

# Hortonworks Data Flow

## Support Matrices

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## Hortonworks Data Flow: Support Matrices

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# 1. HDF 3.0.2: Support

The matrices in this chapter outline what is supported for HDF 3.0.2.

## 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 3.0.2 supports HDP 2.6.3.

If you are running NiFi 1.2.0 only:

- HDP 2.5.x
- HDP 2.6.x

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 3.0.2 runs with Ambari 2.6.0.

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 are 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                      | <ul style="list-style-type: none"> <li>• PostgreSQL 9.1.13+, 9.3, 9.4***</li> <li>• MariaDB 10*</li> <li>• MySQL 5.6****</li> <li>• Oracle 11gr2</li> <li>• Oracle 12c**</li> </ul> | 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                      | <ul style="list-style-type: none"> <li>• PostgreSQL 9.1.13+, 9.3, 9.4***</li> <li>• MariaDB 10*</li> <li>• MySQL 5.6****</li> <li>• Oracle 11gr2</li> <li>• Oracle 12c**</li> </ul> | You must have an existing instance of PostgreSQL, MySQL or Oracle available for Ranger.   |
| Streaming Analytics Manager | <ul style="list-style-type: none"> <li>• Postgres 9.5 or later</li> <li>• MySQL 5.5 or later</li> <li>• Oracle 12 and 11g Release 2</li> </ul>                                      |   |
| Schema Registry             | <ul style="list-style-type: none"> <li>• Postgres 9.5 or later</li> <li>• MySQL 5.5 or later</li> </ul>   |   |

| Component | Database  | Description |
|-----------|---|-------------|
|           | <ul style="list-style-type: none"> <li>• Oracle 12 and 11g Release 2</li> </ul> |             |

## 1.8. HDP and Component Information

HDF 3.0.2 interoperates with the following versions of HDP and HDP components.

| Description                       | Components   |
|-----------------------------------|--|
| NiFi support for Apache component | <ul style="list-style-type: none"> <li>• <b>Kafka (Consume/Publish only, Get/Put deprecated)</b> <ul style="list-style-type: none"> <li>• 0.9.0.1 Kafka client</li> <li>• Apache Kafka 0.9.x and 0.10.x broker in both non-kerberized and kerberized modes, with and without SSL</li> <li>• 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</li> </ul> </li> <li>• HDFS <ul style="list-style-type: none"> <li>• Depends on Hadoop version 2.7.3</li> <li>• Apache HDFS 2.6 and 2.7</li> <li>• HDP 2.5 and 2.6 HDFS in both non-kerberized and kerberized modes</li> </ul> </li> <li>• HBase <ul style="list-style-type: none"> <li>• Depends on Hbase version 1.x (Hbase client 1.1.2)</li> </ul> </li> <li>• Hive <ul style="list-style-type: none"> <li>• • HDP Hive based on Apache Hive 1.2.1 (plus patches that went into HDP 2.5 and 2.6)</li> </ul> </li> <li>• Storm <ul style="list-style-type: none"> <li>• Depends on Storm 1.0.1</li> <li>• NiFi Storm spout and bolt to work with Storm version in HDP 2.5 and 2.6</li> </ul> </li> </ul> |