

# Hortonworks DataFlow enables enterprises to quickly build streaming applications for real-time analytics

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## Overview

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Hortonworks DataFlow (HDF) is an enterprise-ready open source streaming data platform with Flow Management, Stream Processing, and Management Services components. It collects, curates, analyzes, and acts on data in the data center and cloud. Hortonworks DataFlow is powered by key open source projects, including Apache NiFi/MiNiFi, Apache Kafka, Apache Storm, and Druid.

The official Apache versions for Hortonworks DataFlow V3.2 include:

- Apache Ambari 2.7.0
- Apache Kafka 1.1.1
- Apache NiFi 1.7.0
- NiFi Registry 0.2.0
- Apache Ranger 1.1.0
- Apache Storm 1.2.1
- Apache ZooKeeper 3.4.6
- Apache MiNiFi Java™ Agent 0.5.0
- Apache MiNiFi C++ 0.5.0
- Hortonworks Schema Registry 0.5.3
- Hortonworks Streaming Analytics Manager 0.6.0
- Apache Knox 1.0.0

IBM<sup>(R)</sup> clients can download this new offering from Passport Advantage<sup>(R)</sup>.

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## Key prerequisites

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For details, see the [Software requirements](#) section.

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## Planned availability date

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September 4, 2018

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## Description

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**Hortonworks DataFlow (HDF)** provides an end-to-end platform that collects, curates, analyzes, and acts on data in real time, on premises or in the cloud, with a drag-and-drop visual interface. This platform includes Flow Management, Stream Processing, and Management Services.

**Hortonworks DataFlow Enterprise Flow Management** includes support services for Apache NiFi/MiNiFi, which provide easy ingestion, routing, management, and delivery of any data anywhere (edge, cloud, and data center) to any downstream system with intelligence. With Flow Management, you get the following benefits:

- Extremely easy data collection where more than 220 data processors are integrated and data collection is independent of the source
- Runtime adaptability with real-time visual control of data flows to add or adjust data sources and pipeline
- Always-on data provenance audit trails where data is traceable to where it came from, how it was used, who viewed it, and whether it was sent, copied, transformed, or received

**Hortonworks DataFlow Enterprise Stream Processing** includes support services for Apache Kafka and Storm, and Streaming Analytics Manager. Kafka and Storm enable immediate and continuous insights using aggregations over windows, pattern matching, and predictive and prescriptive analytics. With the newly introduced integrated Streaming Analytics Manager, users can get the following benefits:

- Build easily with a drag-and-drop visual paradigm to create an analytics application
- Operate efficiently by easily testing, troubleshooting, and monitoring the deployed application
- Analyze quickly with an analytics engine powered by Druid and a rich visual dashboard powered by Apache Superset

**Hortonworks DataFlow Enterprise Management Services** delivers provisioning, management, monitoring, security, auditing, compliance, and governance to enable IT to manage the entire HDF cluster efficiently and comprehensively. These enterprise services include support services for components including:

- Apache Ambari for operational cluster management
- Apache Ranger for security across both Hortonworks Data Platform and Hortonworks DataFlow
- Hortonworks Schema Registry, which improves end-to-end data governance and operational efficiency by providing a centralized registry, supporting version management and enabling schema validation
- Apache NiFi Registry, which facilitates the development, management, and portability of data flows

### **Accessibility by people with disabilities**

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A US Section 508 Accessibility Compliance Report containing details on accessibility compliance can be found on the [Product accessibility information](#) website.

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## Program number

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<b>Program number</b>	<b>VRM</b>	<b>Program name</b>
5737-I18	3.2.0	Hortonworks DataFlow Enterprise

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## Offering Information

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Product information is available on the [IBM Offering Information](#) website.

More information is also available on the [Passport Advantage and Passport Advantage Express<sup>\(R\)</sup>](#) website.

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## Publications

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None.

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## Services

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### Software Services

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## Technical information

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### Specified operating environment

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#### Software requirements

Operating System	Version
CentOS (64-bit)	CentOS 7.0, 7.1, 7.2, 7.3, and 7.4
Red Hat (64-bit)	RHEL 7.0, 7.1, 7.2, 7.3, and 7.4
Red Hat (64-bit)	RHEL 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, and 6.9

  

Browser	Version
Internet Explorer	10.11
Safari	10.0.1 and 10.0.3

  

JDK	Version
OpenJDK	JDK8
OracleJDK	JDK8

## Planning information

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### Packaging

This offering is delivered through the internet as an electronic download. There is no physical media.

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, which will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

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## Ordering information

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For ordering information, consult your IBM representative or authorized IBM Business Partner, or go to the [Passport Advantage](#) website.

Product: Hortonworks DataFlow Enterprise (5737-I18)

### Passport Advantage

Part description	Part number
HORTONWORKS DATAFLOW ENTERPRISE FLOW MANAGEMT VPC MONTHLY LICENSE	D209TLL
HTWKS DATAFLOW ENTERPRISE STREAM PROCESSING VS MONTHLY LICENSE	D209ULL
HORTONWORKS DATAFLOW ENTERPRISE MNGMT SVCS INSTALL MONTHLY LICENSE	D209VLL

### Charge metric

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Definitions of the charge metrics for these licensed products can be found in the following License Information documents:

Program name	PID number	License Information document number
Hortonworks DataFlow Enterprise Flow Management	5737-I18	<a href="#">L-MLOY-AZBNE6</a>
Hortonworks DataFlow Enterprise Stream Processing	5737-I18	<a href="#">L-MLOY-AZBQ7L</a>
Hortonworks DataFlow Enterprise Management Services	5737-I18	<a href="#">L-MLOY-AZBQHX</a>

Select your language of choice and scroll down to the Charge Metrics section.

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The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and IBM Agreement for Acquisition of Software Maintenance.

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## **License Information number**

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The following License Information documents apply to the offerings in this announcement:

<b>Program identifier</b>	<b>License Information document title</b>	<b>License Information document number</b>
5737-I18	Hortonworks DataFlow Enterprise Flow Management	<a href="#">L-MLOY-AZBNE6</a>
5737-I18	Hortonworks DataFlow Enterprise Stream Processing	<a href="#">L-MLOY-AZBQ7L</a>
5737-I18	Hortonworks DataFlow Enterprise Management Services	<a href="#">L-MLOY-AZBQHX</a>

Select your language of choice and scroll down to the Charge Metrics section. Follow-on releases, if any, may have updated terms. See the [License Information documents](#) website for more information.

## **Limited warranty applies**

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Yes

## **Limited warranty**

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### **Volume orders (IVO)**

No

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### **Passport Advantage applies**

Yes, information is available on the [Passport Advantage and Passport Advantage Express](#) website.

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### **Software Subscription and Support applies**

Yes. Software Subscription and Support, also referred to as Software Maintenance, is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and Technical Support are provided by the Software Subscription and Support offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

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[Software Support Lifecycle](#)

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**Variable charges apply**

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No

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**Educational allowance available**

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Not applicable

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**Statement of good security practices**

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**Prices**

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**Business Partner information**

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**Passport Advantage**

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## **Corrections**

### **(Corrected on February 13, 2019)**

A link to Software Subscription and Support information was added.