**开源软件声明**

**OPEN SOURCE SOFTWARE NOTICE**

*请列出使用的全部开源软件*

*Please list all open source software used*

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| **开源软件名称****OPEN SOURCE SOFTWARE NAME** | **开源软件版本****OPEN SOURCE SOFTWARE****VERSION** | **许可证名称****LICENCE NAME** | **开源软件的官网地址****OPEN SOURCE SOFTWARE WEBSITE** |
| CentOS | 7.5 | GPL | https://www.centos.org/ |
| MySQL  | Community Edition5.7.31 | GPL | https://www.mysql.com/ |
| Redis | 4.0.9 | BSD | https://redis.io/ |
| Elasticsearch | 5.5.3 | Apache-2.0 | https://www.elastic.co/cn/ |
| Kafka | 0.10.0.0 | Apache-1.0 | http://kafka.apache.org/ |
| Jdk | 8u191 |  | https://www.oracle.com/index.html |
| Springboot | 1.5.22.RELEAS | Apache-2.0 | https://spring.io/projects/spring-boot/ |
| marria-java-client | 2.5.0 | LGPL | https://mariadb.org/ |
| bcprov-jdk15on | 1.62 | MIT | https://www.bouncycastle.org/ |