

创建数据库操作

创建数据库

```
create database if not exists myhive;  
use myhive;
```

```
0: jdbc:hive2://node03:10000>|create database if not exists myhive;  
INFO : Compiling command(queryId=root_20190712082727_cd3a9cae-f718-471c-a3fa-b8dad9b81011): create database if not  
exists myhive  
INFO : Semantic Analysis Completed  
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)  
INFO : Completed compiling command(queryId=root_20190712082727_cd3a9cae-f718-471c-a3fa-b8dad9b81011); Time taken: 0  
.017 seconds  
INFO : Concurrency mode is disabled, not creating a lock manager  
INFO : Executing command(queryId=root_20190712082727_cd3a9cae-f718-471c-a3fa-b8dad9b81011): create database if not  
exists myhive  
INFO : Starting task [Stage-0:DDL] in serial mode  
INFO : Completed executing command(queryId=root_20190712082727_cd3a9cae-f718-471c-a3fa-b8dad9b81011); Time taken: 0  
.301 seconds  
INFO : OK  
No rows affected (0.341 seconds)  
0: jdbc:hive2://node03:10000>|use myhive;  
INFO : Compiling command(queryId=root_20190712082727_3dedfc19-d599-487c-8d53-cab30e6deb42): use myhive  
INFO : Semantic Analysis Completed  
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)  
INFO : Completed compiling command(queryId=root_20190712082727_3dedfc19-d599-487c-8d53-cab30e6deb42); Time taken: 0  
.027 seconds  
INFO : Concurrency mode is disabled, not creating a lock manager  
INFO : Executing command(queryId=root_20190712082727_3dedfc19-d599-487c-8d53-cab30e6deb42): use myhive  
INFO : Starting task [Stage-0:DDL] in serial mode  
INFO : Completed executing command(queryId=root_20190712082727_3dedfc19-d599-487c-8d53-cab30e6deb42); Time taken: 0  
.018 seconds  
INFO : OK  
No rows affected (0.078 seconds)  
0: jdbc:hive2://node03:10000>|
```

说明：hive 的表存放位置模式是由 hive-site.xml 其中的一个属性指定的

```
<name>hive.metastore.warehouse.dir</name>  
<value>/user/hive/warehouse</value>
```

DB_ID	DESC	DB_LOCATION_URI	NAME	OWNER_NAME	OWNER_TYPE
1	Default Hive database	hdfs://node01:8020/user/hive/warehouse	default	public	ROLE
2	(NULL)	hdfs://node01:8020/user/hive/warehouse/mydb01.db	mydb01	root	USER
6	(NULL)	hdfs://node01:8020/user/hive/warehouse/myhive.db	myhive	root	USER
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

创建数据库并指定 hdfs 存储位置

```
create database mydb02 location '/myhive22';
```

DB_ID	DESC	DB_LOCATION_URI	NAME	OWNER_NAME	OWNER_TYPE
1	Default Hive database	hdfs://node01:8020/user/hive/warehouse	default	public	ROLE
2 (NULL)		hdfs://node01:8020/user/hive/warehouse/mydb01.db	mydb01	root	USER
6 (NULL)		hdfs://node01:8020/user/hive/warehouse/myhive.db	myhive	root	USER
10 (NULL)		hdfs://node01:8020/myhive22	mydb22	root	USER
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

```

0: jdbc:hive2://node03:10000> [create database mydb02 location '/myhive22'];
INFO : Compiling command(queryId=root_20190712091616_64803d6a-a0a4-4bb4-a207-26f6092a0f02): create database mydb02
location '/myhive22'
INFO : Semantic Analysis Completed
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=root_20190712091616_64803d6a-a0a4-4bb4-a207-26f6092a0f02); Time taken: 0
.008 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=root_20190712091616_64803d6a-a0a4-4bb4-a207-26f6092a0f02): create database mydb02
location '/myhive22'
INFO : Starting task [stage=0:DDL] in serial mode
INFO : Completed executing command(queryId=root_20190712091616_64803d6a-a0a4-4bb4-a207-26f6092a0f02); Time taken: 0
.051 seconds
INFO : OK
No rows affected (0.079 seconds)

0: jdbc:hive2://node03:10000> show databases;
INFO : Compiling command(queryId=root_20190712091616_b10992c5-094e-43a9-9eda-5efb311592bf): show databases
INFO : Semantic Analysis Completed
INFO : Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:database_name, type:string, comment:from deseri
alizer)], properties:null)
INFO : Completed compiling command(queryId=root_20190712091616_b10992c5-094e-43a9-9eda-5efb311592bf); Time taken: 0
.005 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=root_20190712091616_b10992c5-094e-43a9-9eda-5efb311592bf): show databases
INFO : Starting task [stage=0:DDL] in serial mode
INFO : Completed executing command(queryId=root_20190712091616_b10992c5-094e-43a9-9eda-5efb311592bf); Time taken: 0
.021 seconds
INFO : OK
+-----+
| database_name |
+-----+
| default      |
| mydb01       |
| mydb02       |
| myhive       |
+-----+

```

修改数据库

可以使用 `alter database` 命令来修改数据库的一些属性。但是数据库的元数据信息是不可更改的，包括数据库的名称以及数据库所在的位置

```

alter database mydb02 set dbproperties('createtime'='20190708');
0: jdbc:hive2://node03:10000> [alter database mydb02 set dbproperties('createtime'='20190708')];
INFO : Compiling command(queryId=root_20190712092222_f65e873b-82d2-4452-ac6e-2beb43d590b9): alter database mydb02
set dbproperties('createtime'='20190708')
INFO : Semantic Analysis Completed
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=root_20190712092222_f65e873b-82d2-4452-ac6e-2beb43d590b9); Time taken: 0
.018 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=root_20190712092222_f65e873b-82d2-4452-ac6e-2beb43d590b9): alter database mydb02
set dbproperties('createtime'='20190708')
INFO : Starting task [stage=0:DDL] in serial mode
INFO : Completed executing command(queryId=root_20190712092222_f65e873b-82d2-4452-ac6e-2beb43d590b9); Time taken: 0
.048 seconds
INFO : OK
No rows affected (0.083 seconds)
0: jdbc:hive2://node03:10000>

```

查看数据库详细信息

查看数据库基本信息

```
desc database mydb02;
```

```

0: jdbc:hive2://node03:10000> desc database mydb02;
INFO : Compiling command(queryId=root_20190712092424_4c3cd58b-c72e-4567-a77b-1e68071ec6f5): desc database mydb02
INFO : Semantic Analysis Completed
INFO : Returning Hive schema: Schema(fieldsSchemas:[FieldSchema(name:db_name, type:string, comment:from deserializer), FieldSchema(name:comment, type:string, comment:from deserializer), FieldSchema(name:location, type:string, comment:from deserializer), FieldSchema(name:owner_name, type:string, comment:from deserializer), FieldSchema(name:owner_type, type:string, comment:from deserializer), FieldSchema(name:parameters, type:string, comment:from deserializer)], properties:null)
INFO : Completed compiling command(queryId=root_20190712092424_4c3cd58b-c72e-4567-a77b-1e68071ec6f5); Time taken: 0.014 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=root_20190712092424_4c3cd58b-c72e-4567-a77b-1e68071ec6f5): desc database mydb02
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=root_20190712092424_4c3cd58b-c72e-4567-a77b-1e68071ec6f5); Time taken: 0.024 seconds
INFO : OK

```

db_name	comment	location	owner_name	owner_type	parameters
mydb02		hdfs://node01:8020/myhive22	root	USER	

```

1 row selected (0.072 seconds)
0: jdbc:hive2://node03:10000>

```

查看数据库更多详细信息

```
desc database extended mydb02;
```

```

0: jdbc:hive2://node03:10000> desc database extended mydb02;
INFO : Compiling command(queryId=root_20190712092626_f0e907da-7c5a-46db-b4c9-e14215fb97a3): desc database extended mydb02
INFO : Semantic Analysis Completed
INFO : Returning Hive schema: Schema(fieldsSchemas:[FieldSchema(name:db_name, type:string, comment:from deserializer), FieldSchema(name:comment, type:string, comment:from deserializer), FieldSchema(name:location, type:string, comment:from deserializer), FieldSchema(name:owner_name, type:string, comment:from deserializer), FieldSchema(name:owner_type, type:string, comment:from deserializer), FieldSchema(name:parameters, type:string, comment:from deserializer)], properties:null)
INFO : Completed compiling command(queryId=root_20190712092626_f0e907da-7c5a-46db-b4c9-e14215fb97a3); Time taken: 0.011 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=root_20190712092626_f0e907da-7c5a-46db-b4c9-e14215fb97a3): desc database extended mydb02
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=root_20190712092626_f0e907da-7c5a-46db-b4c9-e14215fb97a3); Time taken: 0.024 seconds
INFO : OK

```

db_name	comment	location	owner_name	owner_type	parameters
mydb02		hdfs://node01:8020/myhive22	root	USER	{createtime=20190708}

```

1 row selected (0.076 seconds)

```

删除数据库

删除一个空数据库，如果数据库下面有数据表，那么就会报错

```
drop database myhive2;
```

强制删除数据库，包含数据库下面的表一起删除

```
drop database mydb02; cascade;
```

不要执行了