

# Supported Deployment Scenarios for Hortonworks

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## Supported Hortonworks Distributions

For the following release, the Trifacta® platform supports the following Hortonworks versions.

**NOTE:** Hortonworks 3.0 and later requires use of native Hadoop libraries. See *Configure for Spark*.

- Hortonworks 3.1.x

**NOTE:** Spark 2.4 is not supported on Hortonworks 3.1. Please use Spark 2.3. See *Configure for Spark*.

- Hortonworks 3.0.x

**NOTE:** Spark 2.4 is not supported on Hortonworks 3.0. Please use Spark 2.3. See *Configure for Spark*.

- Hortonworks 2.6.x

**NOTE:** Hortonworks 2.4.x and Hortonworks 2.5.x are no longer supported. For best results, please upgrade your Hadoop distribution.

## Notes:

- **Update Date:** July 29, 2019
- The Trifacta platform supports all variants of patch or point releases (X.Y.\* and X.Y.\*.\* releases) through the Hadoop vendor's backwards compatibility policy.
- For individual versions of Hadoop components (such as HDFS, Spark, and Hive), the Trifacta platform supports the component version that is bundled with the vendor's package for the supported Hadoop distribution.
- For more information on how to set up your Hadoop distribution, please consult the documentation provided with your distribution or contact your distribution vendor.

## Supported Deployments

**NOTE:** The Trifacta platform software must be installed on a Ambari/Hadoop client of the Hortonworks cluster. For more information, see *System Requirements*.

**NOTE:** After the Trifacta software has been installed, additional configuration is required for integration with the Hortonworks Data Platform. See *Configure for Hortonworks*.

**NOTE:** Unless otherwise noted, all items listed below are supported across all versions listed above. Unlisted items are not supported. Please contact *Trifacta Support* or your sales representative for items not listed here.

## Deployment System

Item	Description
Physical On Premise Machines	Supported.
VMWare / VXServer	Supported.

**NOTE:** Deployment to an Amazon EC2 is supported. See *Supported Deployment Scenarios for AWS*.

## Running Environment

Item	Description
Spark	Supported.
Trifacta Photon	Supported.

## Platform Security

Item	Description
HDFS File Permissions	Supported.
HDFS Privileges	Supported through Ranger.
Hive Privileges	Supported through Ranger.
Kerberos-Enabled Hadoop Cluster	Supported. See <i>Configure for Kerberos Integration</i> .
Secure User Impersonation	Supported. See <i>Configure for Secure Impersonation</i> .

## High Availability

Item	Description
Name Node, Resource Manager, HttpFS	Supported. See <i>Enable Integration with Cluster High Availability</i> .

## Metadata Publishing

Item	Description
Hive Publishing	Supported. See <i>Configure for Hive</i> .
Redshift Publishing	Supported. See <i>Run Job Page</i> . See <i>Publishing Dialog</i> .

## File Formats

See *Supported File Formats*.

## Connectivity

### Hadoop Connectivity

The Trifacta platform supports connectivity for execution to the following Hadoop environments for this vendor's distributions.

Running Environment	HDFS Reader	HDFS Writer	Hive Reader w/ HiveServer2
Spark	Supported.	Supported.	Supported.

Profiling Environment	HDFS Reader	HDFS Writer
Profiling on Spark	Supported.	Supported.

### External Connectivity

Storage Platform	HDFS Reader	HDFS Writer
S3	Supported.	Supported.

Storage Platform	Amazon S3 Reader	Amazon S3 Writer
Spark Profiling	Supported.	Supported.

## Notes

- None.