projects of Spring Cloud live in a different Github organization: <https://github.com/spring-cloud>. Please use the issue trackers in the individual projects there to report bugs and request new features. Each project has a README with instructions on how to build the source code and how to contribute ideas and code.

If you are looking for the project formerly known as Spring Cloud, please go <https://github.com/spring-cloud/spring-cloud-connectors>.

## 3.2. 官网

<https://spring.io/projects/spring-cloud>

Spring Boot

Spring Framework

Spring Data

Spring Cloud

Spring Cloud Azure

Spring Cloud Alibaba

Spring Cloud for Amazon Web Services

Spring Cloud Bus

Spring Cloud CLI

Spring Cloud for Cloud Foundry

Spring Cloud - Cloud Foundry Service Broker

Spring Cloud Cluster

Spring Cloud Commons

Spring Cloud Config

Spring Cloud Connectors

Spring Cloud Consul

Spring Cloud Contract

Spring Cloud

Hoxton SR5

OVERVIEW

LEARN

SAMPLES

Spring Cloud provides tools for developers to quickly build some of the common patterns in distributed systems (e.g. configuration management, service discovery, circuit breakers, intelligent routing, micro-proxy, control bus, one-time tokens, global locks, leadership election, distributed sessions, cluster state). Coordination of distributed systems leads to boiler plate patterns, and using Spring Cloud developers can quickly stand up services and applications that implement those patterns. They will work well in any distributed environment, including the developer's own laptop, bare metal data centres, and managed platforms such as Cloud Foundry.

Features

Spring Cloud focuses on providing good out of box experience for typical use cases and extensibility mechanism to cover others.

- Distributed/versioned configuration
- Service registration and discovery
- Routing

## 3.3. 官网看SpringCloud版本

### 3.3.1. SpringCloud命名规则

SpringCloud采用了英国伦敦地铁站的名称来命名，并由地铁站名称字母A-Z依次类推的形式来发布迭代版本

SpringCloud是一个由许多子项目组成的综合项目，各子项目有不同的发布节奏。为了管理SpringCloud与各子项目的版本依赖关系，发布了一个清单，其中包括了某个SpringCloud版本对应的子项目版本。为了避免SpringCloud版本号与子项目版本号混淆，SpringCloud版本采用了名称而非版本号的命名，这些版本的名字采用了伦敦地铁站的名字，根据字母表的顺序来对应版本时间顺序。例如Angel是第一个版本，Brixton是第二个版本。

当SpringCloud的发布内容积累到临界点或者一个重大BUG被解决后，会发布一个“service releases”版本，简称SRX版本，比如Greenwich.SR2就是SpringCloud发布的Greenwich版本的第2个SRX版本。

| Spring Cloud                     |                           |
|----------------------------------|---------------------------|
| RELEASE                          | DOCUMENTATION             |
| Finchley M9 <small>PRE</small>   | <a href="#">Reference</a> |
| Finchley <small>SNAPSHOT</small> |                           |
| Edgware SR3 <small>GA</small>    | <a href="#">Reference</a> |
| Edgware <small>SNAPSHOT</small>  |                           |
| Dalston SR5 <small>GA</small>    | <a href="#">Reference</a> |
| Camden SR7 <small>GA</small>     | <a href="#">Reference</a> |

### 3.3.2. SpringCloud(截止2019.10.26)

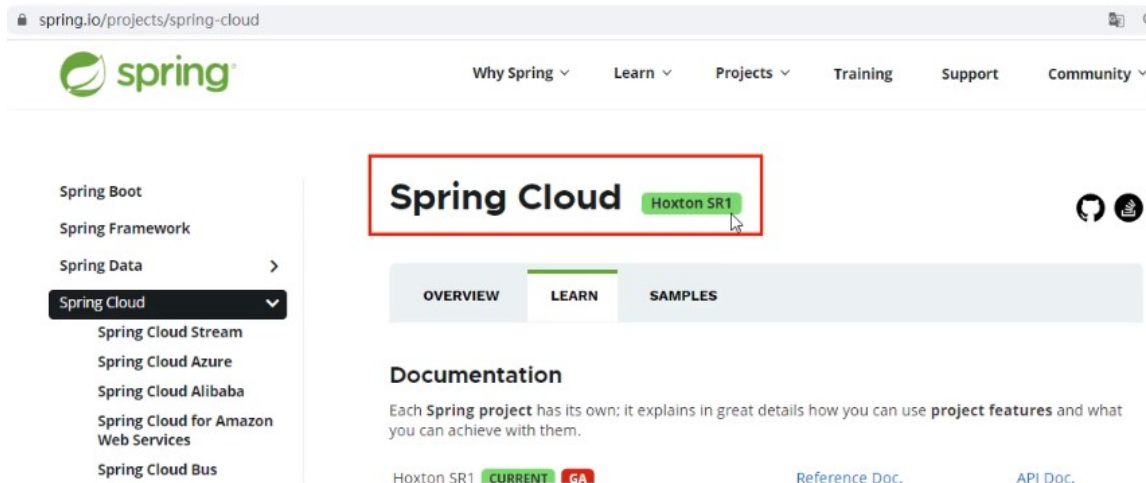
Greenwich SR3 GA

| spring cloud <small>Greenwich SR3</small>  |                                |                          |
|--|--------------------------------|--------------------------|
| Overview   | Learn                          | Samples                  |
| Documentation  |                                |                          |
| Each <b>Spring</b> project has its own; it explains in great details how you can use <b>project features</b> and what you can achieve with them. |                                |                          |
| Greenwich SR3 <small>CURRENT</small> <small>GA</small>   | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |
| Hoxton RC1 <small>PRE</small>  | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |
| Hoxton <small>SNAPSHOT</small>   | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |
| Greenwich <small>SNAPSHOT</small>  | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |
| Finchley SR4 <small>GA</small>   | <a href="#">Reference Doc.</a> | <a href="#">API Doc.</a> |

### 3.3.3. SpringCloud(截止2020.2.15)



## Hoxton SR1 GA



The screenshot shows the Spring Cloud documentation page. The left sidebar lists various Spring projects, with 'Spring Cloud' selected. The main content area has tabs for 'OVERVIEW', 'LEARN', and 'SAMPLES'. The 'LEARN' tab is active, showing the 'Documentation' section. A red box highlights the 'Spring Cloud' header and the 'Hoxton SR1' version label, which is marked as 'CURRENT' and 'GA'.

spring.io/projects/spring-cloud

Why Spring Learn Projects Training Support Community

Spring Boot  
Spring Framework  
Spring Data  
Spring Cloud  
Spring Cloud Stream  
Spring Cloud Azure  
Spring Cloud Alibaba  
Spring Cloud for Amazon Web Services  
Spring Cloud Bus

Spring Cloud Hoxton SR1

OVERVIEW LEARN SAMPLES

**Documentation**

Each **Spring project** has its own; it explains in great details how you can use **project features** and what you can achieve with them.

Hoxton SR1 **CURRENT** **GA** [Reference Doc.](#) [API Doc.](#)

### 3.3.4. SpringCloud(截止2020.6.11)

#### Hoxton SR5 GA

| OVERVIEW   | LEARN                    | SAMPLES   |
|--|--------------------------|---|
| <b>Documentation</b>   |                          |   |
| Each <b>Spring project</b> has its own; it explains in great details how you can use <b>project features</b> and what you can achieve with them. |                          |   |
| Hoxton SR5   | <b>CURRENT</b> <b>GA</b> | <a href="#">Reference Doc.</a> <a href="#">API Doc.</a> |
| 2020.0   | <b>SNAPSHOT</b>          | <a href="#">Reference Doc.</a> <a href="#">API Doc.</a> |
| 2020.0 0-M2  | <b>PRE</b>               | <a href="#">Reference Doc.</a> <a href="#">API Doc.</a> |
| Hoxton   | <b>SNAPSHOT</b>          | <a href="#">Reference Doc.</a> <a href="#">API Doc.</a> |
| Greenwich SR6  | <b>GA</b>                | <a href="#">Reference Doc.</a> <a href="#">API Doc.</a> |
| Greenwich  | <b>SNAPSHOT</b>          | <a href="#">Reference Doc.</a> <a href="#">API Doc.</a> |

## 3.4. SpringCloud和SpringBoot之间的依赖关系如何看

### 3.4.1. 官网 -> Table 1. Release train Spring Boot compatibility

<https://spring.io/projects/spring-cloud#overview>



dependencies on the individual project (see below). The release trains have names, not versions, to avoid confusion with the sub-projects. The names are an alphabetic sequence (so you can sort them chronologically) with names of London Tube stations ("Angel" is the first release, "Brixton" is the second). When point releases of the individual projects accumulate to a critical mass, or if there is a change in one of them that needs to be available to everyone, the release train will push out "service releases" ending ".SRX", where "X" is a number.

Table 1. Release train Spring Boot compatibility

| Release Train | Boot Version |
|---------------|--------------|
| Hoxton        | 2.2.x        |
| Greenwich     | 2.1.x        |
| Finchley      | 2.0.x        |
| Edgware       | 1.5.x        |
| Dalston       | 1.5.x        |

### 3.4.2. 依赖

Finchley 是基于Spring Boot 2.0.x构建的不再支持Spring Boot 1.5.x

Dalston和Edgware 是基于Spring Boot 1.5.x构建的，不支持Spring Boot 2.0.x

Camden构建于Spring Boot 1.4.x，但依然能支持Spring Boot 1.5.x

Finchley 是基于 Spring Boot 2.0.x 构建的不再支持 Spring Boot 1.5.x

Dalston 和 Edgware 是基于 Spring Boot 1.5.x 构建的，不支持 Spring Boot 2.0.x

Camden 构建于 Spring Boot 1.4.x，但依然能支持 Spring Boot 1.5.x

| Spring Boot   | Spring Cloud        |
|---------------|---------------------|
| 1.2.x         | Angel版本             |
| 1.3.x         | Brixton版本           |
| 1.4.x stripes | Camden版本            |
| 1.5.x         | Dalston版本、Edgware版本 |
| 2.0.x         | Finchley版本          |
| 2.1.x         | Greenwich.SR2       |

### 3.4.3. 更详细的版本对应查看方法

#### 3.4.3.1. 官网

<https://start.spring.io/actuator/info>

调用结果(原始数据):

```
start.spring.io/actuator/info
{"git":{"commit":"2020-02-11T17:01:25Z","id":"b137c0c","branch":"b137c0c9482c1aee51e5a808efb308f27cc09a9","build":{"version":"0.0.1-SNAPSHOT","artifact":"start-site","name":"start.spring.io website","versions":{"initializr":"0.9.0.BUILD-SNAPSHOT","spring-boot":"2.2.4.RELEASE"},"group":"io.spring.start","time":"2020-02-11T18:21:21.918Z","bow-ranges":{"azure":{"2.0.10":"Spring Boot >=2.0.0.RELEASE and <2.1.0.RELEASE","2.1.7":"Spring Boot >=2.1.0.RELEASE and <2.2.0.M1","2.2.0":"Spring Boot >=2.2.0.M1"},"codecentric-spring-boot-admin":{"2.0.6":"Spring Boot >=2.0.0.M1 and <2.1.0.M1","2.1.6":"Spring Boot >=2.1.0.M1 and <2.2.0.M1","2.2.1":"Spring Boot >=2.2.0.M1"},"spring-cloud":{"Finchley.M2":"Spring Boot >=2.0.0.M3 and <2.0.0.M5","Finchley.M3":"Spring Boot >=2.0.0.M5 and <2.0.0.M5","Finchley.M4":"Spring Boot >=2.0.0.M6 and <2.0.0.M6","Finchley.M5":"Spring Boot >=2.0.0.M7 and <2.0.0.M7","Finchley.M6":"Spring Boot >=2.0.0.RC1 and <2.0.0.RC1","Finchley.M7":"Spring Boot >=2.0.0.RC2 and <2.0.0.RC2","Finchley.M9":"Spring Boot >=2.0.0.RELEASE and <2.0.0.RELEASE","Finchley.RC1":"Spring Boot >=2.0.1.RELEASE and <2.0.2.RELEASE","Finchley.RC2":"Spring Boot >=2.0.2.RELEASE and <2.0.3.RELEASE","Finchley.SR4":"Spring Boot >=2.0.3.RELEASE and <2.0.999.BUILD-SNAPSHOT","Finchley.BUILD-SNAPSHOT":"Spring Boot >=2.0.999.BUILD-SNAPSHOT and <2.1.0.M3","Greenwich.M1":"Spring Boot >=2.1.0.M3 and <2.1.0.RELEASE","Greenwich.SR5":"Spring Boot >=2.1.0.RELEASE and <2.1.13.BUILD-SNAPSHOT","Greenwich.BUILD-SNAPSHOT":"Spring Boot >=2.1.13.BUILD-SNAPSHOT and <2.2.0.M4","Hoxton.SR1":"Spring Boot >=2.2.0.M4 and <2.2.5.BUILD-SNAPSHOT","Hoxton.BUILD-SNAPSHOT":"Spring Boot >=2.2.5.BUILD-SNAPSHOT and <2.3.0.M1"},"spring-cloud-alibaba":{"2.2.0.RELEASE":"Spring Boot >=2.2.0.RELEASE and <2.3.0.M1"},"spring-cloud-services":{"2.0.3.RELEASE":"Spring Boot >=2.0.0.RELEASE and <2.1.0.RELEASE","2.1.6.RELEASE":"Spring Boot >=2.1.0.RELEASE and <2.2.0.RELEASE","2.2.1.RELEASE":"Spring Boot >=2.2.0.RELEASE and <2.3.0.M1"},"spring-data-r2dbc":{"0.1.0.M3":"Spring Boot >=2.0.0.M6 and <2.2.5.BUILD-SNAPSHOT","0.1.0.BUILD-SNAPSHOT":"Spring Boot >=2.2.5.BUILD-SNAPSHOT"},"spring-state-machine":{"2.0.0.M4":"Spring Boot >=2.0.0.RC1 and <2.0.0.RC1","2.0.0.M5":"Spring Boot >=2.0.0.RC2 and <2.0.0.RC2","2.0.1.RELEASE":"Spring Boot >=2.0.0.RELEASE","vaadin":{"10.0.17":"Spring Boot >=2.0.0.M1 and <2.1.0.M1","14.1.17":"Spring Boot >=2.1.0.M1"},"dependency-ranges":{"okta":{"1.2.1":"Spring Boot >=2.1.2.RELEASE and <2.2.0.M1","1.4.0":"Spring Boot >=2.2.0.M1"},"mybatis":{"2.0.1":"Spring Boot >=2.0.0.RELEASE and <2.1.0.RELEASE","2.1.1":"Spring Boot >=2.1.0.RELEASE"},"geode":{"1.2.4.RELEASE":"Spring Boot >=2.2.0.M5 and <2.3.0.M1","1.3.0.M1":"Spring Boot >=2.3.0.M1 and <2.3.0.BUILD-SNAPSHOT","1.3.0.BUILD-SNAPSHOT":"Spring Boot >=2.3.0.BUILD-SNAPSHOT"},"camel":{"2.22.4":"Spring Boot >=2.0.0.M1 and <2.1.0.M1","2.24.3":"Spring Boot >=2.1.0.M1 and <2.2.0.M1","3.0.1":"Spring Boot >=2.2.0.M1"},"solace":{"3.1.0":"Spring Boot >=2.1.0.RELEASE and <2.2.0.M1","3.2.0":"Spring Boot >=2.2.0.M1"}}
```

### 3.4.3.2. 查看json串返回结果

调用结果(格式化):

tool.lu/json/

在线工具

搜索其实很简单 正则 运行代码 icon 搜索

我的 所有 开发类 站长类 极客类 学术类 其它 码农文库 奇淫巧技 软件推荐 网址导航

代码

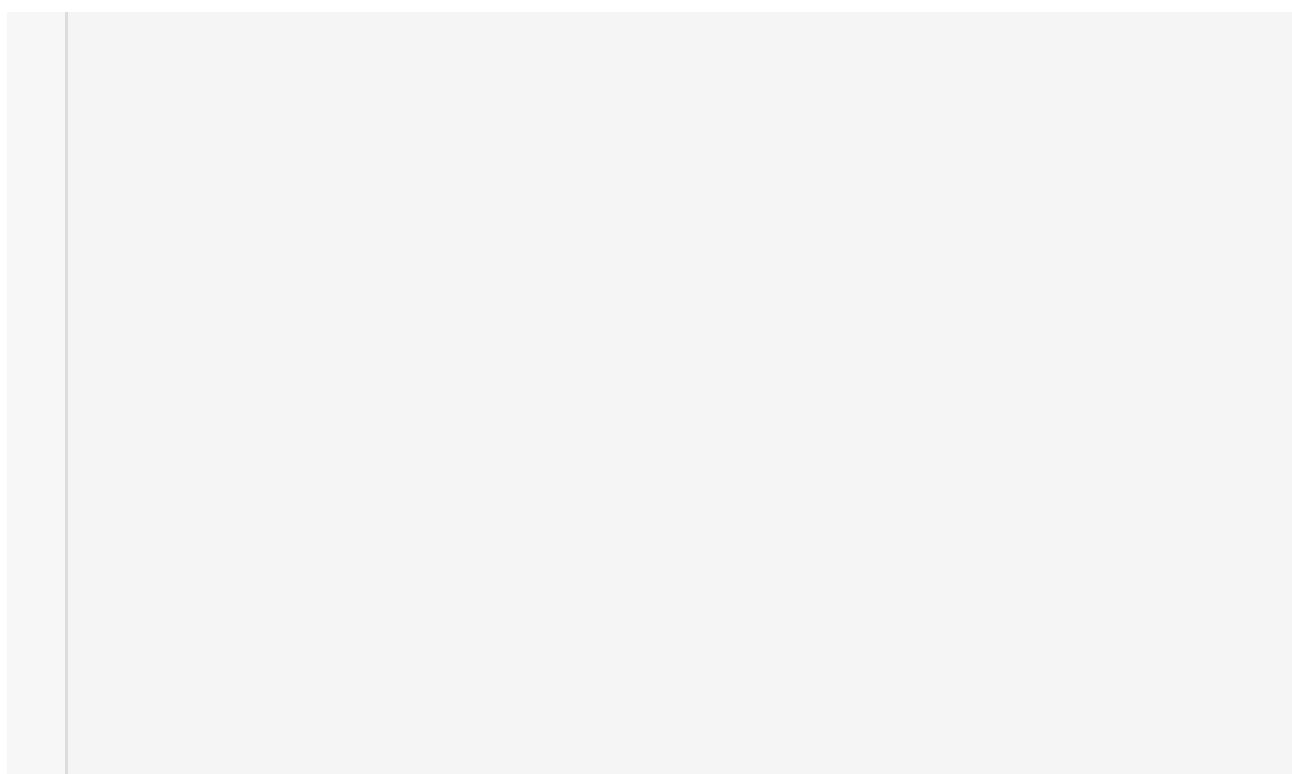
```
28      "2.1.6": "Spring Boot >=2.1.0.M1 and <2.2.0.M1",
29      "2.2.1": "Spring Boot >=2.2.0.M1"
30    },
31    "spring-cloud": {
32      "Finchley.M2": "Spring Boot >=2.0.0.M3 and <2.0.0.M5",
33      "Finchley.M3": "Spring Boot >=2.0.0.M5 and <=2.0.0.M5",
34      "Finchley.M4": "Spring Boot >=2.0.0.M6 and <=2.0.0.M6",
35      "Finchley.M5": "Spring Boot >=2.0.0.M7 and <=2.0.0.M7",
36      "Finchley.M6": "Spring Boot >=2.0.0.RC1 and <=2.0.0.RC1",
37      "Finchley.M7": "Spring Boot >=2.0.0.RC2 and <=2.0.0.RC2",
38      "Finchley.M9": "Spring Boot >=2.0.0.RELEASE and <=2.0.0.RELEASE",
39      "Finchley.RC1": "Spring Boot >=2.0.1.RELEASE and <2.0.2.RELEASE",
40      "Finchley.RC2": "Spring Boot >=2.0.2.RELEASE and <2.0.3.RELEASE",
41      "Finchley.SR4": "Spring Boot >=2.0.3.RELEASE and <2.0.999.BUILD-SNAPSHOT",
42      "Finchley.BUILD-SNAPSHOT": "Spring Boot >=2.0.999.BUILD-SNAPSHOT and <2.1.0.M3",
43      "Greenwich.M1": "Spring Boot >=2.1.0.M3 and <2.1.0.RELEASE",
44      "Greenwich.SR5": "Spring Boot >=2.1.0.RELEASE and <2.1.13.BUILD-SNAPSHOT",
45      "Greenwich.BUILD-SNAPSHOT": "Spring Boot >=2.1.13.BUILD-SNAPSHOT and <2.2.0.M4",
46      "Hoxton.SR1": "Spring Boot >=2.2.0.M4 and <2.2.5.BUILD-SNAPSHOT",
47      "Hoxton.BUILD-SNAPSHOT": "Spring Boot >=2.2.5.BUILD-SNAPSHOT and <2.3.0.M1"
48    },
49    "spring-cloud-alibaba": {
50      "2.2.0.RELEASE": "Spring Boot >=2.2.0.RELEASE and <2.3.0.M1"
51    },
52    "spring-cloud-services": {
53      "2.0.3.RELEASE": "Spring Boot >=2.0.0.RELEASE and <2.1.0.RELEASE",
54      "2.1.6.RELEASE": "Spring Boot >=2.1.0.RELEASE and <2.2.0.RELEASE",
```

以下为接口最新(20200611)的调用结果:

Browser address bar: <https://start.spring.io/actuator/info>

JSON editor interface with tabs: 元数据, 格式化, 视图化, 压缩, 选中

```
object {4}
  git {2}
  build {6}
  bom-ranges {10}
    codecentric-spring-boot-admin {3}
    solace-spring-cloud {1}
    spring-cloud {17}
      Finchley.M2 : Spring Boot >=2.0.0.M3 and <2.0.0.M5
      Finchley.M3 : Spring Boot >=2.0.0.M5 and <=2.0.0.M5
      Finchley.M4 : Spring Boot >=2.0.0.M6 and <=2.0.0.M6
      Finchley.M5 : Spring Boot >=2.0.0.M7 and <=2.0.0.M7
      Finchley.M6 : Spring Boot >=2.0.0.RC1 and <=2.0.0.RC1
      Finchley.M7 : Spring Boot >=2.0.0.RC2 and <=2.0.0.RC2
      Finchley.M9 : Spring Boot >=2.0.0.RELEASE and <=2.0.0.RELEASE
      Finchley.RC1 : Spring Boot >=2.0.1.RELEASE and <2.0.2.RELEASE
      Finchley.RC2 : Spring Boot >=2.0.2.RELEASE and <2.0.3.RELEASE
      Finchley.SR4 : Spring Boot >=2.0.3.RELEASE and <2.0.999.BUILD-SNAPSHOT
      Finchley.BUILD-SNAPSHOT : Spring Boot >=2.0.999.BUILD-SNAPSHOT and <2.1.0.M3
      Greenwich.M1 : Spring Boot >=2.1.0.M3 and <2.1.0.RELEASE
      Greenwich.SR6 : Spring Boot >=2.1.0.RELEASE and <2.1.16.BUILD-SNAPSHOT
      Greenwich.BUILD-SNAPSHOT : Spring Boot >=2.1.16.BUILD-SNAPSHOT and <2.2.0.M4
      Hoxton.SR5 : Spring Boot >=2.2.0.M4 and <2.3.1.BUILD-SNAPSHOT
      Hoxton.BUILD-SNAPSHOT : Spring Boot >=2.3.1.BUILD-SNAPSHOT and <2.4.0.M1
      2020.0.0-SNAPSHOT : Spring Boot >=2.4.0.M1
    azure {4}
    spring-cloud-services {3}
    vaadin {2}
    spring-statemachine {2}
```



```
1 {"git":{"commit":{"time":"2020-06-11T09:17:20Z","id":"5294926"},"branch":"5294926a91392c12cc709f481c3a1df9650d5747"},
  "build":{"version":"0.0.1-SNAPSHOT","artifact":"start-site","name":"start.spring.io website","versions":{"initializr":"0.9.0.BUILD-SNAPSHOT","spring-boot":"2.3.0.RELEASE"},"group":"io.spring.start","time":"2020-06-11T09:18:02.092Z"},"bom-ranges":{"codecentric-spring-boot-admin":{"2.0.6":"Spring Boot >=2.0.0.M1 and <2.1.0.M1","2.1.6":"Spring Boot >=2.1.0.M1 and <2.2.0.M1","2.2.3":"Spring Boot >=2.2.0.M1"},"solace-spring-cloud":{"1.0.0":"Spring Boot >=2.2.0.RELEASE and <2.3.0.M1"},"spring-cloud":{"Finchley.M2":"Spring Boot >=2.0.0.M3 and <2.0.0.M5","Finchley.M3":"Spring Boot >=2.0.0.M5 and <=2.0.0.M5","Finchley.M4":"Spring Boot >=2.0.0.M6 and <=2.0.0.M6","Finchley.M5":"Spring Boot >=2.0.0.M7 and <=2.0.0.M7","Finchley.M6":"Spring Boot >=2.0.0.RC1 and <=2.0.0.RC1","Finchley.M7":"Spring Boot >=2.0.0.RC2 and <=2.0.0.RC2","Finchley.M9":"Spring Boot >=2.0.0.RELEASE and <=2.0.0.RELEASE","Finchley.RC1":"Spring Boot >=2.0.1.RELEASE and <2.0.2.RELEASE","Finchley.RC2":"Spring Boot >=2.0.2.RELEASE and <2.0.3.RELEASE","Finchley.SR4":"Spring Boot >=2.0.3.RELEASE and <2.0.999.BUILD-SNAPSHOT","Finchley.BUILD-SNAPSHOT":"Spring Boot >=2.0.999.BUILD-SNAPSHOT and <2.1.0.M3","Greenwich.M1":"Spring Boot >=2.1.0.M3 and <2.1.0.RELEASE","Greenwich.SR6":"Spring Boot >=2.1.0.RELEASE and <2.1.16.BUILD-SNAPSHOT","Greenwich.BUILD-SNAPSHOT":"Spring Boot >=2.1.16.BUILD-SNAPSHOT and <2.2.0.M4","Hoxton.SR5":"Spring Boot >=2.2.0.M4 and <2.3.1.BUILD-SNAPSHOT","Hoxton.BUILD-SNAPSHOT":"Spring Boot >=2.3.1.BUILD-SNAPSHOT and <2.4.0.M1","2020.0.0-SNAPSHOT":"Spring Boot >=2.4.0.M1"},"azure":{"2.0.10":"Spring Boot >=2.0.0.RELEASE and <2.1.0.RELEASE","2.1.10":"Spring Boot >=2.1.0.RELEASE and <2.2.0.M1","2.2.4":"Spring Boot >=2.2.0.M1 and <2.3.0.M1","2.3.1":"Spring Boot >=2.3.0.M1"},"spring-cloud-services":{"2.0.3.RELEASE":"Spring Boot >=2.0.0.RELEASE and <2.1.0.RELEASE","2.1.7.RELEASE":"Spring Boot >=2.1.0.RELEASE and <2.2.0.RELEASE","2.2.3.RELEASE":"Spring Boot >=2.2.0.RELEASE and <2.3.0.M1"},"vaadin":{"10.0.17":"Spring Boot >=2.0.0.M1 and <2.1.0.M1","14.2.1":"Spring Boot >=2.1.0.M1 and <2.4.0-M1"},"spring-statemachine":{"2.0.0.M4":"Spring Boot >=2.0.0.RC1 and <=2.0.0.RC1","2.0.0.M5":"Spring Boot >=2.0.0.RC2 and <=2.0.0.RC2","2.0.1.RELEASE":"Spring Boot >=2.0.0.RELEASE"},"wavefront":{"2.0.0-SNAPSHOT":"Spring Boot >=2.1.0.RELEASE"},"solace-spring-boot":{"1.0.0":"Spring Boot >=2.2.0.RELEASE and <2.3.0.M1","1.1.0":"Spring Boot >=2.3.0.M1"},"spring-cloud-alibaba":{"2.2.1.RELEASE":"Spring Boot >=2.2.0.RELEASE and <2.3.0.M1"}},"dependency-ranges":{"okta":{"1.2.1":"Spring Boot >=2.1.2.RELEASE and <2.2.0.M1","1.4.0":"Spring Boot >=2.2.0.M1 and <2.4.0-M1"},"mybatis":{"2.0.1":"Spring Boot >=2.0.0.RELEASE and <2.1.0.RELEASE","2.1.3":"Spring Boot >=2.1.0.RELEASE and <2.4.0-M1"},"geode":{"1.2.7.RELEASE":"Spring Boot >=2.2.0.M5 and <2.3.0.M1","1.3.0.RELEASE":"Spring Boot >=2.3.0.M1 and <2.4.0-M1"},"camel":{"2.22.4":"Spring Boot >=2.0.0.M1 and <2.1.0.M1","2.25.1":"Spring Boot >=2.1.0.M1 and <2.2.0.M1","3.3.0":"Spring Boot >=2.2.0.M1 and <2.4.0-M1"}}}}
```

## 3.5. SpringCloud第二季定稿版(截止2020.2.15)

### 3.5.1. 环境要求

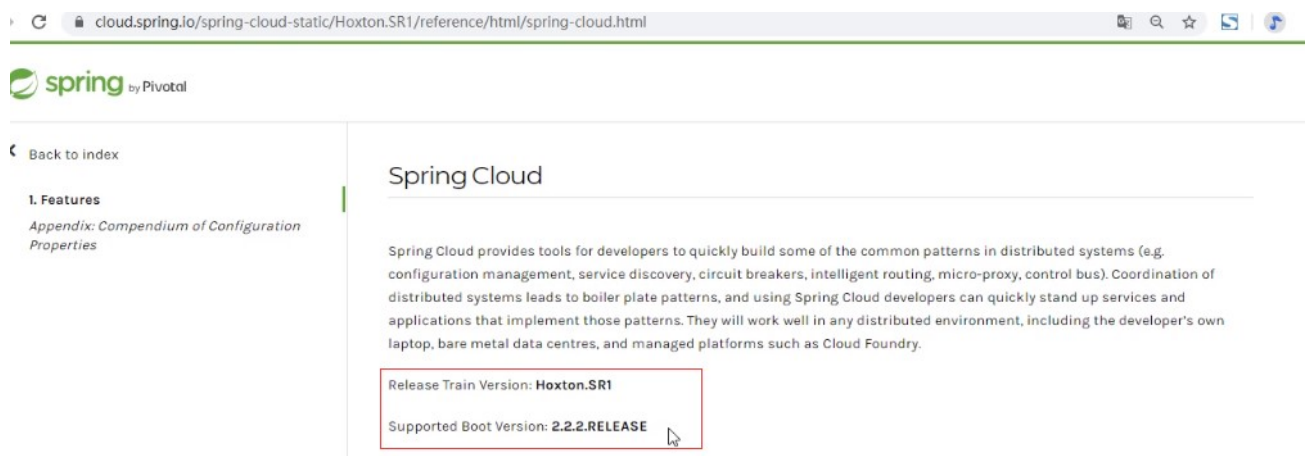
- SpringCloud => Hoxton.SR1
- SpringBoot => 2.2.2.RELEASE
- SpringCloud Alibaba => 2.1.0.RELEASE
- Java => 8及以上
- Maven => 3.5及以上
- MySQL => 5.7及以上

### 3.5.2. SpringBoot版本已经到2.2.4为最新,为什么选2.2.2?

- 只用SpringBoot,直接用最新版2.2.4 GA

Spring Boot 2.2.4

- 同时用SpringBoot和SpringCloud,需要由SpringCloud决定SpringBoot版本



- SpringCloud和SpringBoot版本对应关系



| SpringCloud Version | SpringBoot Version |
|---------------------|--------------------|
| Hoxton              | 2.2.x              |
| Greenwich           | 2.1.x              |
| Finchley            | 2.0.x              |
| Edgware             | 1.5.x              |
| Dalston             | 1.5.x              |

### 3.5.3. 2.x版本常用软件POM

```

<dependencies>
  <!--spring boot 2.2.2-->
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-dependencies</artifactId>
    <version>2.2.2.RELEASE</version>
    <type>pom</type>
    <scope>import</scope>
  </dependency>
  <!--spring cloud Hoxton.SR1-->
  <dependency>
    <groupId>org.springframework.cloud</groupId>
    <artifactId>spring-cloud-dependencies</artifactId>
    <version>Hoxton.SR1</version>
    <type>pom</type>
    <scope>import</scope>
  </dependency>
  <!--spring cloud alibaba 2.1.0.RELEASE-->
  <dependency>
    <groupId>com.alibaba.cloud</groupId>
    <artifactId>spring-cloud-alibaba-dependencies</artifactId>
    <version>2.1.0.RELEASE</version>
    <type>pom</type>
    <scope>import</scope>
  </dependency>

```

- spring-boot-dependencies => 2.2.2.RELEASE
- spring-cloud-dependencies => Hoxton.SR1
- spring-cloud-alibaba-dependencies => 2.1.0.RELEASE