

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