

Cloudera Flow Management 2.0.4

Support Matrix

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CLOUDERA

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Review System Requirements

Before getting started with the Cloudera Flow Management (CFM) installation, it is helpful to review the system requirements.

System requirements for deployments on CDP Private Cloud Base

- Supported JDKs:
 - Oracle JDK 1.8
 - OpenJDK 1.8
 - OpenJDK 11
 - Azul Zulu JDK 1.8
 - Azul Zulu JDK 11

**Note:**

JDK limitations and requirements:

- Azul Zulu JDK 1.8 and 11 are only supported when NiFi is installed as a standalone component, not managed by Cloudera Manager, and not part of a CDP cluster.
 - If you are using JDK 11, Java 11.0.8 or later is required.
 - If you are using Java 8, do not use JDK 8u271. JDK 8u271 may cause socket leak issues in NiFi due to JDK-8245417.
- ZooKeeper – You must install the ZooKeeper service available with your CDP Private Cloud Base cluster.
 - CFM supports CDP Private Cloud Base versions:
 - 7.1.1
 - 7.1.2
 - 7.1.3
 - 7.1.4
 - 7.1.5
 - 7.1.6
 - 7.1.7
 - 7.1.7 SP1

**Note:**

CDP 7.1.5, 7.1.6, 7.1.7, and 7.1.7 SP1 are supported provided you have met the following two conditions:

- You have not enabled FIPS on your CDP Private Cloud Base cluster.
- You are installing CFM 2.0.4 on CentOS/RHEL.

Related Information

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[Supported databases](#)

[Supported NiFi Processors](#)

[Supported NiFi Controller Services](#)

[Supported NiFi Reporting Tasks](#)

Supported operating systems

CFM supports the following operating systems.

Operating system	Versions
CentOS/RHEL	<ul style="list-style-type: none"> 7.2 7.3 7.4 7.5 7.6 7.7 7.8
SLES	<ul style="list-style-type: none"> 12
Ubuntu	<ul style="list-style-type: none"> 18
Windows	<ul style="list-style-type: none"> 10 Server 2016 Server 2019 <p> Note: NiFi on Windows is only supported in a standalone mode, not managed by Cloudera Manager or as part of a CDP cluster, and as a single instance installation. Clustering NiFi on Windows is not supported.</p> <p>NiFi Registry is not on supported on Windows</p>

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Supported databases

The following databases are supported by NiFi Registry.

- H2
- PostgreSQL 9.x
- PostgreSQL 10.x
- PostgreSQL 11.x
- MySQL 5.6
- MySQL 5.7
- MySQL 8

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Supported NiFi Processors

Learn about the NiFi Processors supported by Cloudera Support.

Additional Processors are developed and tested by the Cloudera community but are not officially supported by Cloudera. Processors 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.

Supported processors

- AttributesToCSV
- AttributesToJSON
- Base64EncodeContent
- CalculateRecordStats
- CaptureChangeMySQL
- CompressContent
- ConnectWebSocket
- ConsumeAMQP
- ConsumeAzureEventHub
- ConsumeEWS
- ConsumeGCPubSub
- ConsumeJMS
- ConsumeKafka
- ConsumeKafka_0_10
- ConsumeKafka_1_0
- ConsumeKafka_2_0
- ConsumeKafkaRecord_0_10
- ConsumeKafkaRecord_1_0
- ConsumeKafkaRecord_2_0
- ConsumeMQTT
- ConsumeWindowsEventLog
- ControlRate
- ConvertAvroSchema
- ConvertAvroToJSON
- ConvertAvroToORC
- ConvertAvroToParquet
- ConvertCharacterSet
- ConvertCSVToAvro
- ConvertJSONToAvro
- ConvertJSONToSQL
- ConvertRecord
- CreateHadoopSequenceFile
- CryptographicHashAttribute
- CryptographicHashContent
- DeleteAzureBlobStorage
- DeleteAzureDataLakeStorage
- DeleteByQueryElasticsearch
- DeleteDynamoDB
- DeleteElasticsearch5
- DeleteGCSObject
- DeleteGridFS
- DeleteHBaseCells
- DeleteHBaseRow
- GeoEnrichIPRecord
- GetAzureEventHub
- GetAzureQueueStorage
- GetCouchbaseKey
- GetFile
- GetFTP
- GetHBase
- GetHDFS
- GetHDFSFileInfo
- GetHDFSSequenceFile
- GetHTMLElement
- GetHTTP
- GetIgniteCache
- GetJMSQueue
- GetJMSTopic
- GetKafka
- GetMongoRecord
- GetSFTP
- GetSolr
- GetSplunk
- GetSQS
- GetTCP
- GetTwitter
- HandleHttpRequest
- HandleHttpResponse
- HashAttribute
- HashContent
- IdentifyMimeType
- InvokeAWSGatewayApi
- InvokeHTTP
- InvokeScriptedProcessor
- JoltTransformJSON
- JoltTransformRecord
- JsonQueryElasticsearch
- ListAzureBlobStorage
- ListDatabaseTables
- ListenHTTP
- ListenREL
- ListenSyslog
- ListenTCP
- ListenTCPRecord
- ListenUDP
- ListenUDPRecord
- PutDistributedMapCache
- PutDruidRecord
- PutDynamoDB
- PutElasticsearch
- PutElasticsearch5
- PutElasticsearchHttp
- PutElasticsearchHttpRecord
- PutElasticsearchRecord
- PutEmail
- PutFile
- PutFTP
- PutGCSObject
- PutGridFS
- PutHBaseCell
- PutHBaseJSON
- PutHBaseRecord
- PutHDFS
- PutHive3QL
- PutHive3Streaming
- PutHiveQL
- PutHiveStreaming
- PutHTMLElement
- PutInfluxDB
- PutJMS
- PutKafka
- PutKinesisFirehose
- PutKinesisStream
- PutKudu
- PutLambda
- PutMongoRecord
- PutORC
- PutParquet
- PutRecord
- PutRiemann
- PutS3Object
- PutSFTP
- PutSNS
- PutSolrContentStream
- PutSolrRecord
- PutSplunk
- PutSQL
- PutSQS
- PutSyslog

- DeleteHDFS
- DeleteS3Object
- DeleteSQS
- DetectDuplicate
- DistributeLoad
- DuplicateFlowFile
- EncryptContent
- EnforceOrder
- EvaluateJsonPath
- EvaluateXPath
- EvaluateXQuery
- ExecuteGroovyScript
- ExecuteInfluxDBQuery
- ExecuteProcess
- ExecuteScript
- ExecuteSQL
- ExecuteSQLRecord
- ExecuteStreamCommand
- ExtractAvroMetadata
- ExtractGrok
- ExtractHL7Attributes
- ExtractImageMetadata
- ExtractText
- FetchAzureBlobStorage
- FetchDistributedMapCache
- FetchElasticsearch
- FetchElasticsearch5
- FetchElasticsearchHttp
- FetchFile
- FetchFTP
- FetchGCSObject
- FetchGridFS
- FetchHBaseRow
- FetchHDFS
- FetchParquet
- FetchS3Object
- FetchSFTP
- FlattenJson
- ForkRecord
- GenerateFlowFile
- GenerateTableFetch
- GeoEnrichIP
- ListenWebSocket
- ListFile
- ListFTP
- ListGCSBucket
- ListHDFS
- ListS3
- ListSFTP
- LogAttribute
- LogMessage
- LookupAttribute
- LookupRecord
- MergeContent
- MergeRecord
- ModifyHTMLElement
- MonitorActivity
- Notify
- ParseCEF
- ParseEvtx
- ParseSyslog
- PartitionRecord
- PostHTTP
- PublishAMQP
- PublishGCPubSub
- PublishJMS
- PublishKafka
- PublishKafka_0_10
- PublishKafka_1_0
- PublishKafka_2_0
- PublishKafkaRecord_0_10
- PublishKafkaRecord_1_0
- PublishKafkaRecord_2_0
- PublishMQTT
- PutAzureBlobStorage
- PutAzureDataLakeStorage
- PutAzureEventHub
- PutAzureQueueStorage
- PutBigQueryBatch
- PutBigQueryStreaming
- PutCassandraQL
- PutCloudWatchMetric
- PutCouchbaseKey
- PutDatabaseRecord
- PutTCP
- PutUDP
- PutWebSocket
- QueryCassandra
- QueryDatabaseTable
- QueryDatabaseTableRecord
- QueryElasticsearchHttp
- QueryRecord
- QuerySolr
- QueryWhois
- ReplaceText
- ReplaceTextWithMapping
- ResizeImage
- RetryFlowFile
- RouteHL7
- RouteOnAttribute
- RouteOnContent
- RouteText
- ScanAttribute
- ScanContent
- ScanHBase
- ScrollElasticsearchHttp
- SegmentContent
- SelectHive3QL
- SelectHiveQL
- SplitAvro
- SplitContent
- SplitJson
- SplitRecord
- SplitText
- SplitXml
- TagS3Object
- TailFile
- TransformXml
- UnpackContent
- UpdateAttribute
- UpdateCounter
- UpdateRecord
- ValidateCsv
- ValidateRecord
- ValidateXml
- Wait
- YandexTranslate

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Supported NiFi Controller Services

Learn about the NiFi Controller Services supported by Cloudera Support.

Additional Controller Services are developed and tested by the Cloudera community but are not officially supported by Cloudera. Controller Services 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.

- AvroReader
- AvroRecordSetWriter
- AvroSchemaRegistry
- AWSCredentialsProviderControllerService
- AzureStorageCredentialsControllerService
- AzureStorageCredentialsControllerService
- CassandraSessionProvider
- CouchbaseClusterService
- CouchbaseKeyValueLookupService
- CouchbaseMapCacheClient
- CouchbaseRecordLookupService
- CSVReader
- CSVRecordLookupService
- CSVRecordSetWriter
- DatabaseRecordLookupService
- DatabaseRecordSink
- DBCPConnectionPool
- DBCPConnectionPoolLookup
- DistributedMapCacheClientService
- DistributedMapCacheLookupService
- DistributedMapCacheServer
- DistributedSetCacheClientService
- DistributedSetCacheServer
- DruidTranquilityController
- ElasticSearchClientServiceImpl
- ElasticSearchLookupService
- ElasticSearchStringLookupService
- FreeFormTextRecordSetWriter
- GCPCredentialsControllerService
- GoogleCredentialsControllerService
- HBaseLookup_1_ClientMapCacheService
- HBaseLookup_2_ClientMapCacheService
- HBase_1_1_2_ClientService
- HBase_1_1_2_ListLookupService
- HBase_1_1_2_RecordLookupService
- HBase_2_ClientMapCacheService
- HBase_2_ClientService
- HBase_2_RecordLookupService
- Hive3ConnectionPool
- HiveConnectionPool
- HortonworksSchemaRegistry
- JMSConnectionFactoryProvider
- JndiJmsConnectionFactoryProvider
- JsonPathReader
- JsonRecordSetWriter
- JsonTreeReader
- KafkaRecordSink_1_0
- KafkaRecordSink_2_0
- KeytabCredentialsService
- KuduLookupService
- ParquetReader
- ParquetRecordSetWriter
- PrometheusRecordSink
- RedisConnectionPoolService
- RedisDistributedMapCacheClientService
- RestLookupService
- ScriptedLookupService
- ScriptedReader
- ScriptedRecordSetWriter
- ScriptedRecordSink
- SimpleDatabaseLookupService
- SimpleKeyValueLookupService
- SimpleScriptedLookupService
- SiteToSiteReportingRecordSink
- StandardHttpContextMap
- StandardProxyConfigurationService
- StandardRestrictedSSLContextService
- StandardS3EncryptionService
- StandardSSLContextService
- Syslog5424Reader
- SyslogReader
- VolatileSchemaCache
- XMLReader
- XMLRecordSetWriter

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Supported NiFi Reporting Tasks

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- `AmbariReportingTask`
- `ControllerStatusReportingTask`
- `MetricsEventReportingTask`
- `MonitorDiskUsage`
- `MonitorMemory`
- `PrometheusReportingTask`
- `QueryNiFiReportingTask`
- `ReportLineageToAtlas`
- `ScriptedReportingTask`
- `SiteToSiteBulletinReportingTask`
- `SiteToSiteMetricsReportingTask`
- `SiteToSiteProvenanceReportingTask`
- `SiteToSiteStatusReportingTask`

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