Support   Developers

Contact Us   Downloads

Search

COMMUNITY | DOCUMENTATION | DOWNLOADS | TRAINING | BLOGS

Hadoop & Big Data

Our Customers

FAQs

Blog

Accumulo (1)

Avro (17)

Bigtop (6)

Books (12)

Careers (14)

CDH (152)

Cloud (21)

Cloudera Labs (6)

Cloudera Life (6)

Cloudera Manager (75)

Community (212)

Data Ingestion (21)

Data Science (35)

Events (50)

Flume (22)

General (334)

Graph Processing (3)

Guest (103)

Hadoop (334)

Hardware (6)

HBase (140)

HDFS (52)

Hive (72)

How-to (84)

Hue (35)

Impala (85)

Kafka (8)

Kite SDK (17)

Mahout (5)

MapReduce (74)

Meet The Engineer (22)

Cloudera Enterprise 5.4 is Released

by Justin Kestelyn (@kestelyn)   April 23, 2015   **2 comments**

We're pleased to announce the release of Cloudera Enterprise 5.4 (comprising CDH 5.4, Cloudera Manager 5.4, and Cloudera Navigator 2.3).

Cloudera Enterprise 5.4 (**Release Notes**) reflects critical investments in a production-ready customer experience through governance, security, performance and deployment flexibility in cloud environments. It also includes support for a significant number of updated open standard components–including Apache Spark 1.3, Impala 2.2, and Apache HBase 1.0 (as well as unsupported beta releases of Hive-on-Spark data processing and OpenStack deployments).

Recently Cloudera made the upgrade process considerably easier via an improved CDH upgrade wizard; see details about that wizard **here** and best practices **here**. (Note: Due to metadata format changes in Apache Hadoop 2.6, upgrading to CDH 5.4.0 and later from any earlier release requires an HDFS metadata upgrade, as well. Note also that for parcel-based installations of CDH 5.4, Cloudera Manager 5.4 is required.)

Here are some of the highlights (incomplete; see the respective Release Notes for **CDH**, **Cloudera Manager**, and **Cloudera Navigator** for full lists of features and fixes):

Security

- SSL and Kerberos support in Apache Flume for the Thrift source and sink.
- SSL support across Cloudera Search (Solr and all integrations with CDH).
- Cluster-wide redaction of sensitive data in logs is now possible.
- HBase impersonation in Hue allows your client to authenticate to HBase as any user, and to re-authenticate at any time.
- Solr metadata stored in ZooKeeper can now be protected by ZooKeeper ACLs.
- Kerberos is now supported for Apache Sqoop2.

Performance

- Includes beta release of Hive-on-Spark as an option for improved Hive data processing performance (unsupported).
- MultiWAL support for HBase RegionServers allows you to increase throughput when a region writes to the write-ahead log (WAL).
- You can now store medium-sized objects (MOBs) up to 10MB in size directly in HBase while maintaining read and write performance.
- A new Kafka connector for Spark Streaming avoids the need for the HDFS WAL.
- Hue pages render much faster.

Data Management and Governance

- Expanded coverage in Cloudera Navigator
  - Impala (CDH 5.4 and higher) lineage
  - Cloudera Search (CDH 5.4 and higher) auditing
  - Auditing of Navigator activity, such as audit views, metadata searches, and policy editing
  - Avro and Parquet schema inference
- Platform enhancements
  - Redesigned metadata search provides autocomplete, faster filtering, and saved searches
  - SAML for single sign-on

Cloud Deployments

- OpenStack deployments are now possible as an unsupported beta.
- HBase support on Microsoft Azure.

Real-Time Architecture

- Cloudera Distribution of Apache Kafka 1.3 installs by default and is supported for production use.
- Spark Streaming now has a receiver-less "direct" connector for Kafka.

New or Updated Open Source Components

- Apache Hadoop 2.6
- Apache HBase 1.0
- Apache Hive 1.1
- Apache Oozie 4.1
- Apache Solr 4.10.3
- Apache Spark 1.3

- Cloudera Distribution of Apache Kafka 1.3

- Hue 3.7

- Impala 2.2

- Kite SDK 1.0

New/Updated OS & Java Support

- RHEL 6.6/CentOS 6.6/OEL 6.6 (UEK3)

- JDK8u40, JDK7u75

Over the next few weeks, we'll publish blog posts that cover some of these features in detail. In the meantime:

- **Download Cloudera Enterprise 5.4**

- **Explore documentation**

As always, we value your feedback; please provide any comments and suggestions through our **community forums**. You can also file bugs via **issues.cloudera.org**.

Filed under:

CDH

Cloud

Cloudera Manager

2 Responses

DENIS / APRIL 27, 2015 / 8:25 AM

Hi,

Can you please update Impala roadmap?

Thanks

JUSTIN KESTELYN (@KESTELYN) / APRIL 27, 2015 / 9:40 AM

We'll be doing that shortly.

Leave a comment

Name REQUIRED

Email REQUIRED
(WILL NOT BE PUBLISHED)

Website

Comment

Leave Comment

Prove you're human! *

six + [   ] = 11

Products   Solutions   Partners   About

English ▲▼

Cloudera Enterprise
Cloudera Express
Cloudera Manager
CDH
All Downloads
Professional Services
Training

Enterprise Solutions
Partner Solutions
Industry Solutions

Resource Library
Support

Hadoop & Big Data
Management Team
Board
Events
Press Center
Careers
Contact Us
Subscription Center

Follow us:

Share:

Cloudera, Inc.
1001 Page Mill Road Bldg 2
Palo Alto, CA 94304

www.cloudera.com
US: 1-888-789-1488
Intl: 1-650-362-0488