Hortonworks Data Flow

Support Matrices

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1. HDF 3.0.0: Support

The matrices in this chapter outline what is supported for HDF 3.0.0.

1.1. Supported Operating Systems

- RHEL/Oracle Linux/CentOS 6 (64-bit)

- RHEL/Oracle Linux/CentOS 7 (64-bit)

- Ubuntu Trusty (14.04) (64-bit)

- Debian 7

- SUSE Linux Enterprise Server (SLES) v12 SP1

- SUSE Linux Enterprise Server (SLES) v11 SP4

- SUSE Linux Enterprise Server (SLES) v11 SP3

1.2. Supported Browsers

- Mozilla Firefox: current & current - 1

- Google Chrome: current & current - 1

- Microsoft Edge

- Safari 8

1.3. Supported HDP Versions

HDF 3.0.0 supports HDP 2.6.1.

If you are running NiFi 1.2.0 only:

- HDP 2.5

- HDP 2.6

If you are running HDP, ensure that you have reviewed the *HDP Support Matrices*.

More Information

HDP Support Matrices

1.4. Supported Ambari Versions

HDF 3.0.0 runs with Ambari 2.5.1.

If you are running Ambari, ensure that you have reviewed the *Ambari Support Matrices*.

More Information

1.5. Supported JDKs

You must have one of the following JDKs installed on the system running HDF.

- Open JDK8

- Oracle JDK 8

If you a performing an installation using Ambari, Oracle JDK 8 is installed for you.

1.6. Supported TLS

NiFi 1.2 supports TLS version 1.2 and later.

1.7. Supported Databases

Ambari requires a relational database to store information about the cluster configuration and topology. A number of additional components also require an existing relational database.

Component	Database	Description
Ambari	• PostgreSQL 9.1.13+,9.3, 9.4*** • MariaDB 10* • MySQL 5.6**** • Oracle 11gr2 • Oracle 12c**	By default, Ambari installs an instance of PostgreSQL on the Ambari Server host. Optionally, you can use an existing instance of PostgreSQL, MySQL or Oracle.
Ranger	• PostgreSQL 9.1.13+, 9.3, 9.4*** • MariaDB 10* • MySQL 5.6**** • Oracle 11gr2 • Oracle 12c**	You must have an existing instance of PostgreSQL , MySQL or Oracle available for Ranger.
Streaming Analytics Manager	• Postgres 9.5 or later • MySQL 5.5 or later	
Schema Registry	• Postgres 9.5 or later • MySQL 5.5 or later	

1.8. HDP and Component Information

HDF 3.0.0 interoperates with the following versions of HDP and HDP components.

Description	Components
NiFi support for Apache component	• **Kafka (Consume/Publish only, Get/Put deprecated)**

Description	Components
	• 0.9.0.1 Kafka client
	• Apache Kafka 0.9.x and 0.10.x broker in both non-kerberized and kerberized modes, with and without SSL
	• HDP 2.4 Kafka 0.9.x broker and HDP 2.5 Kafka 0.10.x broker in both non-kerberized and kerberized modes, with and without SSL
	• HDFS
	• Depends on Hadoop version 2.7.3
	• Apache HDFS 2.6 and 2.7
	• HDP 2.5 and 2.6 HDFS in both non-kerberized and kerberized modes
	• HBase
	• Depends on Hbase version 1.x (Hbase client 1.1.2)
	• Hive
	• • HDP Hive based on Apache Hive 1.2.1 (plus patches that went into HDP 2.5 and 2.6)
	• Storm
	• Depends on Storm 1.0.1
	• NiFi Storm spout and bolt to work with Storm version in HDP 2.5 and 2.6