**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*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 软件 | 当前版本 | 许可证信息 | 软件提供商地址 | 功能 |
| Docker CE version | 17.09 | [Apache License 2.0](https://en.wikipedia.org/wiki/Apache_License_2.0) | [docker.com](https://www.docker.com/) | 容器化 |
| Kubernates | 1.8 | [Apache License 2.0](https://github.com/kubernetes/kubernetes/blob/master/LICENSES/LICENSE) | <https://github.com/kubernetes/kubernetes> | 容器管理 |
| Play Framework | 2.6.15 | [Apache License 2.0](https://en.wikipedia.org/wiki/Apache_License_2.0) | <https://www.playframework.com/> | Server主服务框架 |
| Spark | 3.0 | [Apache License, Version 2.0](https://www.apache.org/licenses/) | <https://spark.apache.org/> | 分布式计算引擎 （） |
| Spark Job Server | 0.70 | [Apache License, Version 2.0](https://github.com/spark-jobserver/spark-jobserver/blob/master/LICENSE.md) | <https://github.com/spark-jobserver/spark-jobserver> | Spark任务提交与管理 |
| MySQL  CE version | 5.7 | GPL | <https://www.mysql.com/products/community/> | 元数据存储 |
| Cassandra | 3.11 | [Apache License 2.0](https://en.wikipedia.org/wiki/Apache_License_2.0) | <https://cassandra.apache.org/> | 缓存存储 |
| ClickHouse | 20.4.5 | [Apache License 2.0](https://en.wikipedia.org/wiki/Apache_License_2.0) | <https://clickhouse.tech/> | 查询加速引擎（可选） |
| Ngnix | 1.13 | [2-clause BSD](https://en.wikipedia.org/wiki/Simplified_BSD_License) | <https://www.nginx.com/> | Web服务 |
| Promethues | 2.0.0 | [Apache License 2.0](https://github.com/prometheus/prometheus/blob/main/LICENSE) | <https://github.com/prometheus/prometheus> | 监控信息采集存储 |
| Grafana | 6.3.0 | [Apache License 2.0](https://github.com/grafana/grafana/blob/master/LICENSE) | <https://github.com/grafana/grafana> | 监控信息可视化 |
| Zipkin | 1.30 | [Apache License 2.0](https://github.com/openzipkin/zipkin/blob/master/LICENSE) | <https://github.com/openzipkin/zipkin> | 链路追踪 |
| oklog | 0.2.1 | [Apache License 2.0](https://github.com/oklog/oklog/blob/master/LICENSE) | <https://github.com/oklog/oklog> | 日志服务 |
| node-exporter | 0.18.1 | [Apache License 2.0](https://github.com/prometheus/node_exporter/blob/master/LICENSE) | <https://github.com/prometheus/node_exporter> | 节点机器信息采集 |
| JOOQ | 3.11.0 | [Dual License](https://www.jooq.org/doc/3.11/manual/copyright/) | <https://www.jooq.org/> | SQL生成服务 |
| React | 16.9.0 | [MIT](https://github.com/facebook/react/blob/master/LICENSE) | <https://github.com/facebook/react> | 前端界面渲染 |
| Redux | 4.0.1 | [MIT](https://github.com/reduxjs/redux/blob/master/LICENSE.md) | <https://github.com/reduxjs/redux> | 前端状态管理 |
| Re-select | 2.5.3 | [MIT](https://github.com/reduxjs/reselect/blob/master/LICENSE) | <https://github.com/reduxjs/reselect> | 前端状态管理 |
| Redux-thunk | 2.3.0 | [MIT](https://github.com/reduxjs/redux-thunk/blob/master/LICENSE.md) | <https://github.com/reduxjs/redux-thunk> | 前端状态管理 |
| Koa | 2.6.2 | [MIT](https://github.com/koajs/koa/blob/master/LICENSE) | <https://github.com/koajs/koa> | 前端服务器 |
| Koa-Router | 7.4.0 | [MIT](https://github.com/koajs/router/blob/master/LICENSE) | <https://github.com/koajs/router> | 服务器路由管理 |
| React-Router | 5.2.0 | [MIT](https://github.com/ReactTraining/react-router/blob/master/LICENSE) | <https://github.com/ReactTraining/react-router> | 前端页面路由管理 |
| Highcharts、D3、Handsontable | 6.2.0/3.0.0/7.4.0 |  |  | 前端数据可视化 |
| Webpack | 4.36.0 | [MIT](https://webpack.js.org/license/) | <https://webpack.js.org/> | 前端文件打包 |
| BrowserSync | 2.11.1 | [Apache License 2.0](https://github.com/BrowserSync/browser-sync/blob/master/LICENSE) | <https://github.com/BrowserSync/browser-sync> | 前端文件打包 |