

Release Notes 3

Release Notes

Date of Publish: 2020-04-28



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

Contents

Hortonworks DataFlow 3.5.1 Release Notes.....	3
Component Support.....	3
Component Availability in HDF.....	3
Understanding the Apache Component Version.....	4
What's New in HDF 3.5.1.....	5
Unsupported Features.....	6
Technical Preview Features.....	6
Community Driven Features.....	7
Unsupported HDP Components.....	8
Unsupported Customizations.....	9
Behavior Changes.....	9
Apache Patch Information.....	9
NiFi Patches.....	10
NiFi Registry Patches.....	10
Common Vulnerabilities and Exposures.....	11
Download.....	13
HDF Repository Locations.....	13
HDF Repository Location for IBM Power Systems.....	18
Fixed Issues.....	18
Known Issues.....	18
Third-Party Licenses.....	20
Legal Information.....	21

Hortonworks DataFlow 3.5.1 Release Notes

This document provides you with the latest information about the HDF 3.5.1 release and its product documentation.

Component Support

HDF 3.5.1 includes the following components:

- Apache Ambari 2.7.5
- Apache Kafka 2.3.1
- Apache NiFi 1.11.4
- NiFi Registry 0.6.0
- 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 0.8.1
- 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 3.5.1	1.11.4	1.2.1	2.3.1	3.4.6	2.7.5	1.2.0	0.6.0	0.6.0	0.6.0	0.8.1	0.6.0	1.5.0
HDF 3.5.0	1.11.1	1.2.1	2.3.1	3.4.6	2.7.5	1.2.0	0.6.0	0.6.0	0.6.0	0.8.1	0.5.0	1.5.0
HDF 3.4.1.1	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 3.4.0	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

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

Understanding the Apache Component Version

At Cloudera, products are versioned with 4 digits plus a build number (for example, HDF 3.4.1.1-4). Apache components shipped within the products are versioned with the product version prefixed by the 3 digits of the Apache version (for example, in HDF 3.4.1.1-4, we have NiFi 1.9.0.3.4.1.1-4).

When we start building a release of a product, we use, as the base version, the Apache component version which exists at that time. However, it does not mean that the component version we ship is equal to the corresponding Apache version. Between the moment we start building a release, and the moment the release gets out, we add a lot of improvements, features and fixes.

This is why it is important to distinguish the Apache version from the Cloudera version. For example, the NiFi version in HDF 3.5.1.0 is NiFi 1.11.4.3.5.1.0-<build-number>. It means that when we started building the HDF 3.5.1.0 release, we used Apache NiFi 1.11.4 as the base version. However, it does not mean that the NiFi version we ship is equal to Apache NiFi 1.11.4. In fact, we added a lot of improvements on top of it. At the end, in this release,

NiFi 1.11.4.3.5.1.0-<build-number> is actually including more things than what you could find in Apache NiFi 1.11.4.

What's New in HDF 3.5.1

HDF 3.5.1 is a major release that includes new features, bug fixes, and improvements.

Apache NiFi Updates

NiFi has been upgraded from 1.9.0 to 1.11.4.



Note: The NiFi version in HDF 3.5.1.0 is NiFi 1.11.4.3.5.1.0, which includes fixes that is available in Apache NiFi 1.11.4 as well as additional improvements.

New features and improvements in Apache NiFi include:

- **Parameters.** The parameters are a new concept in NiFi that allows users to define Parameter Contexts attached to process groups so that any property (including sensitive properties and properties not supporting expression language) can be parameterized. This is particularly useful in CI/CD pipelines when deploying workflows across multiple environments. Parameters should be used as a replacement of the variables.
- **Predictive monitoring.** NiFi has now an internal analytics framework which can be enabled to predict back pressure occurrence, given the configured settings for threshold on a queue. It uses recent observations from a queue (either number of objects or content size over time) and calculates predictions based on a model to anticipate backpressure.

For more details on analytics properties, see [Analytics Properties](#).

- **Rules engine (Technical Preview).** It is now possible to define a Rules Engine controller service to support execution of a centralized set of rules (stored as files or provided within the service configuration) against a provided set of data called facts. Upon execution, the rules engine will determine what rules have been met and return a list of actions that should be executed based on the conditions defined within the rules. This is particularly useful for workflow monitoring.
- **Content and Flow File repositories encryption (Technical Preview).** In addition to the Provenance repository it is now possible to encrypt both Content and Flow File repositories on disks to comply with strict security requirements. This feature is in technical preview.

For more details on flow file repository properties, see [Encrypted Write Ahead FlowFile Repository Properties](#).

For more details on content repository properties, see [Encrypted File System Content Repository Properties](#).

- **SQL reporting task.** The QueryNiFiReportingTask allows users to execute SQL queries against tables containing information on Connection Status, Processor Status, Bulletins, Process Group Status, JVM Metrics, Provenance and Connection Status Predictions. In combination with Site to Site, it is particularly useful to define fine-grained monitoring capabilities on top of the running workflows.

Apache Kafka Updates

Kafka has been upgraded from 2.1.0 to 2.3.1.

For more information on fixed Apache Kafka patches, see [Release Notes - Kafka - Version 2.3.1](#).

Schema Registry Updates

Schema Registry has been upgraded from 0.7.0 to 0.8.1.

New features, improvements, and fixes in Schema Registry include:

- **ISSUE 548:** Make compatible with Avro 1.9.0.
- **ISSUE 555 :** Expose an option to disable canonical check while adding a new schema version.
- **ISSUE 560 :** Close unclosed ResultSet in storage.
- **ISSUE 568 :** Synchronize Kerberos ticket renewal for non-renewable ticket.

- ISSUE 569: Support Kerberos credentials based Basic Authentication.
- ISSUE 574 : Fix the issue while re-creating a deleted schema.
- ISSUE 575: Add migration to enable editing of schema post upgrade to 0.6.0.
- ISSUE 578: Find schema version by fingerprint of schema text.
- ISSUE 582 : Using OpenJDK instead of OracleJDK for Travis builds.
- ISSUE 586: KerberosBasicAuthenticationHandler should validate Authorization before processing.
- ISSUE-588: Support for Oracle TLS configs in Storage layer.
- ISSUE-590 : Update release-sign-artifacts maven profile to generate javadocs and sources.
- ISSUE-592: Security changes to enable Trusted Proxy in SPNEGO authentication.
- ISSUE-596: Fixed the Bootstrap script error on passing "drop-create" option.
- ISSUE-598: Fix SR to run on Java 11.
- ISSUE-603: Registry is failing to parse the doAs user.
- ISSUE-605: Bump up the Avro version to 1.9.1.
- ISSUE-607: Schema Registry UI hangs occasionally on first use.
- ISSUE-608: Support one way SSL in schema registry client.
- ISSUE-610: Provide JAAS config dynamically via config.
- MINOR : Handle NPE when logging is enabled to debug mode
- MINOR : Update nexus url
- MINOR : Updated README.md
- MINOR : Doc for running schema registry behind a load balancer
- Hortonworks licenses changed to Cloudera licenses.



Note: In this release, license headers are updated for all the files. In case you upgrade schema registry to 0.8.1 "bootstrap-storage.sh migrate" would fail. Please run "bootstrap-storage.sh repair" before the migrate command.

Unsupported Features

Some features exist within HDF 3.5.1, but Cloudera does not currently support these capabilities.

Technical Preview Features

The following features are available within 3.5.1 but are not ready for production deployment. Cloudera encourages you to explore these technical preview features in non-production environments and provide feedback on your experiences through the [Cloudera Community Forums](#).

Table 1: Technical Previews

Component	Feature
MiNiFi	Android/iOS MiNiFi libraries for mobile integration
NiFi	Encrypted flow file repository
NiFi	Encrypted content repository
NiFi	The following rules engine and handlers controller services: <ul style="list-style-type: none"> • EasyRulesEngineService • EasyRulesEngineProvider • ScriptedRulesEngine • ActionHandlerLookup • AlertHandler • ExpressionHandler • LogHandler • RecordSinkHandler • ScriptedActionHandler

Community Driven Features

The following features are developed and tested by the Cloudera community but are not officially supported by Cloudera. 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 Cloudera 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
- ExtractCCDAAttributes
- ExtractEmailAttachments
- ExtractEmailHeaders
- ExtractMediaMetadata
- ExtractTNEFAttachments
- ExecuteFlumeSink
- ExecuteFlumeSource
- FuzzyHashContent
- GetDynamoDB
- GetHDFSEvents
- GetMongo
- GetRethinkDB
- GetSNMP
- ISPErichIP
- InferAvroSchema
- ListenBeats
- ListenLumberjack
- ListenSMTP
- ModifyBytes
- MoveHDFS
- ParseNetflowv5
- ParseSyslog5424
- PostSlack
- PublishKafka_0_11
- PublishKafkaRecord_0_11

- PutCassandraRecord
- PutIgniteCache
- PutMongo
- PutMongoRecord
- PutRethinkDB
- PutSlack
- QueryDNS
- RunMongoAggregation
- SetSNMP
- SpringContextProcessor
- StoreInKiteDataset

**Note:**

HDF 3.5.1 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

- ActionHandlerLookup
- AlertHandler
- ConfluentSchemaRegistry
- EasyRulesEngineService
- EasyRulesEngineProvider
- ExpressionHandler
- GraphiteMetricReporterService
- IPLookupService
- JettyWebSocketClient
- JettyWebSocketServer
- LivySessionController
- LogHandler
- MongoDBControllerService
- MongoDBLookupService
- PropertiesFileLookupService
- RecordSinkHandler
- ScriptedActionHandler
- ScriptedRulesEngine
- SimpleCsvFileLookupService
- XMLFileLookupService

Community Driven NiFi Reporting Tasks

- AzureLogAnalyticsProvenanceReportingTask
- AzureLogAnalyticsReportingTask
- DataDogReportingTask
- MetricsReportingTask
- StandardGangliaReporter

Unsupported HDP Components

NiFi processors available in HDF 3.5.1 have been tested against the following HDP components:

- Hive 1.2.1000 in HDP 2.5.x and HDP 2.6.x
- Hive 3.1.0 in HDP 3.0.x and HDP 3.1.x

- Hadoop, HBase and Kafka included from HDP 2.5.x to HDP 3.1.x

Using processors to interact with other configurations of Hive, Hadoop, Hbase and Kafka is not covered by Cloudera 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.

The followings are the behavioral changes in Apache NiFi component in this release:

Removal of Auto-Create Partitions Property

Scenario

The Auto-Create Partitions property was removed from the PutHive3Streaming processor. It causes existing instances of this processor to become invalid. The property would appear as an unsupported user-defined property.

Expected user action

You must remove this property to return the processor to a valid state.

Change in CompressContent

Scenario

CompressContent has been updated to specify the compression level when using XZ-LZMA2 compression whereas before it was unspecified. The default is level 1 now.

CompressContent had previously only used that property for GZIP compression.

Expected user action

If you wish to see higher levels of compression (and CPU effort) you might wish to set this value higher.

Change in PutKudu Processor

Scenario

PutKudu processor is updated to handle the timestamp type more transparently or seamlessly.

PutKudu processor - while NIFI-6551 fixes flows writing to Kudu timestamp (UNIXTIME_MICROS) columns through timestamp or date fields. This change could break PutKudu processors that are writing to Kudu timestamp (UNIXTIME_MICROS) columns through numeric fields. Before this change, flows would often multiply millisecond values by 1000 to write microsecond values to Kudu.

Expected user action

On upgrade, this multiplication should be removed and milliseconds should be sent.

Apache Patch Information

The following sections list patches in each HDF 3.5.1 component beyond what was fixed in the base version of the Apache component.

NiFi Patches

This release provides NiFi 1.11.4 and the listed Apache patches.



Note: The NiFi version in HDF 3.5.1.0 is NiFi 1.11.4.3.5.1.0, which includes fixes that is available in Apache NiFi 1.11.4 as well as additional improvements.

- [NIFI-4792](#): Allow QueryRecord processor to query nested arrays.
- [NIFI-6064](#): MockComponentLog misplaces reported exceptions.
- [NIFI-6491](#): Improve installation documentation.
- [NIFI-6551](#): Improve timestamp handling for PutKudu processor.
- [NIFI-6867](#): PutKudu operation type parameter allows bad values.
- [NIFI-6927](#): PutElasticsearchHttp 1.10.0 with java 11 Fails to initialize due to "clientBuilder.sslSockerFactory(SSLsocketFactory) not supported on JDK 9+.
- [NIFI-6958](#): Disabled State in Registry (in Sub PG) breaks Flow Update on Nifi Side.
- [NIFI-6968](#): Create Connection Modal Allows Multiple Adds.
- [NIFI-7049](#): SFTP processors shouldn't silently try to access known hosts file of the user.
- [NIFI-7053](#): Update Toolkit Guide with macOS 10.15 trusted certificate requirements (2048 bit key and max of 825 days of validity).
- [NIFI-7067](#): Allow a user and group with the same name/identity to exist.
- [NIFI-7075](#): Update list of flowfile core attributes in Developer Guide.
- [NIFI-7082](#): In tls-toolkit, change default validity of to 825 days or less.
- [NIFI-7095](#): ResetSetRecordSet: handle java.sql.Array Types in normalizeValue method.
- [NIFI-7105](#): NPE in SiteToSiteStatusReportingTask for counters.
- [NIFI-7106](#): Add parent name and parent path in SiteToSiteStatusReportingTask.
- [NIFI-7108](#): Upgrade com.puppcrawl.tools:checkstyle.
- [NIFI-7109](#): Unit tests should be able to determine if item validator was called.
- [NIFI-7114](#): NiFi not closing file handles.
- [NIFI-7117](#): Load Balance is not working.
- [NIFI-7132](#): PutCassandraQL is handling UUIDs as Strings.
- [NIFI-7135](#): Fix Java 11 build with com.puppcrawl.tools:checkstyle:jar:8.29 dependency.
- [NIFI-7136](#): Set the autocomplete HTML5 tag to false for username/password login fields.
- [NIFI-7142](#): Automatically handle schema drift in the PutKudu processor.
- [NIFI-7143](#): Upgrade GCP dependency.
- [NIFI-7157](#): Investigate adoption of Github Workflow - Actions - CI.
- [NIFI-7165](#): Update documentation for Toolkit certificate validity period to 825 days.
- [NIFI-7175](#): Fix formatting of core attributes in docs.

For more information on fixed Apache NiFi patches, see <https://cwiki.apache.org/confluence/display/NIFI/Release+Notes>.

NiFi Registry Patches

This release provides NiFi Registry 0.6.0 and the listed Apache patches.

- [NIFIREG-252](#): Add docker maven image and build profile.
- [NIFIREG-320](#): Add standard HTTP security headers.
- [NIFIREG-323](#): Updated bootstrap port handling causes restarts to fail.
- [NIFIREG-325](#): Support for node identity group.
- [NIFIREG-334](#): Changes to support Java 11.
- [NIFIREG-336](#): Enable Integration Tests by Default.
- [NIFIREG-353](#): Add ShellUserGroupProvider to NiFi Registry.
- [NIFIREG-355](#): Include profiles for hadoop libs in ranger plugin.
- [NIFIREG-356](#): Fixing additional classpath resources for Authorizers.

- **NIFIREG-358**: Proxy authorization not working with groups.

For more information on fixed Apache NiFi Registry patches, see <https://cwiki.apache.org/confluence/display/NIFIREG/Release+Notes>.

Common Vulnerabilities and Exposures

Lists common vulnerabilities and exposures fixed in HDF 3.5.1.

The following CVEs have been fixed in HDF 3.5.1:

CVE-2019-11358

Component: Apache NiFi

Description: Various vulnerabilities existed within the JQuery dependency used by NiFi. See [NIST NVD CVE-2019-11358](#) for more information.

Severity: Medium

Versions Affected: Apache NiFi 1.6.0 - 1.9.2

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2019-11358>

CVE-2019-10247, CVE-2019-10246

Component: Apache NiFi

Description: Various vulnerabilities existed within the Jetty dependency used by NiFi. See [NIST NVD CVE-2019-10247](#), [NIST NVD CVE-2019-10246](#) for more information.

Severity: Medium

Versions Affected: Apache NiFi 1.8.0 - 1.9.2

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2019-10247>

CVE-2019-16335, CVE-2019-14540, CVE-2019-14439, CVE-2019-12814, CVE-2019-12384, CVE-2019-12086, CVE-2018-1000873, CVE-2018-19362, CVE-2018-19361, CVE-2018-19360

Component: Apache NiFi

Description: Various vulnerabilities existed within the Jackson Core: Databind dependency used by NiFi. See [NIST NVD CVE-2019-16335](#), [NIST NVD CVE-2019-14540](#), [NIST NVD CVE-2019-14439](#), [NIST NVD CVE-2019-12814](#), [NIST NVD CVE-2019-12384](#), [NIST NVD CVE-2019-12086](#), [NIST NVD CVE-2018-1000873](#), [NIST NVD CVE-2018-19362](#), [NIST NVD CVE-2018-19361](#), [NIST NVD CVE-2018-19360](#) for more information.

Severity: Medium

Versions Affected: Apache NiFi 1.0.0 - 1.9.2

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2019-16335>

CVE-2019-0193, CVE-2019-0192, CVE-2017-3164

Component: Apache NiFi

Description: Various vulnerabilities existed within the Solr dependency used by NiFi. See [NIST NVD CVE-2019-0193](#), [NIST NVD CVE-2019-0192](#), [NIST NVD CVE-2017-3164](#) for more information.

Severity: Critical

Versions Affected: Apache NiFi 1.0.0 - 1.9.2

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2019-0193>

CVE-2017-5637, CVE-2016-5017, CVE-2018-8012

Component: Apache NiFi

Description: Various vulnerabilities existed within the Zookeeper dependency used by NiFi. See [NIST NVD CVE-2018-8012](#), [NIST NVD CVE-2017-5637](#), [NIST NVD CVE-2016-5017](#) for more information.

Severity: Important

Versions Affected: Apache NiFi 1.0.0 - 1.9.2

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2017-5637>

CVE-2019-10083

Component: Apache NiFi

Description: When updating a Process Group via the API, the response to the request includes all of its contents (at the top most level, not recursively). The response included details about processors and controller services which the user may not have had read access to.

Severity: Low

Versions Affected: Apache NiFi 1.3.0 - 1.9.2

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2019-10083>

CVE-2019-12421

Component: Apache NiFi

Description: If NiFi uses an authentication mechanism other than PKI, when the user clicks Log Out, NiFi invalidates the authentication token on the client side but not on the server side. This permits the user's client-side token to be used for up to 12 hours after logging out to make API requests to NiFi.

Severity: Moderate

Versions Affected: Apache NiFi 1.0.0 - 1.9.2

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2019-12421>

CVE-2019-10080

Component: Apache NiFi

Description: The XMLFileLookupService allowed trusted users to inadvertently configure a potentially malicious XML file. The XML file has the ability to make external calls to services (via XXE) and reveal information such as the versions of Java, Jersey, and Apache that the NiFi instance uses.

Severity: Low

Versions Affected: Apache NiFi 1.3.0 - 1.9.2

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2019-10080>

CVE-2019-10768

Component: Apache NiFi

Description: An Object.prototype pollution vulnerability existed within the AngularJS dependency used by NiFi. See [NIST NVD CVE-2019-10768](#) for more information.

Severity: Important

Versions Affected: Apache NiFi 1.8.0 - 1.10.0

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2019-10768>

CVE-2020-1933

Component: Apache NiFi

Description: Malicious scripts could be injected to the UI through action by an unaware authenticated user in Firefox. Did not appear to occur in other browsers.

Severity: Important

Versions Affected: Apache NiFi 1.0.0 - 1.10.0

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2020-1933>

CVE-2020-1928

Component: Apache NiFi

Description: The sensitive parameter parser would log parsed property descriptor values for debugging purposes. This would expose literal values entered in a sensitive property when no parameter was present.

Severity: Moderate

Versions Affected: Apache NiFi 1.10.0

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2020-1928>

CVE-2020-1942

Component: Apache NiFi

Description: The flow fingerprint factory generated flow fingerprints which included sensitive property descriptor values. In the event a node attempted to join a cluster and the cluster flow was not inheritable, the flow fingerprint of both the cluster and local flow was printed, potentially containing sensitive values in plaintext.

Severity: Important

Versions Affected: Apache NiFi 0.0.1 - 1.11.0

Apache CVE Report Link: <https://nifi.apache.org/security.html#CVE-2020-1942>

Download

To access HDF software artifacts, authentication is now required.

For information on how to download HDF software artifacts, see *Downloading Your Software*.

For information on HDF repo locations, see *HDF Repository Locations* and *HDF Repository Locations for IBM Power Systems*.

Related Information

[Downloading your Software](#)

[HDF Repository Locations](#)

[HDF Repository Location for IBM Power Systems](#)

HDF Repository Locations

Use the following tables to identify the HDF 3.5.1 repository location for your operating system and operational objectives.

Access to the HDF software artifacts for production purposes requires authentication. Prior to starting installation, you must download the HDF software artifacts from the Cloudera Downloads portal.

You must first have an active subscription agreement that provides you access to download and use HDF. You get the credentials from Cloudera sales representatives or from the Flow Management account welcome email. The entitlement to HDF is connected to your MyCloudera account which you can use to access the HDF downloads page.

**Note:**

The download credentials contained in your welcome email are not the same as the credentials you use to access the support portal.

Table 2: Amazon Linux 2 repositories & additional download locations

OS	Format	Download location
Amazon Linux 2	HDF Build number	3.5.1.0-17
	HDF Base URL	https://archive.cloudera.com/p/HDF/amazonlinux2/3.x/updates/3.5.1.0
	HDF Repo	https://archive.cloudera.com/p/HDF/amazonlinux2/3.x/updates/3.5.1.0/hdf.repo
	RPM tarball	https://archive.cloudera.com/p/HDF/amazonlinux2/3.x/updates/3.5.1.0/HDF-3.5.1.0-amazonlinux2-rpm.tar.gz
	Tars tarball	https://archive.cloudera.com/p/HDF/amazonlinux2/3.x/updates/3.5.1.0/HDF-3.5.1.0-amazonlinux2-tars-tarball.tar.gz
	HDF Management Pack	https://archive.cloudera.com/p/HDF/amazonlinux2/3.x/updates/3.5.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.5.1.0-17.tar.gz
	HDP and Ambari Repositories	
	Ambari	https://archive.cloudera.com/p/ambari/amazonlinux2/2.x/updates/2.7.5.0/ambari.repo
	HDP	https://archive.cloudera.com/p/HDP/amazonlinux2/3.x/updates/3.1.5.0/hdp.repo
	HDP-UTILS	https://archive.cloudera.com/p/HDP-UTILS/1.1.0.22/repos/amazonlinux2
	OS Agnostic Downloads	
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-1.11.4.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-1.11.4.3.5.1.0-17-bin.tar.gz
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-toolkit-1.11.4.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-toolkit-1.11.4.3.5.1.0-17-bin.tar.gz
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.5.1.0
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-registry-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-registry-0.6.0.3.5.1.0-17-bin.tar.gz
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-0.6.0.3.5.1.0-17-bin.tar.gz
	MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-toolkit-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-toolkit-0.6.0.3.5.1.0-17-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	3.5.1.0-17
	HDF Base URL	https://archive.cloudera.com/p/HDF/centos7/3.x/updates/3.5.1.0

OS	Format	Download location	
	HDF Repo	https://archive.cloudera.com/p/HDF/centos7/3.x/updates/3.5.1.0/hdf.repo	
	RPM tarball	https://archive.cloudera.com/p/HDF/centos7/3.x/updates/3.5.1.0/HDF-3.5.1.0-centos7-rpm.tar.gz	
	Tars tarball	https://archive.cloudera.com/p/HDF/centos7/3.x/updates/3.5.1.0/HDF-3.5.1.0-centos7-tars-tarball.tar.gz	
	HDF Management Pack	https://archive.cloudera.com/p/HDF/centos7/3.x/updates/3.5.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.5.1.0-17.tar.gz	
	MiNiFi C++ Agent	https://archive.cloudera.com/p/HDF/centos7/3.x/updates/3.5.1.0/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.6.0-bin.tar.gz	
	HDP and Ambari Repositories		
	Ambari	https://archive.cloudera.com/p/ambari/centos7/2.x/updates/2.7.5.0/ambari.repo	
	HDP	https://archive.cloudera.com/p/HDP/centos7/3.x/updates/3.1.5.0/hdp.repo	
	HDP-UTILS	https://archive.cloudera.com/p/HDP-UTILS/1.1.0.22/repos/centos7	
	OS Agnostic Downloads		
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-1.11.4.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-1.11.4.3.5.1.0-17-bin.tar.gz 	
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-toolkit-1.11.4.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-toolkit-1.11.4.3.5.1.0-17-bin.tar.gz 	
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.5.1.0	
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-registry-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-registry-0.6.0.3.5.1.0-17-bin.tar.gz 	
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-0.6.0.3.5.1.0-17-bin.tar.gz 	
MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-toolkit-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-toolkit-0.6.0.3.5.1.0-17-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	HDF Build Number	3.5.1.0-17	
	HDF Base URL	https://archive.cloudera.com/p/HDF/sles12/3.x/updates/3.5.1.0	
	Repo	https://archive.cloudera.com/p/HDF/sles12/3.x/updates/3.5.1.0/hdf.repo	
	RPM tarball	https://archive.cloudera.com/p/HDF/sles12/3.x/updates/3.5.1.0/HDF-3.5.1.0-sles12-rpm.tar.gz	
	Tars tarball	https://archive.cloudera.com/p/HDF/sles12/3.x/updates/3.5.1.0/HDF-3.5.1.0-sles12-tars-tarball.tar.gz	
	HDF Management Pack	https://archive.cloudera.com/p/HDF/sles12/3.x/updates/3.5.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.5.1.0-17.tar.gz	
	HDP and Ambari Repositories		
	Ambari	https://archive.cloudera.com/p/ambari/sles12/2.x/updates/2.7.5.0/ambari.repo	
	HDP	https://archive.cloudera.com/p/HDP/sles12/3.x/updates/3.1.5.0/hdp.repo	

OS	Format	Download location
	HDP-UTILS	https://archive.cloudera.com/p/HDP-UTILS/1.1.0.22/repos/sles12
	OS Agnostic Downloads	
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-1.11.4.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-1.11.4.3.5.1.0-17-bin.tar.gz
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-toolkit-1.11.4.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-toolkit-1.11.4.3.5.1.0-17-bin.tar.gz
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.5.1.0
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-registry-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-registry-0.6.0.3.5.1.0-17-bin.tar.gz
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-0.6.0.3.5.1.0-17-bin.tar.gz
	MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-toolkit-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-toolkit-0.6.0.3.5.1.0-17-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 16 HDF repository & additional download locations

OS	Format	Download location
Ubuntu Trusty 16 (64-bit)	HDF Build Number	3.5.1.0-17
	HDF Base URL	https://archive.cloudera.com/p/HDF/ubuntu16/3.x/updates/3.5.1.0
	Repo	https://archive.cloudera.com/p/HDF/ubuntu16/3.x/updates/3.5.1.0/hdf.list
	Deb tarball	https://archive.cloudera.com/p/HDF/ubuntu16/3.x/updates/3.5.1.0/HDF-3.5.1.0-ubuntu16-deb.tar.gz
	Tars tarball	https://archive.cloudera.com/p/HDF/ubuntu16/3.x/updates/3.5.1.0/HDF-3.5.1.0-ubuntu16-tars-tarball.tar.gz
	HDF Management Pack	https://archive.cloudera.com/p/HDF/ubuntu16/3.x/updates/3.5.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.5.1.0-17.tar.gz
	MiNiFi C++ Agent	https://archive.cloudera.com/p/HDF/ubuntu16/3.x/updates/3.5.1.0/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.6.0-bin.tar.gz
	HDP and Ambari Repositories	
	Ambari	https://archive.cloudera.com/p/ambari/ubuntu16/2.x/updates/2.7.5.0/ambari.list
	HDP	https://archive.cloudera.com/p/HDP/ubuntu16/3.x/updates/3.1.5.0/hdp.list
	HDP-UTILS	https://archive.cloudera.com/p/HDP-UTILS/1.1.0.22/repos/ubuntu16
	OS Agnostic Downloads	
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-1.11.4.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-1.11.4.3.5.1.0-17-bin.tar.gz
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-toolkit-1.11.4.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-toolkit-1.11.4.3.5.1.0-17-bin.tar.gz
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.5.1.0

OS	Format	Download location
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-registry-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-registry-0.6.0.3.5.1.0-17-bin.tar.gz
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-0.6.0.3.5.1.0-17-bin.tar.gz
	MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-toolkit-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-toolkit-0.6.0.3.5.1.0-17-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: Debian 9 HDF repository & additional download locations

OS	Format	Download location
Debian 9	HDF Build Number	3.5.1.0-17
	HDF Base URL	https://archive.cloudera.com/p/HDF/debian9/3.x/updates/3.5.1.0
	Repo	https://archive.cloudera.com/p/HDF/debian9/3.x/updates/3.5.1.0/hdf.list
	Deb tarball	https://archive.cloudera.com/p/HDF/debian9/3.x/updates/3.5.1.0/HDF-3.5.1.0-debian9-deb.tar.gz
	Tars tarball	https://archive.cloudera.com/p/HDF/debian9/3.x/updates/3.5.1.0/HDF-3.5.1.0-debian9-tars-tarball.tar.gz
	HDF Management Pack	https://archive.cloudera.com/p/HDF/debian9/3.x/updates/3.5.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.5.1.0-17.tar.gz
	HDP and Ambari Repositories	
	Ambari	https://archive.cloudera.com/p/ambari/debian9/2.x/updates/2.7.5.0/ambari.list
	HDP	https://archive.cloudera.com/p/HDP/debian9/3.x/updates/3.1.5.0/hdp.list
	HDP-UTILS Base URL	https://archive.cloudera.com/p/HDP-UTILS/1.1.0.22/repos/debian9
	OS Agnostic Downloads	
	NiFi only	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-1.11.4.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-1.11.4.3.5.1.0-17-bin.tar.gz
	NiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-toolkit-1.11.4.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-toolkit-1.11.4.3.5.1.0-17-bin.tar.gz
	Docker Hub	https://hub.docker.com/r/hortonworks/nifi/ Tags are latest and 3.5.1.0
	NiFi Registry	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-registry-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/nifi-registry-0.6.0.3.5.1.0-17-bin.tar.gz
	MiNiFi Java Agent	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-0.6.0.3.5.1.0-17-bin.tar.gz
	MiNiFi Toolkit	<ul style="list-style-type: none"> Zip File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-toolkit-0.6.0.3.5.1.0-17-bin.zip Tar.gz File – https://archive.cloudera.com/p/HDF/3.5.1.0/minifi-toolkit-0.6.0.3.5.1.0-17-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: NiFi and MiNiFi MSI files

File	Location
NiFi MSI	https://archive.cloudera.com/p/HDF/windows/3.x/updates/3.5.1.0/nifi-3.5.1.0-17.msi
MiNiFi MSI	https://archive.cloudera.com/p/HDF/windows/3.x/updates/3.5.1.0/minifi-3.5.1.0-17.msi

HDF Repository Location for IBM Power Systems

Use the following table to identify the HDF 3.5.1 repository location for IBM power systems and operational objectives.

Table 8: RHEL 7 HDF repository & additional download locations

OS	Format	Download location
RHEL 7 (64-bit):	HDF Build Number	3.5.1.0-17
	HDF Base URL	https://archive.cloudera.com/p/HDF/centos7-ppc/3.x/updates/3.5.1.0
	HDF Repo	https://archive.cloudera.com/p/HDF/centos7-ppc/3.x/updates/3.5.1.0/hdf.repo
	RPM tarball	https://archive.cloudera.com/p/HDF/centos7-ppc/3.x/updates/3.5.1.0/HDF-3.5.1.0-centos7-ppc-rpm.tar.gz
	Tars tarball	https://archive.cloudera.com/p/HDF/centos7-ppc/3.x/updates/3.5.1.0/HDF-3.5.1.0-centos7-ppc-tars-tarball.tar.gz
	HDF Management Pack	https://archive.cloudera.com/p/HDF/centos7-ppc/3.x/updates/3.5.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.5.1.0-17.tar.gz
	HDP and Ambari Repositories	
	Ambari	https://archive.cloudera.com/p/ambari/centos7-ppc/2.x/updates/2.7.5.0/ambari.repo
	HDP	https://archive.cloudera.com/p/HDP/centos7-ppc/3.x/updates/3.1.5.0/hdp.repo
	HDP-UTILS	https://archive.cloudera.com/p/HDP-UTILS/1.1.0.22/repos/centos7-ppc

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.

The HDF 3.5.1 is a major release that includes new features and supports for new versions of some Apache components including Apache NiFi, Apache NiFi Registry, Apache Kafka, and Schema Registry. For fixed issues in these Apache components, see *Apache Patch Information*.

Known Issues

Summary of known issues for this release.

- Issue:

JDK 8u271, JDK 8u281, and JDK 8u291 may cause socket leak issues 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.

Workaround:

Consider using a more recent version of the JDK like 8u282, or builds of the JDK where the issue is fixed.

- **Issue:**

ReplaceText, when scheduled to run with multiple Concurrent Tasks, and using a Replacement Strategy of "Regular Expression" or "Literal Replace" can result in content being corrupted.

The issue is far more likely to occur with multiple Concurrent Tasks, but it may be possible to trigger when using a single Concurrent Task.

Workaround:

To get the fix for this issue, file a support case through the Cloudera portal.

- **Issue:**

SAM app with storm-druid sink throws exception.

Workaround:

There is no workaround for this issue.

- **Issue:**

Restarting Stream Analytics Manager may occasionally fail.

Workaround:

In most cases hitting a Retry button solves the issue. If retry does not solve and issue is Downloading mysql jdbc driver failed, the particular file marked in the logs should be removed on that node in /tmp. After that the installation can be continued.

- **Issue:**

Stream Analytics Manager installation may occasionally time out. This is caused by the same root cause as the restart failure issue.

Workaround:

Delete the mysql jar from the Stream Analytics Manager host /tmp folder, and retry after the timeout.

- **Issue:**

When you upgrade HDF from an older version (pre 3.5.0.0) on HDP, Nifi Registry might fail during the start with the following error message:

```
Caused by: org.xml.sax.SAXParseException: cvc-complex-type.2.4.b:
The content of element 'providers' is not complete. One of
'{eventHookProvider, extensionBundlePersistenceProvider}' is expected.
```

Workaround:

To resolve this issue, add the following configuration to Advanced nifi-registry-providers-env in Ambari:

```
<extensionBundlePersistenceProvider>
  <class>org.apache.nifi.registry.provider.extension.FileSystemBundlePersistenceProvid
class>
  <property name="Extension Bundle Storage
Directory">{{nifi_registry_internal_dir}}/extension_bundles</property>
</extensionBundlePersistenceProvider>
```

- **Issue:**

Install or upgrade of HDF fails as the URL for HDP-UTILS, in the mpack, is not correct.

Workaround: - must be replaced with / after the HDP-UTILS string. For example, replace `https://archive.cloudera.com/p/HDP-UTILS-1.1.0.22/repos/centos7` with `https://archive.cloudera.com/p/HDP-UTILS/1.1.0.22/repos/centos7`.

- Issue:

The default Ambari reporting task in NiFi is not configured correctly and the NiFi metrics are not properly displayed in Ambari even though there is no reported error.

Workaround:

In the reporting task configuration, change the Application ID property to an uppercase value: **NIFI**. For example:

The screenshot shows the 'Reporting Task Details' configuration window. The 'PROPERTIES' tab is selected, and a table lists the required fields for the reporting task. The 'Application ID' property is highlighted, showing its value as 'NIFI'.

Property	Value
Metrics Collector URL	<code>\$(ambari.metrics.collector.url)</code>
Application ID	NIFI
Hostname	<code>\$(hostname(true))</code>
Process Group ID	No value set

- TSB-497: 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 3.5.1 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 3.5.1

Copyright information for Hortonworks DataFlow components may be found within the documentation accompanying each component in a particular release.

Hortonworks DataFlow incorporates software from various open source projects released primarily under the Apache Software License 2.0 (“ASLv2”). Other software included may be released under the terms of alternative ASLv2 compatible open source licenses. Please review the license and notice files accompanying the software for additional licensing information.

Please visit the Hortonworks DataFlow page for more information on Hortonworks DataFlow technology. For more information on Hortonworks support services, please visit either the Support or Sales page. Feel free to contact us directly to discuss your specific needs.

Hortonworks reserves the right to change any products described herein at any time, and without notice. Hortonworks assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by Hortonworks.

Trademark: Hortonworks DataFlow is/are trademark/s of Hortonworks, Inc. in the United States and other countries. All other trademarks are the property of their respective owners.

Disclaimer: EXCEPT AS EXPRESSLY PROVIDED IN A WRITTEN AGREEMENT WITH HORTONWORKS, HORTONWORKS DOES NOT MAKE OR GIVE ANY REPRESENTATION, WARRANTY, OR COVENANT OF ANY KIND, WHETHER EXPRESS OR IMPLIED, IN CONNECTION WITH HORTONWORKS TECHNOLOGY OR RELATED SUPPORT PROVIDED IN CONNECTION THEREWITH. HORTONWORKS DOES NOT WARRANT THAT Hortonworks DataFlow WILL OPERATE UNINTERRUPTED OR THAT IT WILL BE FREE FROM DEFECTS OR ERRORS, THAT IT WILL PROTECT YOUR DATA FROM LOSS, CORRUPTION OR UNAVAILABILITY, OR THAT # WILL MEET ALL OF CUSTOMER’S BUSINESS REQUIREMENTS. WITHOUT LIMITING THE FOREGOING, AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, HORTONWORKS EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, QUALITY, NON-INFRINGEMENT, TITLE, AND FITNESS FOR A PARTICULAR PURPOSE AND ANY REPRESENTATION, WARRANTY, OR COVENANT BASED ON COURSE OF DEALING OR USAGE IN TRADE.