Hortonworks DataFlow

Release Notes

(July 27, 2017)

Hortonworks DataFlow: Release Notes

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1.1. Component Support

HDF 3.0.1 includes the following components:

- Apache Ambari 2.5.1

- Apache Kafka 0.10.2.1

- Apache NiFi 1.2.0

- Apache Ranger 0.7.0

- Apache Storm 1.1.0

- Apache ZooKeeper 3.4.6

- Apache MiNiFi Java Agent 0.2.0

- Apache MiNiFi C++ Technical Preview

- Hortonworks Schema Registry 0.3.0

- Hortonworks Streaming Analytics Manager 0.5.0

1.1.1. Component Availability in HDF

Previous HDF releases shipped with the following components versions.

	NiFi	Storm	Kafka	ZooKeeper	Ambari	Ranger	MiNiFi Java Agent	MiNiFi C++	Streaming Analytics Manager	Schema Registry
HDF 3.0.1	1.2.0	1.1.0	0.10.2.1	3.4.6	2.5.1	0.7.0	0.2.0	TP	0.5.0	0.3.0
HDF 3.0.0	1.2.0	1.1.0	0.10.2.1	3.4.6	2.5.1	0.7.0	0.2.0	TP	0.5.0	0.3.0
HDF 2.1.4	1.1.0	1.0.2	1.10.1	3.4.6	2.4.2.0	0.6.2	0.1.0	TP	N/A	N/A
HDF 2.1.2	1.1.0	1.0.2	0.10.1	3.4.6	2.4.2.0	0.6.2	0.1.0	TP	N/A	N/A
HDF 2.1.1	1.1.0	1.0.2	0.10.1	3.4.6	2.4.2.0	0.6.2	0.1.0	TP	N/A	N/A
HDF 2.1.0	1.1.0	1.0.2	0.10.1	3.4.6	2.4.2.0	0.6.2	0.1.0	TP	N/A	N/A
HDF 2.0.2	1.0.0	1.0.1	0.10.0.1	3.4.6	2.4.1.0	0.6.0	0.0.1	TP	N/A	N/A
HDF 2.0.1	1.0.0	1.0.1	0.10.0.1	3.4.6	2.4.1.0	0.6.0	0.0.1	TP	N/A	N/A
HDF 2.0.0	1.0.0	1.0.1	0.10.0.1	3.4.6	2.4.0.1	0.6.0	0.0.1	TP	N/A	N/A
HDF 1.2.1	0.6.1	0.10.0	0.9.0.1	3.4.6	N/A	N/A	N/A	N/A	N/A	N/A
HDF 1.2.0.1	0.6.1	0.10.0	0.9.0.1	3.4.6	N/A	N/A	N/A	N/A	N/A	N/A
HDF 1.2.0	0.6.0	0.10.0	0.9.0.1	3.4.6	N/A	N/A	N/A	N/A	N/A	N/A
HDF 1.1.0	0.4.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDF 1.0	0.3.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

1.2. What's New in HDF 3.0.1

HDF 3.0.1 is a maintenance release that includes the following improvements and bug fixes:

NiFi bug fixes and improvements

- BUG-78728 – POST lineage query does not contain eventID in the request.

- BUG-83921 – Occasional deadlock when trying to clean up old Content Claims.

- BUG-83845 – Processors failing to run with validation errors when fields are populated.

- BUG-83704 – Make configurable maximum number of concurrent requests.

- BUG-83689 – Slow response times when requesting Process Group Status.

- BUG-83542 – NiFi reports too many pending requests.

- BUG-83538 – GenerateTableFetch - Add a warning when not correctly setting the connections.

- BUG-83516 – ConsumeKafkaRecord can throw NPE if using an Avro Reader and data on topic is missing a required field.

- BUG-83515 – Queue with flow files thinks it is empty.

- BUG-83514 – Average Lineage Duration stat is sometimes incorrect for cluster aggregate.

- BUG-83511 – ConsumeEWS May Generate Unusable Emails.

- BUG-83510 – Error in SiteToSiteProvenanceReportingTask event type description.

- BUG-83509 – StandardFlowSynchronizerSpec relies on other test.

- BUG-83508 – Avro Schema with default values can cause NPE.

- BUG-83507 – ListSFTP fails to retrieve user home directory for certain user accounts.

- BUG-83506 – ListFTP/ListSFTP does not provide file.size attribute.

- BUG-83505 – QueryRecord hits a run time exception when using double quotes.

- BUG-83504 – NPE at AbstractConfiguredComponent.validate if controller service bundle is not found.

- BUG-83503 – Funnel with no outgoing connections and a queued Flow File uses high CPU.

- BUG-83502 – Inconsistent State for RPGs.

- BUG-83501 – GrokRecordReader returns empty record for lines that do not match even when "No Match Behavior" set to "Skip Line".

- BUG-83500 – IPLookupService returns a Record with all null fields if the given IP cannot be found.

- BUG-83499 – Connection config window allows you to drag prioritizers in weird ways

- BUG-83498 – GetSQS Does Not Request Message Attributes.

- BUG-83322 – Add UTF8 support for GetFTP

- BUG-82984 – ZooKeeper snapshots are not been auotpurged, despite having autopurge options configured.

- BUG-82398 – HDF/NiFi Ambari deployment needs to align with bootstrap.conf/nifi.properties.

- BUG-82138 – Enable expression language on Fetch/List/Put SFTP and List/Fetch/Put/Delete HDFS processor properties.

Streaming Analytics bug fixes and improvements

- BUG-81163 – HBase Client retries must be configurable.

- BUG-81109 – Add Select All to most to processor where applicable.

- BUG-84191 – Fix issues observed during Hive Sink testing.

- BUG-84164 – The response code for invalid ambari username password while adding service pool is 200.

- BUG-83427 – Avro schema with nullable fields throws runtime exception in SAM application.

- BUG-83426 – Reader and writer SR schema versions for sources and sinks.

- BUG-83180 – Add proxy settings for SAM in Mpack.

- BUG-83179 – Enable Hive Sink with token based auth in SAM tests.

- BUG-83176 – UDF Table text needs to be cleaned up.

- BUG-83174 – Make SSL trust store password config field in kafka source and sink mandatory for SSL.

- BUG-83173 – SAM UI Improvements.

- BUG-82882 – Add service text is too close to the other service name.

- BUG-82877 – Testing email notifier enabled.

- BUG-82876 – Errors in sam logs.

- BUG-82400 – Connecting Edge did not go away when upstream component was removed.

- BUG-82337 – Streamline occasionally runs into problem with bootstrap.

- BUG-82112 – Putting a special character like question mark in any processor name causes exception in App Deployment.

- BUG-82082 – Developer Role should not see edit actions on Service Pool entities.

- BUG-81282 – Delete should not go through if the topology is running.

Storm bug fixes and improvements

- BUG-83178 – Storm token based auth needs to use the Users identity rather than impersonation user identity.

For complete information about the HDF 3.0.0 release, see the HDF 3.0.0 Release Notes.

1.3. Unsupported Features

Some features exist within HDF 3.0.1, but Hortonworks does not currently support these capabilities.

- Technical Preview Features [5]

- Community Driven Features [5]

- Unsupported Customizations [7]

1.3.1. Technical Preview Features

The following features are available within HDF 3.0.1 but are not ready for production deployment. Hortonworks encourages you to explore these technical preview features in non-production environments and provide feedback on your experiences through the Hortonworks Community Forums.

Table 1.1. Technical Previews

Component	Feature
MiNiFi	MiNiFi C++

Streaming Analytics Manager	• SAM Stream Insights module (Druid and Apache Superset)
	
	• Sinks
	
	  • Cassandra
	
	  • OpenTSDB
	
	  • Solr
	
	• Sources
	
	  • HDFS

1.3.2. Community Driven Features

The following features are developed and tested by the Hortonworks community but are not officially supported by Hortonworks. These features are excluded for a variety of reasons, including insufficient reliability or incomplete test case coverage, declaration of non-production readiness by the community at large, and feature deviation from Hortonworks best practices. Do not use these features in your production environments.

Community Driven Kafka features

• Kafka Connect

• Kafka Streams

Community Driven NiFi Tools and Services

• Embedded ZooKeeper

• Sensitive key migration toolkit

• Docker image for Apache NiFi

Community Driven NiFi Processors

• AttributeRollingWindow

• AWSCredentialsProviderControllerService

• CompareFuzzyHash

• ConsumeEWS

- ConsumeIMAP

- ConsumePOP3

- ConvertExcelToCSVProcessor

- DebugFlow

- DeleteDynamoDB

- DeleteGCSObject

- DeleteHDFS

- ExtractCCDAAttributes

- ExtractEmailAttachments

- ExtractEmailHeaders

- ExtractMediaMetadata

- ExtractTNEFAttachments

- FetchAzureBlobStorage

- FetchGCSObject

- FuzzyHashContent

- GetDynamoDB

- GetHDFSEvents

- GetSNMP

- ISPEnrichIP

- InferAvroSchema

- ListenBeats

- ListenLumberjack

- ListenSMTP

- ListAzureBlobStorage

- ListGCSBucket

- ListS3

- ModifyBytes

- OrcFormatConversion

- PutAzureBlobStorage

- PutDynamoDB

- PutGCSObject

- PutIgniteCache

- PutKinesisFirehose

- PutKinesisStream

- PutLambda

- PutSlack

- PutTCP

- PutUDP

- QueryDNS

- SetSNMP

- SpringContextProcessor

- StoreInKiteDataset

Community Driven NiFi Controller Services

- AWSCredentialsProviderControllerService

- GCPCredentialsControllerService

Community Driven NiFi Reporting Tasks

- SiteToSiteBulletinReportingTask

- SiteToSiteStatusReportingTask

- DataDogReportingTask

1.3.3. Unsupported Customizations

Hortonworks cannot guarantee that default NiFi processors are compatible with proprietary protocol implementations or proprietary interface extensions. For example, we support interfaces like JMS and JDBC that are built around standards, specifications, or open protocols. But we do not support customizations of those interfaces, or proprietary extensions built on top of those interfaces.

1.4. Deprecated Technologies

This section points out any technology from previous releases that has been deprecated or removed from this release (operating systems, Java versions, databases, product features). Use this section as a guide for your implementation plans.

Deprecated   Technology that Hortonworks is removing in a future
                                      release. Deprecated items are supported until they are
                                      removed; deprecation gives you time to plan for removal.

Removed   Technology that Hortonworks has removed from
                                      production and is no longer supported.

Table 1.2. Deprecated Operating Systems

Operating System	Release Deprecated	Release Removed
Debian 6	HDF 2.1.2	HDF 3.0.0
Ubuntu 12	HDF 3.0.0	HDF 3.0.0

Table 1.3. Deprecated NiFi Processors

Processor	Release Deprecated
ConvertCSVToAvro	HDF 3.0.0
ConvertJSONToAvro	HDF 3.0.0
GetKafka	HDF 2.0.0
PutKafka	HDF 2.0.0
EvaluateRegularExpression	HDF 1.0.0

1.5. HDF Repository Locations

Use the following table to identify the HDF 3.0.0 repository location for your operating
system and operational objectives. HDF 3.0.0 supports the following operating systems:

- RHEL/Oracle Linux/CentOS 6 HDF repository & additional download locations [8]

- RHEL/Oracle Linux/CentOS 7 HDF repository & additional download locations [9]

- **SLES 11 SP3/SP4** HDF repository & additional download locations [10]

- SLES 12 HDF repository & additional download locations [10]

- Ubuntu 14 HDF repository & additional download locations [11]

- Debian 7 HDF repository & additional download locations [12]

Table 1.4. RHEL/Oracle Linux/CentOS 6 HDF repository & additional download locations

OS	Format	Download location
RHEL/Oracle Linux/CentOS 6 (64-bit):	HDF Base URL	http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.0.1.0
	HDF Repo	http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.0.1.0/hdf.repo
	RPM tarball	http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.0.1.0/HDF-3.0.1.0-centos6-rpm.tar.gz
	Tars tarball	http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.0.1.0/HDF-3.0.1.0-centos6-tars-tarball.tar.gz

OS	Format	Download location
	HDF Management Pack	http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.0.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.0.1.0-43.tar.gz
	HDP and Ambari Repositories	
	Ambari	http://public-repo-1.hortonworks.com/ambari/centos6/2.x/updates/2.5.1.0/ambari.repo
	HDP	http://public-repo-1.hortonworks.com/HDP/centos6/2.x/updates/2.6.1.0/hdp.repo
	OS Agnostic Downloads	
	NiFi only	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-1.2.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-1.2.0.3.0.1.0-43-bin.tar.gz
	NiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-toolkit-1.2.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-toolkit-1.2.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Java Agent	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-1.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-1.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-toolkit-1.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-toolkit-1.0.3.0.1.0-43-bin.tar.gz

Table 1.5. RHEL/Oracle Linux/CentOS 7 HDF repository & additional download locations

OS	Format	Download location
RHEL/Oracle Linux/CentOS 7 (64-bit):	HDF Base URL	http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.0.1.0
	HDF Repo	http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.0.1.0/hdf.repo
	RPM tarball	http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.0.1.0/HDF-3.0.1.0-centos7-rpm.tar.gz
	Tars tarball	http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.0.1.0/HDF-3.0.1.0-centos7-tars-tarball.tar.gz
	HDF Management Pack	http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.0.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.0.1.0-43.tar.gz
	MiNiFi C++ Agent	http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.0.1.0/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.2.0-bin.tar.gz
	HDP and Ambari Repositories	
	Ambari	http://public-repo-1.hortonworks.com/ambari/centos7/2.x/updates/2.5.1.0/ambari.repo
	HDP	http://public-repo-1.hortonworks.com/HDP/centos7/2.x/updates/2.6.1.0/hdp.repo
	OS Agnostic Downloads	
	NiFi only	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-1.2.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-1.2.0.3.0.1.0-43-bin.tar.gz
	NiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-toolkit-1.2.0.3.0.1.0-43-bin.zip

OS	Format	Download location
		• Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-toolkit-1.2.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Java Agent	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-1.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-1.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-toolkit-1.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-toolkit-1.0.3.0.1.0-43-bin.tar.gz

Table 1.6. SLES 11 SP3/SP4 HDF repository & additional download locations

OS	Format	Download location
SUSE Enterprise Linux 11 SP3, SP4	HDF Base URL	http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.0.1.0
	Repo	http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.0.1.0/hdf.repo
	RPM tarball	http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.0.1.0/HDF-3.0.1.0-suse11sp3-rpm.tar.gz
	Tars tarball	http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.0.1.0/HDF-3.0.1.0-suse11sp3-tars-tarball.tar.gz
	HDF Management Pack	http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.0.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.0.1.0-43.tar.gz
	HDP and Ambari Repositories	
	Ambari	http://public-repo-1.hortonworks.com/ambari/suse11/2.x/updates/2.5.1.0/ambari.repo
	HDP	http://public-repo-1.hortonworks.com/HDP/suse11sp3/2.x/updates/2.6.1.0/hdp.repo
	OS Agnostic Downloads	
	NiFi only	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-1.2.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-1.2.0.3.0.1.0-43-bin.tar.gz
	NiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-toolkit-1.2.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-toolkit-1.2.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Java Agent	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-1.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-1.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-toolkit-1.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-toolkit-1.0.3.0.1.0-43-bin.tar.gz

Table 1.7. SLES 12 HDF repository & additional download locations

OS	Format	Download location
SUSE Linux Enterprise	HDF Base URL	http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.0.1.0

OS	Format	Download location
Server (SLES) v12 SP1	Repo	http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.0.1.0/hdf.repo
	RPM tarball	http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.0.1.0/HDF-3.0.1.0-sles12-rpm.tar.gz
	Tars tarball	http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.0.1.0/HDF-3.0.1.0-sles12-tars-tarball.tar.gz
	HDF Management Pack	http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.0.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.0.1.0-43.tar.gz
	HDP and Ambari Repositories	
	Ambari	http://public-repo-1.hortonworks.com/ambari/sles12/2.x/updates/2.5.1.0/ambari.repo
	HDP	http://public-repo-1.hortonworks.com/HDP/sles12/2.x/updates/2.6.1.0/hdp.repo
	OS Agnostic Downloads	
	NiFi only	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-1.2.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-1.2.0.3.0.1.0-43-bin.tar.gz
	NiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-toolkit-1.2.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-toolkit-1.2.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Java Agent	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-1.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-1.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-toolkit-1.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-toolkit-1.0.3.0.1.0-43-bin.tar.gz

Table 1.8. Ubuntu 14 HDF repository & additional download locations

OS	Format	Download location
Ubuntu Trusty (14.04) (64-bit)	HDF Base URL	http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.0.1.0
	Repo	http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.0.1.0/hdf.list
	Deb tarball	http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.0.1.0/HDF-3.0.1.0-ubuntu14-deb.tar.gz
	Tars tarball	http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.0.1.0/HDF-3.0.1.0-ubuntu14-tars-tarball.tar.gz
	HDF Management Pack	http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.0.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.0.1.0-43.tar.gz
	MiNiFi C++ Agent	http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.0.1.0/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.2.0-bin.tar.gz
	HDP and Ambari Repositories	
	Ambari	http://public-repo-1.hortonworks.com/ambari/ubuntu14/2.x/updates/2.5.1.0/ambari.list
	HDP	http://public-repo-1.hortonworks.com/HDP/ubuntu14/2.x/updates/2.6.1.0/hdp.list
	OS Agnostic Downloads	
	NiFi only	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-1.2.0.3.0.1.0-43-bin.zip

OS	Format	Download location
		• Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/ nifi-1.2.0.3.0.1.0-43-bin.tar.gz
	NiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi- toolkit-1.2.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi- toolkit-1.2.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Java Agent	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-1.0.3.0.1.0-43- bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/ minifi-1.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi- toolkit-1.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi- toolkit-1.0.3.0.1.0-43-bin.tar.gz

Table 1.9. Debian 7 HDF repository & additional download locations

OS	Format	Download location
Debian 7	HDF Base URL	http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.0.1.0
	Repo	http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.0.1.0/hdf.list
	Deb tarball	http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.0.1.0/ HDF-3.0.1.0-debian7-deb.tar.gz
	Tars tarball	http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.0.1.0/ HDF-3.0.1.0-debian7-tars-tarball.tar.gz
	HDF Management Pack	http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.0.1.0/tars/ hdf_ambari_mp/hdf-ambari-mpack-3.0.1.0-43.tar.gz
	HDP and Ambari Respositories	
	Ambari	http://public-repo-1.hortonworks.com/ambari/debian7/2.x/updates/2.5.1.0/ ambari.list
	HDP	http://public-repo-1.hortonworks.com/HDP/debian7/2.x/updates/2.6.1.0/hdp.list
	OS Agnostic Downloads	
	NiFi only	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi-1.2.0.3.0.1.0-43- bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/ nifi-1.2.0.3.0.1.0-43-bin.tar.gz
	NiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi- toolkit-1.2.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/nifi- toolkit-1.2.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Java Agent	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi-1.0.3.0.1.0-43- bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/ minifi-1.0.3.0.1.0-43-bin.tar.gz
	MiNiFi Toolkit	• Zip File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi- toolkit-1.0.3.0.1.0-43-bin.zip • Tar.gz File – http://public-repo-1.hortonworks.com/HDF/3.0.1.0/minifi- toolkit-1.0.3.0.1.0-43-bin.tar.gz

1.6. Common Vulnerabilities and Exposures

The following CVEs have been fixed in HDF 3.0.1.

1.6.1. CVE-2016-8746

Summary: Apache Ranger path matching issue in policy evaluation
Severity: Normal
Vendor: Hortonworks
Versions Affected: All HDF versions 2.0.x and 2.1.x using Apache Ranger versions 0.6.0/0.6.1/0.6.2.
Users affected: All users of the ranger policy admin tool.
Impact: Ranger policy engine incorrectly matches paths in certain conditions when a policy contains wildcards and recursive flags.
Fix detail: Fixed policy evaluation logic
Recommended Action: Users should upgrade to HDF 3.0.0 (with Apache Ranger 0.7.0+)

1.6.2. CVE-2016-8751

Summary: Apache Ranger stored cross site scripting issue
Severity: Normal
Vendor: Hortonworks
Versions Affected: HDF versions 2.0.x, 2.1.x using Apache Ranger versions 0.6.0/0.6.1/0.6.2.
Users affected: All users of the ranger policy admin tool.
Impact: Apache Ranger is vulnerable to a Stored Cross-Site Scripting when entering custom policy conditions. Admin users can store some arbitrary javascript code execute when normal users login and access policies.
Fix detail: Added logic to sanitize the user input.
Recommended Action: Users should upgrade to HDF 3.0.0 (with Apache Ranger 0.7.0+)

1.6.2.1. CVE-2017-7676

Summary: Apache Ranger policy evaluation ignores characters after '*' wildcard character
Severity: Critical
Vendor: Hortonworks
Versions Affected: HDF versions 2.0.x, 2.1.x.
Users affected: Environments that use Ranger policies with characters after '*' wildcard character – like my*test, test*.txt
Impact: Policy resource matcher ignores characters after '*' wildcard character, which can result in unintended behavior.
Fix detail: Ranger policy resource matcher was updated to correctly handle wildcard matches.
Recommended Action: Upgrade to HDF 3.0.0.

1.6.2.2. CVE-2017-7677

Summary: Apache Ranger Hive Authorizer should check for RWX permission when external location is specified

Severity: Critical

Vendor: Hortonworks
Versions Affected: HDF versions 2.0.x, 2.1.x.

Users affected: Environments that use external location for hive tables
Impact: In environments that use external location for hive tables, Apache Ranger Hive Authorizer should check for RWX permission for the external location specified for create table.

Fix detail: Ranger Hive Authorizer was updated to correctly handle permission check with external location.

Recommended Action: Upgrade to HDF 3.0.0.

1.7. Known Issues

Hortonworks Bug ID	Apache JIRA	Component	Summary

BUG-82327		Streaming Analytics Manager	**Issue**: In HA installations of SAM, you may run into a situation where bootstrap has not been executed.
			
			 Result: When bootstrap has not been started, the UI displays the following message:
			
			 ```1. No component definitions found.```
			```2. Please run ./bin/streamline bootstrap to```
			```initialize the component definitions.```
			
			 Workaround for a secured cluster:
			 ```kinit -kt /etc/security/keytabs/streamline.service.```
			```keytab```
			```streamline-{cluster_name_in_lower-case}@domain```
			
			 Workaround for an unsecured cluster:
			 ```cd /usr/hdf/current/streamline```
			```./bootstrap/bootstrap.sh```

BUG-82681	AMBARI-21261	Ambari/ NiFi	**Issue**: When NiFi is installed on an Ambari-managed HDP cluster, NiFi information is not available in Ambari Metrics. **Workaround**: There is no workaround for this issue.

BUG-82311	AMBARI-21263	Ambari/Solr/NiFi	**Issue**: The Ambari Server upgrade fails when the HDP Search (Solr) or HDF management pack is installed.
			
			 Error Message:
			 ```File "/usr/lib/python2.6/site-packages/```
			```ambari_server/setupMpacks.py", line 896, in```
			``` install_mpack```
			``` (mpack_metadata, mpack_name, mpack_version,```
			```mpack_staging_dir, mpack_archive_path) =```
			```_install_mpack(options, replay_mode)```
			``` File "/usr/lib/python2.6/site-packages/```
			```ambari_server/setupMpacks.py", line 792, in```
			```_install_mpack```
			``` process_service_definitions_artifact(artifact,```
			```artifact_source_dir, options)```
			``` File "/usr/lib/python2.6/site-packages/```
			```ambari_server/setupMpacks.py", line 515, in```
			```process_service_definitions_artifact```
			``` create_symlink(src_service_definitions_dir,```
			```dest_service_definitions_dir, file, options.force)```
			``` File "/usr/lib/python2.6/site-packages/```
			```ambari_server/setupMpacks.py", line 235, in```
			```create_symlink```
			``` create_symlink_using_path(src_path, dest_link,```
			```force)```

Hortonworks Bug ID	Apache JIRA	Component	Summary
			``
  File "/usr/lib/python2.6/site-packages/
ambari_server/setupMpacks.py", line 247, in
 create_symlink_using_path
    sudo.symlink(src_path, dest_link)
  File "/usr/lib/python2.6/site-packages/
resource_management/core/sudo.py", line 123, in
 symlink
    os.symlink(source, link_name)
OSError: [Errno 17] File exists
```

**Workaround for HDP Search mpack:** To work around this issue, enter the following commands:

```
rm -rf /var/lib/ambari-server/resources/common-
services_05_06_17_19_49.old/SOLR
rm -rf /var/lib/ambari-server/resources/common-
services/SOLR
```

Workaround for HDF mpack: To work around this issue, enter the following commands:

```
rm -rf /var/lib/ambari-server/resources/common-
services/NIFI/
rm -rf /var/lib/ambari-server/resources/common-
services_17_02_17_18_20.old/NIFI/
rm -rf /var/lib/ambari-server/resources/common-
services_20_06_17_15_47.old/NIFI/
```

> **Note**
>
> In each case, the date-time pattern is a timestamp of the management pack file and differs in every case. |
| BUG-82561 | AMBARI-21291 | Ambari/HDF | **Issue**: You may experience a schema error when upgrading to Ambari 2.5.1.

Error Message:

```
WARN [main] DBAccessorImpl:814 - Error executing
 query: UPDATE request AS a SET cluster_host_info
 = b.cluster_host_info FROM stage AS b WHERE a.
request_id = b.request_id, errorCode = 0, message =
 ERROR: column b.cluster_host_info does not exist
Position: 45
20 Jun 2017 19:45:23,466 ERROR [main]
 SchemaUpgradeHelper:209 - Upgrade failed.
org.postgresql.util.PSQLException: ERROR: column b.
cluster_host_info does not exist
Position: 45
```

Workaround: To work around this issue, re-add the column to the stage table before issuing the 'ambari-server upgrade' command.

Example for updating the Ambari Postgres database:

1. psql -U ambari (default password is 'bigdata')

2. alter table stage add column cluster_host_info bytea not null default '{}'; |

1.8. Third-Party Licenses

HDF 3.0.1 deploys numerous third-party licenses and dependencies, all of which are compatible with the Apache software license. For complete third-party license information, see the licenses and notice files contained within the distribution.