

Release Notes

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Contents

What`s new in Cloudera Streaming Analytics.....	4
Component support.....	4
Known issues and limitations.....	4
Unsupported features.....	4

What's new in Cloudera Streaming Analytics

Cloudera Streaming Analytics 1.1.0 covers the core streaming functionality of Apache Flink.

It introduces the following key features:

- Data sources reading from Kafka or HDFS
- Pipeline definitions using Java DataStream and ProcessFunction APIs
- Exactly-once processing
- Event-time semantics
- Data sinks writing to Kafka, HDFS and HBase

These features enable sophisticated end-to-end streaming pipelines. The scope will be extended gradually in upcoming CSA releases.

Component support

Learn more about which Apache Flink component version is supported in the Cloudera Streaming Analytics (CSA) releases.

CSA version	Component version
CSA 1.1.0	Apache Flink 1.9.1

Known issues and limitations

The following limitations apply to Cloudera Streaming Analytics:

- CSA only caters for data engineers and data architects. Cloudera is aware of the fact that Flink also has a growing BI analyst user base and we are actively exploring a solution to best satisfy their requirements in the future.
- There is no authorization in Flink service (beyond what YARN provides)
- There is no authentication (for example, SPNEGO) in Flink History Server
- HDFS Encryption at Rest is not tested in Flink yet

Unsupported features

The following features are not supported in Cloudera Streaming Analytics:

- Apache Flink batch (DataSet) API
- Complex Event Processing API
- StreamSQL API
- Table API
- Custom windowing functions
- Custom type serializers