

Cloudera Runtime 1.0.0

Configuring Apache Hive

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CLOUDERA

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Configuring Hive in Cloudera Data Warehouse

Configuring Hive performance in the Cloud is rarely, if ever, required relative to the extensive performance tuning typical in a bare metal environment. You might occasionally want to configure Hive properties unrelated to performance, such as HiveServer (HS2) administration or logging level properties.

About this task

Changing one of the vast array of configuration parameters from Cloudera Data Warehouse is recommended only when following Cloudera instructions. For example, you follow instructions in a compaction alert or the product documentation that describes the property and value to change, and how to do it.

In Cloudera Data Warehouse, if you have required permissions, you can configure Hive, Hive metastore, or HiveServer properties from a Database Catalog or Virtual Warehouse. In this task, you see how to change a property and add a property from the Database Catalog, and then from a Virtual Warehouse.

Before you begin

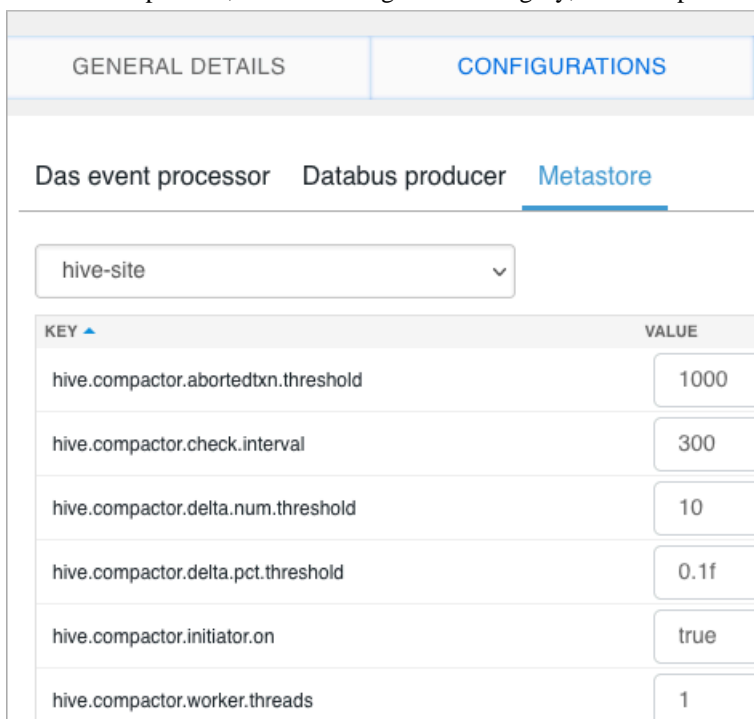
- You have the appropriate Admin role to make the configuration change.

Procedure

1.

Click  CDW Overview options  Edit Configurations Metastore .

2. From the drop-down, select a configuration category, for example hive-site.



| GENERAL DETAILS | CONFIGURATIONS |
|---|----------------|
| Das event processor Databus producer <u>Metastore</u> | |
| hive-site | |
| KEY | VALUE |
| hive.compactor.abortedtxn.threshold | 1000 |
| hive.compactor.check.interval | 300 |
| hive.compactor.delta.num.threshold | 10 |
| hive.compactor.delta.pct.threshold | 0.1f |
| hive.compactor.initiator.on | true |
| hive.compactor.worker.threads | 1 |

3. Change, or set, the property value.

- Click + to add a property to hive-site, for example.

Add Custom Configurations

Single and double quotes are not supported yet
Enter key values delimited by =
Comma separated for multiple values

CLOSE

ADD

- Enter the name of the property you want to add, the equals symbol, and one or more comma-separated values.
Do not use single or double quotation marks to enclose the property or value.
- Click Add.
- Save, and restart the Database Catalog.
- Click Virtual Warehouses, and select a Hive Virtual Warehouse.
- Click Actions Edit Metastore HiveServer2 .

SIZING AND SCALING

CONFIGURATIONS

Das webapp

Hiveserver2

Hue

Query coordinator

hadoop-mapred-site

10. Search for a specific property, or view categories of properties by selecting a category in the dropdown.

The screenshot shows the 'CONFIGURATIONS' tab in the Cloudera Data Warehouse interface. A dropdown menu is open, displaying a list of property categories. The category 'hive-kerberos-config' is selected and highlighted with a blue background and a checkmark. The list includes the following categories: hive-site, hive-site-standalone-compute, hadoop-mapred-site, hive-log4j2, hive-beeline-log4j2, hive-kerberos-config, hive-atlas-config, tez-site, hive-llap-log4j2, hive-llap-log4j2-standalone-compute, hive-ranger-security, hive-ranger-audit, hive-ranger-policymgr, hadoop-core-site, hadoop-core-site-default-warehouse, and hive.auto.convert.sortmerge.join. In the background, a table is visible with columns for property names and values. The table has a header row with 'VALUE' and a search bar labeled 'Search Keys'. The table contains several rows of configuration data, including 'true', '1431655765', and 'true'.

| PROPERTY | VALUE |
|-------------------------------------|------------|
| hive-site | true |
| hive-site-standalone-compute | true |
| hadoop-mapred-site | 1431655765 |
| hive-log4j2 | true |
| hive-beeline-log4j2 | true |
| hive-kerberos-config | true |
| hive-atlas-config | true |
| tez-site | true |
| hive-llap-log4j2 | 1431655765 |
| hive-llap-log4j2-standalone-compute | true |
| hive-ranger-security | 1431655765 |
| hive-ranger-audit | 1431655765 |
| hive-ranger-policymgr | 1431655765 |
| hadoop-core-site | 1431655765 |
| hadoop-core-site-default-warehouse | 1431655765 |
| hive.auto.convert.sortmerge.join | true |