CDE In-place Upgrades (Preview)

Date published: 2022-07-20
Date modified: 2022-07-20
Legal Notice

© Cloudera Inc. 2022. All rights reserved.

The documentation is and contains Cloudera proprietary information protected by copyright and other intellectual property rights. No license under copyright or any other intellectual property right is granted herein.

Copyright information for Cloudera software may be found within the documentation accompanying each component in a particular release.

Cloudera software includes software from various open source or other third party projects, and may be released under the Apache Software License 2.0 (“ASLv2”), the Affero General Public License version 3 (AGPLv3), or other license terms.

Other software included may be released under the terms of alternative open source licenses. Please review the license and notice files accompanying the software for additional licensing information.

Please visit the Cloudera software product page for more information on Cloudera software. For more information on Cloudera support services, please visit either the Support or Sales page. Feel free to contact us directly to discuss your specific needs.

Cloudera reserves the right to change any products at any time, and without notice. Cloudera assumes no responsibility nor liability arising from the use of products, except as expressly agreed to in writing by Cloudera.

Cloudera, Cloudera Altus, HUE, Impala, Cloudera Impala, and other Cloudera marks are registered or unregistered trademarks in the United States and other countries. All other trademarks are the property of their respective owners.

Disclaimer: EXCEPT AS EXPRESSLY PROVIDED IN A WRITTEN AGREEMENT WITH CLOUDERA, CLOUDERA DOES NOT MAKE NOR GIVE ANY REPRESENTATION, WARRANTY, NOR COVENANT OF ANY KIND, WHETHER EXPRESS OR IMPLIED, IN CONNECTION WITH CLOUDERA TECHNOLOGY OR RELATED SUPPORT PROVIDED IN CONNECTION THEREWITH. CLOUDERA DOES NOT WARRANT THAT CLOUDERA PRODUCTS NOR SOFTWARE WILL OPERATE UNINTERRUPTED NOR THAT IT WILL BE FREE FROM DEFECTS NOR ERRORS, THAT IT WILL PROTECT YOUR DATA FROM LOSS, CORRUPTION NOR UNAVAILABILITY, NOR THAT IT WILL MEET ALL OF CUSTOMER’S BUSINESS REQUIREMENTS. WITHOUT LIMITING THE FOREGOING, AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, CLOUDERA EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, QUALITY, NON-INFRINGEMENT, TITLE, AND FITNESS FOR A PARTICULAR PURPOSE AND ANY REPRESENTATION, WARRANTY, OR COVENANT BASED ON COURSE OF DEALING OR USAGE IN TRADE.

This document has been released as part of a technical preview for features described herein. Technical preview components are provided as a convenience to our customers for their evaluation and trial usage. These components are provided ‘as is’ without warranty or support. Further, Cloudera assumes no liability for the usage of technical preview components, which should be used by customers at their own risk.
This document has been released as part of a technical preview for features described herein. Technical preview components are provided as a convenience to our customers for their evaluation and trial usage. These components are provided 'as is' without warranty or support. Further, Cloudera assumes no liability for the usage of technical preview components, which should be used by customers at their own risk.
CDE in-place upgrades overview

Cloudera Data Engineering (CDE) supports in-place upgrades on both AWS and Azure. You can upgrade from the previous CDE release to the latest release. The upgrades can be triggered by an Admin from the CDE user interface.

Important:
Before you begin the in-place upgrade you must:
- Pause all airflow schedules and stop all Spark jobs running in the service.
- Backup all jobs running in the service.

Note: CDE currently supports upgrades from CDE 1.14.

CDE in-place upgrades include the following features:
- Upgrade retries: in-built and user initiated.
- Upgrade logs for the CDE service and Virtual Cluster initiate, success, and failed events.

How to

Important: This is a technical preview feature that is behind an entitlement, reach out to your Cloudera representative to enable this feature.

Steps
1. On CDE Control Plane UI listing all CDE services, click Upgrade, which may show up for one or more of the CDE Services, as shown in the below screenshot.

Note: An Upgrade option is displayed if only there is an upgrade available for a particular CDE Service.
An Upgrade CDE Service cldr-service dialog box appears.

2. Confirm that you have paused all airflow schedules and stopped all spark jobs, and have backed up all jobs running in the service you wish to upgrade as shown in the figure below.

For more information, see Backing up Cloudera Data Engineering jobs

3. Click Upgrade CDE Service.
   The process may take several minutes to complete.

4. Click the View Upgrade Events link on the CDE Service tile while the upgrade is in progress to get the logs of upgrade events (CDE service and Virtual Cluster initiate, success, and failed events).

5. CDE provides a built-in retry mechanism in the event of an upgrade failure (which is indicated in the CDE Service status). You can also trigger a manual retry by clicking on Upgrade if the built-in retry times out or fails.