

Cloudera Flow Management 1.0.1

## Cloudera Flow Management Release Notes

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# CLOUDERA

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## What's New in This Release?

Cloudera Flow Management (CFM) 1.0.1 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*.

## Unsupported 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.

### Unsupported NiFi Processors

- AttributeRollingWindow
- CompareFuzzyHash
- ConsumeIMAP
- ConsumeKafka\_0\_11
- ConsumeKafkaRecord\_0\_11
- ConsumePOP3
- ConvertExcelToCSVProcessor
- CountText
- DebugFlow
- DeleteMongo
- DeleteRethinkDB
- ExecuteFlumeSink
- ExecuteFlumeSource
- ExecuteSparkInteractive
- ExtractCCDAAttributes
- ExtractEmailAttachments
- ExtractEmailHeaders
- ExtractMediaMetadata
- ExtractTNEFAttachments
- FuzzyHashContent
- GetHDFSEvents
- GetMongo
- GetMongoRecord
- GetRethinkDB
- GetSNMP
- InferAvroSchema
- ISPErichIP
- ListenBeats
- ListenLumberjack
- ListenSMTP
- LogMessage
- ModifyBytes
- MoveHDFS

- ParseNetflowv5
- ParseSyslog5424
- PublishKafka\_0\_11
- PublishKafkaRecord\_0\_11
- PutCassandraRecord
- PutIgniteCache
- PutMongo
- PutMongoRecord
- PutRethinkDB
- PutSlack
- PutTCP
- PutUDP
- QueryDNS
- RunMongoAggregation
- SelectHive3QL
- SetSNMP
- SpringContextProcessor
- StoreInKiteDataset

#### Unsupported NiFi Controller Services

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

#### Unsupported NiFi Reporting Tasks

- DataDogReportingTask
- MetricsReportingTask
- SiteToSiteBulletinReportingTask
- SiteToSiteStatusReportingTask
- StandardGangliaReporter

## Apache Patches

The following sections list patches in each CFM 1.0.1 component beyond what was fixed in the base version of the Apache component.

## NiFi Patches

This release includes Apache NiFi 1.9.0 and the following patches.

- [NIFI-6040](#): ExecuteSQL can't perform batch loading with an input file
- [NIFI-6055](#): Improve error handling during auto-loading of NARs
- [NIFI-6056](#): Cassandra services NAR incorrectly bundles nifi-mock jar
- [NIFI-6059](#): GCS processors throw NullPointerException if Project ID property is not specified
- [NIFI-6065](#): Root Group Ports "waiting" too long
- [NIFI-6068](#): StandardFunnel looping excessively
- [NIFI-6069](#): Incorrect sorting of connection relationships during flow fingerprinting
- [NIFI-6088](#): JSON Record Readers sometimes infer types too narrow for the values, leading to truncation
- [NIFI-6105](#): Arrays of records/maps not handled correctly in Record processors
- [NIFI-6108](#): Port names in nested PGs get changed when importing from Registry
- [NIFI-6110](#): FlowFile Repository can fail to update
- [NIFI-6111](#): View Status History not showing proper values for cluster aggregate values
- [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 Registry Patches

This release includes Apache NiFi Registry 0.3.0 and the following 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.

## Known Issues

Summarizes known issues for this release.

### JDK 8u242 and newer versions cause Site-to-Site failure

When you use JDK 8u242 or a newer version, the RAW transport protocol in Site-to-Site fails with the following exception:

```
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(ServerSocketAdaptor.java:121)
at org.apache.nifi.remote.SocketRemoteSiteListener$1.run(SocketRemoteSiteListener.java:125)
at java.base/java.lang.Thread.run(Thread.java:834)
```

Workarounds: Choose one of the following options before upgrading to JDK 8u242 or a newer JDK version:

- Upgrade to CFM 1.1 or a newer CFM 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.

If neither of these options work for you, contact [Cloudera Support](#) for other options.

#### Certain JDK versions may cause socket issues in NiFi

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.

## Fixed Issues

Summary of fixed issues for this release.

- NIFI-6215
- NIFI-6236
- NIFI-6097
- NIFI-6183
- NIFI-6285
- NIFI-6302
- NIFI-6316
- NIFI-6253
- NIFI-6253
- NIFI-6341
- CFM-135

## Software Download Locations

Use the following tables to identify the Cloudera Flow Management (CFM) repository location for your operating system and operational objectives.

**Table 1: CentOS 7**

File	Location
Repository	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0</a>
Parcel	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-el7.parcel">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-el7.parcel</a>
Sha File	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-el7.parcel.sha">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-el7.parcel.sha</a>

**Table 2: SLES 12**

File	Location
Repository	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0</a>
Parcel	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-sles12.parcel">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-sles12.parcel</a>
Sha File	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-sles12.parcel.sha">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-sles12.parcel.sha</a>

**Table 3: Ubuntu 14**

File	Location
Repository	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0</a>
Parcel	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-trusty.parcel">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-trusty.parcel</a>
Sha File	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-trusty.parcel.sha">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-trusty.parcel.sha</a>

**Table 4: Ubuntu 16**

File	Location
Repository	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0</a>
Parcel	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-xenial.parcel">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-xenial.parcel</a>
Sha File	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-xenial.parcel.sha">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-xenial.parcel.sha</a>

**Table 5: CSD & Manifest Files**

File	Location
Manifest	<a href="https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/manifest.json">https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/manifest.json</a>
NiFi CSD File	<a href="https://archive.cloudera.com/p/CFM/csd/1.0.1.0/NIFI-1.9.0.1.0.1.0-12.jar">https://archive.cloudera.com/p/CFM/csd/1.0.1.0/NIFI-1.9.0.1.0.1.0-12.jar</a>
NiFi Toolkit CSD File	<a href="https://archive.cloudera.com/p/CFM/csd/1.0.1.0/NIFICA-1.9.0.1.0.1.0-12.jar">https://archive.cloudera.com/p/CFM/csd/1.0.1.0/NIFICA-1.9.0.1.0.1.0-12.jar</a>
NiFi Registry CSD	<a href="https://archive.cloudera.com/p/CFM/csd/1.0.1.0/NIFIREGISTRY-0.3.0.1.0.1.0-12.jar">https://archive.cloudera.com/p/CFM/csd/1.0.1.0/NIFIREGISTRY-0.3.0.1.0.1.0-12.jar</a>