Cloudera Streaming Analytics 1.6.1

Support Matrix

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CLOUDERA

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Contents

System Requirements

Before installing Cloudera Streaming Analytics, you should verify that you meet the system requirements. Other than CDP Private Cloud Base, you should also check the latest supported version of the needed components.

For detailed information about the supported versions of CDP Private Cloud Base, operating systems and databases, see the Cloudera Support Matrix.

Apache Flink support	1.14	
Cloudera Runtime component support		
	CDP Private Cloud Base 7.1.6	CDP Private Cloud Base 7.1.7
Kafka[1]	2.5.0	2.5.0
Schema Registry	0.10.0	0.10.0
Streams Messaging Manager	2.1.0	2.1.0
HBase	2.2.3	2.2.3
HDFS	3.1.1	3.1.1
Atlas	2.1.0	2.1.0
Kudu	1.13.0	1.15.0
Hive	3.1.3	3.1.3

Connector support	
JDBC PostgreSQL	9.6-12
JDBC MySQL	5.7, 8
JDBC Hive	3.1.3
CDC PostgreSQL	9.6-12
CDC MySQL	5.7, 8
CDC Oracle	19.0.0
CDC Db2	11.5

Related Information
Cloudera Runtime component versions

Flink API Support

Cloudera Streaming Analytics (CSA) offers support for three fundamental layers of the Apache Flink API. You can use DataStream API, the ProcessFunction API and a selected subset of the SQL API to develop your Flink streaming applications.

From the DataStream and ProcessFunction APIs, the following are supported based on the support annotations provided by the Apache Flink community.

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[1] Connecting to Kafka that is running on remote CDH6 or HDP3 is also supported.

Stable (@Public)	Evolving (@PublicEvolving)
• DataStream API	• ProcessFunction • Stream Join • Interval Join • Stateful operators • FsStatebackend with HDFS • RocksDBStateBackend with HDFS

Note: CSA does not support batch processing (DataSet API).

Default ports for Flink and SSB

The following table lists the default ports and the corresponding property file names for Flink and SSB. The ports are set by default in Cloudera Manager. You can change the ports as required using the configuration properties.

Component	Service	Port	Configuration property
Flink	Flink Dashboard	18211	historyserver.web.port
SQL Stream Builder	Streaming SQL Engine	18121	server.port
	Materialized View Engine	18131	server.port
	Streaming SQL Console	18111	console.port
		18112	console.secure.port

For the default port list of the Cloudera Runtime components, see the Ports Used by Cloudera Runtime Components document.

Related Information

Ports Used by Cloudera Runtime Components