Cloudera Operational Database ..

Accessing Data

Date published: 2020-08-14 Date modified: 2023-01-12



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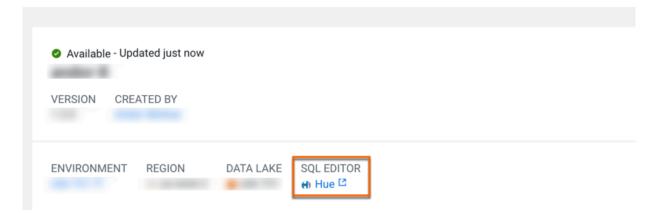
Accessing Hue from COD

Hue is a web-based interactive SQL editor that enables you to interact with data stored in Cloudera Operational Database (COD). You can access the Hue user interface from the COD web user interface to create and browse HBase tables.

Procedure

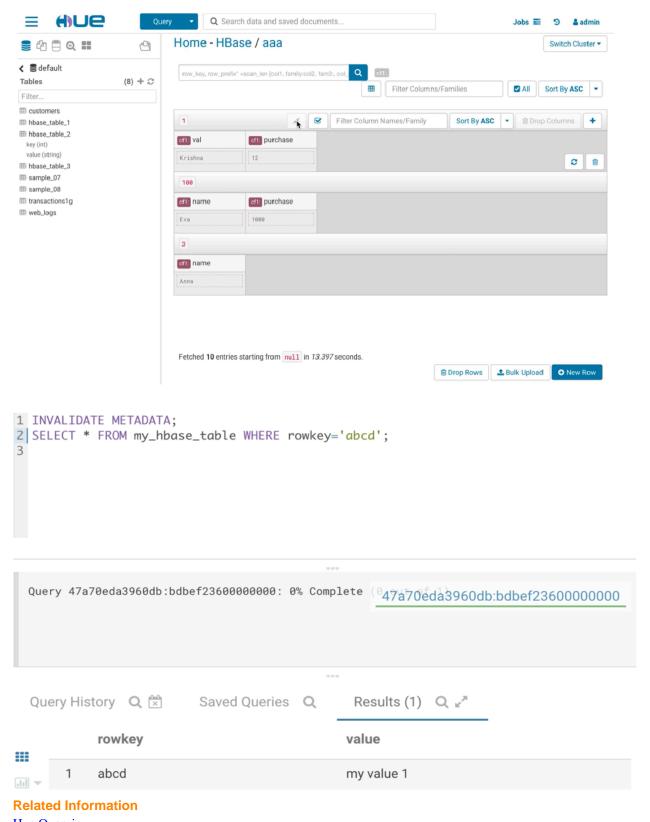
- 1. Click Databases, and then select a database from the list.
- 2. Click Hue.

Databases /



Example

You can use Hue to quickly browse large tables, create new tables, add data, modify existing cells, and also filter data using the auto-complete search.



Hue Overview

Using Hue

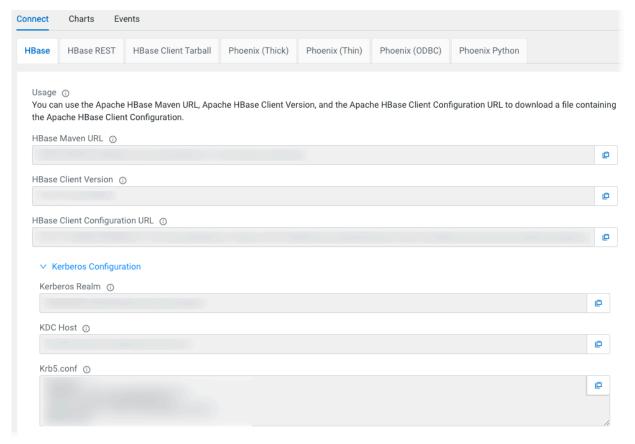
Use the Hue HBase app

Accessing HBase REST API from COD

You can use the Apache HBase REST server to interact with Cloudera Operational Database (COD). Interactions happen using URLs and the REST API. REST uses HTTP to perform various actions, and this makes it easy to interface with COD using a wide range of programming languages.

Procedure

- 1. Click Databases, and then select a database from the list.
- 2. Click Connect HBase REST.
- **3.** From the HBase REST Server URL field, copy the URL to the HBase REST Server to connect to the selected database.



What to do next

Use the HBase REST API to interact with the HBase services, tables, and regions using HTTP endpoints. You can create tables, delete tables, and perform other operations that have the REST endpoints. For more information, see *Using the HBase REST API* using the link in the related information section.

Related Information

Use the HBase REST server Using the REST API

Accessing SQLLine from COD

SQLLine is a command-line utility included with Cloudera Operational Database (COD) that enables you to connect and execute SQL commands using Phoenix from an edge node.

Procedure

1. Download the client JAR files for your thick or thin clients using this URL syntax.

You can get the [***Phoenix Maven URL***], [***Phoenix_(Thin)_Client_Version***], and the [***Phoenix_(Thick)_Client_Version***] information from the Database connectivity page. The URL is in the following format:

URL for the Phoenix thick client in Cloudera Runtime 7.2.9 (environment) and higher:

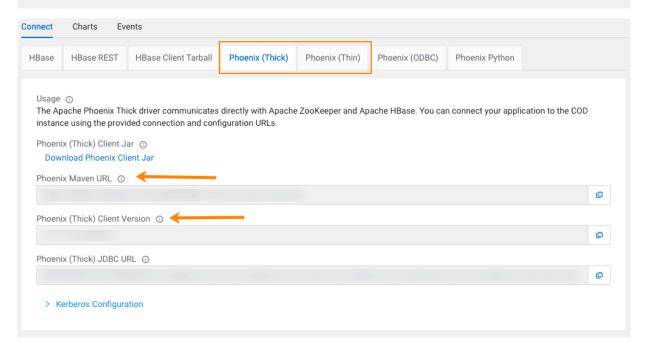
```
[***Phoenix MAVEN URL***]/org/apache/phoenix/phoenix-client-hbase-2.2/
[***Phoenix THICK CLIENT VERSION***]/phoenix-client-hbase-2.2-[***Phoenix THICK CLIENT VERSION***].jar
```

URL for the Phoenix thick client in Cloudera Runtime 7.2.8 (environment) and lower:

```
[***Phoenix MAVEN URL***]/org/apache/phoenix/phoenix-client/
[***Phoenix THICK CLIENT VERSION***]/phoenix-client-[***Phoenix THICK
CLIENT VERSION***].jar
```

For the Phoenix thin client:

[***Phoenix MAVEN URL***]/org/apache/phoenix/phoenix-queryserver-client/ [***Phoenix THIN CLIENT VERSION***]/phoenix-queryserver-client-[***Phoenix THIN CLIENT VERSION***].jar



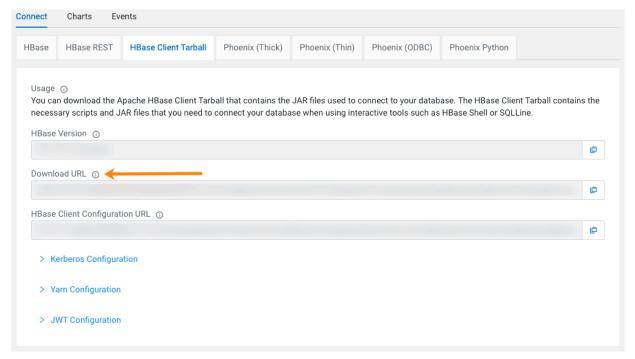
You can use Maven to download the Phoenix client JAR files. If you only need the JAR files for SQLLine connection, you can use the curl tool to download the JAR files using the following command:

```
curl -L -f -o "phoenix-client.jar" "[***PHOENIX CLIENT JAR FILE URL***]"
```

2. From the Databases page, download HBase client configuration Zip file using the client configuration URL.



Note: You cannot download the client configuration file using a web browser. You must copy and paste the HBase client configuration URL to your CLI to download this file. For example, curl -f -o "hbase-co nfig.zip" -u "csso_[***username***]" "https://[***download url***]".



- **3.** From the Databases page, copy the JDBC connection URL for the Phoenix (Thick) or Phoenix (Thin) client to use in the next step.
- **4.** Run this command from your CLI:

```
java $PHOENIX_OPTS -cp "[***HBase-CONFIGURATION***]:[***PHOENIX-CLIENT-
JAR**]]"
sqlline.SqlLine -d org.apache.phoenix.jdbc.PhoenixDriver -u
[***JDBC-CONNECTION-URL***] -n none -p none --color=true --fastConnect=
false
--verbose=true --incremental=false --isolation=TRANSACTION_READ_COMMITTED
```

Related Information

SQLLine Command Reference