Cloudera Flow Management 1.0.1

Cloudera Flow Management Release Notes

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CLOUDERA

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Contents

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
- ISPEnrichIP
- 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 apprent 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.apach
e.nifi.NiFi
java.nio.channels.IllegalBlockingModeException: null
at java.base/sun.nio.ch.ServerSocketAdaptor.accept(ServerSock
etAdaptor.java:121)
at org.apache.nifi.remote.SocketRemoteSiteListener$1.run(Socket
RemoteSiteListener.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	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0
Parcel	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-el7.parcel
Sha File	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-el7.parcel.sha

Table 2: SLES 12

File	Location
Repository	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0
Parcel	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-sles12.parcel
Sha File	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-sles12.parcel.sha

Table 3: Ubuntu 14

File	Location
Repository	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0
Parcel	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-trusty.parcel
Sha File	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-trusty.parcel.sha

Table 4: Ubuntu 16

File	Location
Repository	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0
Parcel	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-xenial.parcel
Sha File	https://archive.cloudera.com/p/CFM/parcels/1.0.1.0/CFM-1.0.1.0-xenial.parcel.sha

Table 5: CSD & Manifest Files

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