Hortonworks Data Flow

Support Matrices

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1. HDF 3.0.1.1: Support

The matrices in this chapter outline what is supported for HDF 3.0.1.1.

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 3.0.1.1 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 3.0.1.1 runs with Ambari 2.5.1.

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

More Information

Ambari Support Matrices

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.

Warning

You must install Postgres 9.5 or later for SAM and Schema Registry. Ambari does not install Postgres 9.5, so you must perform a manual Postgres installation.

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	

Component	Database	Description
	• MySQL 5.5 or later	

1.8. HDP and Component Information

HDF 3.0.1.1 interoperates with the following versions of HDP and HDP components.

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