

Release Notes 3

Release Notes

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Hortonworks DataFlow 3.4.0 Release Notes

This document provides you with the latest information about the HDF 3.4.0 release and its product documentation.

Component Support

HDF 3.4.0 includes the following components:

- Apache Ambari 2.7.3
- Apache Kafka 2.1.0
- Apache NiFi 1.9.0
- NiFi Registry 0.3.0
- Apache Ranger 1.2.0
- Apache Storm 1.2.1
- Apache ZooKeeper 3.4.6
- Apache MiNiFi Java Agent 0.6.0
- Apache MiNiFi C++ 0.6.0
- Hortonworks Schema Registry 0.7.0
- Hortonworks Streaming Analytics Manager 0.6.0
- Apache Knox 1.0.0
- SmartSense 1.5.0

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	NiFi Registry	SmartSense
HDF 3.4.0	1.9.0	1.2.1	2.1.0	3.4.6	2.7.3	1.2.0	0.6.0	0.6.0	0.6.0	0.7.0	0.3.0	1.5.0
HDF 3.3.1	1.8.0	1.2.1	2.0.0	3.4.6	2.7.3	1.2.0	0.6.0	0.6.0	0.6.0	0.5.4	0.2.0	1.5.0
HDF 3.3.0	1.8.0	1.2.1	2.0.0	3.4.6	2.7.1	1.2.0	0.6.0	0.6.0	0.6.0	0.5.4	0.2.0	1.5.0
HDF 3.2.0	1.7.0	1.2.1	1.1.1	3.4.6	2.7.0	1.1.0	0.5.0	0.5.0	0.6.0	0.5.3	0.2.0	N/A
HDF 3.1.2	1.5.0	1.1.1	1.0.0	3.4.6	2.6.2	0.7.0	0.4.0	0.4.0	0.6.0	0.5.0	0.1.0	N/A
HDF 3.1.1	1.5.0	1.1.1	1.0.0	3.4.6	2.6.1	0.7.0	0.4.0	0.4.0	0.6.0	0.5.0	0.1.0	N/A
HDF 3.1.0	1.5.0	1.1.1	1.0.0	3.4.6	2.6.1	0.7.0	0.4.0	0.4.0	0.6.0	0.5.0	0.1.0	N/A
HDF 3.0.3 (IBM Power System only)	1.2.0	1.1.0	0.10.2.1	3.4.6	2.6.0	0.7.0	0.2.0	TP	0.5.0	0.3.0	N/A	N/A
HDF 3.0.2	1.2.0	1.1.0	0.10.2.1	3.4.6	2.6.0	0.7.0	0.2.0	TP	0.5.0	0.3.0	N/A	N/A

	NiFi	Storm	Kafka	ZooKeeper	Ambari	Ranger	MiNiFi Java Agent	MiNiFi C++	Streaming Analytics Manager	Schema Registry	NiFi Registry	SmartSense
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	N/A	N/A
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	N/A	N/A
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	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	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	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	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	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	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	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	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	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	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	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	N/A	N/A

What's New in HDF 3.4.0

HDF 3.4.0 is a minor release that includes the following new features and bug fixes:

Apache Kafka Updates

Kafka has been upgraded from 2.0.0 to 2.1.0.



Warning: We strongly discourage downgrading from Kafka 2.1.0 to earlier versions. Though Ambari allows you to downgrade to earlier versions of Kafka after you upgrade to 2.1.0, consider the following before you do so:

- If you upgrade both the broker and consumer to 2.1.0, a downgrade might cause data loss.
- If you upgrade the broker to 2.1.0 and the consumer remains at 2.0.0, then you can downgrade the broker to 2.0.0 without any issue.

New features and improvements in Apache Kafka include:

- [KAFKA-4514](#) Add Codec for ZStandard Compression (KIP-110).
- [KAFKA-4682](#) Committed offsets should not be deleted if a consumer is still active (KIP-211).
- [KAFKA-5886](#) Introduce delivery.timeout.ms producer config (KIP-91).
- [KAFKA-7264](#) Initial Kafka support for Java 11.
- [KAFKA-7333](#) Protocol changes to allow fetchers to detect and handle log truncation (KIP-320).

- [KAFKA-7394](#) Allow OffsetsForLeaderEpoch requests with topic describe ACL (KIP-320).
- [KAFKA-7395](#) Add fencing to replication protocol (KIP-320).
- Streams API improvements (KIP-319, KIP-321, KIP-330, KIP-353, KIP-356).
- Admin script and admin client API improvements to simplify admin operation (KIP-231, KIP-308, KIP-322, KIP-324, KIP-338, KIP-340).
- DNS handling improvements (KIP-235, KIP-302).

For a full list of features and bug fixes, see the following: https://dist.apache.org/repos/dist/release/kafka/2.1.0/RELEASE_NOTES.html.

Apache NiFi Updates

NiFi has been upgraded from 1.8.0 to 1.9.0.

New features and improvements in Apache NiFi include:

- New processors and controller services can be loaded live while the nodes are running.
- Database connection pooling now supports Kerberos secured Databases.
- Penalty duration remaining now visible in the UINodes can be offloaded to prepare for decommissioning.
- Several standard security headers now supported (HSTS, X-XSS-Protection, Content-Security-Policy).
- Record Readers and Writers now easier to use with automatic schema inference.
- New or Improved Processors and Controller Services
 - Kudu Processors updated, validated, and now support Kerberos.
 - Various updates to Amazon Web Services, Big Query, and Google Cloud Storage Processors.
 - MongoDB GridFS processors now included.
 - HiveQL for Hive 1.1 now supported.

For a full list of features and bug fixes, see the following: <https://issues.apache.org/jira/secure/ReleaseNote.jspa?projectId=12316020&version=12344357>.

Apache NiFi Registry Updates

NiFi Registry has been upgraded from 0.2.0 to 0.3.0.

New features and improvements in Apache NiFi Registry include:

- New Apache Ranger Authorizer allows authorization rules to be defined in Apache Ranger.
- Expansion and refinement of the Versioned Flow data model to facilitate easier use by consumers.
- Security enhancements: upgrades dependencies that have been patched for security issues.
- Event Hook API improvements
 - New REGISTRY_START event type
 - Event Type Whitelisting feature for Event Hook Providers
- Docker image improvements.

For a full list of features and bug fixes, see the following: <https://issues.apache.org/jira/secure/ReleaseNote.jspa?version=12343483&styleName=Html&projectId=12320920>

Schema Registry Updates

Schema Registry has been upgraded from 0.5.4 to 0.7.0.

New features and improvements in Schema Registry include:

- ISSUE-509: Provide a delete API for schema metadata ([#510](#)).
- ISSUE-496: Kafka Streams and Schema Registry Integration Support.
- ISSUE-500: Changes related to enabling JWT based SSO along with SPNEGO/Kerberos.
- EAR-9794: SchemaRegistry UI is not getting rendered properly.
- ISSUE-513: Fix storage manager to correctly handle the types in queries.

- ISSUE-517 Fix concurrent schema version adds.
- ISSUE-502: Field props stripped in deserialization.
- Update documentation: schema-registry.rst.
- ISSUE-543 Fix broken json format in Schema.Field when it's used as nested - introduced in Jackson 2.9 added test which doesn't make sense for Streamline to have.
- ISSUE-538 Move transaction package from common to storage-core. This helps us to isolate storage-core with registry-common, which brings huge number of transitive dependencies especially from hadoop-client.
- ISSUE-540 Exclude Avro dependency from registry-common module This would save lots of modules which has registry-common as a transitive dependency.
- Upgrade jackson-databind to v2.9.8 to fix the following CVEs: CVE-2018-14719, CVE-2018-14720, CVE-2018-14721, CVE-2018-1000873, CVE-2018-7489, CVE-2018-19362, CVE-2017-15095, CVE-2018-19361, CVE-2017-7525, CVE-2018-19360, CVE-2017-17485, CVE-2018-5968.
- Remove deprecated API usages.
 - added logback.xml file to adjust logger levels.
 - fixed the typographical errors and broken links in documents.
- ISSUE-506: Resolve reported CVEs (CVE-2014-0114, CVE-2015-6420, CVE-2015-7501, CVE-2017-15708, CVE-2012-5783, CVE-2014-3577, CVE-2012-6153, CVE-2015-5262, CVE-2018-1288, CVE-2009-2625, CVE-2012-0881, CVE-2009-1523, CVE-2011-4461, CVE-2017-9735, CVE-2017-7656, CVE-2017-7657, CVE-2017-7658, CVE-2018-12536, CVE-2014-0193, CVE-2015-2156, CVE-2016-4970).

Apache Ranger Updates

Ranger plugin properties in Ambari and scripting requirements for NiFi Registry are enabled.

Unsupported Features

Some features exist within HDF 3.4.0, but Hortonworks does not currently support these capabilities.

Technical Preview Features

The following features are available within 3.4.0 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: Technical Previews

Component	Feature
MiNiFi	Android/iOS MiNiFi libraries for mobile integration

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

Community Driven NiFi Tools and Services

- Embedded ZooKeeper
- Sensitive key migration toolkit

Community Driven NiFi Processors

- AttributeRollingWindow
- CompareFuzzyHash
- ConsumeIMAP
- ConsumeKafka_0_11
- ConsumeKafkaRecord_0_11
- ConsumePOP3
- ConvertExcelToCSVProcessor
- CountText
- DebugFlow
- DeleteMongo
- DeleteRethinkDB
- ExecuteSparkInteractive
- ExtractCCDAAtributes
- ExtractEmailAttachments
- ExtractEmailHeaders
- ExtractMediaMetadata
- ExtractTNEFAttachments
- ExecuteFlumeSink
- ExecuteFlumeSource
- FuzzyHashContent
- GetDynamoDB
- GetHDFSEvents
- GetMongo
- GetRethinkDB
- GetSNMP
- InvokeGRPC
- ISPErichIP
- InferAvroSchema
- ListenBeats
- ListenGRPC
- ListenLumberjack
- ListenSMTP
- ModifyBytes
- MoveHDFS
- OrcFormatConversion
- ParseNetflowv5
- ParseSyslog5424
- PublishKafka_0_11
- PublishKafkaRecord_0_11
- PutCassandraRecord
- PutMongoRecord
- PutRethinkDB
- PutIgniteCache
- PutMongo
- PutSlack
- PutTCP
- PutUDP
- QueryDNS
- RunMongoAggregation
- SetSNMP

- SpringContextProcessor
- StoreInKiteDataset

**Note:**

HDF 3.4.0 does not support Hive 2. As a result, NiFi Processors working with Hive (PutHiveQL, PutHiveStreaming, SelectHiveQL) and the NiFi Controller Service HiveConnectionPool may not support Hive 2.

Community Driven NiFi Controller Services

- ConfluentSchemaRegistry
- GraphiteMetricReporterService
- IPLookupService
- JettyWebSocketClient
- JettyWebSocketServer
- LivySessionController
- MongoDBControllerService
- MongoDBLookupService
- PropertiesFileLookupService
- RedisConnectionPoolService
- RedisDistributedMapCacheClientService
- SimpleCsvFileLookupService
- SimpleKeyValueLookupService
- XMLFileLookupService

Community Driven NiFi Reporting Tasks

- DataDogReportingTask
- MetricsReportingTask
- SiteToSiteBulletinReportingTask
- SiteToSiteStatusReportingTask
- StandardGangliaReporter

Unsupported HDP Components

NiFi processors available in HDF 3.4.0 have been tested against the following HDP components:

- Hive 1.2.1000.2.6.5.0-292
- Hive3 3.1.0.3.0.0.0-1634
- Hadoop: 2.7.3
- HBase: 1.1.2

Using NiFi processors to interact with other configurations of Hive, Hadoop, and HBase is not covered by Hortonworks Support.

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.

Behavior Changes

Behavioral changes denote a marked change in behavior from the previously released version to this version of software.

New Upgrade Policy for Kafka

Scenario

Kafka 2.1.0 contains a change to the internal schema used to store consumer offsets ([KIP-211](#)).



Warning:

After you upgrade to Kafka 2.1.0, downgrade to earlier versions of Kafka is strongly discouraged.

Previous behavior

Previously, you were able to downgrade to earlier versions of Kafka after the upgrade was complete.

New behavior

After the introduction of Kafka 2.1.0, once you upgrade to Kafka 2.1.0, downgrade to earlier versions of Kafka might cause data loss.

Expected user action

Though Ambari allows you to downgrade to earlier versions of Kafka after you upgrade to 2.1.0, consider the following before you do so:

- If you upgrade both the broker and consumer to 2.1.0, a downgrade might cause data loss.
- If you upgrade the broker to 2.1.0 and the consumer remains at 2.0.0, then you can downgrade the broker to 2.0.0 without any issue.

Apache Patch Information

The following sections list patches in each HDF 3.4.0 component beyond what was fixed in the base version of the Apache component.

Kafka Patches

This release provides Kafka 2.1.0 with no additional Apache patches.

Knox Patches

This release provides Knox 1.0.0 and the listed Apache patches.

- [KNOX-1650](#): Knox Atlas Trusted Proxy with HA provider.
- [KNOX-1649](#): Provide new service definitions for Ambari to support trusted proxy.
- [KNOX-1645](#): Improve JSESSIONID handling.
- [KNOX-1639](#): java.lang.IllegalStateException: No org.apache.tomcat.InstanceManager set in ServletContext.
- [KNOX-1602](#): JsonFilterReader should handle strings, numbers, booleans, and null at root.
- [KNOX-1581](#): YARN v1 UI - Application - Node and logs links broken.
- [KNOX-1558](#): KnoxToken service returns wrong content type and content length values.
- [KNOX-1545](#): KnoxTokenCredentialCollector should expose the type of the collected token.
- [KNOX-1544](#): KnoxTokenCredentialCollector should not call System.exit().
- [KNOX-1522](#): Add HA support for HadoopAuthProvider.
- [KNOX-1451](#): Setup base checkstyle plugin.
- [KNOX-1429](#): HadoopAuthFilter avoid logging sensitive values.
- [KNOX-1098](#): Livy proxyUser should be added when not present.

NiFi Patches

This release provides NiFi 1.9.0 and the listed Apache patches.

- [NIFI-6111](#): View Status History not showing proper values for cluster aggregate values.
- [NIFI-6110](#): FlowFile Repository can fail to update.

- [NIFI-6108](#): Port names in nested PGs get changed when importing from Registry.
- [NIFI-6088](#): JSON Record Readers sometimes infer types too narrow for the values, leading to truncation.
- [NIFI-6069](#): Incorrect sorting of connection relationships during flow fingerprinting.
- [NIFI-6068](#): StandardFunnel looping excessively.
- [NIFI-6065](#): Root Group Ports "waiting" too long.
- [NIFI-6059](#): GCS processors throw NullPointerException if Project ID property is not specified.
- [NIFI-6056](#): Cassandra services NAR incorrectly bundles nifi-mock jar.
- [NIFI-6055](#): Improve error handling during auto-loading of NARs.
- [NIFI-6040](#): ExecuteSQL can't perform batch loading with an input file.

NiFi Registry Patches

This release provides NiFi Registry 0.3.0 and the listed Apache patches.

- [NIFIREG-229](#): Handle error in LDAP sync background thread.
- [NIFIREG-225](#): NPE when an access policy contains a deleted group.
- [NIFIREG-217](#): In NiFi user identities can be forced to upper or lower case, can that functionality be implemented in NiFi Registry.
- [NIFIREG-210](#): Document-links are incorrect in documentation.jsp.
- [NIFIREG-209](#): Support rebuilding metadata DB from Git repo.
- [NIFIREG-205](#): NiFi Registry DB gets out of sync with git repository, no apparent remediation.

MiNiFi Patches

This release provides MiNiFi 0.6.0 and the listed Apache patches.

- [MINIFI-493](#): NPE when converting old templates using toolkit.
- [MINIFI-484](#): Fix new lines formatting of system admin guide.

Ranger Patches

This release provides Ranger 1.2.0 and the listed Apache patches.

- [RANGER-2337](#): Context-Enrichers need to clean up completely when the policy-engine is destroyed.
- [RANGER-2336](#): Ranger HBase plugin should pack guava lib as a dependency.
- [RANGER-2333](#): Logs does not get generated for Zone Description field available on Security Zone page.
- [RANGER-2330](#): Ensure that policy/resource based searches are security-zone aware.
- [RANGER-2327](#): Update Ranger db schema to use common sequence name.
- [RANGER-2320](#): Make db schema patches script idempotent for all DB Flavors.
- [RANGER-2318](#): Incorrect git url on the homepage.
- [RANGER-2316](#): Incorrect path in Quick State Guide at http://ranger.apache.org/quick_start_guide.html.
- [RANGER-2314](#): Do some code improvement for the error message in SqoopClient.java.
- [RANGER-2313](#): tagsync fails to authenticate with ranger in kerberized cluster when using ranger-tagsync-update.sh script.
- [RANGER-2311](#): After the user profile is updated, the page still displays the original information.
- [RANGER-2309](#): Improve group search on policy edit page.
- [RANGER-2308](#): User role user should not able to access usersync audit report if it does not have permissions on the audit module.
- [RANGER-2307](#): Native code can segfault or return misleading error messages.
- [RANGER-2306](#): Knox Plugin doesn't pass X-Forwarded-for remote address to Ranger.
- [RANGER-2305](#): When Audit spooling to local filesystem is enabled, log files of the component have show a wrong error message.
- [RANGER-2304](#): Need to add property dfs.permissions.ContentSummary.subAccess when enabling Ranger HDFS plugin manually.
- [RANGER-2303](#): Add kylin-plugin information to README.txt.

- [RANGER-2299](#): Modify the permissions of the kms install.properties file to 700.
- [RANGER-2298](#): Modify JAVA_VERSION_REQUIRED to 1.8 in install.properties.
- [RANGER-2297](#): getContentSummary validation failure.
- [RANGER-2295](#): Set specific Ranger version in patches status entry table.
- [RANGER-2294](#): Front-end and back-end email address regular expression should be the same.
- [RANGER-2291](#): Make optimized db schema script idempotent for all DB Flavors.
- [RANGER-2288](#): Sqoop repository config missing "Common Name for Certificate".
- [RANGER-2287](#): Improve and optimize db_setup.py file code.
- [RANGER-2286](#): Ranger install may be prevented by leftover DB entry.
- [RANGER-2284](#): Unable to build image using docker.
- [RANGER-2283](#): User is getting total count of groups even if he is assigned to one group due to which pagination is breaking.
- [RANGER-2280](#): The emptyText of User Sync and Plugin Status should be reasonable.
- [RANGER-2279](#): Reduce the time spent changing passwords during Ranger Admin install.
- [RANGER-2277](#): Kylin repository config missing "Common Name for Certificate".
- [RANGER-2276](#): Email Address should be verified when Add New User in Ranger Admin.
- [RANGER-2267](#): Add a icon to differentiate the status of the service.
- [RANGER-2244](#): Tomcat Security Vulnerability Alert. The version of the tomcat for ranger should upgrade to 7.0.91 or later.
- [RANGER-2234](#): Cannot add or update a child row,a foreign key constraint fails when installing ranger-admin.
- [RANGER-2232](#): Security Zones feature in Apache Ranger.
- [RANGER-2216](#): Ranger Audit UI lacks the feature to search the audits using Policy Id.
- [RANGER-2163](#): Spelling error for "Permsmission" in the PatchPermsmissionModel_J10003.java.
- [RANGER-2049](#): Support doAs in Ranger Admin Portal / REST API.

Storm Patches

This release provides Storm 1.2.1 with no additional Apache patches.

ZooKeeper Patches

This release provides ZooKeeper 3.4.6 with no additional Apache patches.

HDF Repository Locations

Use the following tables to identify the HDF 3.4.0 repository location for your operating system and operational objectives.



Note:

You must have credentials to download HDF files. Your download credential is not the same as the credential you use to access the support portal.

You can get download credentials in the following ways:

- Contact your Cloudera sales representative.
- View the Welcome email for your Flow Management account.
- File a non-technical case within the [Cloudera support portal](#) for our Support team to assist you.



Warning:

If you download and install HDF 3.4.0, you must immediately apply a hotfix to avoid significant production environment complications.

Problem: The Apache NiFi build in HDF 3.4.0 contains a bug which under certain cases will cause the content repository to not properly remove content which is no longer accessible and should be cleaned.

Without this hotfix applied the NiFi content repository storage locations could become full and block further operations until the resources are released.

Solution: Contact customer support for information about the available hotfix.

Table 2: Amazon Linux 2 repositories & additional download locations

OS	Format	Download location
Amazon Linux 2	HDF Build number	3.4.0.0-155
	HDF Base URL	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/amazonlinux2
	HDF Repo	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/amazonlinux2/hdf.repo
	RPM tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/amazonlinux2/HDF-3.4.0.0-amazonlinux2-rpm.tar.gz
	Tars tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/amazonlinux2/HDF-3.4.0.0-amazonlinux2-tars-tarball.tar.gz
	HDF Management Pack	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/amazonlinux2/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.0.0-155.tar.gz
	HDP and Ambari Repositories	
	Ambari	See the Ambari 2.7.3.0 installation documentation
	HDP	See the HDP 3.1.0.0 installation documentation
	HDP-UTILS	See the HDP 3.1.0.0 installation documentation
	OS Agnostic Downloads	
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.tar.gz
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.tar.gz
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.0.0
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.tar.gz
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.tar.gz
	MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.tar.gz
iOS/Android Libraries	<ul style="list-style-type: none"> Android – https://github.com/hortonworks/nifi-android-s2s iOS – https://github.com/hortonworks/nifi-ios-s2s 	

Table 3: RHEL/Oracle Linux/CentOS 7 HDF repository & additional download locations

OS	Format	Download location
RHEL/Oracle Linux/CentOS 7 (64-bit):	HDF Build Number	3.4.0.0-155
	HDF Base URL	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/centos7
	HDF Repo	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/centos7/hdf.repo

OS	Format	Download location
	RPM tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/centos7/HDF-3.4.0.0-centos7-rpm.tar.gz
	Tars tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/centos7/HDF-3.4.0.0-centos7-tars-tarball.tar.gz
	HDF Management Pack	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/centos7/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.0.0-155.tar.gz
	MiNiFi C++ Agent	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/centos7/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.6.0-bin.tar.gz
	HDP and Ambari Repositories	
	Ambari	See the Ambari 2.7.3.0 installation documentation
	HDP	See the HDP 3.1.0.0 installation documentation
	HDP-UTILS	See the HDP 3.1.0.0 installation documentation
	OS Agnostic Downloads	
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.tar.gz
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.tar.gz
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.0.0
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.tar.gz
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.tar.gz
	MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.tar.gz
iOS/Android Libraries	<ul style="list-style-type: none"> Android – https://github.com/hortonworks/nifi-android-s2s iOS – https://github.com/hortonworks/nifi-ios-s2s 	

Table 4: SLES 12 HDF repository & additional download locations

OS	Format	Download location
SUSE Linux Enterprise Server (SLES) v12 SP1	HDF Build Number	3.4.0.0-155
	HDF Base URL	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/sles12
	Repo	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/sles12/hdf.repo
	RPM tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/sles12/HDF-3.4.0.0-sles12-rpm.tar.gz
	Tars tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/sles12/HDF-3.4.0.0-sles12-tars-tarball.tar.gz
	HDF Management Pack	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/sles12/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.0.0-155.tar.gz
	HDP and Ambari Repositories	
	Ambari	See the Ambari 2.7.3.0 installation documentation
	HDP	See the HDP 3.1.0.0 installation documentation

OS	Format	Download location
	HDP-UTILS	See the HDP 3.1.0.0 installation documentation
	OS Agnostic Downloads	
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.tar.gz
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.tar.gz
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.0.0
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.tar.gz
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.tar.gz
	MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.tar.gz
	iOS/Android Libraries	<ul style="list-style-type: none"> Android – https://github.com/hortonworks/nifi-android-s2s iOS – https://github.com/hortonworks/nifi-ios-s2s

Table 5: Ubuntu 14 HDF repository & additional download locations

OS	Format	Download location
Ubuntu Trusty (14.04) (64-bit)	HDF Build Number	3.4.0.0-155
	HDF Base URL	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu14
	Repo	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu14/hdf.list
	Deb tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu14/HDF-3.4.0.0-ubuntu14-deb.tar.gz
	Tars tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu14/HDF-3.4.0.0-ubuntu14-tars-tarball.tar.gz
	HDF Management Pack	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu14/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.0.0-155.tar.gz
	HDP and Ambari Repositories	
	Ambari	See the Ambari 2.7.3.0 installation documentation
	HDP	See the HDP 3.1.0.0 installation documentation
	HDP-UTILS	See the HDP 3.1.0.0 installation documentation
	OS Agnostic Downloads	
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.tar.gz
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.tar.gz
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.0.0

OS	Format	Download location
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.tar.gz
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.tar.gz
	MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.tar.gz
	iOS/Android Libraries	<ul style="list-style-type: none"> Android – https://github.com/hortonworks/nifi-android-s2s iOS – https://github.com/hortonworks/nifi-ios-s2s

Table 6: Ubuntu 16 HDF repository & additional download locations

OS	Format	Download location	
Ubuntu Trusty 16 (64-bit)	HDF Build Number	3.4.0.0-155	
	HDF Base URL	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu16	
	Repo	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu16/hdf.list	
	Deb tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu16/HDF-3.4.0.0-ubuntu16-deb.tar.gz	
	Tars tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu16/HDF-3.4.0.0-ubuntu16-tars-tarball.tar.gz	
	HDF Management Pack	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu16/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.0.0-155.tar.gz	
	MiNiFi C++ Agent	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/ubuntu16/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.6.0-bin.tar.gz	
	HDP and Ambari Repositories		
	Ambari	See the Ambari 2.7.3.0 installation documentation	
	HDP	See the HDP 3.1.0.0 installation documentation	
	HDP-UTILS	See the HDP 3.1.0.0 installation documentation	
	OS Agnostic Downloads		
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.tar.gz 	
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.tar.gz 	
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.0.0	
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.tar.gz 	
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.tar.gz 	
MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.tar.gz 		

OS	Format	Download location
	iOS/Android Libraries	<ul style="list-style-type: none"> Android – https://github.com/hortonworks/nifi-android-s2s iOS – https://github.com/hortonworks/nifi-ios-s2s

Table 7: Debian 9 HDF repository & additional download locations

OS	Format	Download location	
Debian 9	HDF Build Number	3.4.0.0-155	
	HDF Base URL	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/debian9	
	Repo	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/debian9/hdf.list	
	Deb tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/debian9/HDF-3.4.0.0-debian9-deb.tar.gz	
	Tars tarball	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/debian9/HDF-3.4.0.0-debian9-tars-tarball.tar.gz	
	HDF Management Pack	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/debian9/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.0.0-155.tar.gz	
	HDP and Ambari Repositories		
	Ambari	See the Ambari 2.7.3.0 installation documentation	
	HDP	See the HDP 3.1.0.0 installation documentation	
	HDP-UTILS	See the HDP 3.1.0.0 installation documentation	
	OS Agnostic Downloads		
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-1.9.0.3.4.0.0-155-bin.tar.gz 	
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-toolkit-1.9.0.3.4.0.0-155-bin.tar.gz 	
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.0.0	
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/nifi-registry-0.3.0.3.4.0.0-155-bin.tar.gz 	
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-0.6.0.3.4.0.0-155-bin.tar.gz 	
	MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/minifi-toolkit-0.6.0.3.4.0.0-155-bin.tar.gz 	
iOS/Android Libraries	<ul style="list-style-type: none"> Android – https://github.com/hortonworks/nifi-android-s2s iOS – https://github.com/hortonworks/nifi-ios-s2s 		

Table 8: NiFi and MiNiFi MSI files

File	Location
NiFi MSI	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/windows/nifi-3.4.0.0-155.msi
MiNiFi MSI	https://archive.cloudera.com/p/HDF/3.x/3.4.0.0/windows/minifi-3.4.0.0-155.msi

HDF Repository Location for IBM Power Systems

Use the following table to identify the HDF 3.4.0 repository location for IBM power systems and operational objectives.



Warning:

If you download and install HDF 3.4.0, you must immediately apply a hotfix to avoid significant production environment complications.

Problem: The Apache NiFi build in HDF 3.4.0 contains a bug which under certain cases will cause the content repository to not properly remove content which is no longer accessible and should be cleaned. Without this hotfix applied the NiFi content repository storage locations could become full and block further operations until the resources are released.

Solution: Contact customer support for information about the available hotfix.

Table 9: RHEL 7 HDF repository & additional download locations

OS	Format	Download location
RHEL 7 (64-bit):	HDF Build Number	3.4.0.0-155
	HDF Base URL	http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.4.0.0
	HDF Repo	http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.4.0.0/hdf.repo
	RPM tarball	http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.4.0.0/HDF-3.4.0.0-centos7-ppc-rpm.tar.gz
	Tars tarball	http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.4.0.0/HDF-3.4.0.0-centos7-ppc-tars-tarball.tar.gz
	HDF Management Pack	http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.4.0.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.0.0-155.tar.gz
	HDP and Ambari Repositories	
	Ambari	http://public-repo-1.hortonworks.com/ambari/centos7-ppc/2.x/updates/2.7.3.0/ambari.repo
	HDP	http://public-repo-1.hortonworks.com/HDP/centos7-ppc/3.x/updates/3.1.0.0/hdp.repo
	HDP-UTILS	http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/centos7-ppc/hdp-utils.repo

Common Vulnerabilities and Exposures

Lists common vulnerabilities and exposures fixed in HDF 3.4.0.

The following CVEs have been fixed in HDF 3.4.0:

None.

For information about CVEs fixed in HDF 3.3.0, see the [HDF 3.3.0 Release Notes](#).

Fixed Issues

Summary of fixed issues for this release.

Fixed issues represents selected issues that were previously logged via Hortonworks Support, but are now addressed in the current release. These issues may have been reported in previous versions within the Known Issues section; meaning they were reported by customers or identified by Hortonworks Quality Engineering team.

Table 10: Fixed Issues

Hortonworks Bug ID	Apache JIRA	Summary
BUG-118524	NIFI-6111	View Status History not showing proper values for cluster aggregate values.
BUG-118512	NIFI-6110	FlowFile Repository can fail to update.
BUG-118432	NIFI-6108	Port names in nested PGs get changed when importing from Registry.
BUG-118426	NIFI-6107	ExecuteSQL processors fail with incoming flow file and Output Batch Size set.
BUG-118317		Not able to access NiFi UI even after granting access through ranger policy.
BUG-118258		Upgrade to jackson-databind version 2.9.8.
BUG-118161	NIFI-6088	RecordFieldType double precision problem.
BUG-118093		[streamline] kafkaToKafkaTopologyTest fails.
BUG-118057	NIFIREG-229	Handle error in LDAP sync background thread.
BUG-118039		NiFi PutHivestreaming processor fails to write data to Hive1.2.1000.
BUG-118012	NIFIREG-225	NPE when an access policy contains a deleted group.
BUG-118002	NIFI-6065	Root Group Ports "waiting" too long.
BUG-118001	NIFI-6059	GCS processors throw NullPointerException if Project ID property is not specified.
BUG-118000	NIFI-6068	StandardFunnel looping excessively.
BUG-117968	NIFI-6069	Incorrect sorting of connection relationships during flow fingerprinting.
BUG-117912	NIFI-6055	Improve error handling when auto-loading NARs.
BUG-117735	NIFI-6023	ListHDFS throws misleading exception regarding Distributed Cache Service.
BUG-117726		NiFi Registry missing Identity and Group Transform Properties.
BUG-117723		NiFi does not detect when AMS uses HTTPS.
BUG-117609		Adjust Hive Version.
BUG-117581		Remove kafka-ranger-env.sh reference from kafka-env.sh.
BUG-117570	NIFIREG-217	nifi-registry does not support "transform" of group/identity mappings.
BUG-117568	NIFI-5869	NiFi JMS Connection Fails After JMS servers Change behind JNDI.
BUG-117548		Add Nifi service user in Ranger service config in HDP cluster.
BUG-117534		NiFi Registry service check use of tls-toolkit may fail if key password is not provided.
BUG-117414	AMBARI-25168	Leader for a topic is assigned 'None'.
BUG-117412		Prevent duplicate registry entry.
BUG-110583	NIFI-5575	PutHDFS does not use fs.permissions.umask-mode from hdfs-site.xml.

Hortonworks Bug ID	Apache JIRA	Summary
MINIFI-493		NPE when converting old templates using toolkit.

Known Issues

Summary of known issues for this release.

Table 11: Known Issues

Hortonworks Bug ID	Apache JIRA	Apache Component	Summary
N/A	N/A	NiFi	<p>JDK 8u242 and newer versions cause Site-to-Site failure</p> <p>When you use JDK 8u242 or a newer version, the RAW transport protocol in Site-to-Site fails with the following exception:</p> <pre> 2018-12-19 16:19:26,811 ERROR [Site-to-Site Listener] org.apache.nifi.NiFi java.nio.channels.IllegalBlockingModeException: null at java.base/sun.nio.ch.ServerSocketAdaptor.accept(SocketChannel) at org.apache.nifi.remote.SocketChannel.run(SocketChannel) \$1.run(SocketRemoteSiteListener) at java.base/java.lang.Thread.run(Thread) </pre> <p>Workarounds: Choose one of the following options before upgrading to JDK 8u242 or a newer JDK version:</p> <ul style="list-style-type: none"> Upgrade to HDF 3.51 or a newer version. Cloudera recommends this option. Change all the Remote Process Groups and Site-to-Site based reporting tasks to use HTTP transport protocol instead of RAW transport protocol. <p>If neither of these options work for you, contact Cloudera Support for other options.</p>
BUG-118594	N/A	N/A	SAM app with storm-druid sink throws exception.
BUG-108848	N/A	Kafka	Kafka 1.1.1 producer cannot produce messages with snappy compression on IBM Power.

Table 12: Technical Service Bulletin

Technical Service Bulletin	Apache JIRA	Apache component	Summary
TSB-497	N/A	Solr	<p>CVE-2021-27905: Apache Solr SSRF vulnerability with the Replication handler</p> <p>The Apache Solr ReplicationHandler (normally registered at "/replication" under a Solr core) has a "masterUrl" (also "leaderUrl" alias) parameter. The "masterUrl" parameter is used to designate another ReplicationHandler on another Solr core to replicate index data into the local core. To help prevent the CVE-2021-27905 SSRF vulnerability, Solr should check these parameters against a similar configuration used for the "shards" parameter.</p> <p>For the latest update on this issue, see the corresponding Knowledge article: TSB 2021-497: CVE-2021-27905: Apache Solr SSRF vulnerability with the Replication handler</p>

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