

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 this release of Cloudera Data Flow.

Supported NiFi processors

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

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
AirtableTable	MediaMetadata
AsanaObject	MergeContent
Attribute	MergeRecord
Attributes	MimeType
AvroMetadata	ModifyBytes
AzureBlobStorage_v12	ModifyCompression
AzureCosmosDBRecord	Mongo
AzureDataExplorer	MongoAggregation
AzureEventHub	MongoBulkOperations
AzureQueueStorage_v12	MongoRecord
Beats	MonitorActivity
BigQuery	MoveAzureDataLakeStorage
BoxEnterpriseEvents	MoveHDFS
BoxFile	MQTT
BoxFileCollaborators	Netflowv5
BoxFileInfo	Notify
BoxFileMetadataInstance	ObjectStore
BoxFileMetadataTemplates	PCAP
BoxFileRepresentation	PackageFlowFile
BoxGroupMembers	PaginatedJsonQueryElasticsearch
CalculateParquetOffsets	Parquet
CalculateParquetRowGroupOffsets	ParquetOffsets
CalculateRecordStats	ParquetRowGroupOffsets
CaptureChangeDebeziumDB2	ParseEvtx
CaptureChangeDebeziumMongoDB	ParseNetflowv5
CaptureChangeDebeziumMySQL	ParseSyslog
CaptureChangeDebeziumOracle	ParseSyslog5424
CaptureChangeDebeziumPostgreSQL	PartitionRecord
CaptureChangeDebeziumSQLServer	Pop3
CaptureChangeMySQL	Process

Cassandra	PublishAMQP
CassandraQL	PublishGCPubSub
CassandraRecord	PublishJMS
CDPObjectStore	PublishKafka
ChangeDebeziumDB2	PublishKafka2CDP
ChangeDebeziumMongoDB	PublishKafka2RecordCDP
ChangeDebeziumMySQL	PublishKafkaRecord_2_6
ChangeDebeziumOracle	PublishKafka_2_6
ChangeDebeziumPostgreSQL	PublishMQTT
ChangeDebeziumSQLServer	PublishSlack
CloudWatchMetric	PutAccumuloRecord
CompressContent	PutAzureBlobStorage_v12
Compression	PutAzureCosmosDBRecord
ConnectWebSocket	PutAzureDataExplorer
ConsumeAMQP	PutAzureEventHub
ConsumeAzureEventHub	PutAzureQueueStorage_v12
ConsumeBoxEvents	PutBigQuery
ConsumeBoxEnterpriseEvents	PutBoxFile
ConsumeElasticsearch	PutCassandraQL
ConsumeGCPubSub	PutCassandraRecord
ConsumeIMAP	PutCDPObjectStore
ConsumeJMS	PutClouderaHiveQL
ConsumeKafka	PutClouderaHiveStreaming
ConsumeKafka2CDP	PutClouderaORC
ConsumeKafka2RecordCDP	PutCloudWatchMetric
ConsumeKafkaRecord_2_6	PutCouchbaseKey
ConsumeKafka_2_6	PutDatabaseRecord
ConsumeKinesisStream	PutDistributedMapCache
ConsumeMQTT	PutDropbox
ConsumePOP3	PutDynamoDB
ConsumePLC	PutDynamoDBRecord
ConsumeSlack	PutElasticsearchJson
ConsumeTwitter	PutElasticsearchRecord
ConsumeWindowsEventLog	PutEmail
Content	PutFTP
ControlRate	PutFile
ConvertAvroToParquet	PutGCXObject
ConvertCharacterSet	PutGoogleDrive
ConvertProtobuf	PutHBaseCell
ConvertRecord	PutHBaseJSON
CopyAzureBlobStorage_v12	PutHBaseRecord
CopyS3Object	PutHDFS
CountText	PutIceberg
CouchbaseKey	PutIcebergCDC ¹
CreateBoxFileMetadataInstance	PutIoTDBRecord
CreateBoxMetadataTemplate	PutJiraIssue
CreateHadoopSequenceFile	PutKinesisFirehose
CryptographicHashContent	PutKinesisStream
DatabaseRecord	PutKudu
DatabaseTable	PutLambda

DebugFlow	PutMongo
DecryptContentAge	PutMongoBulkOperations
DecryptContentPGP	PutMongoRecord
DeduplicateRecord	PutPLC
DeleteAzureBlobStorage_v12	PutParquet
DeleteAzureDataLakeStorage	PutRedisHashRecord ¹
DeleteBoxFileMetadataInstance	PutRecord
DeleteByQueryElasticsearch	PutSFTP
DeleteCDPObjectStore	PutSQL
DeleteDynamoDB	PutSQS
DeleteFile	PutSalesforceObject
DeleteGCSObject	PutSmbFile
DeleteGridFS	PutSnowflakeInternalStage
DeleteHBaseCells	PutSplunk
DeleteHBaseRow	PutSplunkHTTP
DeleteHDFS	PutSyslog
DeleteMongo	PutTCP
DeleteSFTP	PutUDP
DeleteS3Object	PutWebSocket
DeleteSQS	PutZendeskTicket
DeltaLakeTable	QueryAirtableTable
DetectDuplicate	QueryAzureDataExplorer
DistributeLoad	QueryCassandra
DocumentText	QueryDatabaseTable
Dropbox	QueryDatabaseTableRecord
DuplicateFlowFile	QueryIoTDBRecord
Elasticsearch	QueryRecord
Email	QuerySalesforceObject
EmailAttachments	QuerySolr
EmailHeaders	QuerySplunkIndexingStatus
EncodeContent	RecordField
EncryptContentAge	RecordSchema
EncryptContentPGP	RecordStats
EnforceOrder	RenameRecordField
EnrichIP	ReplaceText
EvaluateJsonPath	ReplaceTextWithMapping
EvaluateXQuery	ResizeImage
EvaluateXPath	RetryFlowFile
Evtx	RouteHL7
Excel	RouteOnAttribute
ExecuteGraphQuery	RouteOnContent
ExecuteGraphQueryRecord	RouteText
ExecuteGroovyScript	RunMongoAggregation
ExecuteProcess	S3Object
ExecuteSQL	S3ObjectMetadata
ExecuteSQLRecord	S3ObjectTags
ExecuteScript	SalesforceObject
ExecuteSparkInteractive	SampleRecord
ExecuteStreamCommand	SawmillTransformJSON
ExtractAvroMetadata	

ExtractDocumentText	SawmillTransformRecord
ExtractEmailAttachments	ScanAccumulo
ExtractEmailHeaders	ScanAttribute
ExtractGrok	ScanContent
ExtractHL7Attributes	ScanHBase
ExtractImageMetadata	ScriptedFilterRecord
ExtractMediaMetadata	ScriptedPartitionRecord
ExtractRecordSchema	ScriptedTransformRecord
ExtractStructuredBoxFileMetadata	ScriptedValidateRecord
ExtractText	SearchElasticsearch
FetchAzureBlobStorage_v12	SegmentContent
FetchAzureDataLakeStorage	SelectClouderaHiveQL
FetchBoxFile	SendTrapSNMP
FetchBoxFileInfo	SetSNMP
FetchBoxFileMetadataInstance	Shopify
FetchBoxFileRepresentation	SignContentPGP
FetchCDPObjectStore	Slack
FetchDistributedMapCache	SlackReaction
FetchDropbox	Smb
FetchFTP	SmbFile
FetchFile	SnowflakeIngestStatus
FetchGCSObject	Solr
FetchGridFS	SolrContentStream
FetchHBaseRow	SolrRecord
FetchHDFS	SplitAvro
FetchParquet	SplitContent
FetchPLC	SplitExcel
FetchSFTP	SplitJson
FetchSmb	SplitPCAP
FilterAttribute	SplitRecord
FlattenJson	SplitText
FlowFile	SplitXml
ForkEnrichment	SQS
ForkRecord	SQL
FTP	SQLRecord
GCSBucket	StartAwsPollyJob
GCSObject	StartAwsTextextractJob
GcpVisionAnnotateFilesOperationStatus	StartAwsTranscribeJob
GcpVisionAnnotateImagesOperationStatus	StartAwsTranslateJob
GenerateFlowFile	StartGcpVisionAnnotateFilesOperation
GenerateRecord	StartGcpVisionAnnotateImagesOperation
GenerateTableFetch	StartSnowflakeIngest
GeoEnrichIP	Syslog
GeoEnrichIPRecord	Syslog5424
GetAsanaObject	TagS3Object
GetAwsPollyJobStatus	TailFile
GetAwsTextextractJobStatus	TCP
GetAwsTranscribeJobStatus	Text
GetAwsTranslateJobStatus	TransformXml
GetAzureEventHub	TriggerClouderaHiveMetaStoreEvent

GetAzureQueueStorage_v12	UDP
GetBoxFileCollaborators	UDPRecord
GetBoxGroupMembers	UnpackContent
GetCouchbaseKey	UpdateAttribute
GetDynamoDB	UpdateBoxFileMetadataInstance
GetElasticsearch	UpdateByQueryElasticsearch
GetFTP	UpdateClouderaHiveTable
GetFile	UpdateCounter
GetFileResource	UpdateDatabaseTable
GetGcpVisionAnnotateFilesOperationStatus	UpdateDeltaLakeTable ¹
GetGcpVisionAnnotateImagesOperationStatus	UpdateJiraIssue
GetHBase	UpdateRecord
GetHDFSEvents	ValidateCsv
GetHDFSFileInfo	ValidateJson
GetHDFSSequenceFile	ValidateRecord
GetHubSpot	ValidateXml
GetJiraIssue	VerifyContentMAC
GetMongo	VerifyContentPGP
GetMongoRecord	Wait
GetSFTP	Websocket
GetSNMP	WorkdayReport
GetSQS	Zendesk
GetShopify	ZendeskTicket
GetSlackReaction	
GetSmbFile	
GetSplunk	
GetSnowflakeIngestStatus	
GetTCP	
GetWorkdayReport	
GetZendesk	
GoogleDrive	
Grok	
HL7	
HandleHttpRequest	
HandleHttpResponse	
HBase	
HBaseCell	
HBaseJSON	
HBaseRegions	
HBaseRow	
HDFS	
HDFSEvents	
HDFSFileInfo	
HDFSSequenceFile	
HTTP	
Iceberg	
IcebergCDC	
IdentifyMimeType	
IoTDBRecord	
IP	

ISPErichIP	
InvokeGRPC	
InvokeHTTP	
InvokeScriptedProcessor	
JMS	
JSLTTransformJSON	
JiraIssue	
JoinEnrichment	
JoltTransformJSON	
JoltTransformRecord	
Json	
JsonQueryElasticsearch	
Kafka	
Kafka2CDP	
Kafka2RecordCDP	
KafkaRecord_2_6	
Kafka_2_6	
KinesisFirehose	
KinesisStream	
Kudu	
Lambda	
ListAzureBlobStorage_v12	
ListAzureDataLakeStorage	
ListBoxFile	
ListBoxFileInfo	
ListBoxFileMetadataInstances	
ListBoxFileMetadataTemplates	
ListCDPObjectStore	
ListDatabaseTables	
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	
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NiFi 2.4.0

AccumuloRecord Aggregation AirtableTable AsanaObject Attribute Attributes AvroMetadata AzureBlobStorage_v12 AzureCosmosDBRecord AzureDataExplorer AzureEventHub AzureQueueStorage_v12 Beats BigQuery BoxEnterpriseEvents BoxFile BoxFileCollaborators BoxFileInfo BoxFileMetadataInstance BoxFileMetadataTemplates BoxFileRepresentation BoxGroupMembers CalculateParquetOffsets CalculateParquetRowGroupOffsets CalculateRecordStats CaptureChangeDebeziumDB2 ¹ CaptureChangeDebeziumMongoDB ¹ CaptureChangeDebeziumMySQL ¹ CaptureChangeDebeziumOracle ¹ CaptureChangeDebeziumPostgreSQL ¹ CaptureChangeDebeziumSQLServer ¹ CaptureChangeMySQL Cassandra CassandraQL CassandraRecord CDPObjectStore ChangeDebeziumDB2 ChangeDebeziumMongoDB ChangeDebeziumMySQL	LookupAttribute LookupRecord MediaMetadata MergeContent MergeRecord MimeType ModifyBytes ModifyCompression Mongo MongoAggregation MongoBulkOperations MongoRecord MonitorActivity MoveAzureDataLakeStorage MoveHDFS MQTT Netflowv5 Notify ObjectStore PCAP PackageFlowFile PaginatedJsonQueryElasticsearch Parquet ParquetOffsets ParquetRowGroupOffsets ParseEvtx ParseNetflowv5 ParseSyslog ParseSyslog5424 PartitionRecord Pop3 Process PublishAMQP PublishGCPubSub PublishJMS PublishKafka PublishKafka2CDP PublishKafka2RecordCDP PublishKafkaRecord_2_6 PublishKafka_2_6
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¹ Technical Preview

ChangeDebeziumOracle
 ChangeDebeziumPostgreSQL
 ChangeDebeziumSQLServer
 CloudWatchMetric
 CompressContent
 Compression
 ConnectWebSocket
 ConsumeAMQP
 ConsumeAzureEventHub
 ConsumeBoxEvents
 ConsumeBoxEnterpriseEvents
 ConsumeElasticsearch
 ConsumeGCPubSub
 ConsumeIMAP
 ConsumeJMS
 ConsumeKafka
 ConsumeKafka2CDP
 ConsumeKafka2RecordCDP
 ConsumeKafkaRecord_2_6
 ConsumeKafka_2_6
 ConsumeKinesisStream
 ConsumeMQTT
 ConsumePOP3
 ConsumePLC¹
 ConsumeSlack
 ConsumeTwitter
 ConsumeWindowsEventLog
 Content
 ControlRate
 ConvertAvroToParquet
 ConvertCharacterSet
 ConvertProtobuf
 ConvertRecord
 CopyAzureBlobStorage_v12
 CopyS3Object
 CountText
 CouchbaseKey
 CreateBoxFileMetadataInstance
 CreateBoxMetadataTemplate
 CreateHadoopSequenceFile
 CryptographicHashContent
 DatabaseRecord
 DatabaseTable
 DebugFlow
 DecryptContentAge
 DecryptContentPGP
 DeduplicateRecord
 DeleteAzureBlobStorage_v12
 DeleteAzureDataLakeStorage
 DeleteBoxFileMetadataInstance

PublishMQTT
 PublishSlack
 PutAccumuloRecord
 PutAzureBlobStorage_v12
 PutAzureCosmosDBRecord
 PutAzureDataExplorer
 PutAzureEventHub
 PutAzureQueueStorage_v12
 PutBigQuery
 PutBoxFile
 PutCassandraQL
 PutCassandraRecord
 PutCDPObjectStore
 PutClouderaHiveQL
 PutClouderaHiveStreaming
 PutClouderaORC
 PutCloudWatchMetric
 PutCouchbaseKey
 PutDatabaseRecord
 PutDistributedMapCache
 PutDropbox
 PutDynamoDB
 PutDynamoDBRecord
 PutElasticsearchJson
 PutElasticsearchRecord
 PutEmail
 PutFTP
 PutFile
 PutGCXObject
 PutGoogleDrive
 PutHBaseCell
 PutHBaseJSON
 PutHBaseRecord
 PutHDFS
 PutIceberg
 PutIcebergCDC
 PutIoTDBRecord
 PutJiraIssue
 PutKinesisFirehose
 PutKinesisStream
 PutKudu
 PutLambda
 PutMongo
 PutMongoBulkOperations
 PutMongoRecord
 PutPLC
 PutParquet
 PutRedisHashRecord
 PutRecord
 PutSFTP

DeleteByQueryElasticsearch
 DeleteCDPObjectStore
 DeleteDynamoDB
 DeleteFile
 DeleteGCSObject
 DeleteGridFS
 DeleteHBaseCells
 DeleteHBaseRow
 DeleteHDFS
 DeleteMongo
 DeleteSFTP
 DeleteS3Object
 DeleteSQS
 DeltaLakeTable
 DetectDuplicate
 DistributeLoad
 DocumentText
 Dropbox
 DuplicateFlowFile
 Elasticsearch
 Email
 EmailAttachments
 EmailHeaders
 EncodeContent
 EncryptContentAge
 EncryptContentPGP
 EnforceOrder
 EnrichIP
 EvaluateJsonPath
 EvaluateXQuery
 EvaluateXPath
 Evtx
 Excel
 ExecuteGraphQuery
 ExecuteGraphQueryRecord
 ExecuteGroovyScript
 ExecuteProcess
 ExecuteSQL
 ExecuteSQLRecord
 ExecuteScript
 ExecuteSparkInteractive
 ExecuteStreamCommand
 ExtractAvroMetadata
 ExtractDocumentText
 ExtractEmailAttachments
 ExtractEmailHeaders
 ExtractGrok
 ExtractHL7Attributes
 ExtractImageMetadata
 ExtractMediaMetadata

PutSQL
 PutSQS
 PutSalesforceObject
 PutSmbFile
 PutSnowflakeInternalStage
 PutSplunk
 PutSplunkHTTP
 PutSyslog
 PutTCP
 PutUDP
 PutWebSocket
 PutZendeskTicket
 QueryAirtableTable
 QueryAzureDataExplorer
 QueryCassandra
 QueryDatabaseTable
 QueryDatabaseTableRecord
 QueryIoTDBRecord
 QueryRecord
 QuerySalesforceObject
 QuerySolr
 QuerySplunkIndexingStatus
 RecordField
 RecordSchema
 RecordStats
 RenameRecordField
 ReplaceText
 ReplaceTextWithMapping
 ResizeImage
 RetryFlowFile
 RouteHL7
 RouteOnAttribute
 RouteOnContent
 RouteText
 RunMongoAggregation
 S3Object
 S3ObjectMetadata
 S3ObjectTags
 SalesforceObject
 SampleRecord
 SawmillTransformJSON
 SawmillTransformRecord
 ScanAccumulo
 ScanAttribute
 ScanContent
 ScanHBase
 ScriptedFilterRecord
 ScriptedPartitionRecord
 ScriptedTransformRecord
 ScriptedValidateRecord

ExtractRecordSchema	SearchElasticsearch
ExtractStructuredBoxFileMetadata	SegmentContent
ExtractText	SelectClouderaHiveQL
FetchAzureBlobStorage_v12	SendTrapSNMP
FetchAzureDataLakeStorage	SetSNMP
FetchBoxFile	Shopify
FetchBoxFileInfo	SignContentPGP
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FetchBoxFileRepresentation	SlackReaction
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FetchDropbox	SnowflakeIngestStatus
FetchFTP	Solr
FetchFile	SolrContentStream
FetchGCSObject	SolrRecord
FetchGridFS	SplitAvro
FetchHBaseRow	SplitContent
FetchHDFS	SplitExcel
FetchParquet	SplitJson
FetchPLC ¹	SplitPCAP
FetchSFTP	SplitRecord
FetchSmb	SplitText
FilterAttribute	SplitXml
FlattenJson	SQS
FlowFile	SQL
ForkEnrichment	SQLRecord
ForkRecord	StartAwsPollyJob
FTP	StartAwsTextextractJob
GCSBucket	StartAwsTranscribeJob
GCSObject	StartAwsTranslateJob
GcpVisionAnnotateFilesOperationStatus	StartGcpVisionAnnotateFilesOperation
GcpVisionAnnotateImagesOperationStatus	StartGcpVisionAnnotateImagesOperation
GenerateFlowFile	StartSnowflakeIngest
GenerateRecord	Syslog
GenerateTableFetch	Syslog5424
GeoEnrichIP	TagS3Object
GeoEnrichIPRecord	TailFile
GetAsanaObject	TCP
GetAwsPollyJobStatus	Text
GetAwsTextextractJobStatus	TransformXml
GetAwsTranscribeJobStatus	TriggerClouderaHiveMetaStoreEvent
GetAwsTranslateJobStatus	UDP
GetAzureEventHub	UDPRecord
GetAzureQueueStorage_v12	UnpackContent
GetBoxFileCollaborators	UpdateAttribute
GetBoxGroupMembers	UpdateBoxFileMetadataInstance
GetCouchbaseKey	UpdateByQueryElasticsearch
GetDynamoDB	UpdateClouderaHiveTable
GetElasticsearch	UpdateCounter
GetFTP	UpdateDatabaseTable

GetFile	UpdateDeltaLakeTable ¹
GetFileResource	UpdateJiraIssue
GetGcpVisionAnnotateFilesOperationStatus	UpdateRecord
GetGcpVisionAnnotateImagesOperationStatus	ValidateCsv
GetHBase	ValidateJson
GetHDFSEvents	ValidateRecord
GetHDFSFileInfo	ValidateXml
GetHDFSSequenceFile	VerifyContentMAC
GetHubSpot	VerifyContentPGP
GetJiraIssue	Wait
GetMongo	WebSocket
GetMongoRecord	WorkdayReport
GetSFTP	Zendesk
GetSNMP	ZendeskTicket
GetSQS	
GetShopify	
GetSlackReaction	
GetSmbFile	
GetSplunk	
GetSnowflakeIngestStatus	
GetTCP	
GetWorkdayReport	
GetZendesk	
GoogleDrive	
Grok	
HL7	
HandleHttpRequest	
HandleHttpResponse	
HBase	
HBaseCell	
HBaseJSON	
HBaseRegions	
HBaseRow	
HDFS	
HDFSEvents	
HDFSFileInfo	
HDFSSequenceFile	
HTTP	
Iceberg	
IcebergCDC	
IdentifyMimeType	
IoTDBRecord	
IP	
ISPErichIP	
InvokeGRPC	
InvokeHTTP	
InvokeScriptedProcessor	
JMS	
JSLTTransformJSON	
JiraIssue	

JoinEnrichment	
JoltTransformJSON	
JoltTransformRecord	
Json	
JsonQueryElasticsearch	
Kafka	
Kafka2CDP	
Kafka2RecordCDP	
KafkaRecord_2_6	
Kafka_2_6	
KinesisFirehose	
KinesisStream	
Kudu	
Lambda	
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ListFile	
ListGCSBucket	
ListGoogleDrive	
ListHBaseRegions	
ListHDFS	
ListSFTP	
ListS3	
ListSmb	
ListenBeats	
ListenFTP	
ListenGRPC	
ListenHTTP	
ListenNetFlow	
ListenOTLP	
ListenSlack	
ListenSyslog	
ListenTCP	
ListenTrapSNMP	
ListenUDP	
ListenUDPRecord	
ListenWebSocket	
LogAttribute	
LogMessage	

Python processors [Technical Preview]

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

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

Removed in version 2.3

Table 1: NiFi processors removed in version 2.3

Removed processor	Replace it with
ConvertAvroToJSON	ConvertRecord configured with an AvroReader and a JsonRecordSetWriter

Removed in version 1.25



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.

Table 2: NiFi processors removed in version 1.25

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

Removed processor	Replace it with
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.
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 Data Flow.

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 controller services in your production environments.

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	PLC4XConnectionPool
BoxClientService	PropertiesFileLookupService
CSVRecordLookupService	ProtobufReader
CEFReader	ProxyPLC4XConnectionPool
CMLLookupService	RabbitMQJMSConnectionFactoryProvider
CdpCredentialsProviderControllerService	Reader
CdpOAuth2AccessTokenProviderControllerService	ReaderLookup
ClouderaAttributeSchemaReferenceReader	RecordSink
ClouderaEncodedSchemaReferenceReader	RecordSinkServiceLookup
ClouderaEncodedSchemaReferenceWriter	RecordSetWriterLookup
ClouderaHiveConnectionPool	RedshiftConnectionPool
ClouderaHiveConnectionPoolLookup	RedisConnectionPoolService
ConfluentEncodedSchemaReferenceWriter	RedisDistributedMapCacheClientService
ConfluentSchemaRegistry	RESTCatalogService
ConnectionPool	RestLookupService
Controller	SSLContextService
CouchbaseClusterService	ScriptedLookupService
CouchbaseKeyValueLookupService	ScriptedReader
CouchbaseMapCacheClient	ScriptedRecordSink
CSVRecordSetWriter	ScriptedRecordSetWriter
DBCPCConnectionPoolLookup	SetCacheClientService
DatabaseRecordLookupService	SimpleDatabaseLookupService
DatabaseRecordSink	SimpleKeyValueLookupService
DatabaseTableSchemaRegistry	SimpleScriptedLookupService
DeveloperBoxClientService	SimpleRedisDistributedMapCacheClientService
DistributedMapCache	SiteToSiteReportingRecordSink
DistributedMapCacheClientService	SlackRecordSink
EmailRecordSink	SmbjClientProviderService
EmbeddedHazelcastCacheManager	SnowflakeComputingConnectionPool
ElasticSearchClientServiceImpl	SnowflakeIngestManagerProviderService
ElasticSearchStringLookupService	StandardAsanaClientProviderService
EncodedSchemaReferenceReader	StandardAzureCredentialsControllerService
EncodedSchemaReferenceWriter	StandardDropboxCredentialService
ExternalHazelcastCacheManager	StandardFileResourceService
FileResourceService	StandardHashiCorpVaultClientService
FreeFormTextRecordSetWriter	StandardJiraCredentialService
GCPCredentialsControllerService	StandardJsonSchemaRegistry ²

GCSFileResourceService	StandardKustoIngestService
GRPC	StandardKustoQueryService
GrokReader	StandardOAuth2AccessTokenProvider
HBase_2_ClientMapCacheService	StandardPGPPublicKeyService
HBase_2_ClientService	StandardPLC4XConnectionPool
HBase_2_RecordLookupService	StandardPrivateKeyService
HadoopCatalogService	StandardProxyConfigurationService
HadoopDBCPCConnectionPool	StandardRestrictedSSLContextService
HazelcastCacheManager	StandardSSLContextService
HikariCPCConnectionPool	StandardSnowflakeIngestManagerProviderService
HiveCatalogService	StandardWebClientServiceProvider
HttpContextMap	Syslog5424Reader
HttpRecordSink	SyslogReader
IPFIXReader	TinkerpopClientService
IPLookupService	VolatileSchemaCache
ImpalaConnectionPool	WebClientServiceProvider
JASN1Reader	WebsocketServer
JWTBearerOAuth2AccessTokenProvider	WindowsEventLogReader
JdbcCatalogService	XMLReader
JettyWebsocketServer	XMLRecordSetWriter
JiraCredentialService	YamlTreeReader
JiraRecordSink	ZendeskRecordSink
JmsConnectionFactoryProvider	
JndiJmsConnectionFactoryProvider	
JsonConfigBasedBoxClientService	
JsonPathReader	
JsonRecordSetWriter	
JsonSchemaRegistry	
JsonTreeReader	

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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

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AzureCosmosDBClientService	ParquetRecordSetWriter
AzureEventHubRecordSink	PEMEncodedSSLContextProvider
AzureServiceBusJMSConnectionFactoryProvider	PGPPublicKeyService
AzureStorageCredentialsControllerService	PhoenixThickConnectionPool
AzureStorageCredentialsControllerServiceLookup_v12	PhoenixThinConnectionPool
AzureStorageCredentialsControllerService_v12	PLC4XConnectionPool ²
BoxClientService	PropertiesFileLookupService
CSVRecordLookupService	ProtobufReader
CEFReader	ProxyPLC4XConnectionPool
CMLLookupService	RabbitMQJMSConnectionFactoryProvider
CdpCredentialsProviderControllerService	Reader
CdpOAuth2AccessTokenProviderControllerService	ReaderLookup
ClouderaAttributeSchemaReferenceReader	RecordSink
ClouderaEncodedSchemaReferenceReader	RecordSinkServiceLookup
ClouderaEncodedSchemaReferenceWriter	RecordSetWriterLookup
ClouderaHiveConnectionPool	RedshiftConnectionPool
ClouderaHiveConnectionPoolLookup	RedisConnectionPoolService
ConfluentEncodedSchemaReferenceWriter	RedisDistributedMapCacheClientService
ConfluentSchemaRegistry	RESTCatalogService
ConnectionPool	RestLookupService
Controller	SSLContextService
CouchbaseClusterService	ScriptedLookupService
CouchbaseKeyValueLookupService	ScriptedReader
CouchbaseMapCacheClient	ScriptedRecordSink
CSVRecordSetWriter	ScriptedRecordSetWriter
DBCPCConnectionPoolLookup	SetCacheClientService
DatabaseRecordLookupService	SimpleDatabaseLookupService
DatabaseRecordSink	SimpleKeyValueLookupService
DatabaseTableSchemaRegistry	SimpleScriptedLookupService
DeveloperBoxClientService	SimpleRedisDistributedMapCacheClientService
DistributedMapCache	SiteToSiteReportingRecordSink
DistributedMapCacheClientService	SlackRecordSink
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FileResourceService	StandardHashiCorpVaultClientService
FreeFormTextRecordSetWriter	StandardJiraCredentialService
GCPCredentialsControllerService	StandardJsonSchemaRegistry ²
GCSFileResourceService	StandardKustoIngestService
GRPC	StandardKustoQueryService
GrokReader	StandardOAuth2AccessTokenProvider
HBase_2_ClientMapCacheService	StandardPGPPublicKeyService
HBase_2_ClientService	StandardPLC4XConnectionPool ²
HBase_2_RecordLookupService	StandardPrivateKeyService
HadoopCatalogService	StandardProxyConfigurationService
HadoopDBCPCConnectionPool	

HazelcastCacheManager HikariCPConnectionPool HiveCatalogService HttpContextMap HttpRecordSink IPFIXReader IPLookupService ImpalaConnectionPool JASN1Reader JWTBearerOAuth2AccessTokenProvider JdbcCatalogService JettyWebsocketServer JiraCredentialService JiraRecordSink JmsConnectionFactoryProvider JndiJmsConnectionFactoryProvider JsonConfigBasedBoxClientService JsonPathReader JsonRecordSetWriter JsonSchemaRegistry JsonTreeReader	StandardRestrictedSSLContextService StandardSSLContextService StandardSnowflakeIngestManagerProviderService StandardWebClientServiceProvider Syslog5424Reader SyslogReader TinkerpopClientService VolatileSchemaCache WebClientServiceProvider WebsocketServer WindowsEventLogReader XMLReader XMLRecordSetWriter YamlTreeReader ZendeskRecordSink
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Removed NiFi controller services

Learn about the Apache NiFi controller services removed in this release of Cloudera Data Flow 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 Data Flow.

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.

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AmbariReportingTask AzureLogAnalyticsProvenanceReportingTask AzureLogAnalyticsReportingTask ControllerStatusReportingTask DataDogReportingTask MetricsEventReportingTask MetricsReportingTask MonitorDiskUsage MonitorMemory	PrometheusReportingTask QueryNiFiReportingTask ReportLineageToAtlas ScriptedReportingTask SiteToSiteBulletinReportingTask SiteToSiteMetricsReportingTask SiteToSiteProvenanceReportingTask SiteToSiteStatusReportingTask StandardGangliaReporter
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AzureLogAnalyticsProvenanceReportingTask AzureLogAnalyticsReportingTask ControllerStatusReportingTask MonitorDiskUsage MonitorMemory QueryNiFiReportingTask	ReportLineageToAtlas ScriptedReportingTask SiteToSiteBulletinReportingTask SiteToSiteMetricsReportingTask SiteToSiteProvenanceReportingTask SiteToSiteStatusReportingTask
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Cloudera Data Flow runtime end of support

Learn about Cloudera Data Flow runtime end of support (EoS) for Apache NiFi.

Cloudera's standard end of support (EoS) policy for NiFi runtimes in Cloudera Data Flow provides support for new NiFi runtimes for 18 months before they are discontinued and removed from the product. The 18 month support period applies to all maintenance releases of a minor NiFi runtime release (For example, all NiFi 1.18.0.2.3.7.x runtime releases will have the same end of support date).

Table *Cloudera Data Flow Runtime end of support information* specifies the planned EoS policy schedule for NiFi. All future dates are provided for planning purposes only and are subject to change. In each case, the projected EoS date can be considered to be the last day of the month specified in the table.

Table 3: Cloudera Data Flow Runtime end of support information

Cloudera Flow Management Release	Release Date	EoS Date (Policy)	EoS Date (Effective)
1.18.0.2.3.7.0-100	December 2022	June 2024	September 2025
1.18.0.2.3.7.1-1	December 2022	June 2024	September 2025
1.18.0.2.3.7.3-1	January 2023	June 2024	September 2025
1.18.0.2.3.7.4-2	March 2023	June 2024	September 2025
1.18.0.2.3.7.5-1	March 2023	June 2024	September 2025
1.18.0.2.3.7.6-2	March 2023	June 2024	September 2025
1.18.0.2.3.7.7-1	March 2023	June 2024	September 2025

Cloudera Flow Management Release	Release Date	EoS Date (Policy)	EoS Date (Effective)
1.18.0.2.3.7.8-1	March 2023	June 2024	September 2025
1.20.0.2.3.8.2-2	April 2023	October 2024	September 2025
1.21.0.2.3.9.0-24	June 2023	November 2024	September 2025
1.21.0.2.3.9.2-3	June 2023	November 2024	September 2025
1.23.2.2.3.10.1-3	June 2023	December 2024	September 2025
1.23.2.2.3.11.0-9	January 2024	December 2024	September 2025
1.24.0.2.3.12.0-17	January 2024	July 2025	September 2025
1.24.0.2.3.12.1-1	February 2024	July 2025	September 2025
1.24.0.2.3.12.2-1	February 2024	July 2025	September 2025
1.24.0.2.3.12.3-1	June 2024	July 2025	September 2025
1.25.0.2.3.13.0-36	June 2024	December 2025	December 2025
1.25.0.2.3.13.1-1	June 2024	December 2025	December 2025
1.27.0.2.3.14.0-14	October 2024	April 2026	April 2026
1.28.1.2.3.15.0-29	April 2025	September 2027	September 2027
1.28.1.2.3.16.0-10	September 2025	September 2027	September 2027

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 Data Flow Functions

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

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