Пример команды для нашего кластера:

|  |
| --- |
| beeline -u "jdbc:hive2://dl-cdh-host-oukk.labiac.df.sbrf.ru:10000/td14\_prd3\_1\_016\_db\_dwh;principal=hive/dl-cdh-host-oukk.labiac.df.sbrf.ru@DF.SBRF.RU" "show databases" |

Запуск команды с файлом:

|  |
| --- |
| beeline -u "jdbc:hive2://dl-cdh-host-oukk.labiac.df.sbrf.ru:10000/td14\_prd3\_1\_016\_db\_dwh;principal=hive/dl-cdh-host-oukk.labiac.df.sbrf.ru@DF.SBRF.RU" -f file.hql |

Если для вашей ТУЗ существует выделенная ресурсная очередь в YARN, то вы можете направить исполнение запросов beeline в эту очередь с помощью ключа --hiveconf [mapred.job.queue.name](http://mapred.job.queue.name). В примере написано имя очереди root.demo, замените его на имя выделенной для вашей ТУЗ очереди:

|  |
| --- |
| beeline --hiveconf mapred.job.queue.name="root.demo" -u "jdbc:hive2://dl-cdh-host-oukk.labiac.df.sbrf.ru:10000/td14\_prd3\_1\_016\_db\_dwh;principal=hive/dl-cdh-host-oukk.labiac.df.sbrf.ru@DF.SBRF.RU" |

Чтобы подключиться для выполнения произвольных запросов, также с движком Spark.

beeline --hiveconf hive.execution.engine=spark -u'jdbc:hive2://februs7.lab.df.sbrf.ru:10000/default;principal=hive/februs7.lab.df.sbrf.ru@df.sbrf.ru'

Запуск beeline

#!/bin/bash

kdestroy

echo "\*\*\*\*" | kinit

beeline --hiveconf hive.execution.engine=spark -u "jdbc:hive2://adress.ru:10000/default;principal=hive/adress" -e "drop table u\_ilina5\_mv.dont\_del2;create table u\_ilina5\_mv.dont\_del2 as select \* from u\_ilina5\_mv.sbx\_deload\_tb;"

Внутри beeline действуют те же команды, что в HUE/Hive, только отрабатывают значительно быстрее. Не забывайте завершать команды точкой с запятой.

Закрыть beeline - Ctrl + C

# Beeline Command Options

The Beeline CLI supports these command line options:

|  |  |
| --- | --- |
| **Option** | **Description** |
| **-u***<database URL>* | The JDBC URL to connect to. Special characters in parameter values should be encoded with URL encoding if needed.  Usage: beeline -u *db\_URL* |
| **-r** | [Reconnect](https://cwiki.apache.org/confluence/pages/viewpage.action?pageId=82903124#HiveServer2Clients-Reconnecting) to last used URL (if a user has previously used !connect to a URL and used !save to a beeline.properties file).  Usage: beeline -r  Version: 2.1.0 ([HIVE-13670](https://issues.apache.org/jira/browse/HIVE-13670)) |
| **-n***<username>* | The username to connect as.  Usage: beeline -n *valid\_user* |
| **-p***<password>* | The password to connect as.  Usage: beeline -p *valid\_password*  Optional password mode:  Starting Hive 2.2.0 ([HIVE-13589](https://issues.apache.org/jira/browse/HIVE-13589)) the argument for -p option is optional.  Usage : beeline -p [valid\_password]  If the password is not provided after -p Beeline will prompt for the password while initiating the connection. When password is provided Beeline uses it initiate the connection without prompting. |
| **-d***<driver class>* | The driver class to use.  Usage: beeline -d *driver\_class* |
| **-e***<query>* | Query that should be executed. Double or single quotes enclose the query string. This option can be specified multiple times.  Usage: beeline -e "*query\_string*"  Support to run multiple SQL statements separated by semicolons in a single *query\_string*: 1.2.0 ([HIVE-9877](https://issues.apache.org/jira/browse/HIVE-9877)) Bug fix (null pointer exception): 0.13.0 ([HIVE-5765](https://issues.apache.org/jira/browse/HIVE-5765)) Bug fix (--headerInterval not honored): 0.14.0 ([HIVE-7647](https://issues.apache.org/jira/browse/HIVE-7647)) Bug fix (running -e in background): 1.3.0 and 2.0.0 ([HIVE-6758](https://issues.apache.org/jira/browse/HIVE-6758)); [workaround available](https://issues.apache.org/jira/browse/HIVE-6758?focusedCommentId=13954968&page=com.atlassian.jira.plugin.system.issuetabpanels:comment-tabpanel#comment-13954968) for earlier versions |
| **-f***<file>* | Script file that should be executed.  Usage: beeline -f *filepath*  Version: 0.12.0 ([HIVE-4268](https://issues.apache.org/jira/browse/HIVE-4268)) Note: If the script contains tabs, query compilation fails in version 0.12.0. This bug is fixed in version 0.13.0 ([HIVE-6359](https://issues.apache.org/jira/browse/HIVE-6359)). Bug fix (running -f in background): 1.3.0 and 2.0.0 ([HIVE-6758](https://issues.apache.org/jira/browse/HIVE-6758)); [workaround available](https://issues.apache.org/jira/browse/HIVE-6758?focusedCommentId=13954968&page=com.atlassian.jira.plugin.system.issuetabpanels:comment-tabpanel#comment-13954968) for earlier versions |
| **-i** (or) **--init** <file or files> | The init files for initialization  Usage: beeline -i */tmp/initfile*  Single file:  Version: 0.14.0 ([HIVE-6561](https://issues.apache.org/jira/browse/HIVE-6561))  Multiple files:  Version: 2.1.0 ([HIVE-11336](https://issues.apache.org/jira/browse/HIVE-11336)) |
| **-w** (or) **--password-file** <password file> | The password file to read password from.  Version: 1.2.0 ([HIVE-7175](https://issues.apache.org/jira/browse/HIVE-7175)) |
| **-a** (or) **--authType** <auth type> | The authentication type passed to the jdbc as an auth property  Version: 0.13.0 ([HIVE-5155](https://issues.apache.org/jira/browse/HIVE-5155)) |
| **--property-file** <file> | File to read configuration properties from  Usage: beeline --property-file */tmp/a*  Version: 2.2.0 ([HIVE-13964](https://issues.apache.org/jira/browse/HIVE-13964)) |
| **--hiveconf***property****=****value* | Use *value* for the given configuration property. Properties that are listed in hive.conf.restricted.list cannot be reset with **hiveconf** (see [Restricted List and Whitelist](https://cwiki.apache.org/confluence/display/Hive/Configuration+Properties#ConfigurationProperties-RestrictedListandWhitelist)).  Usage: beeline --hiveconf *prop1*=*value1*  Version: 0.13.0 ([HIVE-6173](https://issues.apache.org/jira/browse/HIVE-6173)) |
| **--hivevar***name****=****value* | Hive variable name and value. This is a Hive-specific setting in which variables can be set at the session level and referenced in Hive commands or queries.  Usage: beeline --hivevar *var1*=*value1* |
| **--color=**[true/false] | Control whether color is used for display. Default is false.  Usage: beeline --color=true  (Not supported for Separated-Value Output formats. See [HIVE-9770](https://issues.apache.org/jira/browse/HIVE-9770)) |
| **--showHeader=**[true/false] | Show column names in query results (true) or not (false). Default is true.  Usage: beeline --showHeader=false |
| **--headerInterval=**ROWS | The interval for redisplaying column headers, in number of rows, when **outputformat** is table. Default is 100.  Usage: beeline --headerInterval=50  (Not supported for Separated-Value Output formats. See [HIVE-9770](https://issues.apache.org/jira/browse/HIVE-9770)) |
| **--fastConnect=**[true/false] | When connecting, skip building a list of all tables and columns for tab-completion of HiveQL statements (true) or build the list (false). Default is true.  Usage: beeline --fastConnect=false |
| **--autoCommit=**[true/false] | Enable/disable automatic transaction commit. Default is false.  Usage: beeline --autoCommit=true |
| **--verbose=**[true/false] | Show verbose error messages and debug information (true) or do not show (false). Default is false.  Usage: beeline --verbose=true |
| **--showWarnings=**[true/false] | Display warnings that are reported on the connection after issuing any HiveQL commands. Default is false.  Usage: beeline --showWarnings=true |
| **--showDbInPrompt=**[true/false] | Display the current database name in prompt. Default is false.  Usage: beeline --showDbInPrompt=true  Version: 2.2.0 ([HIVE-14123](https://issues.apache.org/jira/browse/HIVE-14123)) |
| **--showNestedErrs=**[true/false] | Display nested errors. Default is false.  Usage: beeline --showNestedErrs=true |
| **--numberFormat=**[pattern] | Format numbers using a [DecimalFormat](http://docs.oracle.com/javase/7/docs/api/java/text/DecimalFormat.html) pattern.  Usage: beeline --numberFormat="#,###,##0.00" |
| **--force=**[true/false] | Continue running script even after errors (true) or do not continue (false). Default is false.  Usage: beeline--force=true |
| **--maxWidth=**MAXWIDTH | The maximum width to display before truncating data, in characters, when**outputformat** is table. Default is to query the terminal for current width, then fall back to 80.  Usage: beeline --maxWidth=150 |
| **--maxColumnWidth=**MAXCOLWIDTH | The maximum column width, in characters, when **outputformat** is table. Default is 50 in Hive version 2.2.0+ (see [HIVE-14135](https://issues.apache.org/jira/browse/HIVE-14135)) or 15 in earlier versions.  Usage: beeline --maxColumnWidth=25 |
| **--silent=**[true/false] | Reduce the amount of informational messages displayed (true) or not (false). It also stops displaying the log messages for the query from HiveServer2 ([Hive 0.14](https://issues.apache.org/jira/browse/HIVE-7615)and later) and the HiveQL commands ([Hive 1.2.0](https://issues.apache.org/jira/browse/HIVE-10202) and later). Default is false.  Usage: beeline --silent=true |
| **--autosave=**[true/false] | Automatically save preferences (true) or do not autosave (false). Default is false.  Usage: beeline --autosave=true |
| **--outputformat=**[table/vertical/csv/tsv/dsv/csv2/tsv2] | Format mode for result display. Default is table. See [HiveServer2 Clients#Separated-Value Output Formats](https://cwiki.apache.org/confluence/pages/viewpage.action?pageId=82903124#HiveServer2Clients-Separated-ValueOutputFormats) below for description of recommended sv options.  Usage: beeline --outputformat=tsv  Version: dsv/csv2/tsv2 added in 0.14.0 ([HIVE-8615](https://issues.apache.org/jira/browse/HIVE-8615)) |
| **--truncateTable**=[true/false] | If true, truncates table column in the console when it exceeds console length.  Version: 0.14.0 ([HIVE-6928](https://issues.apache.org/jira/browse/HIVE-6928)) |
| **--delimiterForDSV=** DELIMITER | The delimiter for delimiter-separated values output format. Default is '|' character.  Version: 0.14.0 ([HIVE-7390](https://issues.apache.org/jira/browse/HIVE-7390)) |
| **--isolation=**LEVEL | Set the transaction isolation level to TRANSACTION\_READ\_COMMITTED  or TRANSACTION\_SERIALIZABLE.  See the "Field Detail" section in the Java [Connection](http://docs.oracle.com/javase/7/docs/api/java/sql/Connection.html) documentation.  Usage: beeline --isolation=TRANSACTION\_SERIALIZABLE |
| **--nullemptystring=**[true/false] | Use historic behavior of printing null as empty string (true) or use current behavior of printing null as NULL (false). Default is false.  Usage: beeline --nullemptystring=false  Version: 0.13.0 ([HIVE-4485](https://issues.apache.org/jira/browse/HIVE-4485)) |
| **--incremental=**[true/false] | Defaults to true from Hive 2.3 onwards, before it defaulted to false. When set to false, the entire result set is fetched and buffered before being displayed, yielding optimal display column sizing. When set to true, result rows are displayed immediately as they are fetched, yielding lower latency and memory usage at the price of extra display column padding. Setting --incremental=true is recommended if you encounter an OutOfMemory on the client side (due to the fetched result set size being large). |
| **--incrementalBufferRows=**NUMROWS | The number of rows to buffer when printing rows on stdout, defaults to 1000; only applicable if --incremental=true and --outputformat=table  Usage: beeline --incrementalBufferRows=1000  Version: 2.3.0 ([HIVE-14170](https://issues.apache.org/jira/browse/HIVE-14170)) |
| **--maxHistoryRows=**NUMROWS | The maximum number of rows to store Beeline history.  Version: 2.3.0 ([HIVE-15166](https://issues.apache.org/jira/browse/HIVE-15166)) |
| **--delimiter=**; | Set the delimiter for queries written in Beeline. Multi-char delimiters are allowed, but quotation marks, slashes, and -- are not allowed. Defaults to ;  Usage: beeline --delimiter=$$  Version: 3.0.0 ([HIVE-10865](https://issues.apache.org/jira/browse/HIVE-10865)) |
| **--convertBinaryArrayToString=**[true/false] | Display binary column data as a string using the platform's default character set.  The default behavior (false) is to display binary data using: Arrays.toString(byte[] columnValue)  Version: 3.0.0 ([HIVE-14786](https://issues.apache.org/jira/browse/HIVE-14786))  Display binary column data as a string using the UTF-8 character set.  The default behavior (false) is to display binary data using Base64 encoding without padding.  Version: 4.0.0 ([HIVE-2](https://issues.apache.org/jira/browse/HIVE-14786)[3856](https://issues.apache.org/jira/browse/HIVE-23856))  Usage: beeline --convertBinaryArrayToString=true |
| **--help** | Display a usage message.  Usage: beeline --help |