

Release Notes 3

Release Notes

Date of Publish: 2019-05-15



<https://docs.hortonworks.com/>

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Hortonworks DataFlow 3.4.1.1 Release Notes

This document provides you with the latest information about the HDF 3.4.1.1 release and its product documentation.

Component Support

HDF 3.4.1.1 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 3.4.1.1

HDF 3.4.1.1 is a maintenance release that includes mainly bug fixes. There are no new features introduced in this release.

For information on the fixed bugs, see *Fixed Issues*.

Related Information

[Fixed Issues](#)

Unsupported Features

Some features exist within HDF 3.4.1.1, but Hortonworks does not currently support these capabilities.

Technical Preview Features

The following features are available within 3.4.1.1 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: 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.x 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 3.4.1.1 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.

There are no behavioral changes in this release.

Apache Patch Information

The following sections list patches in each HDF 3.4.1.1 component beyond what was fixed in the base version of the Apache component.

NiFi Patches

This release provides NiFi 1.9.0 and the listed Apache patches.

- [NIFI-6097](#): Upgrade jackson-databind direct dependencies.
- [NIFI-6105](#): Arrays of records/maps not handled correctly in Record processors.
- [NIFI-6150](#): Content Repo not getting cleaned up.
- [NIFI-6155](#): Framework task that checks if a component should run is not protected by try/catch.
- [NIFI-6215](#): Cannot swap in Flowfiles.
- [NIFI-6236](#): Content Repo not getting cleaned up when using VolatileFlowFileRepository.

For information about Apache NiFi patches fixed in HDF 3.4.0, see <https://docs.hortonworks.com/HDPDocuments/HDF3/HDF-3.4.0/release-notes/content/patches-nifi.html>.

HDF Repository Locations

Use the following tables to identify the HDF 3.4.1.1 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.

Table 2: Amazon Linux 2 repositories & additional download locations

| OS | Format | Download location |
|-----------------------|--|---|
| Amazon Linux 2 | HDF Build number | 3.4.1.1-4 |
| | HDF Base URL | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/amazonlinux2 |
| | HDF Repo | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/amazonlinux2/hdf.repo |
| | RPM tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/amazonlinux2/HDF-3.4.1.1-amazonlinux2-rpm.tar.gz |
| | Tars tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/amazonlinux2/HDF-3.4.1.1-amazonlinux2-tars-tarball.tar.gz |
| | HDF Management Pack | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/amazonlinux2/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.1.1-4.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/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.tar.gz |
| | NiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.tar.gz |
| | Docker Hub | https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.1.1 |
| | NiFi Registry | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.tar.gz |
| | MiNiFi Java Agent | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.tar.gz |
| | MiNiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-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 | 3.4.1.1-4 |
| | HDF Base URL | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/centos7 |
| | HDF Repo | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/centos7/hdf.repo |
| | RPM tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/centos7/HDF-3.4.1.1-centos7-rpm.tar.gz |
| | Tars tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/centos7/HDF-3.4.1.1-centos7-tars-tarball.tar.gz |
| | HDF Management Pack | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/centos7/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.1.1-4.tar.gz |

| OS | Format | Download location |
|----|-----------------------------|---|
| | MiNiFi C++ Agent | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/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/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.tar.gz |
| | NiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.tar.gz |
| | Docker Hub | https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.1.1 |
| | NiFi Registry | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.tar.gz |
| | MiNiFi Java Agent | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.tar.gz |
| | MiNiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-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 | 3.4.1.1-4 |
| | HDF Base URL | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/sles12 |
| | Repo | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/sles12/hdf.repo |
| | RPM tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/sles12/HDF-3.4.1.1-sles12-rpm.tar.gz |
| | Tars tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/sles12/HDF-3.4.1.1-sles12-tars-tarball.tar.gz |
| | HDF Management Pack | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/sles12/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.1.1-4.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/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.tar.gz |

| OS | Format | Download location |
|----|-----------------------|---|
| | NiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.tar.gz |
| | Docker Hub | https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.1.1 |
| | NiFi Registry | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.tar.gz |
| | MiNiFi Java Agent | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.tar.gz |
| | MiNiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-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 | 3.4.1.1-4 |
| | HDF Base URL | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/ubuntu14 |
| | Repo | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/ubuntu14/hdf.list |
| | Deb tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/ubuntu14/HDF-3.4.1.1-ubuntu14-deb.tar.gz |
| | Tars tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/ubuntu14/HDF-3.4.1.1-ubuntu14-tars-tarball.tar.gz |
| | HDF Management Pack | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/ubuntu14/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.1.1-4.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/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.tar.gz |
| | NiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.tar.gz |
| | Docker Hub | https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.1.1 |
| | NiFi Registry | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.tar.gz |
| | MiNiFi Java Agent | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.tar.gz |

| OS | Format | Download location |
|----|-----------------------|---|
| | MiNiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-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 | 3.4.1.1-4 | |
| | HDF Base URL | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/ubuntu16 | |
| | Repo | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/ubuntu16/hdf.list | |
| | Deb tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/ubuntu16/HDF-3.4.1.1-ubuntu16-deb.tar.gz | |
| | Tars tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/ubuntu16/HDF-3.4.1.1-ubuntu16-tars-tarball.tar.gz | |
| | HDF Management Pack | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/ubuntu16/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.1.1-4.tar.gz | |
| | MiNiFi C++ Agent | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/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/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.tar.gz | |
| | NiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.tar.gz | |
| | Docker Hub | https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.1.1 | |
| | NiFi Registry | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.tar.gz | |
| | MiNiFi Java Agent | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.tar.gz | |
| | MiNiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-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 7: Debian 9 HDF repository & additional download locations

| OS | Format | Download location |
|-----------------------|---|---|
| Debian 9 | HDF Build Number | 3.4.1.1-4 |
| | HDF Base URL | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/debian9 |
| | Repo | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/debian9/hdf.list |
| | Deb tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/debian9/HDF-3.4.1.1-debian9-deb.tar.gz |
| | Tars tarball | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/debian9/HDF-3.4.1.1-debian9-tars-tarball.tar.gz |
| | HDF Management Pack | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/debian9/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.1.1-4.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/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-1.9.0.3.4.1.1-4-bin.tar.gz |
| | NiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-toolkit-1.9.0.3.4.1.1-4-bin.tar.gz |
| | Docker Hub | https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.4.1.1 |
| | NiFi Registry | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/nifi-registry-0.3.0.3.4.1.1-4-bin.tar.gz |
| | MiNiFi Java Agent | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-0.6.0.3.4.1.1-4-bin.tar.gz |
| MiNiFi Toolkit | <ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/minifi-toolkit-0.6.0.3.4.1.1-4-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/3.4.1.1/windows/nifi-3.4.1.1-4.msi |
| MiNiFi MSI | https://archive.cloudera.com/p/HDF/3.x/3.4.1.1/windows/minifi-3.4.1.1-4.msi |

HDF Repository Location for IBM Power Systems

Use the following table to identify the HDF 3.4.1.1 repository location for IBM power systems and operational objectives.

Table 9: RHEL 7 HDF repository & additional download locations

| OS | Format | Download location |
|------------------|-----------------------------|---|
| RHEL 7 (64-bit): | HDF Build Number | 3.4.1.1-4 |
| | HDF Base URL | http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.4.1.1 |
| | HDF Repo | http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.4.1.1/hdf.repo |
| | RPM tarball | http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.4.1.1/HDF-3.4.1.1-centos7-ppc-rpm.tar.gz |
| | Tars tarball | http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.4.1.1/HDF-3.4.1.1-centos7-ppc-tars-tarball.tar.gz |
| | HDF Management Pack | http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.4.1.1/tars/hdf_ambari_mp/hdf-ambari-mpack-3.4.1.1-4.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 3.4.1.1.

The following CVEs have been fixed in HDF 3.4.1.1:

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-118669 | NIFI-6105 | Arrays of records/maps not handled correctly in Record processors. |
| BUG-119082 | NIFI-6150 | Content Repo not getting cleaned up. |
| BUG-119179 | NIFI-6155 | Framework task that checks if a component should run is not protected by try/catch. |
| BUG-119729 | NIFI-6215 | Cannot swap in Flowfiles. |
| BUG-119730 | NIFI-6236 | Content Repo not getting cleaned up when using VolatileFlowFileRepository. |
| BUG-119846 | NIFI-6097 | Upgrade jackson-databind direct dependencies. |

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>Description of the problem</p> <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(SocketAdaptor.java:113) at org.apache.nifi.remote.SiteListener.run(SocketRemoteSiteListener.java:113) at java.base/java.lang.Thread.run(Thread.java:834) </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> |
| DOCS-8292 | JDK-8245417 and JDK-8256818 | NiFi | <p>Description of the problem:</p> <p>JDK 8u271, JDK 8u281, and JDK 8u291 may cause socket leak issue in NiFi due to JDK-8245417 and JDK-8256818. Pay attention to the build version of your JDK because some later builds are fixed as described in JDK-8256818.</p> <p>Workaround:</p> <p>Consider using a more recent version of the JDK like 8u282, or builds of the JDK where the issue is fixed.</p> |

| Hortonworks Bug ID | Apache JIRA | Apache Component | Summary |
|--------------------|---------------------------|------------------|---|
| DOCS-6263 | KAFKA-7697 | Kafka | <p>Description of the problem:</p> <p>You may experience a performance deterioration after upgrade to HDF 3.4.x with Kafka version 2.1.0.</p> <p>Workaround:</p> <p>To work around this issue, upgrade to HDF 3.5.x or see your support representative for an available hotfix.</p> |
| BUG-120051 | NIFI-6285 | NiFi | <p>Description of the problem:</p> <p>When you configure a NiFi Connection by changing the Load Balance Strategy, NiFi automatically redistributes the data as needed. If this occurs while data is swapped out from the NiFi process, however, this can result in the data not being swapped back in. When this occurs, the data remains in the queue and not be processed.</p> <p>Associated error message:</p> <p>You may see an error message in the logs, similar to: Encountered unknown Swap File ./flowfile_repository/swap/1557762343026-9e6b1ea4-016a-1000-ffff-ffff9a287a94-0ef48376-b919-4aae-9b72-0e7acfd1bf9.rebalance.swap; will ignore this Swap File. This file should be cleaned up manually.</p> <p>To avoid this issue:</p> <p>To avoid this, ensure that you stop the Processor upstream of any connection and allow the queue to empty before changing the Load Balance Strategy.</p> <p>To work around this issue:</p> <p>To work around this issue if you do encounter it, shut down NiFi and rename the files in the FlowFile Repository's "swap" directory such that it matches the pattern <timestamp>-<connection identifier>-<uuid>.local.swap instead of <timestamp>-<connection identifier>-<uuid>.<other-partition-name>.swap and then restart NiFi. Be sure only to rename those Swap Files whose name contains the relevant connection's identifier.</p> |
| BUG-118594 | N/A | N/A | <p>Description of the problem:</p> <p>SAM app with storm-druid sink throws exception.</p> |

| Hortonworks Bug ID | Apache JIRA | Apache Component | Summary |
|--------------------|-------------|------------------|--|
| BUG-108848 | N/A | Kafka | Description of the problem: Kafka 1.1.1 producer cannot produce messages with snappy compression on IBM Power. |
| N/A | Kafka-7697 | Kafka | Description of the problem: You may experience a performance deterioration after upgrade to HDF 3.4.x with Kafka version 2.1.0. Workaround: To work around this issue, upgrade to HDF 3.5.x or see your support representative for an available hotfix. |
| N/A | N/A | Kafka | HDF 3.4.1.1 contains Apache Kafka version 2.1.0, while HDP 3.1.0 contains Kafka 2.0.0. If you are using HDF with any HDP components, be aware of this interoperability issue. Review the Notable changes in Apache Kafka 2.1.0 to understand any interoperability issues that may arise. |

Table 12: Technical Service Bulletin

| Technical Service Bulletin | Apache JIRA | Apache component | Summary |
|----------------------------|-------------|------------------|---|
| TSB-497 | N/A | Solr | CVE-2021-27905: Apache Solr SSRF vulnerability with the Replication handler 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. 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 |

Third-Party Licenses

HDF 3.4.1.1 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.

Legal Information

Hortonworks DataFlow 3.4.1.1

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