

# Software Hardware List

| Software requirements | Hardware requirements                            | OS requirements         |
|-----------------------|--|-------------------------|
| Python 3.x            | CPU with good processing power, 8GB RAM, 1TB HDD | Windows, macOS X, Linux |
| Spark 3.x             |  | Linux                   |
| NiFi 1.x              |  | Windows, macOS X, Linux |
| PostgreSQL            |  | Windows, macOS X, Linux |
| Elasticsearch 7.x     |  | Windows, macOS X, Linux |
| Kibana 7.x            |  | Windows, macOS X, Linux |
| Apache Kafka 2.x      |  | macOS X, Linux          |