

# Spring Boot部署到云端

原创

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分类专栏: [Spring](#)

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订阅专栏

部署的要求:

1. //查看java版本, 11以上

```
java -version
```

2. 阿里云或者腾讯云

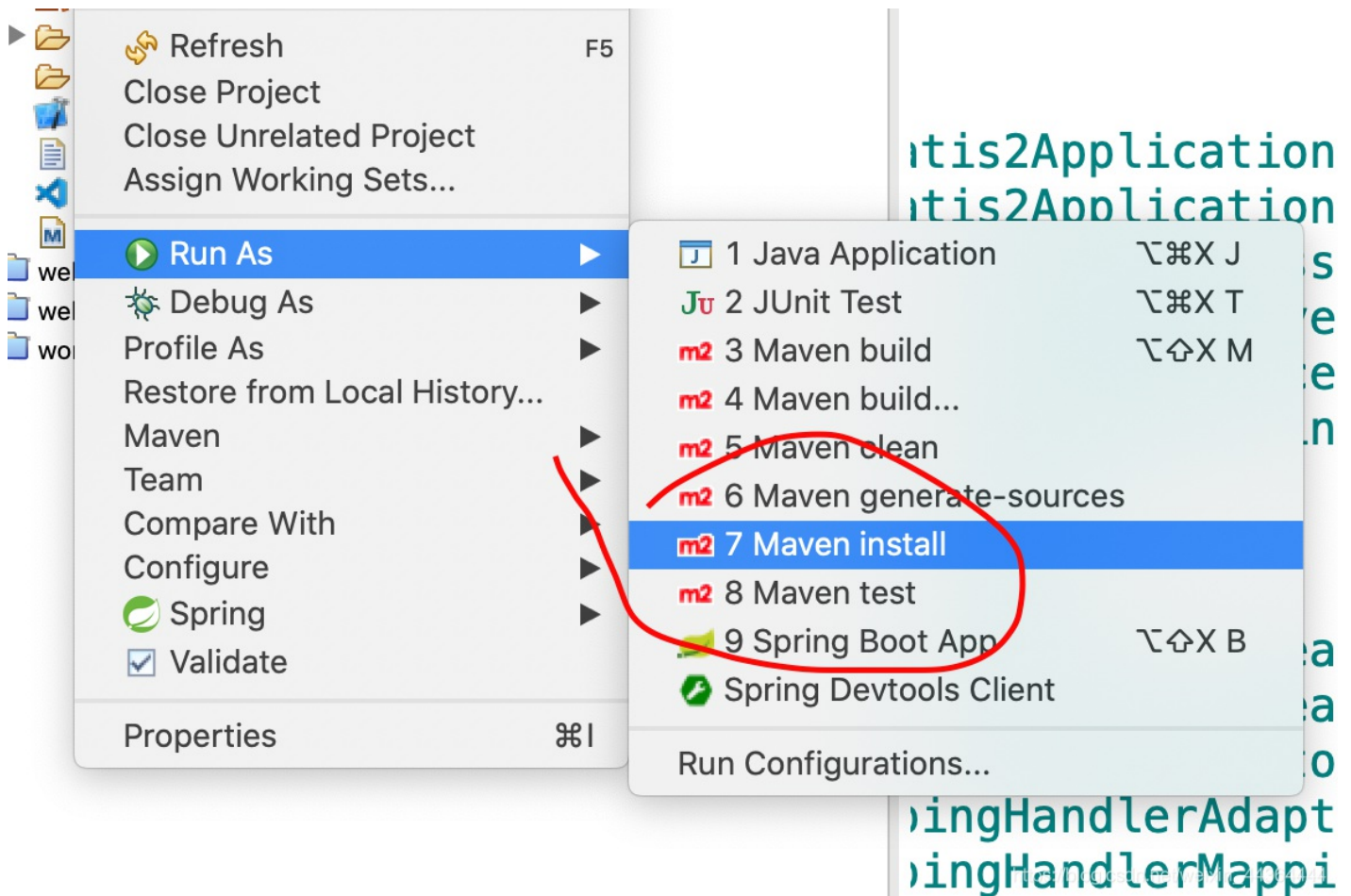
---

1. 结束Spring Boot

```
Application shutdown requested.  
Shutting down ExecutorService 'applicationTaskExecutor'
```

---

2. 打包程序



3.出现下图，表示打包成功

**Tests run: 1, Failures: 0, Errors: 0, Skipped: 0**

```
--- maven-jar-plugin:3.1.2:jar (default-jar) @ mybatis2 ---  
Building jar: /Users/wtao/Documents/workspace/mybatis2/target/mybatis2-0.1.jar  
--- spring-boot-maven-plugin:2.2.5.RELEASE:repackage (repackage) @ mybatis2 ---  
Replacing main artifact with repackaged archive  
--- maven-install-plugin:2.5.2:install (default-install) @ mybatis2 ---  
Installing /Users/wtao/Documents/workspace/mybatis2/target/mybatis2-0.1.jar to /U:  
Installing /Users/wtao/Documents/workspace/mybatis2/pom.xml to /Users/wtao/.m2/rej  
-----  
BUILD SUCCESS  
-----  
Total time: 13.085 s  
Finished at: 2020-03-27T10:41:25+08:00  
-----
```

本地查看安装的java版本（没有的可以去官网下载）

```
C:\Users\Admin>java -version
java version "14" 2020-03-17
Java(TM) SE Runtime Environment (build 14+36-1461)
Java HotSpot(TM) 64-Bit Server VM (build 14+36-1461, mixed mode, sharing)

C:\Users\Admin>_
```

## 本地运行打包后的程序

```
&:后台运行
java -jar path &
```

```
C:\Users\Admin>java -jar C:\Users\Admin\Desktop\hr.jar &

:: Spring Boot :: (v2.2.5.RELEASE)

2020-03-29 11:19:08.170 INFO 14196 --- [main] com.newer.work2.Work2Application : Starting Work2Application v0.1 on DESKTOP-6S18FC3 with PID 14196
C:\Users\Admin\Desktop\hr.jar started by Admin in C:\Users\Admin)
2020-03-29 11:19:08.176 INFO 14196 --- [main] com.newer.work2.Work2Application : No active profile set, falling back to default profiles: default
2020-03-29 11:19:09.880 INFO 14196 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 9000 (http)
2020-03-29 11:19:09.897 INFO 14196 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2020-03-29 11:19:09.898 INFO 14196 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.31]
2020-03-29 11:19:10.030 INFO 14196 --- [main] o.a.c.c.c.[Tomcat].[/] : Initializing Spring embedded WebApplicationContext
2020-03-29 11:19:10.030 DEBUG 14196 --- [main] o.s.web.context.ContextLoader : Published root WebApplicationContext as ServletContext attribute
with name [org.springframework.web.context.WebApplicationContext.ROOT]
2020-03-29 11:19:10.031 INFO 14196 --- [main] o.s.web.context.ContextLoader : Root WebApplicationContext: initialization completed in 1766 ms
2020-03-29 11:19:10.053 DEBUG 14196 --- [main] o.s.b.w.s.ServletContextInitializerBeans : Mapping filters: characterEncodingFilter urls=[/*] order=-2147483
648, formContentFilter urls=[/*] order=-9900, requestContextFilter urls=[/*] order=-105
2020-03-29 11:19:10.054 DEBUG 14196 --- [main] o.s.b.w.s.ServletContextInitializerBeans : Mapping servlets: dispatcherServlet urls=[/]
2020-03-29 11:19:10.495 INFO 14196 --- [main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2020-03-29 11:19:10.507 DEBUG 14196 --- [main] s.w.s.m.m.a.RequestMappingHandlerAdapter : ControllerAdvice beans: 0 @ModelAttribute, 0 @InitBinder, 1 Request
BodyAdvice, 1 ResponseBodyAdvice
2020-03-29 11:19:10.585 DEBUG 14196 --- [main] s.w.s.m.m.a.RequestMappingHandlerMapping : 12 mappings in 'requestMappingHandlerMapping'
2020-03-29 11:19:10.650 DEBUG 14196 --- [main] o.s.w.s.handler.SimpleUrlHandlerMapping : Patterns [/webjars/**, /**] in 'resourceHandlerMapping'
2020-03-29 11:19:10.672 DEBUG 14196 --- [main] .m.m.a.ExceptionHandlerExceptionResolver : ControllerAdvice beans: 0 @ExceptionHandler, 1 ResponseBodyAdvice
2020-03-29 11:19:10.838 INFO 14196 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 9000 (http) with context path ''
2020-03-29 11:19:10.844 INFO 14196 --- [main] com.newer.work2.Work2Application : Started Work2Application in 3.4465401s on port 9000 (http) with context path ''
```

两种方式上传到云端（这里演示上传到阿里云，有兴趣的小伙伴可以试试上传到腾讯云，类似差不多）

```
上传到阿里云
pscp path root@ip:/opt
```

```
启动
&:后台运行
java -jar path &
```

```
查看
netstat -tap|grep java
```

```
上传到腾讯云
pscp path ubuntu@ip
```

```
启动
&:后台运行
java -jar path &
```

```
查看
sudo netstat -tap|grep java
```

上传到阿里云

```
pscp path root@ip:/opt
```

通过终端远程连接阿里云，查看是否上传成功（我上传的在opt文件夹下）

```
root@121.41.98.23's password:
Welcome to Ubuntu 18.04.4 LTS (GNU/Linux 4.15.0-88-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * Latest Kubernetes 1.18 beta is now available for your laptop, NUC, cloud
   instance or Raspberry Pi, with automatic updates to the final GA release.

   sudo snap install microk8s --channel=1.18/beta --classic

 * Multipass 1.1 adds proxy support for developers behind enterprise
   firewalls. Rapid prototyping for cloud operations just got easier.

   https://multipass.run/

 * Canonical Livepatch is available for installation.
   - Reduce system reboots and improve kernel security. Activate at:
   https://ubuntu.com/livepatch

Welcome to Alibaba Cloud Elastic Compute Service !

Last login: Sun Mar 29 10:40:46 2020 from 118.250.113.12
root@aliyun:~# cd /opt
root@aliyun:/opt# ls
hr.jar  mysql-apt-config_0.8.15-1_all.deb  www
https://blog.csdn.net/weixin_44364444
```

后台运行hr.jar

```
hr.jar  mysql-apt-config_0.8.15-1_all.deb  www
root@aliyun:/opt# java -jar hr.jar &
[1] 9503
root@aliyun:/opt#

:: Spring Boot ::
 (v2.2.5.RELEASE)

2020-03-29 11:27:47.115 INFO 9503 --- [main] com.newer.work2.Work2Application : Starting Work2Application v0.1 on aliyun with PID 9503 (/opt/hr.jar
r started by root in /opt)
2020-03-29 11:27:47.124 INFO 9503 --- [main] com.newer.work2.Work2Application : No active profile set, falling back to default profiles: default
2020-03-29 11:27:50.680 INFO 9503 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 9000 (http)
2020-03-29 11:27:50.761 INFO 9503 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2020-03-29 11:27:50.766 INFO 9503 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.31]
2020-03-29 11:27:50.913 INFO 9503 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2020-03-29 11:27:50.914 DEBUG 9503 --- [main] o.s.web.context.ContextLoader : Published root WebApplicationContext as ServletContext attribute w
ith name [org.springframework.web.context.WebApplicationContext.ROOT]
2020-03-29 11:27:50.918 INFO 9503 --- [main] o.s.web.context.ContextLoader : Root WebApplicationContext: initialization completed in 3644 ms
2020-03-29 11:27:51.313 DEBUG 9503 --- [main] o.s.b.w.s.ServletContextInitializerBeans : Mapping filters: characterEncodingFilter urls=[/*] order=-21474836
48, formContentFilter urls=[/*] order=-9900, requestContextFilter urls=[/*] order=-105
2020-03-29 11:27:51.318 DEBUG 9503 --- [main] o.s.b.w.s.ServletContextInitializerBeans : Mapping servlets: dispatcherServlet urls=[/]
2020-03-29 11:27:53.005 INFO 9503 --- [main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2020-03-29 11:27:53.041 DEBUG 9503 --- [main] s.w.s.m.m.a.RequestMappingHandlerAdapter : ControllerAdvice beans: 0 @ModelAttribute, 1 Request
tBodyAdvice, 1 ResponseBodyAdvice
2020-03-29 11:27:53.232 DEBUG 9503 --- [main] s.w.s.m.m.a.RequestMappingHandlerMapping : 12 mappings in 'requestMappingHandlerMapping'
2020-03-29 11:27:53.313 DEBUG 9503 --- [main] o.s.w.s.handler.SimpleUrlHandlerMapping : Patterns [/webjars/**, /**] in 'resourceHandlerMapping'
2020-03-29 11:27:53.350 DEBUG 9503 --- [main] .m.m.a.ExceptionHandlerExceptionResolver : ControllerAdvice beans: 0 @ExceptionHandler, 1 ResponseBodyAdvice
2020-03-29 11:27:53.604 INFO 9503 --- [main] o.apache.catalina.core.StandardService : Stopping service [Tomcat] https://blog.csdn.net/weixin_44364444
2020-03-29 11:27:53.631 INFO 9503 --- [main] ConditionEvaluationReportLoggingListener :
```

浏览器查看是否获得数据

```
你自己的阿里云公网ip:9000/api/v1/dept
```

通过浏览器可以看到Spring Boot打包的数据（已经连接云端数据库的），关于Spring Boot如何连接云端数据库的操作，感兴趣的小伙伴可以去我的其他博客看看，

阿里云上查看到的数据

← → ↻ 🏠 ⓘ 不安全 | 121.41.98.23:9000/api/v1/dept

🌐 应用 🇨🇳 常用HTML颜色表-... 🇨🇳 湖南自学考试网络... 🇯🇵 jsoup Java HTML... 🇹🇼 TL-WR840N 🗣️

```
[{"id":2,"name":"开发","loc":"北京"}, {"id":3,"name":"测试","loc":"上海"}]
```

---

## 本地的数据

🌐 121.41.98.23:9000/api/v1/dept × 🌐 127.0.0.1:9000/api/v1/dept × +

← → ↻ 🏠 ⓘ 127.0.0.1:9000/api/v1/dept

🌐 应用 🇨🇳 常用HTML颜色表-... 🇨🇳 湖南自学考试网络... 🇯🇵 jsoup Java HTML... 🇹🇼 TL-WR84

```
[{"id":2,"name":"开发","loc":"北京"}, {"id":3,"name":"测试","loc":"上海"}]
```

---

因此通过这些操作，我们可以实现前后端分离操作开发。有疑问的小伙伴欢迎留言，也希望大佬们不吝赐教!!!