

Cloudera Stream Processing 1.0.0

# Cloudera Stream Processing Release Notes

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# CLOUDERA

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## What's new in Cloudera Stream Processing

Cloudera Stream Processing (CSP) provides advanced messaging, stream processing and analytics capabilities powered by Apache Kafka as the core stream processing engine.

CSP is fully integrated with the enterprise platform services including Cloudera Manager (CM) for cluster management and monitoring, Apache Ranger or Sentry for role based authorization and a new Schema Registry service that provide governance and schema management capabilities.

CSP 1.0.0 consists of the following components and features:

- A Schema Registry parcel that provides a centralized registry to manage schema for Apache Kafka and NiFi
- Cloudera Distribution of Kafka (CDK) 4.1 with support for Apache Kafka 2.2.0
- Support for Kafka Streams
- Support for Kafka replication with Mirror Maker 1.0.0
- Cluster Management and monitoring with Cloudera Manager
- Rich CDH cluster access control with Apache Sentry

# Cloudera Stream Processing (CSP)

## Stream Processing

### Platform Services

**Cluster  
Monitoring/ Mgmt**

Cloudera  
Manager

**Security**

Sentry

**Sche**

Schema R

### Stream Messaging

cdk 4.1  
Parcel

**Apache Kafka 2.2**

Updated

**Apache Kafka DSL API**

**Apache Kafka Processor AP**

**Apache Kafka Streams**

## Component support

CSP 1.0.0 includes the following components.

- Schema Registry 0.7.0
- Cloudera Distribution of Kafka (CDK) 4.1 supporting Apache Kafka 2.2.0

## Known issues

Summary of known issues for this release.

CSP 1.0.0 has no known issues.

## Download locations

The Cloudera Stream Processing (CSP) software artifacts can be downloaded from the Cloudera Archive. To access the CSP artifacts, you must have an active subscription agreement and a license key file along with the required authentication credentials (username and password).

### Download instructions

The license key file and authentication credentials are provided in an email sent to customer accounts from Cloudera as part of the subscription fulfillment process.



**Important:** You must have your download credentials to access the CSP files in the <https://archive.cloudera.com/p/csp/> repository.

Your authentication credentials are not the same as the credentials you use to access the support portal.

In case you did not receive an email or do not have access to your authentication credentials, you can retrieve them in the following ways:

- Contact your Cloudera sales representative.
- File a non-technical case within the [Cloudera support portal](#) for our Support team to assist you.
- Use the CDP Private Cloud Credential Generator (requires a license key):
  1. Log in to the account associated with your license and subscription agreement on cloudera.com.
  2. Go to the [CDP Private Cloud Base Downloads](#) page.
  3. Click Download Now.
  4. Enter the text of the “PGP Signed Message” within your license key in the Generate Credentials text box.
  5. Click Generate Credentials.

The Credential Generator returns your username and password.

After you have obtained your credentials, you can use them to access the software artifacts on the Cloudera Archive.

### Download locations

You can directly click the links provided in the following tables and provide your credentials through a browser prompt.

**Table 1: CSD files**

File	Location
Schema Registry	<a href="https://archive.cloudera.com/p/csp/1.0.0.0/csd/SCHEMAREGISTRY-0.7.0.jar">https://archive.cloudera.com/p/csp/1.0.0.0/csd/SCHEMAREGISTRY-0.7.0.jar</a>

**Table 2: Manifest file**

File	Location
CSD Manifest	<a href="https://archive.cloudera.com/p/csp/1.0.0.0/parcels/manifest.json">https://archive.cloudera.com/p/csp/1.0.0.0/parcels/manifest.json</a>

**Table 3: Centos OS parcel files**

File	Location
Schema Registry parcel file	<a href="https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-el7.parcel">https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-el7.parcel</a>
Schema Registry parcel sha file	<a href="https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-el7.parcel.sha">https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-el7.parcel.sha</a>

**Table 4: SLES 12 parcel files**

File	Location
Schema Registry parcel file	<a href="https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-sles12.parcel">https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-sles12.parcel</a>
Schema Registry parcel sha file	<a href="https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-sles12.parcel.sha">https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-sles12.parcel.sha</a>

**Table 5: Ubuntu 16 parcel files**

File	Location
Schema Registry parcel file	<a href="https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-xenial.parcel">https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-xenial.parcel</a>
Schema Registry parcel sha file	<a href="https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-xenial.parcel.sha">https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-xenial.parcel.sha</a>

**Table 6: Ubuntu 14 parcel files**

File	Location
Schema Registry parcel file	<a href="https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-trusty.parcel">https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-trusty.parcel</a>
Schema Registry parcel sha file	<a href="https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-trusty.parcel.sha">https://archive.cloudera.com/p/csp/1.0.0.0/parcels/SCHEMAREGISTRY-0.7.0.1.0.0.0-11-trusty.parcel.sha</a>