

Support Matrix

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Apache NiFi endpoints

Learn about the Apache NiFi processors, controller services, and reporting tasks supported by Cloudera that you can use with Cloudera DataFlow.

Supported NiFi processors

Learn about the NiFi processors supported by Cloudera that you can use with Cloudera DataFlow.

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.

NiFi 1.27

AttributesToJSON	ListenSMTP
Base64EncodeContent	ListenSyslog
CalculateParquetOffsets	ListenTCP
CalculateParquetRowGroupOffsets	ListenTCPRecord
CalculateRecordStats	ListenTrapSNMP
CaptureChangeDebeziumDB21	ListenUDP
CaptureChangeDebeziumMySQL1	ListenUDPRecord
CaptureChangeDebeziumOracle1	ListenWebsocket
CaptureChangeDebeziumPostgreSQL1	ListFile
CaptureChangeDebeziumSQLServer1	ListFTP
CaptureChangeMySQL	ListGCSBucket
CompareFuzzyHash	ListGoogleDrive
CompressContent	ListHDFS
ConnectWebsocket	ListS3
ConsumeAMQP	ListSFTP
ConsumeAzureEventHub	ListSmb
ConsumeElasticsearch	LogAttribute
ConsumeEWS	LogMessage
ConsumeGCPubSub	LookupAttribute
ConsumeGCPubSubLite	LookupRecord
ConsumeIMAP	MergeContent
ConsumeJMS	MergeRecord
ConsumeKafka_2_6	ModifyBytes
ConsumeKafka2CDP	ModifyCompression
ConsumeKafka2RecordCDP	ModifyHTMLElement
ConsumeKafkaRecord_2_6	MonitorActivity
ConsumeKinesisStream	MoveAzureDataLakeStorage
ConsumeMQTT	MoveHDFS
ConsumePOP3	Notify
ConsumeTwitter	PackageFlowFile
ConsumeWindowsEventLog	PaginatedJsonQueryElasticsearch
ControlRate	ParseCEF

ConvertAvroToJSON
 ConvertAvroToParquet
 ConvertCharacterSet
 ConvertExcelToCSVProcessor
 ConvertJSONToSQL
 ConvertProtobuf
 ConvertRecord
 CountText
 CreateHadoopSequenceFile
 CryptographicHashAttribute
 CryptographicHashContent
 DebugFlow
 DecryptContent
 DecryptContentAge
 DecryptContentCompatibility
 DecryptContentPGP
 DeduplicateRecord
 DeleteAzureBlobStorage
 DeleteAzureBlobStorage_v12
 DeleteAzureDataLakeStorage
 DeleteByQueryElasticsearch
 DeleteCDPObjectStore
 DeleteDynamoDB
 DeleteGCSObject
 DeleteGridFS
 DeleteHBaseCells
 DeleteHBaseRow
 DeleteHDFS
 DeleteMongo
 DeleteRethinkDB
 DeleteS3Object
 DeleteSQS
 DetectDuplicate
 DistributeLoad
 DuplicateFlowFile
 EncodeContent
 EncryptContent
 EncryptContentAge
 EncryptContentPGP
 EnforceOrder
 EvaluateJsonPath
 EvaluateXPath
 EvaluateXQuery
 ExecuteGraphQuery
 ExecuteGraphQueryRecord
 ExecuteGroovyScript
 ExecuteInfluxDBQuery
 ExecuteProcess
 ExecuteScript
 ExecuteSparkInteractive

ParseEvtx
 ParseNetflowv5
 ParseSyslog
 ParseSyslog5424
 PartitionRecord
 PostHTTP
 PostSlack
 PublishAMQP
 PublishGCPubSub
 PublishGCPubSubLite
 PublishJMS
 PublishKafka_2_6
 PublishKafka2CDP
 PublishKafka2RecordCDP
 PublishKafkaRecord_2_6
 PublishMQTT
 PublishSlack
 PutAccumuloRecord
 PutAzureBlobStorage
 PutAzureBlobStorage_v12
 PutAzureCosmosDBRecord
 PutAzureDataLakeStorage
 PutAzureEventHub
 PutAzureQueueStorage
 PutAzureQueueStorage_v12
 PutBigQuery
 PutBigQueryBatch
 PutBigQueryStreaming
 PutBoxFile
 PutCassandraQL
 PutCassandraRecord
 PutCDPObjectStore
 PutClouderaHiveQL
 PutClouderaHiveStreaming
 PutClouderaORC
 PutCloudWatchMetric
 PutCouchbaseKey
 PutDatabaseRecord
 PutDistributedMapCache
 PutDropbox
 PutDynamoDB
 PutDynamoDBRecord
 PutElasticsearchHttp
 PutElasticsearchHttpRecord
 PutElasticsearchJson
 PutElasticsearchRecord
 PutEmail
 PutFile
 PutFTP
 PutGCSObject

ExecuteSQL
 ExecuteSQLRecord
 ExecuteStateless
 ExecuteStreamCommand
 ExtractAvroMetadata
 ExtractCCDAAttributes
 ExtractDocumentText
 ExtractEmailAttachments
 ExtractEmailHeaders
 ExtractGrok
 ExtractHL7Attributes
 ExtractImageMetadata
 ExtractMediaMetadata
 ExtractRecordSchema
 ExtractText
 ExtractTNEFAttachments
 FetchAzureBlobStorage
 FetchAzureBlobStorage_v12
 FetchAzureDataLakeStorage
 FetchBoxFile
 FetchCDPObjectStore
 FetchDistributedMapCache
 FetchDropbox
 FetchElasticsearchHttp
 FetchFile
 FetchFTP
 FetchGCSObject
 FetchGoogleDrive
 FetchGridFS
 FetchHBaseRow
 FetchHDFS
 FetchParquet
 FetchS3Object
 FetchSFTP
 FetchSmb
 FilterAttribute
 FlattenJson
 ForkEnrichment
 ForkRecord
 FuzzyHashContent
 GenerateFlowFile
 GenerateRecord
 GenerateTableFetch
 GeoEnrichIP
 GeoEnrichIPRecord
 GeohashRecord
 GetAsanaObject
 GetAwsPollyJobStatus
 GetAwsTextractJobStatus
 GetAwsTranscribeJobStatus

PutGoogleDrive
 PutGridFS
 PutHBaseCell
 PutHBaseJSON
 PutHBaseRecord
 PutHDFS
 PutHive3QL
 PutHive3Streaming
 PutHTMLElement
 PutIceberg
 PutIcebergCDC1
 PutInfluxDB
 PutIoTDBRecord
 PutJiraIssue
 PutJMS
 PutKinesisFirehose
 PutKinesisStream
 PutKudu
 PutLambda
 PutMongo
 PutMongoRecord
 PutORC
 PutParquet
 PutRecord
 PutRethinkDB
 PutS3Object
 PutSalesforceObject
 PutSFTP
 PutSlack
 PutSmbFile
 PutSnowflakeInternalStage
 PutSNS
 PutSolrContentStream
 PutSolrRecord
 PutSplunk
 PutSplunkHTTP
 PutSQL
 PutSQS
 PutSyslog
 PutTCP
 PutUDP
 PutWebSocket
 PutZendeskTicket
 QueryAirtableTable
 QueryCassandra
 QueryDatabaseTable
 QueryDatabaseTableRecord
 QueryDNS
 QueryElasticsearchHttp
 QueryIoTDBRecord

GetAwsTranslateJobStatus	QueryRecord
GetAzureEventHub	QuerySalesforceObject
GetAzureQueueStorage	QuerySolr
GetAzureQueueStorage_v12	QuerySplunkIndexingStatus
GetCouchbaseKey	QueryWhois
GetDynamoDB	RemoveRecordField
GetElasticsearch	ReplaceText
GetFile	ReplaceTextWithMapping
GetFTP	ResizeImage
GetGcpVisionAnnotateFilesOperationStatus	RetryFlowFile
GetGcpVisionAnnotateImagesOperationStatus	RouteHL7
GetHBase	RouteOnAttribute
GetHDFS	RouteOnContent
GetHDFSEvents	RouteText
GetHDFSFileInfo	RunMongoAggregation
GetHDFSSequenceFile	SampleRecord
GetHTMLElement	ScanAccumulo
GetHTTP	ScanAttribute
GetHubSpot	ScanContent
GetJiraIssue	ScanHBase
GetJMSQueue	ScriptedFilterRecord
GetJMSTopic	ScriptedPartitionRecord
GetMongo	ScriptedTransformRecord
GetMongoRecord	ScriptedValidateRecord
GetRethinkDB	ScrollElasticsearchHttp
GetSFTP	SearchElasticsearch
GetShopify	SegmentContent
GetSmbFile	SelectClouderaHiveQL
GetSNMP	SelectHive3QL
GetSnowflakeIngestStatus	SendTrapSNMP
GetSolr	SetSNMP
GetSplunk	SignContentPGP
GetSQS	SplitAvro
GetTCP	SplitContent
GetTwitter	SplitJson
GetWorkdayReport	SplitRecord
GetZendesk	SplitText
HandleHttpRequest	SplitXml
HandleHttpResponse	SpringContextProcessor
HashAttribute	StartAwsPollyJob
HashContent	StartAwsTextextractJob
IdentifyMimeType	StartAwsTranscribeJob
InvokeAWSGatewayApi	StartAwsTranslateJob
InvokeGRPC	StartGcpVisionAnnotateFilesOperation
InvokeGRPC	StartGcpVisionAnnotateImagesOperation
InvokeHTTP	StartSnowflakeIngest
InvokeScriptedProcessor	TagS3Object
ISPEnrichIP	TailFile
JoinEnrichment	TransformXml
JoltTransformJSON	TriggerClouderaHiveMetaStoreEvent

JoltTransformRecord	TriggerHiveMetaStoreEvent
JSLTTransformJSON	UnpackContent
JsonQueryElasticsearch	UpdateAttribute
ListAzureBlobStorage	UpdateByQueryElasticsearch
ListAzureBlobStorage_v12	UpdateClouderaHiveTable
ListAzureDataLakeStorage	UpdateCounter
ListBoxFile	UpdateDatabaseTable
ListCDPObjectStore	UpdateDeltaLakeTable1
ListDatabaseTables	UpdateHive3Table
ListDropbox	UpdateJiraIssue
ListenBeats	UpdateRecord
ListenFTP	ValidateCsv
ListenGRPC	ValidateJson
ListenGRPC	ValidateRecord
ListenHTTP	ValidateXml
ListenNetFlow	VerifyContentMAC
ListenOTLP	VerifyContentPGP
ListenRELP	Wait
	YandexTranslate

Legend

1 - Technical Preview

NiFi 2.0 [Technical Preview]

AttributeRollingWindow	ListGCSBucket
AttributesToCSV	ListGoogleDrive
AttributesToJSON	ListHDFS
Bedrock	ListS3
CalculateParquetOffsets	ListSFTP
CalculateParquetRowGroupOffsets	ListSmb
CalculateRecordStats	LogAttribute
CaptureChangeDebeziumDB2	LogMessage
CaptureChangeDebeziumMySQL	LookupAttribute
CaptureChangeDebeziumOracle	LookupRecord
CaptureChangeDebeziumPostgreSQL	MergeContent
CaptureChangeDebeziumSQLServer	MergeRecord
CaptureChangeMySQL	ModifyBytes
ChunkData	ModifyCompression
ChunkDocument	MonitorActivity
CompressContent	MoveAzureDataLakeStorage
ConnectWebSocket	MoveHDFS
ConsumeAMQP	Notify
ConsumeAzureEventHub	PackageFlowFile
ConsumeElasticsearch	PaginatedJsonQueryElasticsearch
ConsumeGCPubSub	ParseCEF
ConsumeGCPubSubLite	ParseDocument
ConsumeIMAP	ParseEvtx
ConsumeJMS	ParseNetflowv5
ConsumeKafka_2_6	ParseSyslog

ConsumeKafka2CDP
 ConsumeKafka2RecordCDP
 ConsumeKafkaRecord_2_6
 ConsumeKinesisStream
 ConsumeMQTT
 ConsumePOP3
 ConsumeSlack
 ConsumeTwitter
 ConsumeWindowsEventLog
 ControlRate
 ConvertAvroToJSON
 ConvertAvroToParquet
 ConvertCharacterSet
 ConvertJSONToSQL
 ConvertProtobuf
 ConvertRecord
 CopyAzureBlobStorage_v12
 CountText
 CreateHadoopSequenceFile
 CryptographicHashContent
 DebugFlow
 DecryptContent
 DecryptContentAge
 DecryptContentCompatibility
 DecryptContentPGP
 DeduplicateRecord
 DeleteAzureBlobStorage_v12
 DeleteAzureDataLakeStorage
 DeleteByQueryElasticsearch
 DeleteCDPObjectStore
 DeleteDynamoDB
 DeleteGCSObject
 DeleteGridFS
 DeleteHBaseCells
 DeleteHBaseRow
 DeleteHDFS
 DeleteMongo
 DeleteS3Object
 DeleteSQS
 DetectDuplicate
 DistributeLoad
 DuplicateFlowFile
 EmbedData
 EncodeContent
 EncryptContentAge
 EncryptContentPGP
 EnforceOrder
 EvaluateJsonPath
 EvaluateXPath
 EvaluateXQuery

ParseSyslog5424
 PartitionCsv
 PartitionDocx
 PartitionHtml
 PartitionPdf
 PartitionRecord
 PartitionText
 PromptChatGPT
 PublishAMQP
 PublishGCPubSub
 PublishGCPubSubLite
 PublishJMS
 PublishKafka_2_6
 PublishKafka2CDP
 PublishKafka2RecordCDP
 PublishKafkaRecord_2_6
 PublishMQTT
 PublishSlack
 PutAccumuloRecord
 PutAzureBlobStorage_v12
 PutAzureCosmosDBRecord
 PutAzureDataExplorer
 PutAzureDataLakeStorage
 PutAzureEventHub
 PutAzureQueueStorage_v12
 PutBigQuery
 PutBoxFile
 PutCassandraQL
 PutCassandraRecord
 PutCDPObjectStore
 PutChroma
 PutClouderaHiveQL
 PutClouderaHiveStreaming
 PutClouderaORC
 PutCloudWatchMetric
 PutCouchbaseKey
 PutDatabaseRecord
 PutDistributedMapCache
 PutDropbox
 PutDynamoDB
 PutDynamoDBRecord
 PutElasticsearchJson
 PutElasticsearchRecord
 PutEmail
 PutFile
 PutFTP
 PutGCSObject
 PutGoogleDrive
 PutGridFS
 PutHBaseCell

ExecuteGraphQuery
 ExecuteGraphQueryRecord
 ExecuteGroovyScript
 ExecuteProcess
 ExecuteScript
 ExecuteSparkInteractive
 ExecuteSQL
 ExecuteSQLRecord
 ExecuteStateless
 ExecuteStreamCommand
 ExtractAvroMetadata
 ExtractDocumentText
 ExtractEmailAttachments
 ExtractEmailHeaders
 ExtractGrok
 ExtractHL7Attributes
 ExtractImageMetadata
 ExtractMediaMetadata
 ExtractRecordSchema
 ExtractText
 ExtractTNEFAttachments
 FetchAzureBlobStorage_v12
 FetchAzureDataLakeStorage
 FetchBoxFile
 FetchCDPObjectStore
 FetchDistributedMapCache
 FetchDropbox
 FetchFile
 FetchFTP
 FetchGCSObject
 FetchGoogleDrive
 FetchGridFS
 FetchHBaseRow
 FetchHDFS
 FetchParquet
 FetchS3Object
 FetchSFTP
 FetchSmb
 FilterAttribute
 FlattenJson
 ForkEnrichment
 ForkRecord
 GenerateFlowFile
 GenerateRecord
 GenerateTableFetch
 GeoEnrichIP
 GeoEnrichIPRecord
 GeohashRecord
 GetAsanaObject
 GetAwsPollyJobStatus

PutHBaseJSON
 PutHBaseRecord
 PutHDFS
 PutHive3QL
 PutHive3Streaming
 PutIceberg
 PutIcebergCDC
 PutIoTDBRecord
 PutJiraIssue
 PutKinesisFirehose
 PutKinesisStream
 PutKudu
 PutLambda
 PutMongo
 PutMongoBulkOperations
 PutMongoRecord
 PutOpenSearchVector
 PutORC
 PutParquet
 PutPinecone
 PutQdrant
 PutRecord
 PutRedisHashRecord
 PutS3Object
 PutSalesforceObject
 PutSFTP
 PutSmbFile
 PutSnowflakeInternalStage
 PutSNS
 PutSolrContentStream
 PutSolrRecord
 PutSplunk
 PutSplunkHTTP
 PutSQL
 PutSQS
 PutSyslog
 PutTCP
 PutUDP
 PutWebSocket
 PutZendeskTicket
 QueryAirtableTable
 QueryAzureDataExplorer
 QueryCassandra
 QueryChroma
 QueryDatabaseTable
 QueryDatabaseTableRecord
 QueryDNS
 QueryIoTDBRecord
 QueryOpenSearchVector
 QueryPinecone

GetAwsTextractJobStatus	QueryQdrant
GetAwsTranscribeJobStatus	QueryRecord
GetAwsTranslateJobStatus	QuerySalesforceObject
GetAzureEventHub	QuerySolr
GetAzureQueueStorage_v12	QuerySplunkIndexingStatus
GetCouchbaseKey	QueryWhois
GetDynamoDB	RemoveRecordField
GetElasticsearch	RenameRecordField
GetFile	ReplaceText
GetFTP	ReplaceTextWithMapping
GetGcpVisionAnnotateFilesOperationStatus	ResizeImage
GetGcpVisionAnnotateImagesOperationStatus	RetryFlowFile
GetHBase	RouteHL7
GetHDFS	RouteOnAttribute
GetHDFSEvents	RouteOnContent
GetHDFSFileInfo	RouteText
GetHDFSSequenceFile	RunMongoAggregation
GetHubSpot	SampleRecord
GetJiraIssue	ScanAccumulo
GetMongo	ScanAttribute
GetMongoRecord	ScanContent
GetSFTP	ScanHBase
GetShopify	ScriptedFilterRecord
GetSmbFile	ScriptedPartitionRecord
GetSNMP	ScriptedTransformRecord
GetSnowflakeIngestStatus	ScriptedValidateRecord
GetSolr	SearchElasticsearch
GetSplunk	SegmentContent
GetSQS	SelectClouderaHiveQL
GetWorkdayReport	SelectHive3QL
GetZendesk	SendTrapSNMP
HandleHttpRequest	SetSNMP
HandleHttpResponse	SignContentPGP
IdentifyMimeType	SplitAvro
InsertToMilvus	SplitContent
InvokeAWSGatewayApi	SplitJson
InvokeGRPC	SplitRecord
InvokeHTTP	SplitText
InvokeScriptedProcessor	SplitXml
ISPErichIP	StartAwsPollyJob
JoinEnrichment	StartAwsTextractJob
JoltTransformJSON	StartAwsTranscribeJob
JoltTransformRecord	StartAwsTranslateJob
JSLTTransformJSON	StartGcpVisionAnnotateFilesOperation
JsonQueryElasticsearch	StartGcpVisionAnnotateImagesOperation
LexicalQueryMilvus	StartSnowflakeIngest
ListAzureBlobStorage_v12	TagS3Object
ListAzureDataLakeStorage	TailFile
ListBoxFile	TransformXml
ListCDPObjectStore	TriggerClouderaHiveMetaStoreEvent

ListDatabaseTables	TriggerHiveMetaStoreEvent
ListDropbox	UnpackContent
ListenBeats	UpdateAttribute
ListenFTP	UpdateByQueryElasticsearch
ListenGRPC	UpdateClouderaHiveTable
ListenHTTP	UpdateCounter
ListenNetFlow	UpdateDatabaseTable
ListenOTLP	UpdateDeltaLakeTable
ListenRELP	UpdateHive3Table
ListenSlack	UpdateRecord
ListenSMTP	ValidateCsv
ListenSyslog	ValidateJson
ListenTCP	ValidateRecord
ListenTCPRecord	ValidateXml
ListenTrapSNMP	VectorQueryMilvus
ListenUDP	VerifyContentMAC
ListenUDPRecord	VerifyContentPGP
ListenWebSocket	Wait
ListFile	YandexTranslate
ListFTP	

Removed NiFi processors

Learn about the NiFi processors removed in this release of Cloudera DataFlow and the alternatives you can replace them with.



Note: These components are removed in NiFi Runtime version 1.25.0.2.3.13.0-36. If updating your flow definition with supported alternatives is not possible, select a lower NiFi Runtime Version (specify a lower --cfm-nifi-version if using the CLI) during flow deployment.

Removed processor	Replace it with
ConsumeKafka_1_0	ConsumeKafka2CDP, ConsumeKafka_2_6
ConsumeKafka_2_0	ConsumeKafka2CDP, ConsumeKafka_2_6
ConsumeKafkaRecord_1_0	ConsumeKafka2RecordCDP, ConsumeKafkaRecord_2_6
ConsumeKafkaRecord_2_0	ConsumeKafka2RecordCDP, ConsumeKafkaRecord_2_6
ConvertAvroSchema	ConvertRecord
ConvertAvroToORC	ConvertRecord
ConvertCSVToAvro	ConvertRecord
ConvertJSONToAvro	ConvertRecord
ExecuteFlumeSink	None If this processor is required, you must use a NiFi Runtime version lower than 1.25.0.2.3.13.0-36.
ExecuteFlumeSource	None If this processor is required, you must use a NiFi Runtime version lower than 1.25.0.2.3.13.0-36.
GetIgniteCache	None If this processor is required, you must use a NiFi Runtime version lower than 1.25.0.2.3.13.0-36.

Removed processor	Replace it with
InferAvroSchema	ExtractSchemaRecord
PublishKafka_1_0	PublishKafka_2_6
PublishKafka_2_0	PublishKafka2CDP, PublishKafka_2_6
PublishKafkaRecord_1_0	PublishKafka2RecordCDP, PublishKafkaRecord_2_6
PublishKafkaRecord_2_0	PublishKafka2RecordCDP, PublishKafkaRecord_2_6
PutHive_1_1QL	PutClouderaHiveQL
PutHiveQL	PutClouderaHiveQL
PutHiveStreaming	PutClouderaHiveStreaming
PutIgniteCache	None If this processor is required, you must use a NiFi Runtime version lower than 1.25.0.2.3.13.0-36.
SelectHive_1_1QL	SelectClouderaHiveQL
SelectHiveQL	SelectClouderaHiveQL
StoreInKiteDataset	None If this processor is required, you must use a NiFi Runtime version lower than 1.25.0.2.3.13.0-36.
UpdateHive_1_1Table	UpdateClouderaHiveTable
UpdateHiveTable	UpdateClouderaHiveTable

Supported NiFi controller services

Learn about the Apache NiFi controller services supported by Cloudera that you can use with Cloudera DataFlow.

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.

NiFi 1.27

AccumuloService	JMSConnectionFactoryProvider
ActionHandlerLookup	JndiJmsConnectionFactoryProvider
ActiveMQJMSConnectionFactoryProvider	JsonConfigBasedBoxClientService
ADLSCredentialsControllerService	JsonPathReader
ADLSCredentialsControllerServiceLookup	JsonRecordSetWriter
ADLSIDBrokerCloudCredentialsProviderControllerService	JsonTreeReader
AlertHandler	KafkaRecordSink_2_6
AmazonGlueSchemaRegistry	KerberosKeytabUserService
AvroReader	KerberosPasswordUserService
AvroRecordSetWriter	KerberosTicketCacheUserService
AvroSchemaRegistry	KeytabCredentialsService
AWSCredentialsProviderControllerService	KuduLookupService
AWSIDBrokerCloudCredentialsProviderControllerService	LivySessionController
AzureBlobIDBrokerCloudCredentialsProviderControllerService	LoggingRecordSink
AzureCosmosDBClientService	LogHandler
AzureEventHubRecordSink	MongoDBControllerService

AzureServiceBusJMSConnectionFactoryProvider	MongoDBLookupService
AzureStorageCredentialsControllerService	Neo4JCypherClientService
AzureStorageCredentialsControllerService_v12	OAuth2TokenProviderImpl
AzureStorageCredentialsControllerServiceLookup	OpenCypherClientService
AzureStorageCredentialsControllerServiceLookup_v12	ParquetReader
AzureStorageEmulatorCredentialsControllerService	ParquetRecordSetWriter
CassandraDistributedMapCache	PhoenixThickConnectionPool
CassandraSessionProvider	PhoenixThinConnectionPool
CdpCredentialsProviderControllerService	PostgreSQLConnectionPool
CdpOAuth2AccessTokenProviderControllerService	PrometheusRecordSink
CEFReader	PropertiesFileLookupService
CiscoEmblemSyslogMessageReader	ProtobufReader
ClouderaHiveConnectionPool	RabbitMQJMSConnectionFactoryProvider
ClouderaSchemaRegistry	ReaderLookup
CMLLookupService	RecordSetWriterLookup
ConfluentSchemaRegistry	RecordSinkHandler
CouchbaseClusterService	RecordSinkServiceLookup
CouchbaseKeyValueLookupService	RedisConnectionPoolService
CouchbaseMapCacheClient	RedisDistributedMapCacheClientService
CouchbaseRecordLookupService	RedshiftConnectionPool
CSVReader	RestLookupService
CSVRecordLookupService	ScriptedActionHandler
CSVRecordSetWriter	ScriptedLookupService
DatabaseRecordLookupService	ScriptedReader
DatabaseRecordSink	ScriptedRecordSetWriter
DatabaseTableSchemaRegistry	ScriptedRecordSink
DBCPCConnectionPool	ScriptedRulesEngine
DBCPCConnectionPoolLookup	SimpleCsvFileLookupService
DistributedMapCacheClientService	SimpleDatabaseLookupService
DistributedMapCacheLookupService	SimpleKeyValueLookupService
DistributedMapCacheServer	SimpleRedisDistributedMapCacheClientService
DistributedSetCacheClientService	SimpleScriptedLookupService
DistributedSetCacheServer	SiteToSiteReportingRecordSink
EBCDICRecordReader1	SmbjClientProviderService
ElasticSearchClientServiceImpl	SnowflakeComputingConnectionPool
ElasticSearchLookupService	StandardAsanaClientProviderService
ElasticSearchStringLookupService	StandardAzureCredentialsControllerService
EmailRecordSink	StandardDropboxCredentialService
EmbeddedHazelcastCacheManager	StandardFileResourceService
ExcelReader	StandardHashiCorpVaultClientService
ExpressionHandler	StandardHttpContextMap
ExternalHazelcastCacheManager	StandardJiraCredentialService
FreeFormTextRecordSetWriter	StandardJsonSchemaRegistry1
GCPCredentialsControllerService	StandardOAuth2AccessTokenProvider
GraphiteMetricReporterService	StandardPGPPrivateKeyService
GremlinClientService	StandardPGPPublicKeyService
GrokReader	StandardPrivateKeyService
HadoopCatalogService	StandardProxyConfigurationService
HadoopDBCPCConnectionPool	StandardRestrictedSSLContextService
HazelcastMapCacheClient	StandardS3EncryptionService

HBase_2_ClientMapCacheService	StandardSnowflakeIngestManagerProviderService
HBase_2_ClientService	StandardSSLContextService
HBase_2_RecordLookupService	StandardWebClientServiceProvider
HikariCPCConnectionPool	Syslog5424Reader
Hive3ConnectionPool	SyslogReader
HiveCatalogService	UDPEventRecordSink
HortonworksSchemaRegistry	VolatileSchemaCache
ImpalaConnectionPool	WindowsEventLogReader
IPFIXReader	XMLFileLookupService
IPLookupService	XMLReader
JASN1Reader	XMLRecordSetWriter
JettyWebSocketClient	YamlTreeReader
JettyWebSocketServer	ZendeskRecordSink
JiraRecordSink	

Legend

1 - Technical Preview

NiFi 2.0 [Technical Preview]

AccumuloService	JMSConnectionFactoryProvider
ActiveMQJMSConnectionFactoryProvider	JndiJmsConnectionFactoryProvider
ADLSCredentialsControllerService	JsonConfigBasedBoxClientService
ADLSCredentialsControllerServiceLookup	JsonPathReader
ADLSIDBrokerCloudCredentialsProviderControllerService	JsonRecordSetWriter
AmazonGlueSchemaRegistry	JsonTreeReader
ApicurioSchemaRegistry	KafkaRecordSink_2_6
AvroReader	KerberosKeytabUserService
AvroRecordSetWriter	KerberosPasswordUserService
AvroSchemaRegistry	KerberosTicketCacheUserService
AWSCredentialsProviderControllerService	KeytabCredentialsService
AWSIDBrokerCloudCredentialsProviderControllerService	KuduLookupService
AzureBlobIDBrokerCloudCredentialsProviderControllerService	LicenseSessionController
AzureCosmosDBClientService	LoggingRecordSink
AzureEventHubRecordSink	MongoDBControllerService
AzureServiceBusJMSConnectionFactoryProvider	MongoDBLookupService
AzureStorageCredentialsControllerService_v12	Neo4JCypherClientService
AzureStorageCredentialsControllerServiceLookup_v12	ParquetReader
CassandraDistributedMapCache	ParquetRecordSetWriter
CassandraSessionProvider	PostgreSQLConnectionPool
CdpCredentialsProviderControllerService	PrometheusRecordSink
CdpOAuth2AccessTokenProviderControllerService	PropertiesFileLookupService
CEFReader	RabbitMQJMSConnectionFactoryProvider
CiscoEmblemSyslogMessageReader	ReaderLookup
ClouderaHiveConnectionPool	RecordSetWriterLookup
ClouderaSchemaRegistry	RecordSinkServiceLookup
CMLLookupService	RedisConnectionPoolService
ConfluentEncodedSchemaReferenceReader	RedisDistributedMapCacheClientService
ConfluentEncodedSchemaReferenceWriter	RedshiftConnectionPool
ConfluentSchemaRegistry	RestLookupService

CouchbaseClusterService	ScriptedLookupService
CouchbaseKeyValueLookupService	ScriptedReader
CouchbaseMapCacheClient	ScriptedRecordSetWriter
CouchbaseRecordLookupService	ScriptedRecordSink
CSVReader	SimpleCsvFileLookupService
CSVRecordLookupService	SimpleDatabaseLookupService
CSVRecordSetWriter	SimpleKeyValueLookupService
DatabaseRecordLookupService	SimpleRedisDistributedMapCacheClientService
DatabaseRecordSink	SimpleScriptedLookupService
DatabaseTableSchemaRegistry	SiteToSiteReportingRecordSink
DBCPCConnectionPool	SlackRecordSink
DBCPCConnectionPoolLookup	SmbjClientProviderService
DistributedMapCacheClientService	SnowflakeComputingConnectionPool
DistributedMapCacheLookupService	StandardAsanaClientProviderService
DistributedMapCacheServer	StandardAzureCredentialsControllerService
DistributedSetCacheClientService	StandardDropboxCredentialService
DistributedSetCacheServer	StandardFileResourceService
EBCDICRecordReader	StandardHashiCorpVaultClientService
ElasticSearchClientServiceImpl	StandardHttpContextMap
ElasticSearchLookupService	StandardJsonSchemaRegistry
ElasticSearchStringLookupService	StandardKustoIngestService
EmailRecordSink	StandardKustoQueryService
EmbeddedHazelcastCacheManager	StandardOAuth2AccessTokenProvider
ExcelReader	StandardPGPPrivateKeyService
ExternalHazelcastCacheManager	StandardPGPPublicKeyService
FreeFormTextRecordSetWriter	StandardPrivateKeyService
GCPCredentialsControllerService	StandardProxyConfigurationService
GCSFileResourceService	StandardRestrictedSSLContextService
GrokReader	StandardS3EncryptionService
HadoopCatalogService	StandardSnowflakeIngestManagerProviderService
HadoopDBCPCConnectionPool	StandardSSLContextService
HazelcastMapCacheClient	StandardWebClientServiceProvider
HBase_2_ClientMapCacheService	Syslog5424Reader
HBase_2_ClientService	SyslogReader
HBase_2_RecordLookupService	TinkerpopClientService
HikariCPCConnectionPool	UDPEventRecordSink
Hive3ConnectionPool	VolatileSchemaCache
HiveCatalogService	WindowsEventLogReader
IPFIXReader	XMLFileLookupService
IPLookupService	XMLReader
JASN1Reader	XMLRecordSetWriter
JettyWebSocketClient	YamlTreeReader
JettyWebSocketServer	ZendeskRecordSink
JiraRecordSink	

Removed NiFi controller services

Learn about the Apache NiFi controller services removed in this release of Cloudera DataFlow and the alternatives you can replace them with.



Note: These components are removed in NiFi Runtime version 1.25.0.2.3.13.0-36. If updating your flow definition with supported alternatives is not possible, select a lower NiFi Runtime Version (specify a lower `--cfm-nifi-version` if using the CLI) during flow deployment.

Removed controller service	Replace it with
EasyRulesEngineProvider	None If this processor is required, you must use a NiFi Runtime version lower than 1.25.0.2.3.13.0-36.
EasyRulesEngineService	None If this processor is required, you must use a NiFi Runtime version lower than 1.25.0.2.3.13.0-36.
Hive_1_1ConnectionPool	Hive3ConnectionPool
HiveConnectionPool	Hive3ConnectionPool
KafkaRecordSink_1_0	KafkaRecordSink_2_6
KafkaRecordSink_2_0	KafkaRecordSink_2_6

Supported NiFi reporting tasks

Learn about the Apache NiFi reporting tasks supported by Cloudera that you can use with Cloudera DataFlow.

The following NiFi reporting tasks are supported in Cloudera DataFlow:

NiFi 1.27

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

NiFi 2.0 [Technical Preview]

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

Feature support matrix

Certain features may not work on every available combination of Apache NiFi and Cloudera Runtime versions. Learn about these restrictions.

Supported feature	NiFi Runtime version	Cloudera Runtime version
Ranger Authorization Service (RAZ)	1.16.0.2.3.6.1-1 or lower	7.2.12-7.2.14
Ranger Authorization Service (RAZ)	1.18.0.2.3.6.2-2 or higher	7.2.15 or higher

Cloudera DataFlow Functions

AWS Lambda, Google Cloud Functions, and Azure Functions are supported for Cloudera DataFlow Functions. You can use any trigger available in these services when working with Cloudera DataFlow Functions.

All processors and controller services supported in the latest version of the Cloudera DataFlow and Cloudera Flow Management are supported with Cloudera DataFlow Functions.