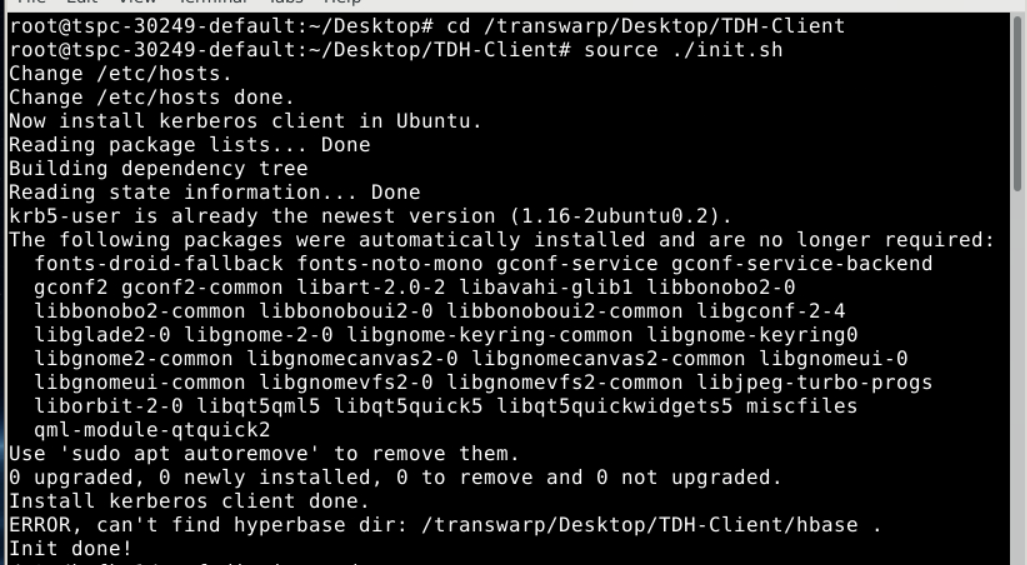
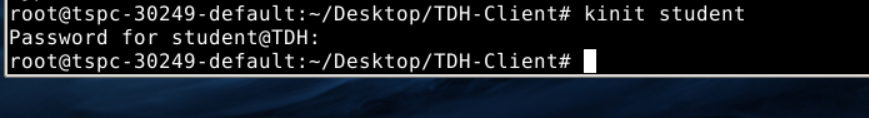
## 0.实验准备

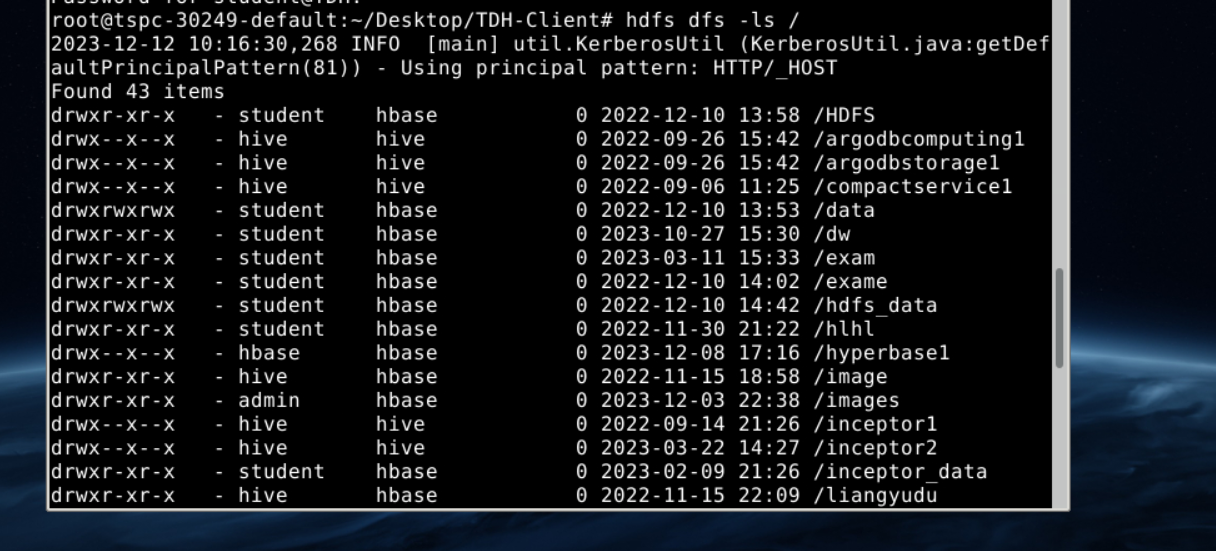
**启动TDH Client**



鉴权

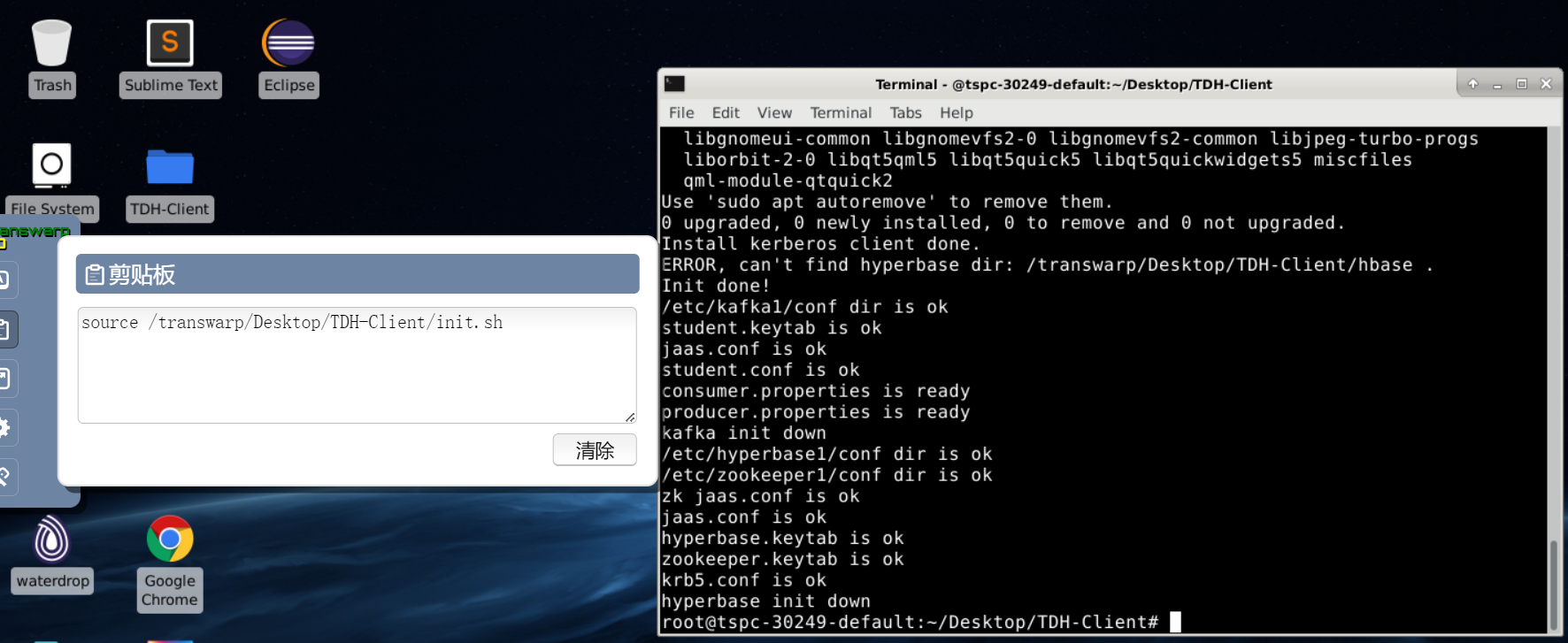


验证

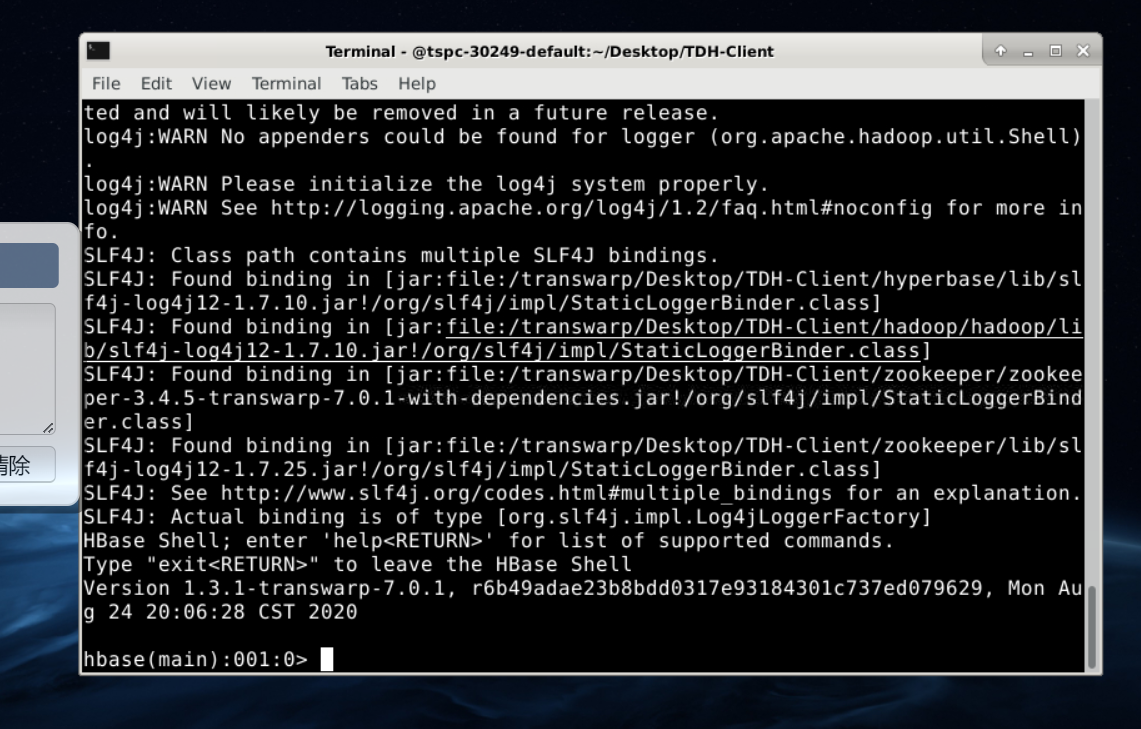


### 进入Hyperbase命令行

source /transwarp/Desktop/TDH-Client/init.sh

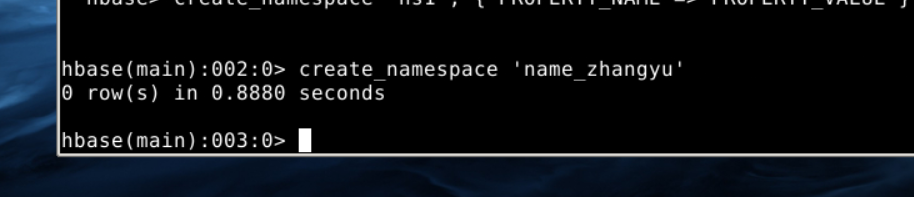


hbase shell

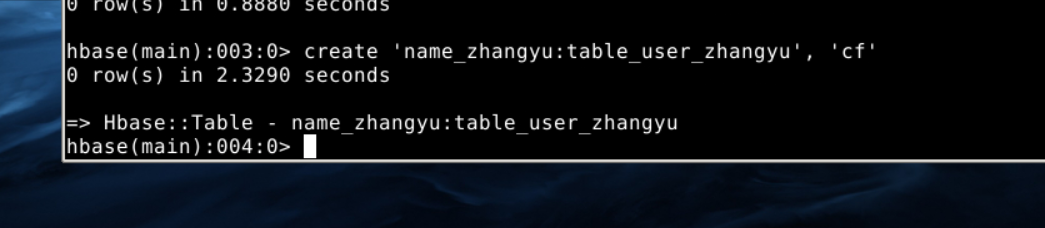


### 创建表，并插入数据

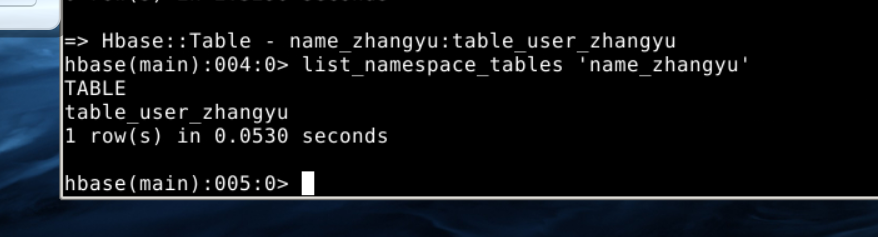
create\_namespace 'name\_zhangyu'



create 'name\_zhangyu:table\_user\_zhangyu', 'cf'



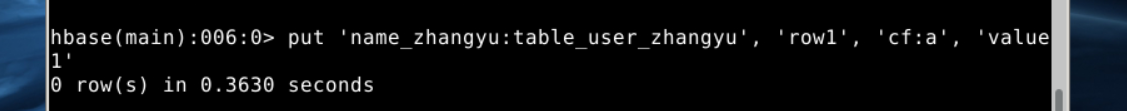
list\_namespace\_tables 'name\_zhangyu'

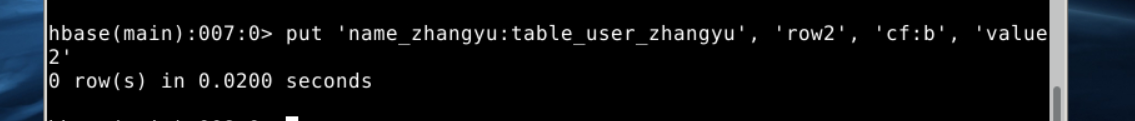


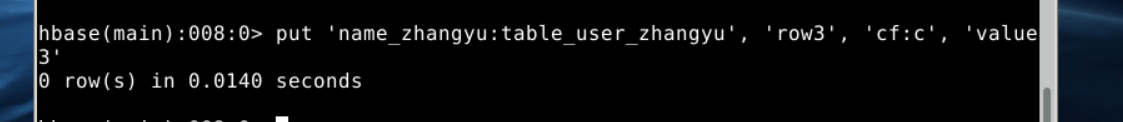
put 'name\_zhangyu:table\_user\_zhangyu', 'row1', 'cf:a', 'value1'

put 'name\_zhangyu:table\_user\_zhangyu', 'row2', 'cf:b', 'value2'

put 'name\_zhangyu:table\_user\_zhangyu', 'row3', 'cf:c', 'value3'

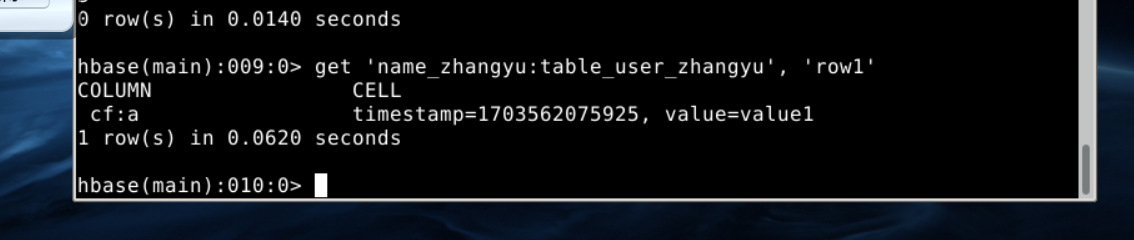




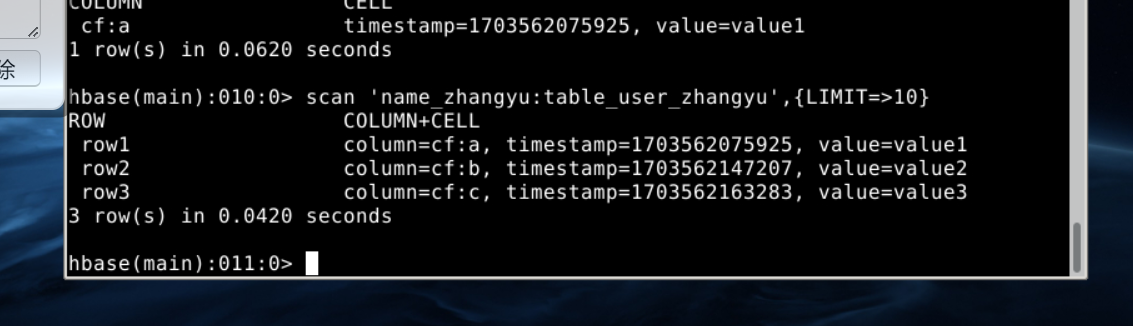


### 3、读取数据

get 'name\_zhangyu:table\_user\_zhangyu', 'row1'



scan 'name\_zhangyu:table\_user\_zhangyu',{LIMIT=>10}

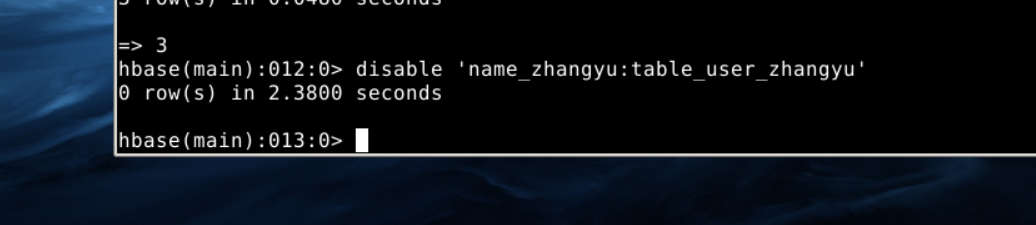


count 'name\_zhangyu:table\_user\_zhangyu'

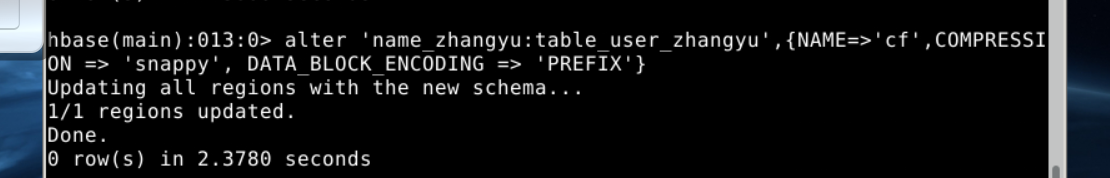


### 4、修改表属性

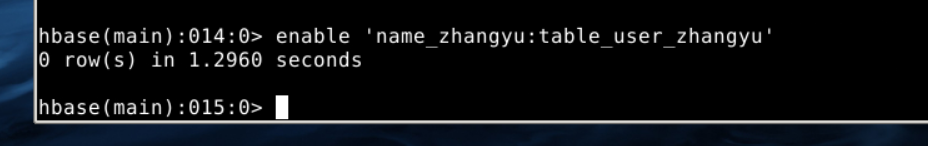
disable 'name\_zhangyu:table\_user\_zhangyu'



alter 'name\_zhangyu:table\_user\_zhangyu',{NAME=>'cf',COMPRESSION => 'snappy', DATA\_BLOCK\_ENCODING => 'PREFIX'}



enable 'name\_zhangyu:table\_user\_zhangyu'



desc 'name\_zhangyu:table\_user\_zhangyu'

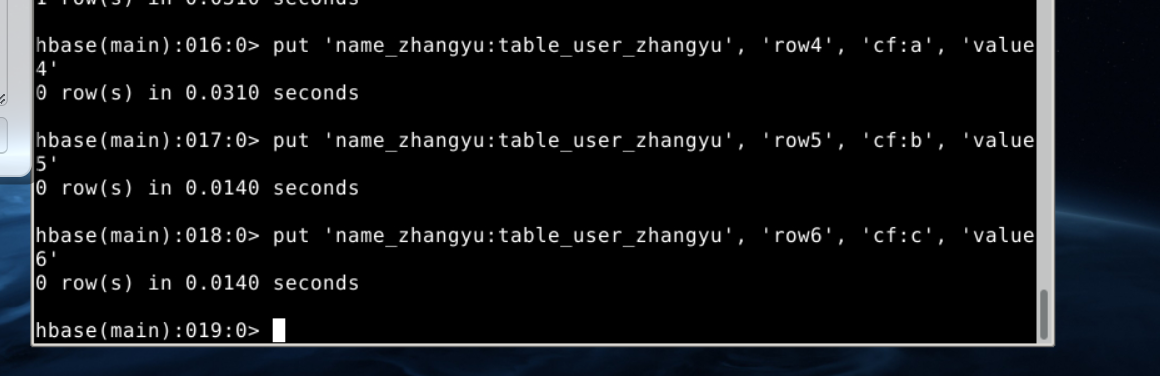


### 5、表的分裂

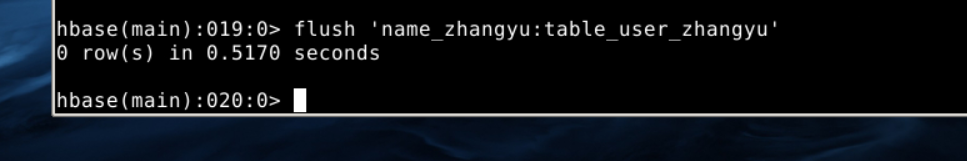
put 'name\_zhangyu:table\_user\_zhangyu', 'row4', 'cf:a', 'value4'

put 'name\_zhangyu:table\_user\_zhangyu', 'row5', 'cf:b', 'value5'

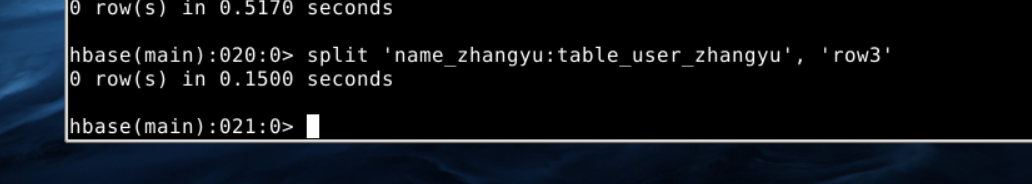
put 'name\_zhangyu:table\_user\_zhangyu', 'row6', 'cf:c', 'value6'



flush 'name\_zhangyu:table\_user\_zhangyu'

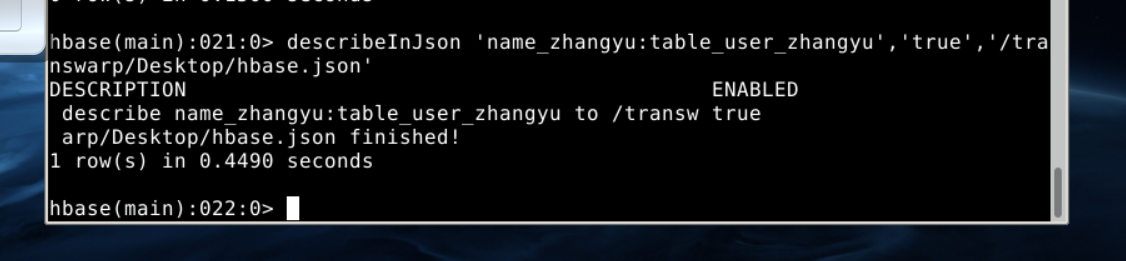


split 'name\_zhangyu:table\_user\_zhangyu', 'row3'

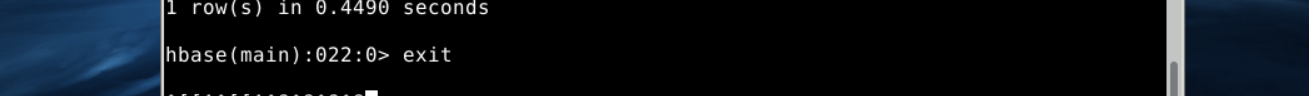


### 6、导出表属性到本地文件

describeInJson 'name\_zhangyu:table\_user\_zhangyu','true','/transwarp/Desktop/hbase.json'



exit



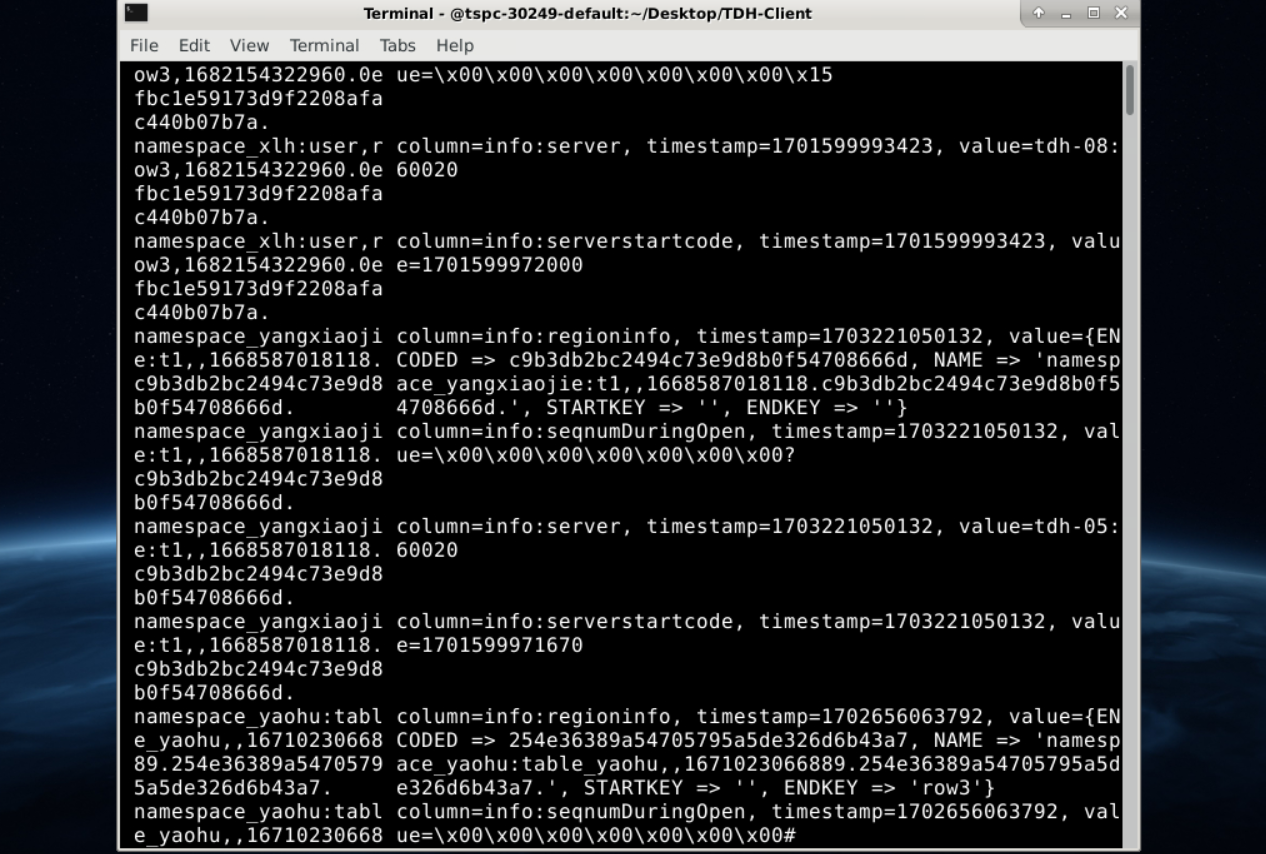
cat /transwarp/Desktop/hbase.json

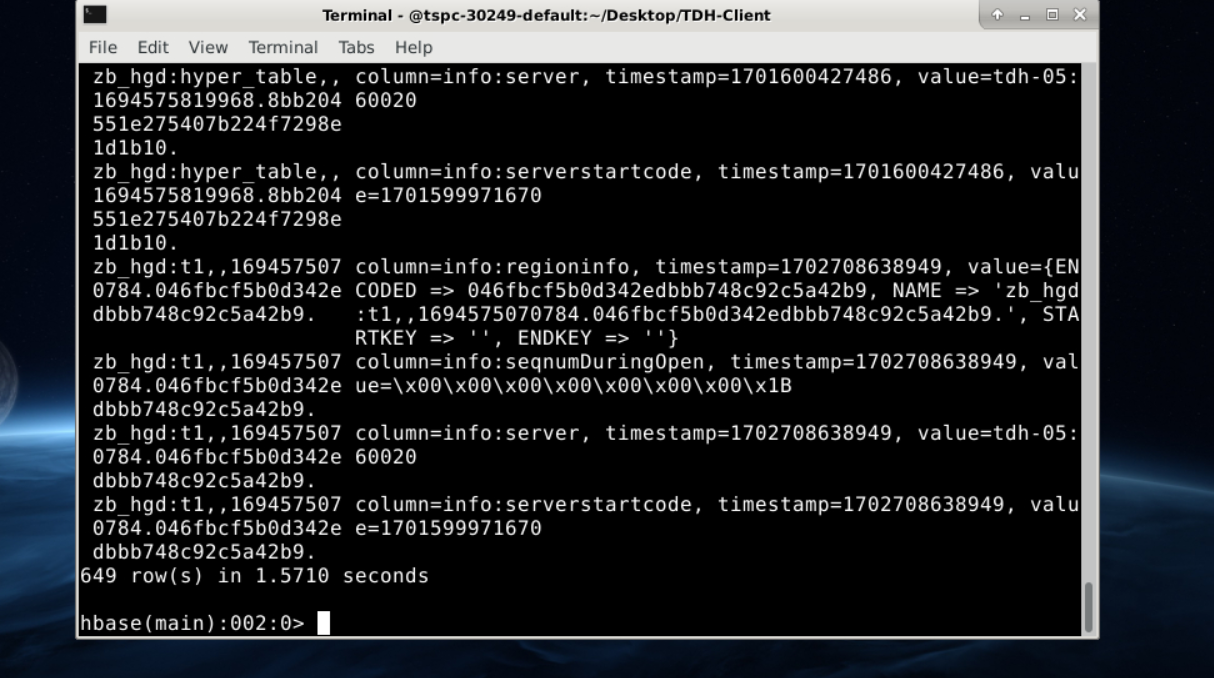


### 7、查看META表

scan 'hbase:meta'

太长了截图截不到自己得namespace，不过依旧可以理解Hyperbase元数据





元数据内容理解：

namespace\_xxxx: 这是命名空间

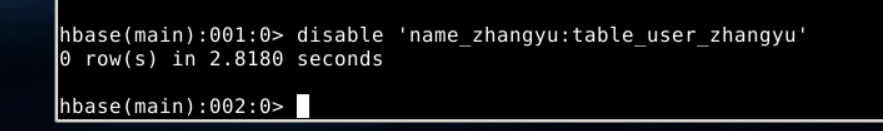
info:server 是列为 info，列标识为 server 的数据

timestamp 表示时间戳

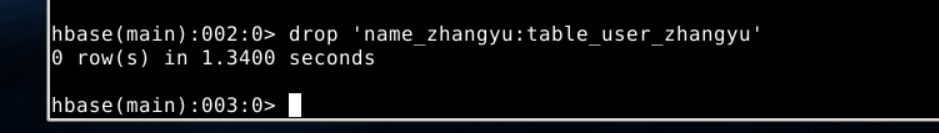
value 是该列的值

### 8、删除表

disable 'name\_zhangyu:table\_user\_zhangyu'

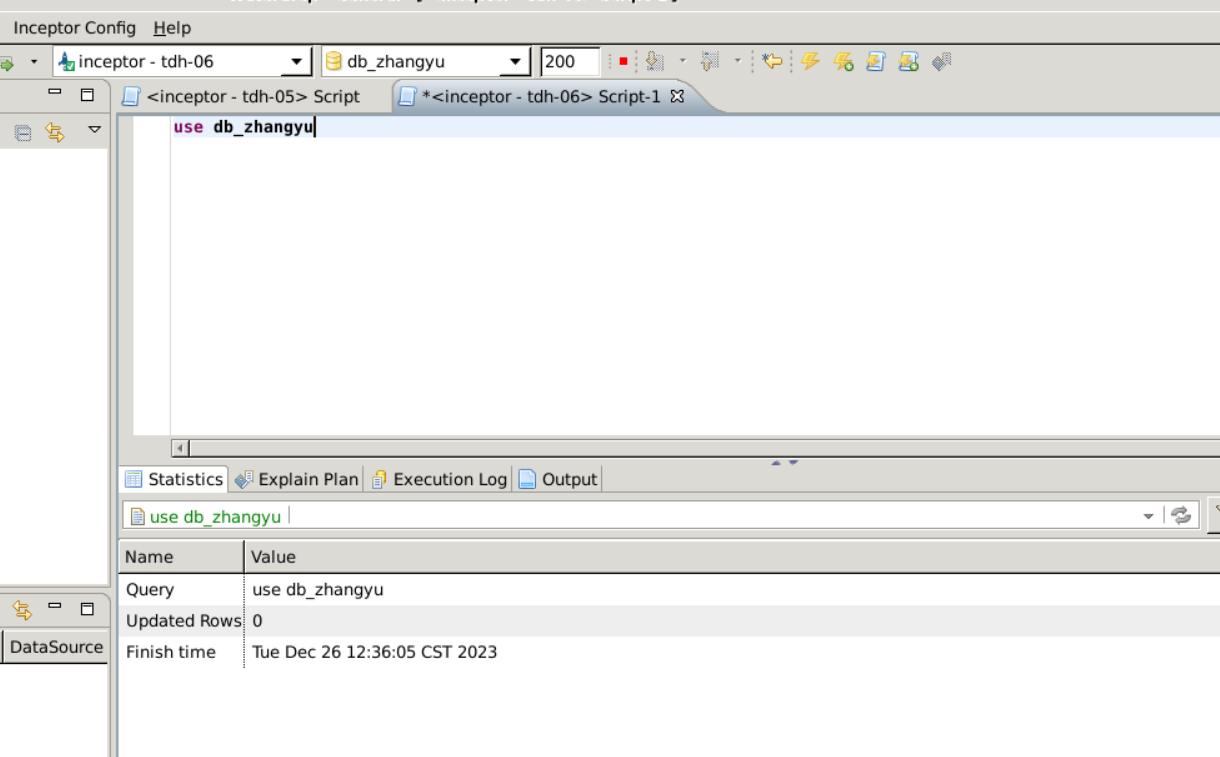


drop 'name\_zhangyu:table\_user\_zhangyu'

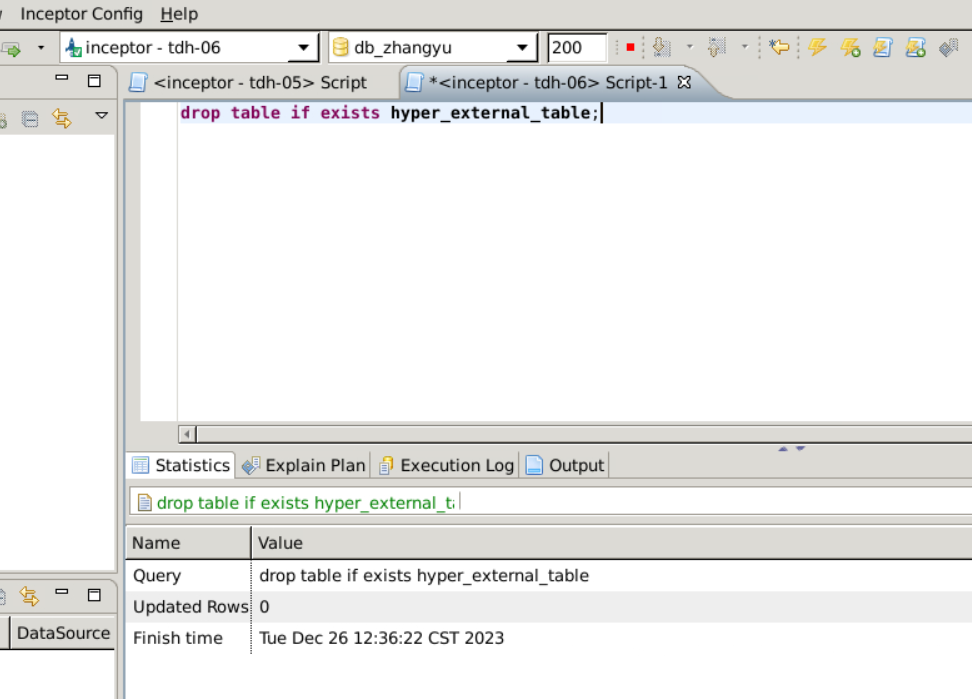


### 9、Hyperbase数据导入

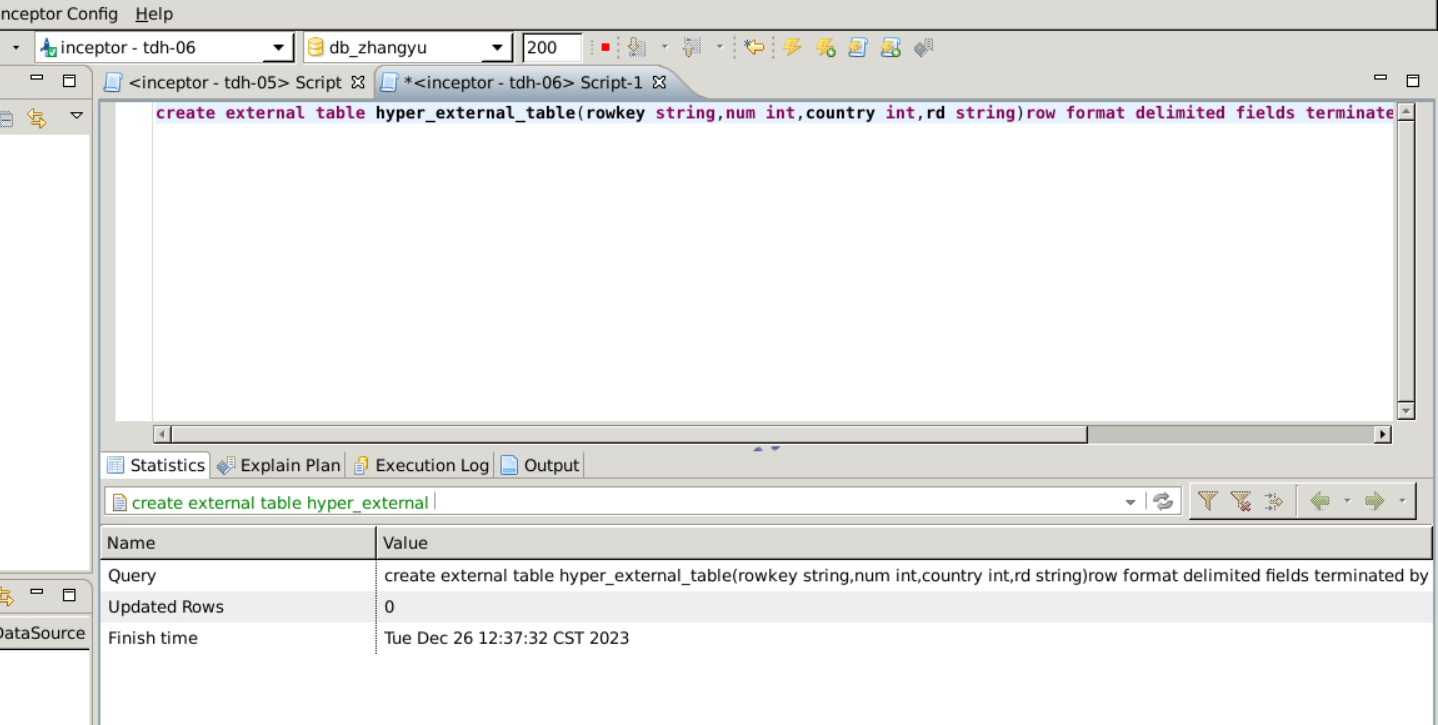
use db\_zhangyu



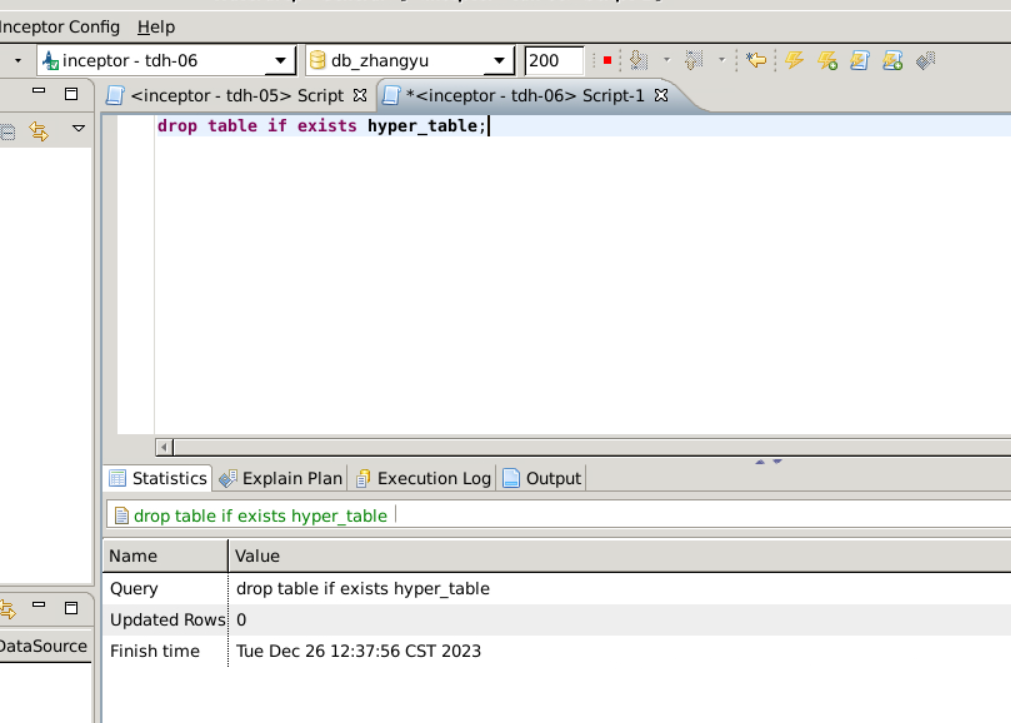
drop table if exists hyper\_external\_table;



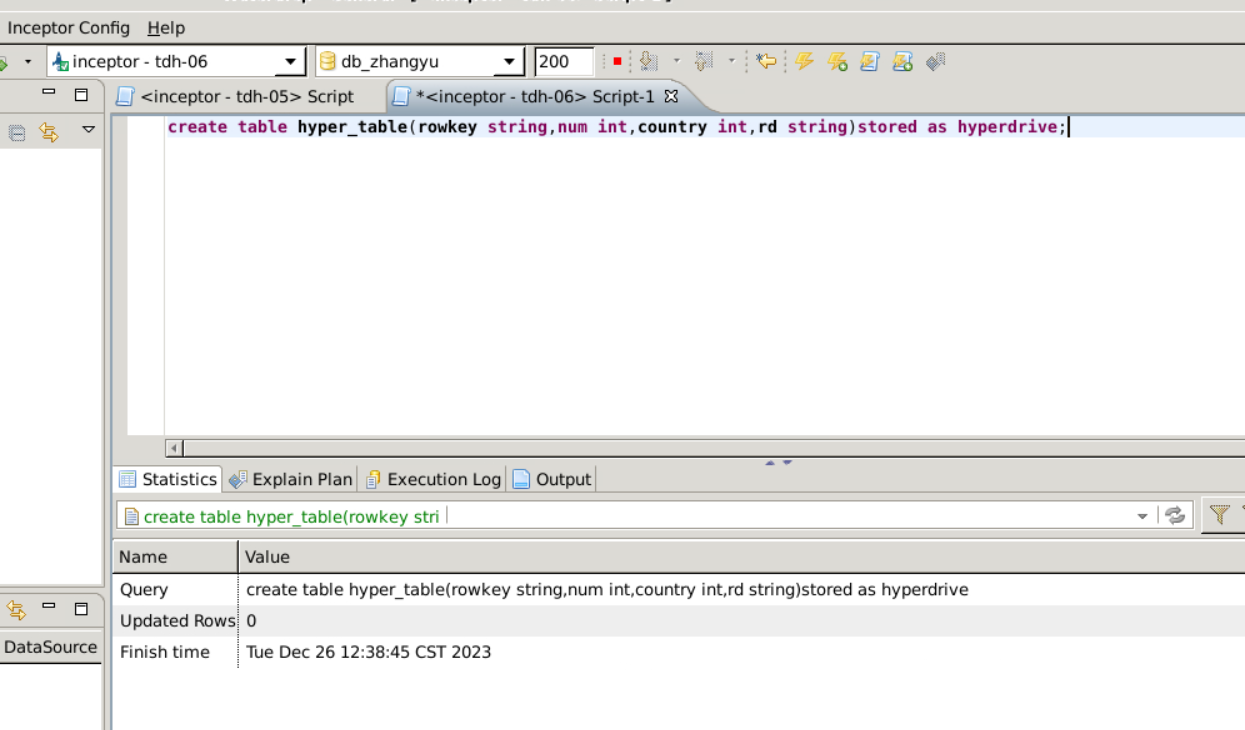
create external table hyper\_external\_table(rowkey string,num int,country int,rd string)row format delimited fields terminated by ','location '/images/hyper\_data';



drop table if exists hyper\_table;



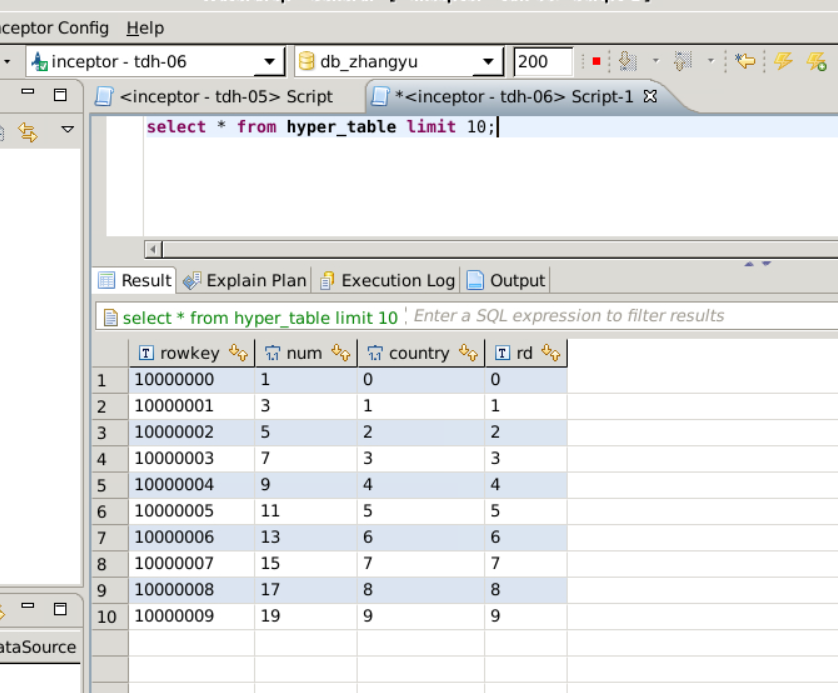
create table hyper\_table(rowkey string,num int,country int,rd string)stored as hyperdrive;



insert into hyper\_table select rowkey,num,country,rd from hyper\_external\_table order by rowkey limit 100;



select \* from hyper\_table limit 10;



圆满收工