Hewlett Packard Enterprise

SMOKE TEST DOCUMENT

MySQL Smoke Test Cases

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Hewlett Packard Enterprise

Document Information

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1 TESTING BASIC FUNCTIONALITY OF HBASE

1.1 Connecting to MySQL server

 Run below command in bin path of mysql to get connect to MySQL server

./mysql

Once you are connected to the MySQL server, a welcome message is displayed and the mysql> prompt appears, at which SQL statements are to be sent to the server for execution

```
[root@bluedata-2206 bin]# ./mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.6.45 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

1.2 Show database

Execute the below command to show the existing databases

SHOW DATABASES;

```
mysql> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
+--------------------+
3 rows in set (0.00 sec)
```

1.3 Create database

Execute the below command to create a database

CREATE DATABASE pets;

```
mysql> CREATE DATABASE pets;
Query OK, 1 row affected (0.00 sec)
```

1.4 Use database

Execute the below command to use the created database

USE pets

```
mysql> USE pets
Database changed
```

1.5 Create table

Execute the below command to create table

CREATE TABLE cats

```
(
 id          INT unsigned NOT NULL AUTO_INCREMENT, # Unique ID for the record
 name        VARCHAR(150) NOT NULL,             # Name of the cat
 owner       VARCHAR(150) NOT NULL,             # Owner of the cat
 birth       DATE NOT NULL,               # Birthday of the cat
 PRIMARY KEY     (id)                     # Make the id the primary key
);
```

```
mysql>
mysql> CREATE TABLE cats
    -> (
    ->   id              INT unsigned NOT NULL AUTO_INCREMENT, # Unique ID for the record
    ->   name            VARCHAR(150) NOT NULL,                # Name of the cat
    ->   owner           VARCHAR(150) NOT NULL,                # Owner of the cat
    ->   birth           DATE NOT NULL,                        # Birthday of the cat
    ->   PRIMARY KEY     (id)                                  # Make the id the primary key
    -> );
Query OK, 0 rows affected (0.00 sec)
```

1.6 Show tables

Execute the below command to view the tables

SHOW TABLES;

```
mysql> SHOW TABLES;
+----------------+
| Tables_in_pets |
+----------------+
| cats           |
+----------------+
1 row in set (0.00 sec)
```

1.7 Describe tables

Execute the below command to show the information on all the columns of a table

DESCRIBE cats;

```
mysql> DESCRIBE cats;
+-------+------------------+------+-----+---------+----------------+
| Field | Type             | Null | Key | Default | Extra          |
+-------+------------------+------+-----+---------+----------------+
| id    | int(10) unsigned | NO   | PRI | NULL    | auto_increment |
| name  | varchar(150)     | NO   |     | NULL    |                |
| owner | varchar(150)     | NO   |     | NULL    |                |
| birth | date             | NO   |     | NULL    |                |
+-------+------------------+------+-----+---------+----------------+
4 rows in set (0.01 sec)
```

1.8 Insert data

Execute the below command to insert the data in to tables

INSERT INTO cats (name, owner, birth) VALUES

  ('Sandy', 'Lennon', '2015-01-03'),

  ('Cookie', 'Casey', '2013-11-13'),

  ('Charlie', 'River', '2016-05-21');

```
mysql> INSERT INTO cats ( name, owner, birth) VALUES
    ->    ( 'Sandy', 'Lennon', '2015-01-03' ),
    ->    ( 'Cookie', 'Casey', '2013-11-13' ),
    ->    ( 'Charlie', 'River', '2016-05-21' );
Query OK, 3 rows affected (0.00 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

1.9 Select data

- Execute the below command to retrieve records from a table

  SELECT * FROM cats;

```
mysql> SELECT * FROM cats;
+----+---------+--------+------------+
| id | name    | owner  | birth      |
+----+---------+--------+------------+
|  1 | Sandy   | Lennon | 2015-01-03 |
|  2 | Cookie  | Casey  | 2013-11-13 |
|  3 | Charlie | River  | 2016-05-21 |
+----+---------+--------+------------+
3 rows in set (0.00 sec)
```

- Execute the below command to retrieve specific columns and rows by a certain condition using the WHERE clause

  SELECT name FROM cats WHERE owner = 'Casey';

```
mysql> SELECT name FROM cats WHERE owner = 'Casey';
+--------+
| name   |
+--------+
| Cookie |
+--------+
1 row in set (0.00 sec)
```

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1.10 Delete data

Execute the below command to delete a record from a table

DELETE FROM cats WHERE name='Cookie';

```
mysql> DELETE FROM cats WHERE name='Cookie';
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM cats;
+----+---------+--------+------------+
| id | name    | owner  | birth      |
+----+---------+--------+------------+
|  1 | Sandy   | Lennon | 2015-01-03 |
|  3 | Charlie | River  | 2016-05-21 |
+----+---------+--------+------------+
2 rows in set (0.00 sec)
```

1.11 Alter table

Execute the below command to add or delete a column from a table

ALTER TABLE cats ADD gender CHAR(1) AFTER name;

```
mysql> ALTER TABLE cats ADD gender CHAR(1) AFTER name;
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> DESCRIBE cats;
+--------+------------------+------+-----+---------+----------------+
| Field  | Type             | Null | Key | Default | Extra          |
+--------+------------------+------+-----+---------+----------------+
| id     | int(10) unsigned | NO   | PRI | NULL    | auto_increment |
| name   | varchar(150)     | NO   |     | NULL    |                |
| gender | char(1)          | YES  |     | NULL    |                |
| owner  | varchar(150)     | NO   |     | NULL    |                |
| birth  | date             | NO   |     | NULL    |                |
+--------+------------------+------+-----+---------+----------------+
5 rows in set (0.00 sec)

mysql>
```