

Overview of Bigtop 1.5.0 Support Matrix

| Component | Runtime Dependencies | Package CI | Puppet Deployment | Smoke Test | Smoke Test CI | Smoke Test Requirements | Other notes on installation, migration and operation |
|---------------|---------------------------|------------|-------------------|------------|---------------|---|---|
| Alluxio | HDFS | ✓ | ✓ | ✓ | ✓ | | |
| Ambari | - | ✓ | ✓ | ✓ | ✓ | | |
| Elasticsearch | - | ✓ | ✓ | ✓ | ✓ | | |
| Flink | HDFS, YARN | ✓ | ✓ | ✓ | ✓ | | |
| Flume | - | ✓ | ✓ | ✓ | ✓ | | |
| Giraph | HDFS, YARN | ✓ | ✓ | ✓ | ✓ | | |
| GPDB | - | ✓ | ✓ | ✓ | ✓ | <ul style="list-style-type: none"> At least 2 nodes (master and primary) | |
| HBase | HDFS, Zookeeper | ✓ | ✓ | ✓ | ⚠ | | |
| HDFS/HCFS | (Zookeeper if HA enabled) | ✓ | ✓ | ✓ | ✓ | <ul style="list-style-type: none"> At least 3 nodes of testing cluster is required for node failing test to be passed Allow sshkeys and have ssh support on the hosts | |
| Hive | HDFS, YARN | ✓ | ✓ | ✓ | ✓ | | |
| Ignite Hadoop | HDFS, YARN | ✓ | ✓ | ✓ | ✓ | | |
| Kafka | Zookeeper | ✓ | ✓ | ✓ | ✓ | | |
| Kibana | Elasticsearch | ✓ | ✓ | ✓ | ⚠ | | |
| Livy | HDFS, YARN, Spark | ✓ | ✓ | ✓ | ⚠ | | |
| Logstash | - | ✓ | ✓ | ✓ | ✓ | | |
| Mahout | HDFS, YARN | ✓ | ✓ | ✓ | ✓ | <ul style="list-style-type: none"> MEM >=8G for ML models to be ran successfully | |
| Mapreduce | HDFS, YARN | ✓ | ✓ | ✓ | ✓ | | |
| Oozie | - | ✓ | ✓ | ✓ | ⚠ | | |
| Phoenix | HDFS, HBase, Zookeeper | ✓ | ✗ | ✗ | ✗ | | |
| QFS | HDFS, YARN | ✓ | ✓ | ✓ | ⚠ | | |
| Solr Cloud | HDFS, Zookeeper | ✓ | ✓ | ✓ | ✓ | | |
| Spark | HDFS, YARN | ✓ | ✓ | ✓ | ✓ | | |
| Sqoop | - | ✓ | ✓ | ✓ | ✓ | | |
| Tez | HDFS, YARN, Hive | ✓ | ✓ | ✓ | ✓ | | |
| YARN | HDFS | ✓ | ✓ | ✓ | ✓ | | <ul style="list-style-type: none"> In HA mode, you may have to specify the "yarn.resourcemanager.webapp.address.\$rm-id" property in yarn-site.xml explicitly. Otherwise you may come across NPE when running YARN application, reported as YARN-8056. |
| YCSB | - | ✓ | ✓ | ✓ | ✓ | | |
| Zeppelin | HDFS, YARN, Spark, Hive | ✓ | ✓ | ✓ | ✓ | | |
| Zookeeper | - | ✓ | ✓ | ✓ | ✓ | | |

⚠: partially succeeded (passed on some of the distros/platforms, but failed on others maybe due to environmental problem or resource limitation, etc.)

Platform X Arch CI Coverage Report

| | x86_64 | | AARCH64 | | PPC64LE | |
|--------------|------------|---------------|------------|---------------|------------|---------------|
| | Package CI | Smoke Test CI | Package CI | Smoke Test CI | Package CI | Smoke Test CI |
| CentOS 7 | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |
| CentOS 8 | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |
| Fedora 31 | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |
| Debian 9 | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |
| Debian 10 | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |
| Ubuntu 16.04 | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |
| Ubuntu 18.04 | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |

Package CI Status

Smoke Test CI Status