Cloudera Data Flow

Support Matrix

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CLOUDERA

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Contents

Apache NiFi endpoints

Learn about the Apache NiFi processors, controller services, and reporting tasks supported by Cloudera that you can use with this release of Cloudera Flow Management Operator for Kubernetes.

Supported NiFi processors

Learn about the NiFi processors supported by Cloudera that you can use with Cloudera Flow Management Operator for Kubernetes.

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 processors in your production environments.

NiFi 1.28.1

AccumuloRecord	LookupAttribute
Aggregation	LookupRecord
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AsanaObject	MergeContent
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AzureEventHub	MongoBulkOperations
AzureQueueStorage_v12	MongoRecord
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QuerySalesforceObject
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ExtractGrok

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ExtractImageMetadata

ExtractMediaMetadata

ExtractRecordSchema

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FetchBoxFileRepresentation

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FetchDistributedMapCache

FetchDropbox

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GetAwsTextractJobStatus

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SplitContent

SplitExcel

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StartAwsTranslateJob

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GetBoxGroupMembers

GetCouchbaseKey

GetDynamoDB

GetElasticsearch

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GetFileResource

GetGcpVisionAnnotateFilesOperationStatus

GetGcpVisionAnnotateImagesOperationStatus

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GetHDFSFileInfo

GetHDFSSequenceFile

GetHubSpot

GetJiraIssue

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UpdateJiraIssue

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ValidateRecord

ValidateXml

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VerifyContentPGP

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InvokeHTTP
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JSLTTransformJSON
JiraIssue
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KinesisFirehose
KinesisStream
Kudu
Lambda
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ListAzureDataLakeStorage
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ListBoxFileInfo
ListBoxFileMetadataInstances
ListBoxFileMetadataTemplates
ListCDPObjectStore
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ListDropbox
ListFTP
ListFile
ListGCSBucket
ListGoogleDrive
ListHBaseRegions
ListHDFS
ListSFTP
ListS3
ListSmb
ListenBeats
ListenFTP
ListenGRPC
ListenHTTP
ListenNetFlow
ListenOTLP
ListenSlack
ListenSyslog
ListenTCP
ListenTrapSNMP
ListenUDP

ListenUDPRecord
ListenWebSocket
LogAttribute
LogMessage

NiFi 2.4.0

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CalculateRecordStats	ParquetRowGroupOffsets
CaptureChangeDebeziumDB2[1]	ParseEvtx
CaptureChangeDebeziumMongoDB[1]	ParseNetflowv5
CaptureChangeDebeziumMySQL[1]	ParseSyslog
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CaptureChangeDebeziumPostgreSQL[1]	PartitionRecord
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CaptureChangeMySQL	Process
Cassandra	PublishAMQP
CassandraQL	PublishGCPubSub
CassandraRecord	PublishJMS
CDPObjectStore	PublishKafka
ChangeDebeziumDB2	PublishKafka2CDP
ChangeDebeziumMongoDB	PublishKafka2RecordCDP
ChangeDebeziumMySQL	PublishKafkaRecord_2_6
	PublishKafka_2_6

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[1] Technical Preview

ChangeDebeziumOracle

ChangeDebeziumPostgreSQL

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CloudWatchMetric

CompressContent

Compression

ConnectWebSocket

ConsumeAMQP

ConsumeAzureEventHub

ConsumeBoxEvents

ConsumeBoxEnterpriseEvents

ConsumeElasticsearch

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ConvertAvroToParquet

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PutDistributedMapCache

PutDropbox

PutDynamoDB

PutDynamoDBRecord

PutElasticsearchJson

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PutParquet

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PutRecord

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DeleteDynamoDB	PutSalesforceObject
DeleteFile	PutSmbFile
DeleteGCSObject	PutSnowflakeInternalStage
DeleteGridFS	PutSplunk
DeleteHBaseCells	PutSplunkHTTP
DeleteHBaseRow	PutSyslog
DeleteHDFS	PutTCP
DeleteMongo	PutUDP
DeleteSFTP	PutWebSocket
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DeleteSQS	QueryAirtableTable
DeltaLakeTable	QueryAzureDataExplorer
DetectDuplicate	QueryCassandra
DistributeLoad	QueryDatabaseTable
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Dropbox	QueryIoTDBRecord
DuplicateFlowFile	QueryRecord
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ListHBaseRegions
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ListS3
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ListenGRPC
ListenHTTP
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ListenOTLP
ListenSlack
ListenSyslog
ListenTCP
ListenTrapSNMP
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ListenUDPRecord
ListenWebSocket
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LogMessage

Python processors [Technical Preview]

ChunkData	PromptAzureOpenAI
ChunkDocument	PromptBedrock
EmbedData	PromptChatGPT
InsertToMilvus	PromptClaude
LexicalQueryMilvus	PromptOpenAI
ParseDocument	PutChroma
PartitionCsv	PutOpenSearchVector
PartitionDocx	PutPinecone
PartitionHtml	PutQdrant
PartitionPdf	QueryChroma
PartitionText	QueryOpenSearchVector
	QueryPinecone
	QueryQdrant
	TokenCount
	VectorQueryMilvus

Supported NiFi controller services

Learn about the Apache NiFi controller services supported by Cloudera that you can use with Cloudera Flow Management Operator for Kubernetes.

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NiFi 1.28.1

ActiveMQJMSConnectionFactoryProvider	KafkaRecordSink_2_6
ADLSCredentialsControllerService	KerberosPasswordUserService
ADLSCredentialsControllerServiceLookup	KerberosTicketCacheUserService
ADLSIDBrokerCloudCredentialsProviderControllerService	KuduLookupService
AMQP	KustoIngestService
AWSIDBrokerCloudCredentialsProviderControllerService	KustoQueryService
AWSCredentialsProviderControllerService	LivySessionController
AmazonGlueSchemaRegistry	LoggingRecordSink
AmazonMSKConnectionService	Lookup
ApicurioSchemaRegistry	MapCacheClientService
AttributeSchemaReferenceReader	MapCacheServer
AvroReader	MongoDBControllerService
AvroRecordSetWriter	MongoDBLookupService
AzureBlobIDBrokerCloudCredentialsProviderControllerService	OAuth2AccessTokenProvider
AzureBlobStorageFileResourceService	ORC
AzureCosmosDBClientService	ParquetRecordSetWriter
AzureEventHubRecordSink	PEMEncodedSSLContextProvider
AzureServiceBusJMSConnectionFactoryProvider	PGPPublicKeyService
AzureStorageCredentialsControllerService	PhoenixThickConnectionPool
AzureStorageCredentialsControllerServiceLookup_v12	PhoenixThinConnectionPool

AzureStorageCredentialsControllerService_v12
BoxClientService
CSVRecordLookupService
CEFReader
CMLLookupService
CdpCredentialsProviderControllerService
CdpOauth2AccessTokenProviderControllerService
ClouderaAttributeSchemaReferenceReader
ClouderaEncodedSchemaReferenceReader
ClouderaEncodedSchemaReferenceWriter
ClouderaHiveConnectionPool
ClouderaHiveConnectionPoolLookup
ConfluentEncodedSchemaReferenceWriter
ConfluentSchemaRegistry
ConnectionPool
Controller
CouchbaseClusterService
CouchbaseKeyValueLookupService
CouchbaseMapCacheClient
CSVRecordSetWriter
DBCPConnectionPoolLookup
DatabaseRecordLookupService
DatabaseRecordSink
DatabaseTableSchemaRegistry
DeveloperBoxClientService
DistributedMapCache
DistributedMapCacheClientService
EmailRecordSink
EmbeddedHazelcastCacheManager
ElasticSearchClientServiceImpl
ElasticSearchStringLookupService
EncodedSchemaReferenceReader
EncodedSchemaReferenceWriter
ExternalHazelcastCacheManager
FileResourceService
FreeFormTextRecordSetWriter
GCPCredentialsControllerService
GCSFileResourceService
GRPC
GrokReader
HBase_2_ClientMapCacheService
HBase_2_ClientService
HBase_2_RecordLookupService
HadoopCatalogService
HadoopDBCPConnectionPool
HazelcastCacheManager
HikariCPConnectionPool
HiveCatalogService
HttpContextMap
HttpRecordSink

PLC4XConnectionPool
PropertiesFileLookupService
ProtobufReader
ProxyPLC4XConnectionPool
RabbitMQJMSConnectionFactoryProvider
Reader
ReaderLookup
RecordSink
RecordSinkServiceLookup
RecordSetWriterLookup
RedshiftConnectionPool
RedisConnectionPoolService
RedisDistributedMapCacheClientService
RESTCatalogService
RestLookupService
SSLContextService
ScriptedLookupService
ScriptedReader
ScriptedRecordSink
ScriptedRecordSetWriter
SetCacheClientService
SimpleDatabaseLookupService
SimpleKeyValueLookupService
SimpleScriptedLookupService
SimpleRedisDistributedMapCacheClientService
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SmbjClientProviderService
SnowflakeComputingConnectionPool
SnowflakeIngestManagerProviderService
StandardAsanaClientProviderService
StandardAzureCredentialsControllerService
StandardDropboxCredentialService
StandardFileResourceService
StandardHashiCorpVaultClientService
StandardJiraCredentialService
StandardJsonSchemaRegistry[2]
StandardKustoIngestService
StandardKustoQueryService
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StandardPGPPublicKeyService
StandardPLC4XConnectionPool
StandardPrivateKeyService
StandardProxyConfigurationService
StandardRestrictedSSLContextService
StandardSSLContextService
StandardSnowflakeIngestManagerProviderService
StandardWebClientServiceProvider
Syslog5424Reader
SyslogReader

IPFIXReader
IPLookupService
ImpalaConnectionPool
JASN1Reader
JWTBearerOAuth2AccessTokenProvider
JdbcCatalogService
JettyWebSocketServer
JiraCredentialService
JiraRecordSink
JmsConnectionFactoryProvider
JndiJmsConnectionFactoryProvider
JsonConfigBasedBoxClientService
JsonPathReader
JsonRecordSetWriter
JsonSchemaRegistry
JsonTreeReader

TinkerpopClientService
VolatileSchemaCache
WebClientServiceProvider
WebSocketServer
WindowsEventLogReader
XMLReader
XMLRecordSetWriter
YamlTreeReader
ZendeskRecordSink

NiFi 2.4

ActiveMQJMSConnectionFactoryProvider
ADLSCredentialsControllerService
ADLSCredentialsControllerServiceLookup
ADLSIDBrokerCloudCredentialsProviderControllerService
AMQP
AWSIDBrokerCloudCredentialsProviderControllerService
AWSCredentialsProviderControllerService
AmazonGlueSchemaRegistry
AmazonMSKConnectionService
ApicurioSchemaRegistry
AttributeSchemaReferenceReader
AvroReader
AvroRecordSetWriter
AzureBlobIDBrokerCloudCredentialsProviderControllerService
AzureBlobStorageFileResourceService
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AzureStorageCredentialsControllerService_v12
BoxClientService
CSVRecordLookupService
CEFReader
CMLLookupService
CdpCredentialsProviderControllerService
CdpOauth2AccessTokenProviderControllerService
ClouderaAttributeSchemaReferenceReader

KafkaRecordSink_2_6
KerberosPasswordUserService
KerberosTicketCacheUserService
KuduLookupService
KustoIngestService
KustoQueryService
LivySessionController
LoggingRecordSink
Lookup
MapCacheClientService
MapCacheServer
MongoDBControllerService
MongoDBLookupService
OAuth2AccessTokenProvider
ORC
ParquetRecordSetWriter
PEMEncodedSSLContextProvider
PGPPublicKeyService
PhoenixThickConnectionPool
PhoenixThinConnectionPool
PLC4XConnectionPool[2]
PropertiesFileLookupService
ProtobufReader
ProxyPLC4XConnectionPool
RabbitMQJMSConnectionFactoryProvider
Reader
ReaderLookup
RecordSink

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[2] Technical Preview

ClouderaEncodedSchemaReferenceReader
ClouderaEncodedSchemaReferenceWriter
ClouderaHiveConnectionPool
ClouderaHiveConnectionPoolLookup
ConfluentEncodedSchemaReferenceWriter
ConfluentSchemaRegistry
ConnectionPool
Controller
CouchbaseClusterService
CouchbaseKeyValueLookupService
CouchbaseMapCacheClient
CSVRecordSetWriter
DBCPConnectionPoolLookup
DatabaseRecordLookupService
DatabaseRecordSink
DatabaseTableSchemaRegistry
DeveloperBoxClientService
DistributedMapCache
DistributedMapCacheClientService
EmailRecordSink
EmbeddedHazelcastCacheManager
ElasticSearchClientServiceImpl
ElasticSearchStringLookupService
EncodedSchemaReferenceReader
EncodedSchemaReferenceWriter
ExternalHazelcastCacheManager
FileResourceService
FreeFormTextRecordSetWriter
GCPCredentialsControllerService
GCSFileResourceService
GRPC
GrokReader
HBase_2_ClientMapCacheService
HBase_2_ClientService
HBase_2_RecordLookupService
HadoopCatalogService
HadoopDBCPConnectionPool
HazelcastCacheManager
HikariCPConnectionPool
HiveCatalogService
HttpContextMap
HttpRecordSink
IPFIXReader
IPLookupService
ImpalaConnectionPool
JASN1Reader
JWTBearerOAuth2AccessTokenProvider
JdbcCatalogService
JettyWebSocketServer
JiraCredentialService

RecordSinkServiceLookup
RecordSetWriterLookup
RedshiftConnectionPool
RedisConnectionPoolService
RedisDistributedMapCacheClientService
RESTCatalogService
RestLookupService
SSLContextService
ScriptedLookupService
ScriptedReader
ScriptedRecordSink
ScriptedRecordSetWriter
SetCacheClientService
SimpleDatabaseLookupService
SimpleKeyValueLookupService
SimpleScriptedLookupService
SimpleRedisDistributedMapCacheClientService
SiteToSiteReportingRecordSink
SlackRecordSink
SmbjClientProviderService
SnowflakeComputingConnectionPool
SnowflakeIngestManagerProviderService
StandardAsanaClientProviderService
StandardAzureCredentialsControllerService
StandardDropboxCredentialService
StandardFileResourceService
StandardHashiCorpVaultClientService
StandardJiraCredentialService
StandardJsonSchemaRegistry[2]
StandardKustoIngestService
StandardKustoQueryService
StandardOauth2AccessTokenProvider
StandardPGPPublicKeyService
StandardPLC4XConnectionPool[2]
StandardPrivateKeyService
StandardProxyConfigurationService
StandardRestrictedSSLContextService
StandardSSLContextService
StandardSnowflakeIngestManagerProviderService
StandardWebClientServiceProvider
Syslog5424Reader
SyslogReader
TinkerpopClientService
VolatileSchemaCache
WebClientServiceProvider
WebSocketServer
WindowsEventLogReader
XMLReader
XMLRecordSetWriter

JiraRecordSink
JmsConnectionFactoryProvider
JndiJmsConnectionFactoryProvider
JsonConfigBasedBoxClientService
JsonPathReader
JsonRecordSetWriter
JsonSchemaRegistry
JsonTreeReader

YamlTreeReader
ZendeskRecordSink

Supported NiFi reporting tasks

Learn about the Apache NiFi reporting tasks supported by Cloudera that you can use with Cloudera Flow Management Operator for Kubernetes.

Additional reporting tasks are developed and tested by the Cloudera community but are not officially supported by Cloudera. Reporting tasks 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 reporting tasks in your production environments.

NiFi 1.28

AmbariReportingTask
AzureLogAnalyticsProvenanceReportingTask
AzureLogAnalyticsReportingTask
ControllerStatusReportingTask
DataDogReportingTask
MetricsEventReportingTask
MetricsReportingTask
MonitorDiskUsage
MonitorMemory

PrometheusReportingTask
QueryNiFiReportingTask
ReportLineageToAtlas
ScriptedReportingTask
SiteToSiteBulletinReportingTask
SiteToSiteMetricsReportingTask
SiteToSiteProvenanceReportingTask
SiteToSiteStatusReportingTask
StandardGangliaReporter

NiFi 2.4

AzureLogAnalyticsProvenanceReportingTask
AzureLogAnalyticsReportingTask
ControllerStatusReportingTask
MonitorDiskUsage
MonitorMemory
QueryNiFiReportingTask

ReportLineageToAtlas
ScriptedReportingTask
SiteToSiteBulletinReportingTask
SiteToSiteMetricsReportingTask
SiteToSiteProvenanceReportingTask
SiteToSiteStatusReportingTask