

## Support Matrix

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# CLOUdera

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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.

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### 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.