

# Overview of Bigtop 3.1.0 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	-	✓	✓	✓	✓		If the deployment gets stuck on `ambari-server setup` and PostgreSQL seems to be suspended during deactivating on Rocky Linux 8, running `sudo systemctl daemon-reload` from other terminal may resume the process. See <a href="#">BIGTOP-3553</a> and <a href="https://bugs.centos.org/view.php?id=17461#c38582">https://bugs.centos.org/view.php?id=17461#c38582</a> .
Elasticsearch	-	✓	✓	✓	✓		
Flink	HDFS, YARN	✓	✓	✓	✓		
GPDB	-	✓	✓	✓	✓	<ul style="list-style-type: none"> <li>At least 2 nodes (master and primary)</li> </ul>	
HBase	HDFS, Zookeeper	✓	✓	✓	✓		
HDFS/HCFS	(Zookeeper if HA enabled)	✓	✓	✓	✓	<ul style="list-style-type: none"> <li>At least 3 nodes of testing cluster is required for node failing test to be passed</li> <li>Allow sshkeys and have ssh support on the hosts</li> </ul>	
Hive	HDFS, YARN	✓	✓	✓	✓		
Kafka	Zookeeper	✓	✓	✓	✓		
Kibana	Elasticsearch	✓	✓	✓	✓		
Livy	HDFS, YARN, Spark	✓	✓	✓	✓		
Logstash	-	✓	✓	✓	✓		
MapReduce	HDFS, YARN	✓	✓	✓	✓		
Oozie	-	✓	✓	✓	✓		
Phoenix	HDFS, HBase, Zookeeper	✓	✗	✗	✗		
Solr Cloud	HDFS, Zookeeper	✓	✓	✓	✓		
Spark	HDFS, YARN	✓	✓	✓	✓		
Sqoop	-	✓	✓	✓	✓		
Tez	HDFS, YARN, Hive	✓	✓	✓	✓		
YARN	HDFS	✓	✓	✓	✓		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	-	✓	✓	✓	✓		

## 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	✓	✓	✓	✓	✓	✓

Rocky Linux 8 (for x86_64 and aarch64 only)	✓	✓	✓	✓	-	-
Fedora 35	✓	✓	✓	✓	✓	✓
Debian 10	✓	✓	✓	✓	✓	✓
Debian 11	✓	✓	✓	✓	✓	✓
Ubuntu 18.04	✓	✓	✓	✓	✓	✓
Ubuntu 20.04	✓	✓	✓	✓	✓	✓

Package CI Status

Smoke Test CI Status