

# Hortonworks DataPlane Service

## Release Notes

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## Hortonworks DataPlane Service (DPS™): Release Notes

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# 1. DPS™ 1.0 Release Notes

This document provides you with the latest information about the Hortonworks DataPlane Service (DPS) 1.0 release and its product documentation.

## 1.1. Supported Versions of Service Plugins

Hortonworks DPS provides an extensible platform that multiple service apps can plug into. In DPS 1.0, Data Lifecycle Manager (DLM) 1.0 is available and supported with DPS. Data Steward Studio (DSS) is shipped as a Evaluation Software with DPS 1.0.



### Note

For information on software licensing and notices, please refer to the Licenses and Notices files included with the software install package.

## 1.2. Support Matrices

See the [DPS Support Matrices](#) for details about support and requirements for the following items in DPS Platform, DLM, and DSS (Evaluation Software):

- HDP versions
- Databases
- Browsers
- Other software
- Memory
- Ports
- LDAP and AD
- Knox
- Apache component requirements

## 1.3. Features

This section highlights the current features in the Hortonworks DPS suite.

See [Unsupported Features](#) for an overview of DSS features available for Evaluation Software

Service	Features
DPS Platform	Provides the ability to perform a set of activities common to all service plugins. <ul style="list-style-type: none"><li>• Credential federation (SSO) across clusters/data lakes</li><li>• Role management for all DPS services</li></ul>

Service	Features
	<ul style="list-style-type: none"> <li>Cluster registration and enablement for DPS services</li> <li>Service plugin enablement</li> <li>LDAP configuration for DPS</li> </ul>
DLM Service	<p>Provides data replication capabilities between HDP clusters on-premise or hosted in the cloud.</p> <ul style="list-style-type: none"> <li>Replication policy creation and management</li> <li>Monitoring of replication job status</li> <li>Cluster pairing</li> </ul>

## 1.4. Unsupported Features

This section lists some features that are not currently supported in Hortonworks DPS 1.0.

Although the features listed in the Evaluation Software section are available for DPS, Hortonworks does not currently support them in a production environment.

- [Evaluation Software Features \[2\]](#)
- Transparent Data Encryption (TDE)
- Wire encryption (in-flight)
- Constraint replication for Hive 2
- Table and column statistics are not replicated for Hive tables

### 1.4.1. Evaluation Software Features

The following Evaluation Software is provided without charge and pursuant to your the DataPlane Service Terms of Use. Evaluation Software may only be used for internal business, evaluation, and non-production purposes. Feedback on Evaluation Software is welcomed and may be submitted through your regular support channels. The following features are available with DSS Evaluation Software on DPS 1.0:

Service	Features
DSS Service	<p>Provides a unified stewardship console to understand, organize, and curate data assets.</p> <ul style="list-style-type: none"> <li>Create and manage asset collections that help organize different physical assets by how they are relevant to and used in a business context.</li> <li>View the details of data assets in multiple clusters and understand how data assets are secured</li> </ul> <p>Consolidate metadata views for Hive data assets</p> <ul style="list-style-type: none"> <li>Understand and profile how data assets are accessed and used through mining of audit logs for authorization</li> <li>Compute data profile for columns of an asset</li> <li>Display visualizations of profiled data</li> <li>Shows upstream lineage and downstream impact</li> </ul>

## 1.5. Behavioral Changes

See the HDP 2.6.3 Release Notes for information about changes in behavior to underlying Apache components.

## 1.6. Known Issues

Hortonworks Bug ID	DPS Service	Summary
BUG-87028	DPS Platform UI	<p><b>Summary:</b> Cluster status is not consistent between the DLM App and the DPS Platform pages.</p> <p><b>Description:</b> The status for NodeManager and for the DataNode on a cluster can take up to 10 minutes to update in DPS Platform.</p> <p><b>Workaround:</b> If the information does not update, wait a few minutes and refresh the page to view the status.</p>
BUG-90784	DLM Service UI	<p><b>Summary:</b> Ranger UI does not display Deny policy items</p> <p><b>Description:</b> When a policy with deny conditions is created on Ranger-admin in a replication relationship, the Policy Details page in Ranger does not display the deny policy items.</p> <p><b>Workaround:</b> If Deny policy items do not appear on the Ranger admin Policy Detail page then please update the respective service-def with enableDenyAndExceptionsInPolicies="true" option.</p> <p>Refer to section "2.2 Enhanced Policy model" in <a href="https://cwiki.apache.org/confluence/display/RANGER/Deny-conditions+and+excludes+in+Ranger+policies">https://cwiki.apache.org/confluence/display/RANGER/Deny-conditions+and+excludes+in+Ranger+policies</a></p>
	DLM Service UI	<p><b>Summary:</b> Under some circumstances, a successful HDFS data transfer displays incorrect information, instead of the actual bytes transferred.</p> <p><b>Description:</b></p> <p>The bytes transferred are not properly shown when map tasks are killed because of nodes being lost in a cluster. In an attempt to recover, new map tasks are launched, resulting in improperly displayed statistics.</p> <p><b>Workaround:</b> None</p>
BUG-91081	DSS	<p><b>Issue:</b> During installation, DP Profiler fails to start the DP Profiler service with error: No java installations was detected.</p> <p><b>Description:</b> There is an issue in the way DP Profiler is locating the Java path. If Java is installed from a tarball, as opposed to via a package manager like yum, it does not get added to the system path.</p> <p><b>Workaround:</b> The system on which DP Profiler is being installed must have Java in the system's PATH variable, so that Java can be detected correctly.</p>
BUG-91018	DLM Engine, API	<p><b>Issue:</b> If a slash is appended to the HDFS path, then HDFS replication fails for Ranger.</p> <p><b>Description:</b> When defining HDFS replication policies, including a slash at the end of the HDFS path causes the replication job to fail.</p> <p><b>Workaround:</b> Do not add a slash at the end of the HDFS path. This is a limitation when HDFS replication policy is created through a REST API call.</p>
BUG-91161	DSS	<p><b>Summary:</b> Spark history from DSS jobs are filling up HDFS capacity.</p>

Hortonworks Bug ID	DPS Service	Summary
		<p><b>Description:</b> The profiler jobs in DSS cause a lot of information to be generated in spark-history on HDFS. These can fill up HDFS capacity if not managed properly.</p> <p><b>Workaround:</b></p> <ol style="list-style-type: none"><li>1. Login to Ambari on the cluster.</li><li>2. Select Spark2&gt;Configs&gt;Custom spark2-defaults.</li><li>3. Add the following, one per line: <pre>spark.history.fs.cleaner.enabled=true spark.history.fs.cleaner.interval=1d spark.history.fs.cleaner.maxAge=7d</pre></li></ol> <p>This causes spark history from jobs older than 7 days to be cleaned up once per day. Adjust the values to your needs.</p>

## 1.7. Hortonworks DPS Repositories

Ensure that you have downloaded the required tarballs and MPacks from the customer portal, following instructions that were provided as part of the product procurement process.