

sudo /home/cloudera/cloudera-manager --force --express

cloudera-quickstart-vm-5.13.0-0-virtualbox

Running

Oracle VM VirtualBox

File

Machine

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System

Fri Mar 25, 1:15 AM

cloudera

cloudera@quickstart:~

File

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[QuickStart] Waiting for Cloudera Manager API...

[QuickStart] Starting Cloudera Manager agent...

[QuickStart] Configuring deployment...

Submitted jobs: 41

[QuickStart] Deploying client configuration...

Submitted jobs: 42

[QuickStart] Starting Cloudera Management Service...

Submitted jobs: 50

[QuickStart] Enabling Cloudera Manager daemons on boot...

Success! You can now log into Cloudera Manager from the QuickStart VM's browser:

http://quickstart.cloudera:7180

Username: cloudera

Password: cloudera

[cloudera@quickstart ~]\$ sudo -u hdfs hadoop dfsadmin -safemode leave

DEPRECATED: Use of this script to execute hdfs command is deprecated.

Instead use the hdfs command for it.

22/03/25 01:04:22 WARN ipc.Client: Failed to connect to server: quickstart.cloudera/10.0.2.15:8020: try once and fail.

java.net.ConnectException: Connection refused

at sun.nio.ch.SocketChannelImpl.checkConnect(Native Method)

at sun.nio.ch.SocketChannelImpl.finishConnect(SocketChannelImpl.java:739)

at org.apache.hadoop.net.SocketIOWithTimeout.connect(SocketIOWithTimeout.java:206)

at org.apache.hadoop.net.NetUtils.connect(NetUtils.java:530)

at org.apache.hadoop.net.NetUtils.connect(NetUtils.java:494)

at org.apache.hadoop.ipc.Client\$Connection.setupConnection(Client.java:648)

at org.apache.hadoop.ipc.Client\$Connection.setupIOstreams(Client.java:744)

at org.apache.hadoop.ipc.Client\$Connection.access\$3000(Client.java:396)

cloudera@quickstart:~

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cloudera-quickstart-vm-5.13.0-0-virtualbox

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Fri Mar 25, 1:14 AM

cloudera

Home - Cloudera Manager - Mozilla Firefox

Home - Cloudera Ma...

quickstart.cloudera:7180/cmf/home

Search

Cloudera

Hue

Hadoop

HBase

Impala

Spark

Solr

Oozie

Cloudera Manager

Getting Started

Restart Command

Status

Finished

Context

Cloudera QuickStart

Mar 25, 1:07:15 AM

7m

All services successfully restarted.

Completed 1 of 1 step(s).

Show All Steps

Show Only Failed Steps

Show Only Running Steps

Start all services in the cluster.

Cloudera QuickStart

Mar 25, 1:07:17 AM

7m

All services successfully started.

Execute command Start on service ZooKeeper

ZooKeeper

Mar 25, 1:07:17 AM

24.14s

Successfully completed 1 steps.

Execute command Start on service HDFS

HDFS

Mar 25, 1:07:41 AM

70.54s

Successfully started HDFS service

Execute command Start concurrently on 3 services

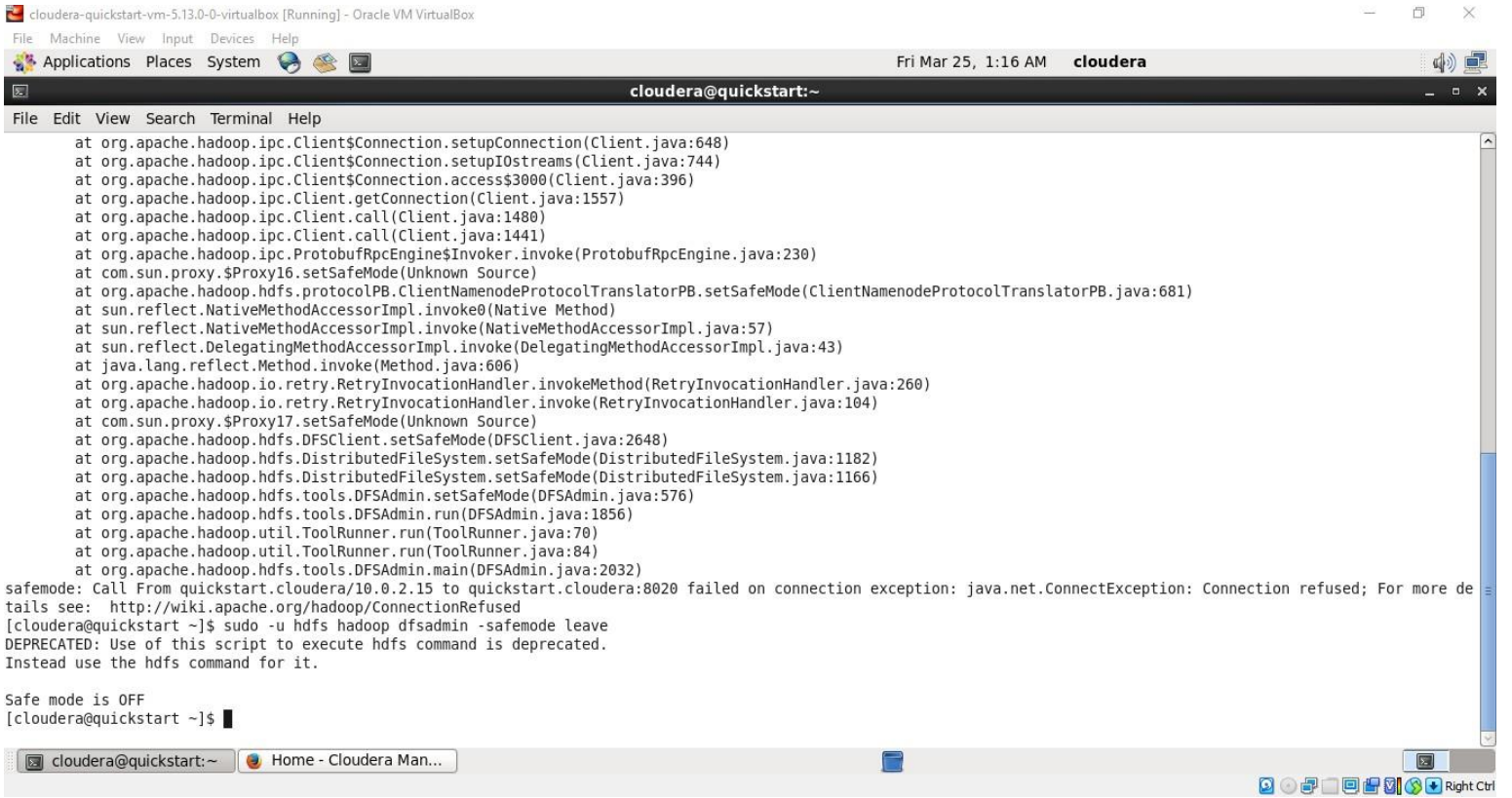
Mar 25, 1:08:51 AM

53.17s

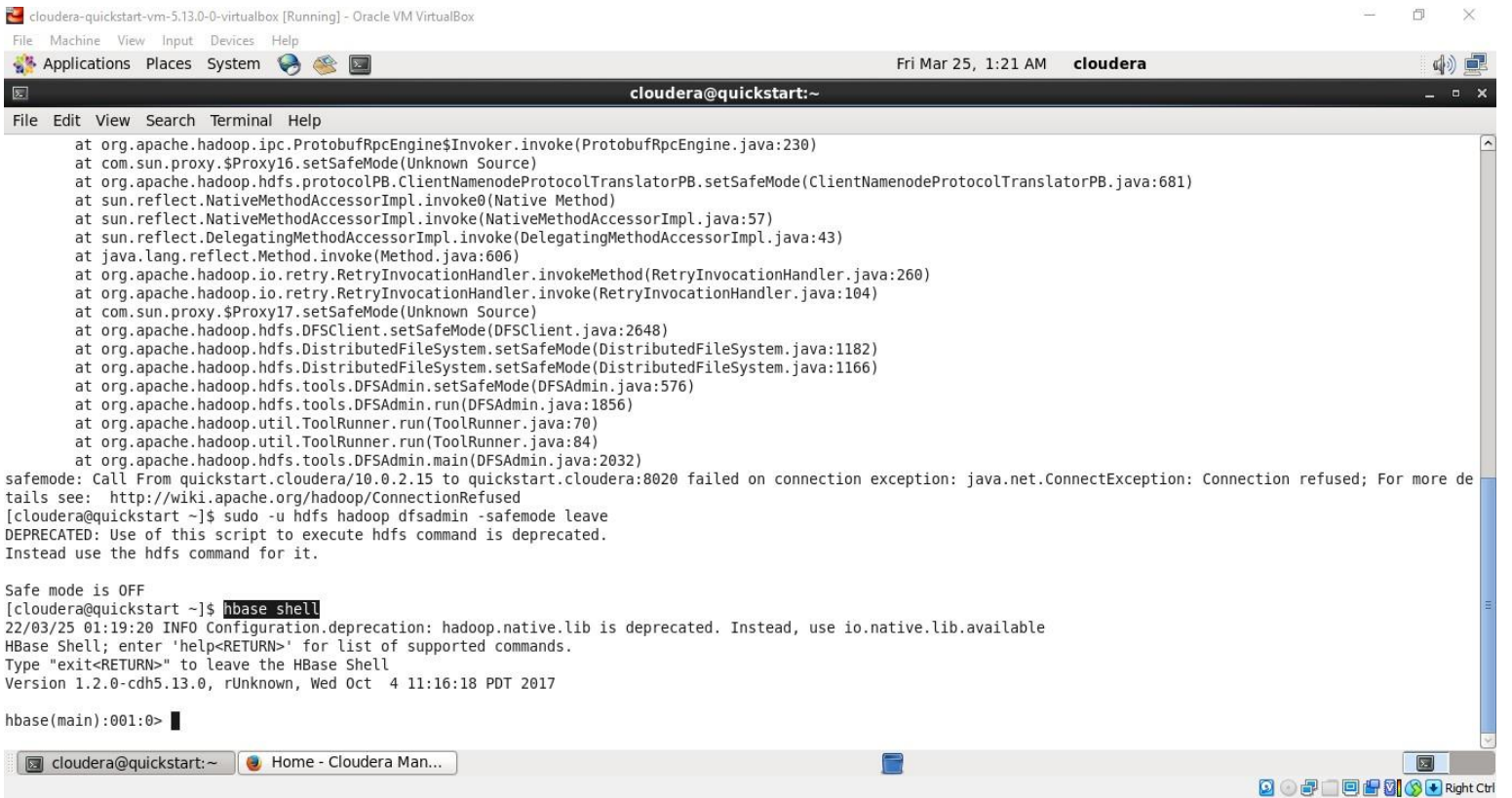
cloudera@quickstart:~

Home - Cloudera Man...

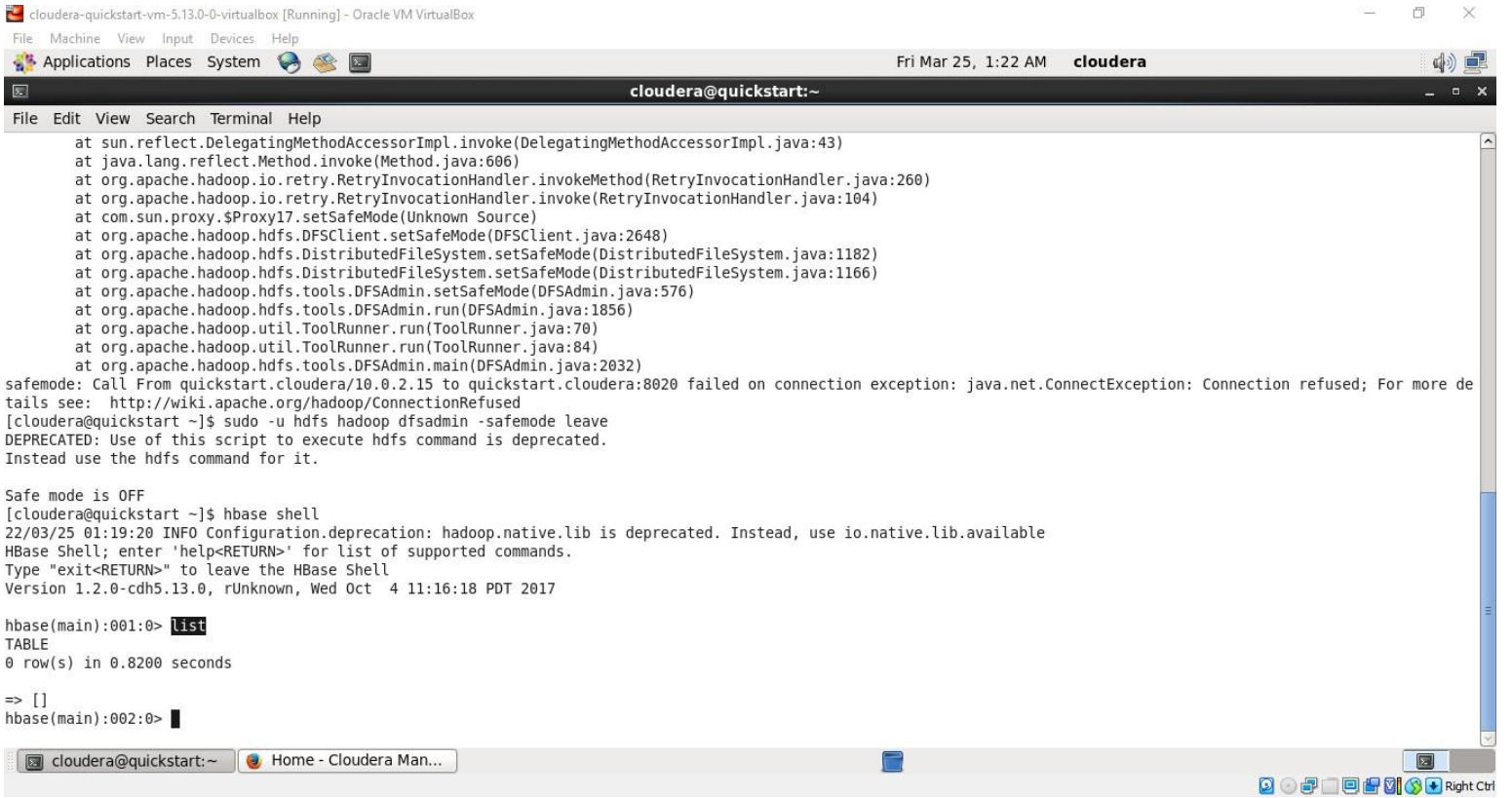
sudo -u hdfs hadoop dfsadmin -safemode leave



hbase shell

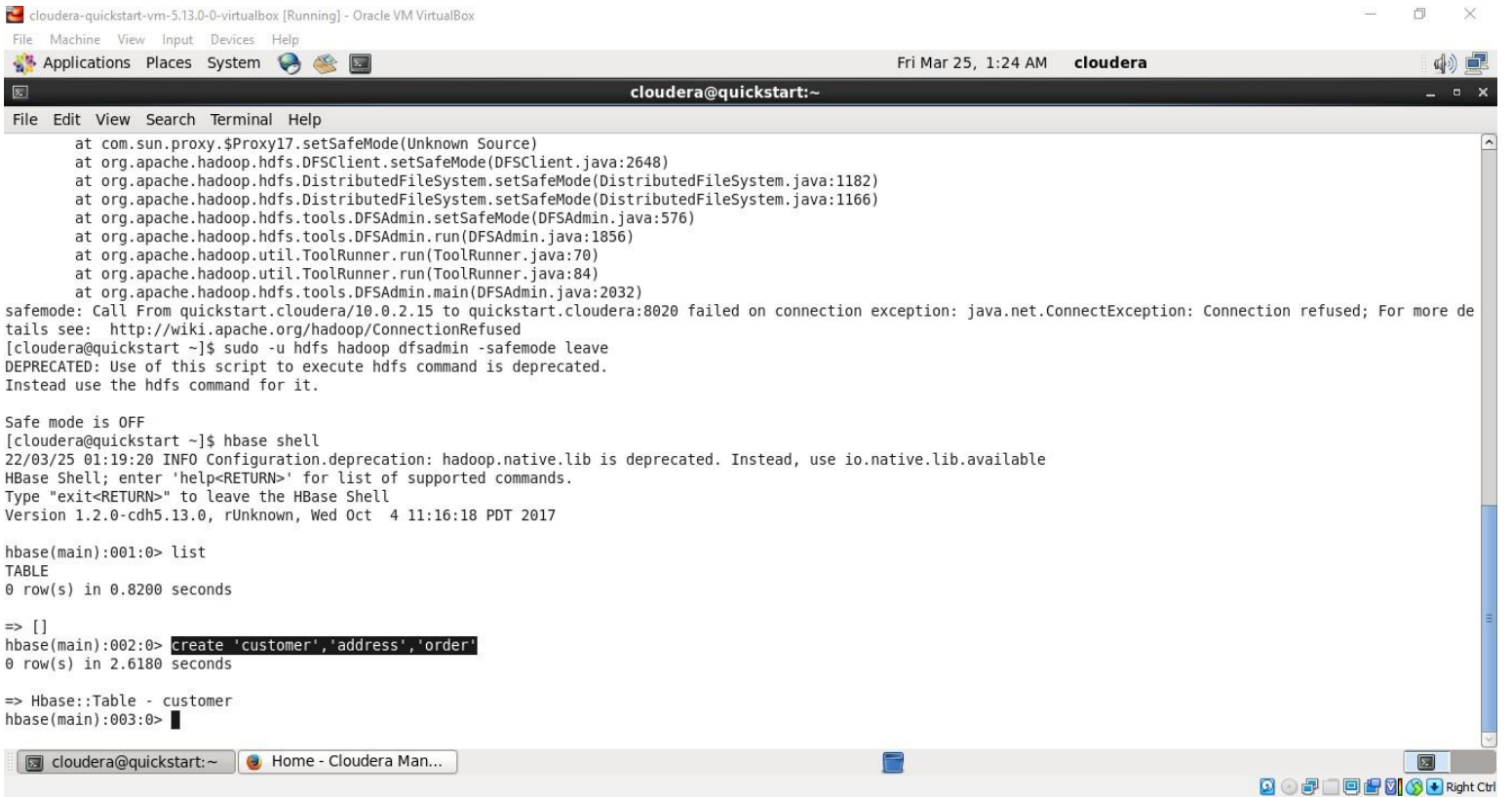


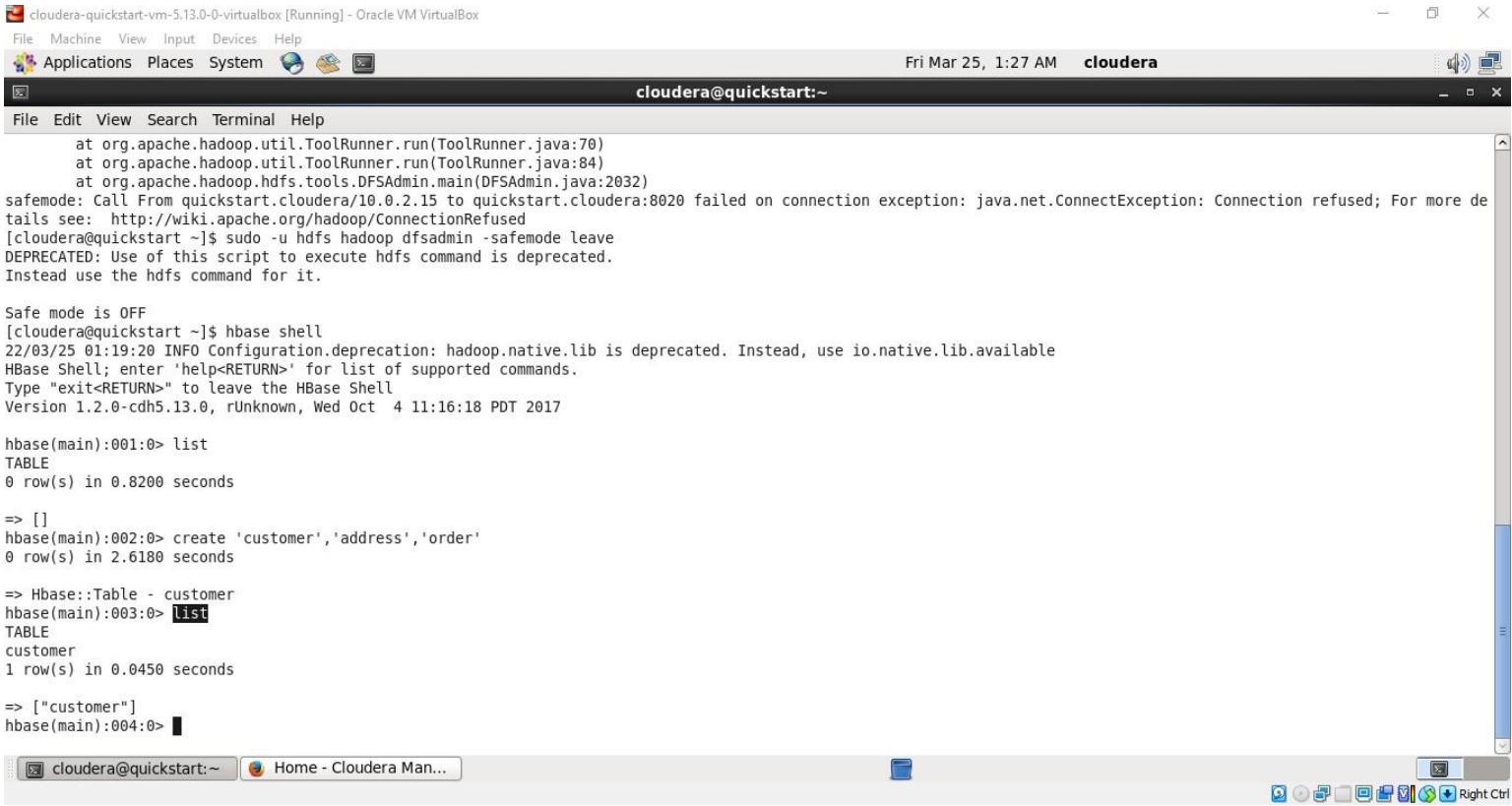
List



create 'customer','address','order'

customer -> table ; address & order -> column_name

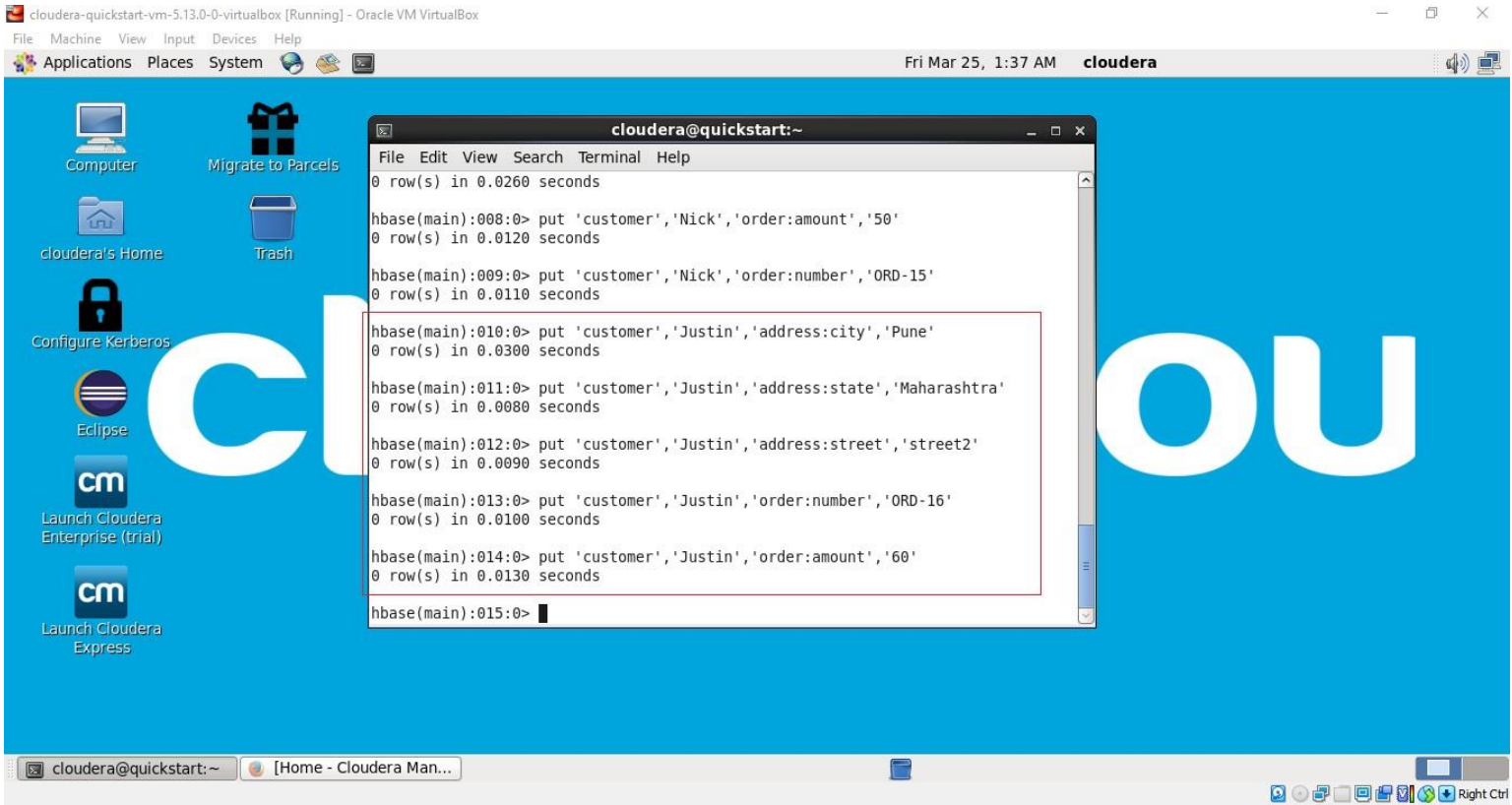
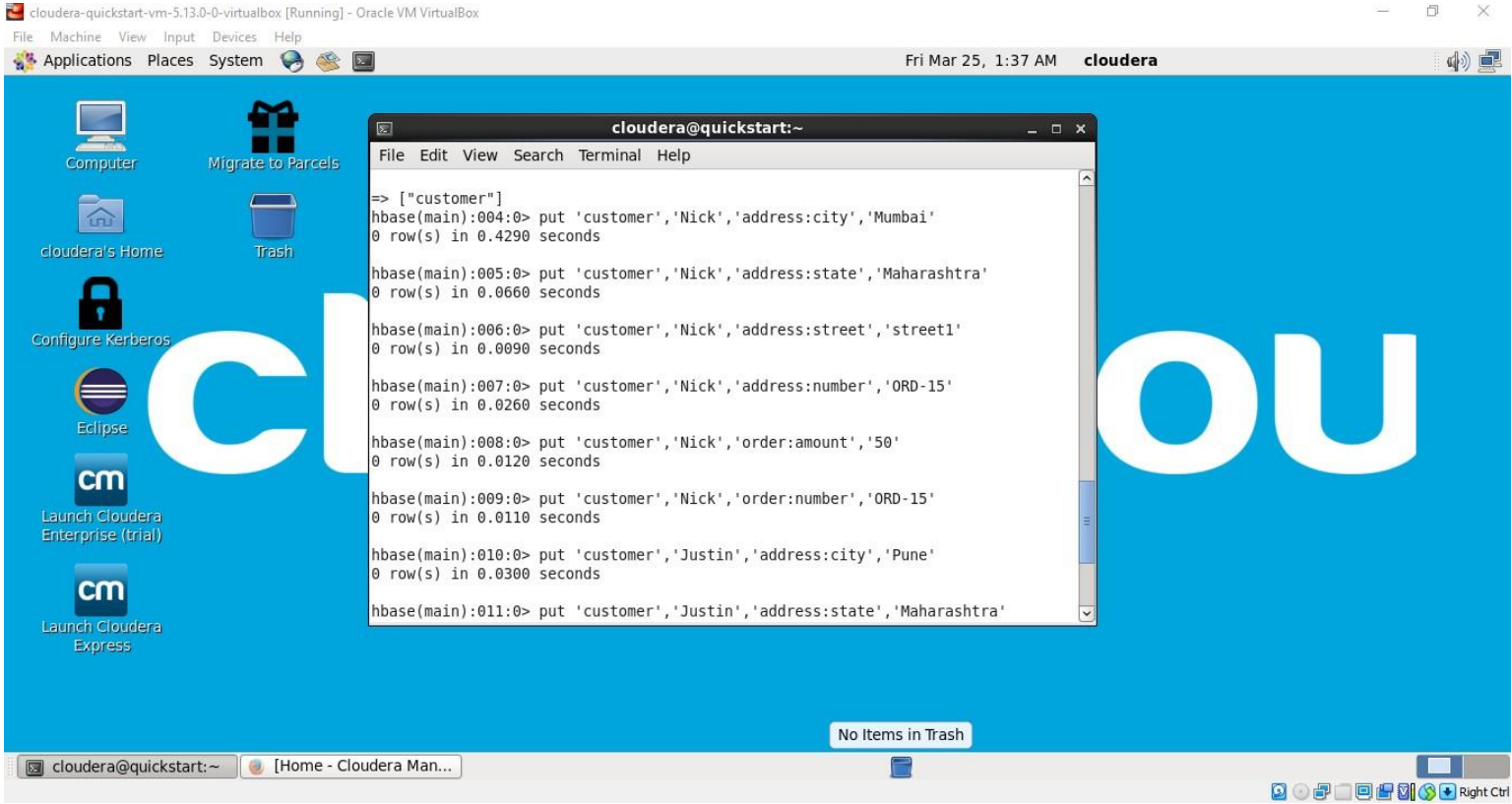




put 'customer','Nick','address:city','Mumbai'



put 'customer','Nick','address:state','Maharashtra'



get 'customer', 'Nick'

cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Applications Places System

Fri Mar 25, 1:39 AM cloudera

Computer

Migrate to Parcels

cloudera's Home

Trash

Configure Kerberos

Eclipse

Launch Cloudera Enterprise (trial)

Launch Cloudera Express

cloudera@quickstart:~

File Edit View Search Terminal Help

hbase(main):011:0> put 'customer','Justin','address:state','Maharashtra'

0 row(s) in 0.0080 seconds

hbase(main):012:0> put 'customer','Justin','address:street','street2'

0 row(s) in 0.0090 seconds

hbase(main):013:0> put 'customer','Justin','order:number','ORD-16'

0 row(s) in 0.0100 seconds

hbase(main):014:0> put 'customer','Justin','order:amount','60'

0 row(s) in 0.0130 seconds

hbase(main):015:0> get 'customer','Nick'

COLUMN CELL

address:city timestamp=1648197017890, value=Mumbai

address:number timestamp=1648197149436, value=ORD-15

address:state timestamp=1648197068315, value=Maharashtra

address:street timestamp=1648197098129, value=street1

order:amount timestamp=1648197193433, value=50

order:number timestamp=1648197213674, value=ORD-15

6 row(s) in 0.0490 seconds

hbase(main):016:0>

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[Home - Cloudera Man...]

Right Ctrl

cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

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Launch Cloudera Express

cloudera@quickstart:~

File Edit View Search Terminal Help

hbase(main):014:0> put 'customer','Justin','order:amount','60'

0 row(s) in 0.0130 seconds

hbase(main):015:0> get 'customer','Nick'

COLUMN CELL

address:city timestamp=1648197017890, value=Mumbai

address:number timestamp=1648197149436, value=ORD-15

address:state timestamp=1648197068315, value=Maharashtra

address:street timestamp=1648197098129, value=street1

order:amount timestamp=1648197193433, value=50

order:number timestamp=1648197213674, value=ORD-15

6 row(s) in 0.0490 seconds

hbase(main):016:0> get 'customer','Justin'

COLUMN CELL

address:city timestamp=1648197260721, value=Pune

address:state timestamp=1648197275891, value=Maharashtra

address:street timestamp=1648197293721, value=street2

order:amount timestamp=1648197354540, value=60

order:number timestamp=1648197336014, value=ORD-16

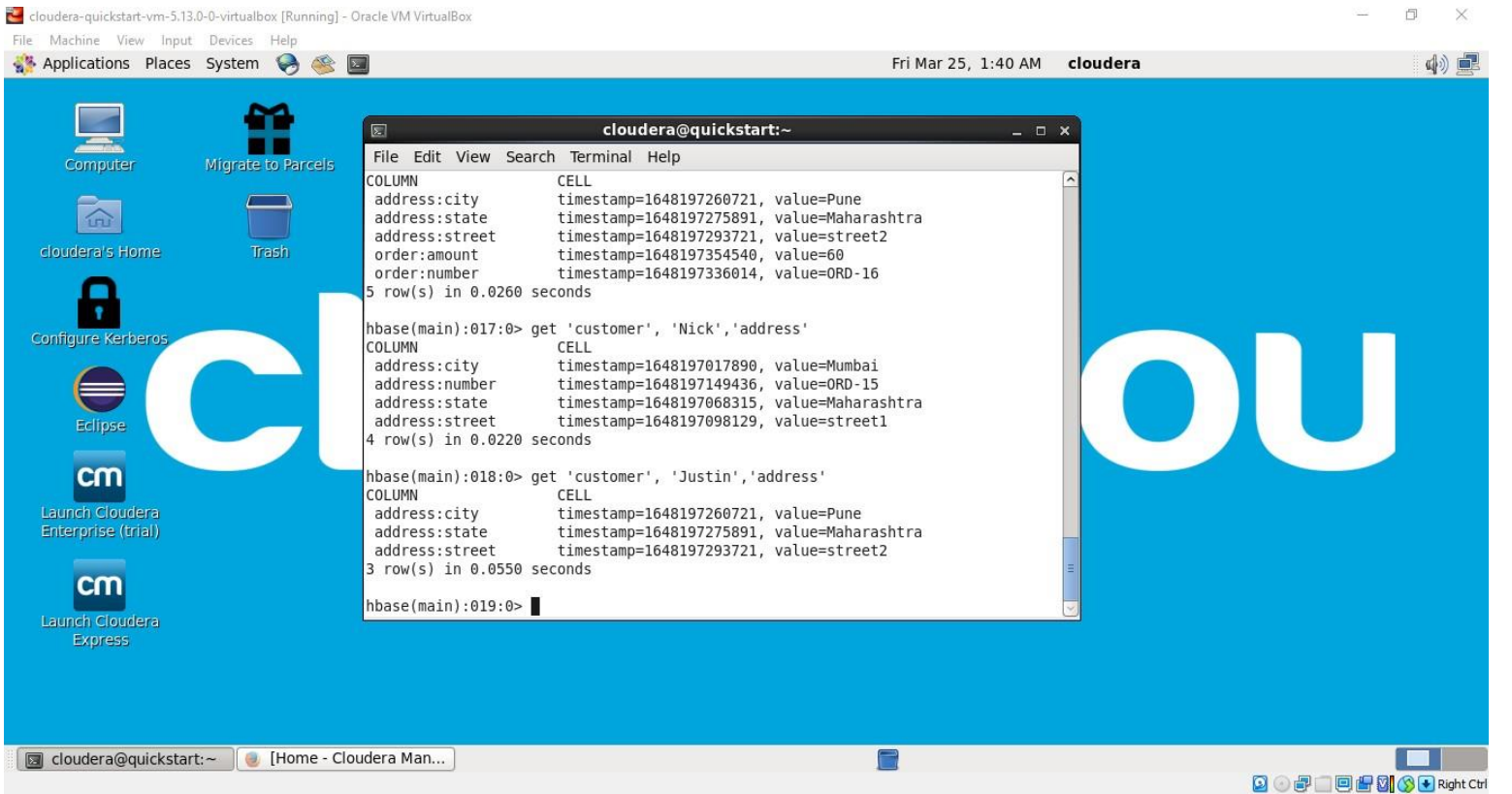
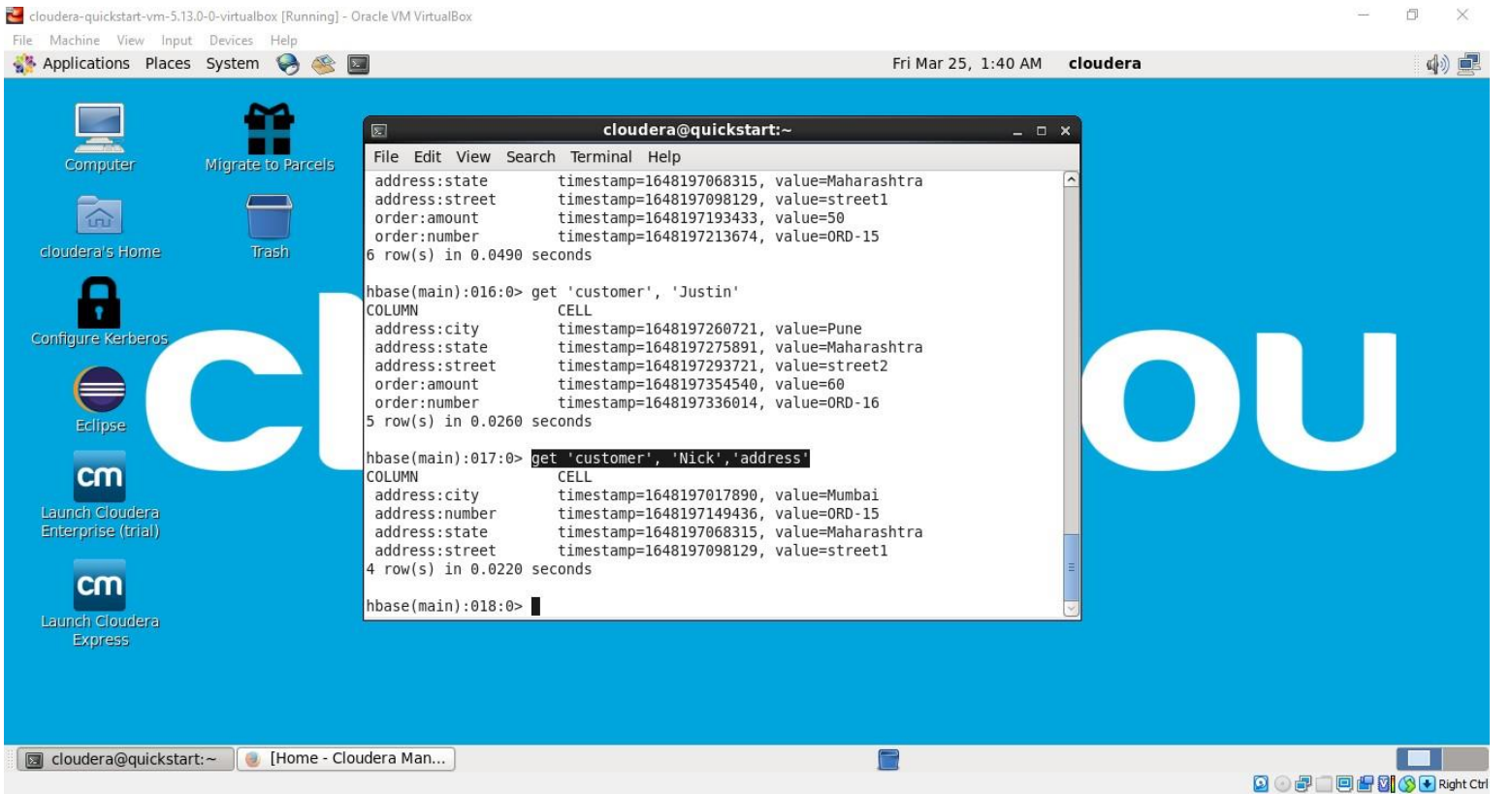
5 row(s) in 0.0260 seconds

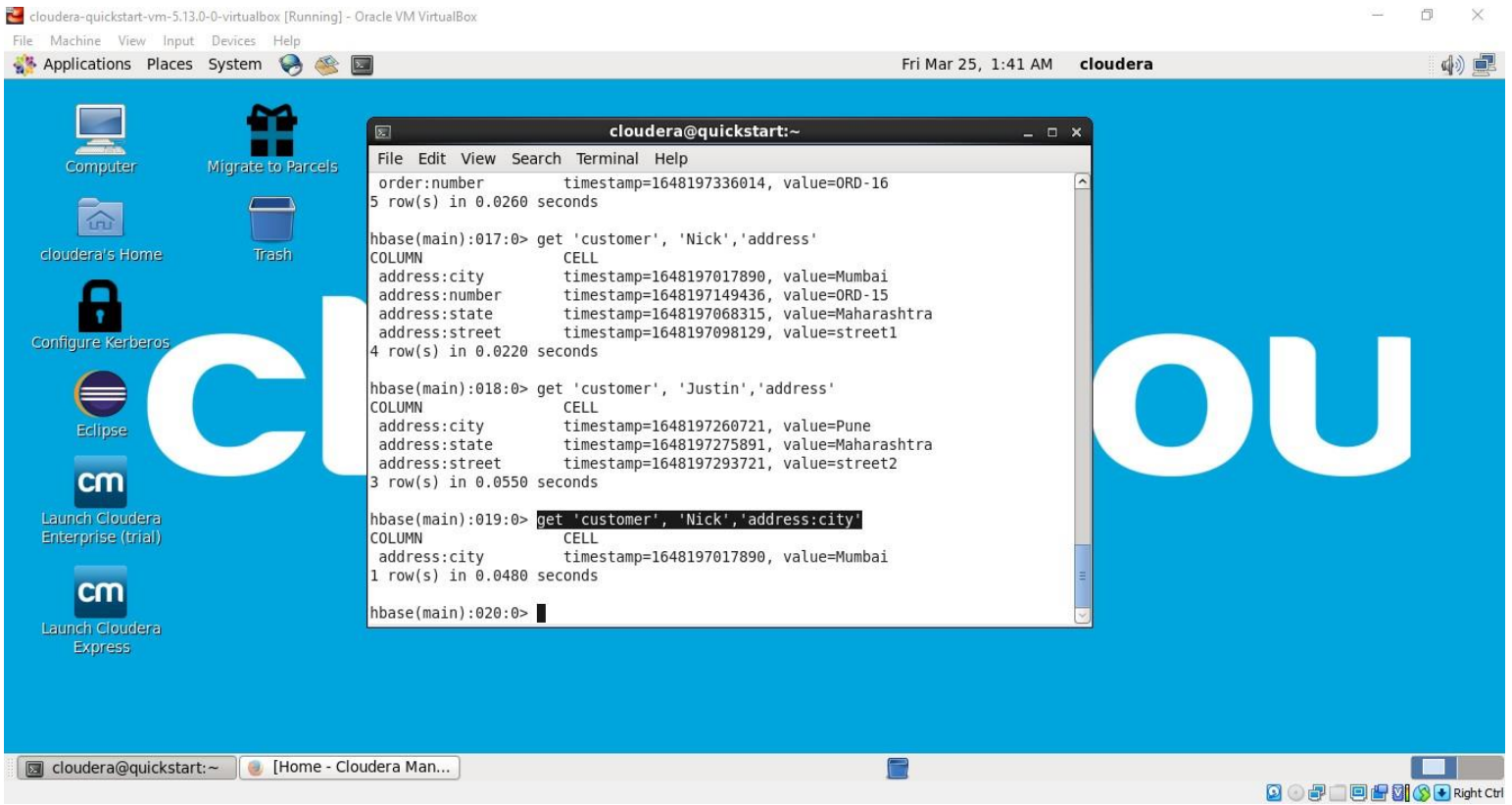
hbase(main):017:0>

cloudera@quickstart:~

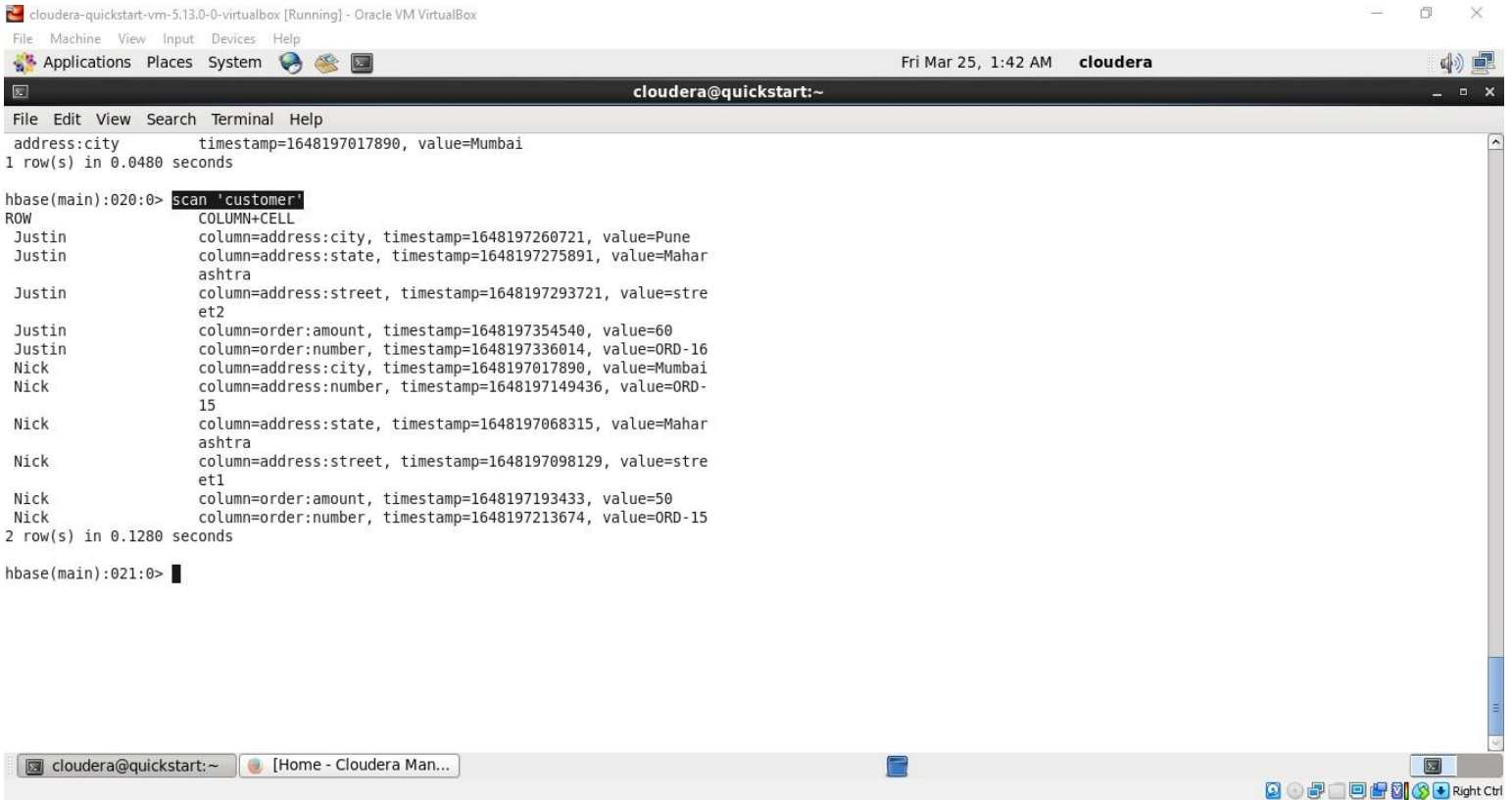
[Home - Cloudera Man...]

Right Ctrl





scan 'customer'



delete 'customer','Nick','address:street'

cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

FileMachineViewInputDevicesHelp

ApplicationsPlacesSystem

Fri Mar 25, 1:44 AMcloudera

cloudera@quickstart:~

FileEditViewSearchTerminalHelp

```
Justin      et2
            column=order:amount, timestamp=1648197354540, value=60
Justin      column=order:number, timestamp=1648197336014, value=ORD-16
Nick        column=address:city, timestamp=1648197017890, value=Mumbai
Nick        column=address:number, timestamp=1648197149436, value=ORD-15
Nick        column=address:state, timestamp=1648197068315, value=Mahar
            ashtra
Nick        column=address:street, timestamp=1648197098129, value=stre
            et1
Nick        column=order:amount, timestamp=1648197193433, value=50
Nick        column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.1280 seconds

hbase(main):021:0> delete 'customer','Nick','address:street'
0 row(s) in 0.0770 seconds

hbase(main):022:0> scan 'customer'
ROW
Justin      column=address:city, timestamp=1648197260721, value=Pune
Justin      column=address:state, timestamp=1648197275891, value=Maharashtra
Justin      column=address:street, timestamp=1648197293721, value=street2
Justin      column=order:amount, timestamp=1648197354540, value=60
Justin      column=order:number, timestamp=1648197336014, value=ORD-16
Nick        column=address:city, timestamp=1648197017890, value=Mumbai
Nick        column=address:number, timestamp=1648197149436, value=ORD-15
Nick        column=address:state, timestamp=1648197068315, value=Maharashtra
Nick        column=order:amount, timestamp=1648197193433, value=50
Nick        column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0590 seconds

hbase(main):023:0> 
```

alter 'customer','delete' => 'address'

cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

FileMachineViewInputDevicesHelp

ApplicationsPlacesSystem

Fri Mar 25, 1:48 AMcloudera

cloudera@quickstart:~

FileEditViewSearchTerminalHelp

```
0 row(s) in 0.0770 seconds

hbase(main):022:0> scan 'customer'
ROW
Justin      column=address:city, timestamp=1648197260721, value=Pune
Justin      column=address:state, timestamp=1648197275891, value=Maharashtra
Justin      column=address:street, timestamp=1648197293721, value=street2
Justin      column=order:amount, timestamp=1648197354540, value=60
Justin      column=order:number, timestamp=1648197336014, value=ORD-16
Nick        column=address:city, timestamp=1648197017890, value=Mumbai
Nick        column=address:number, timestamp=1648197149436, value=ORD-15
Nick        column=address:state, timestamp=1648197068315, value=Maharashtra
Nick        column=order:amount, timestamp=1648197193433, value=50
Nick        column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0590 seconds

hbase(main):023:0> alter 'customer','delete' => 'address'
Updating all regions with the new schema...
0/1 regions updated.
1/1 regions updated.
Done.
0 row(s) in 3.4640 seconds

hbase(main):024:0> scan 'customer'
ROW
Justin      column=order:amount, timestamp=1648197354540, value=60
Justin      column=order:number, timestamp=1648197336014, value=ORD-16
Nick        column=order:amount, timestamp=1648197193433, value=50
Nick        column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0340 seconds

hbase(main):025:0> 
```

```
cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox
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File Edit View Search Terminal Help
Justin      column=order:number, timestamp=1648197336014, value=ORD-16
Nick        column=address:city, timestamp=1648197017890, value=Mumbai
Nick        column=address:number, timestamp=1648197149436, value=ORD-15
Nick        column=address:state, timestamp=1648197068315, value=Maharashtra
Nick        column=order:amount, timestamp=1648197193433, value=50
Nick        column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0590 seconds

hbase(main):023:0> alter 'customer','delete' => 'address'
Updating all regions with the new schema...
0/1 regions updated.
1/1 regions updated.
Done.
0 row(s) in 3.4640 seconds

hbase(main):024:0> scan 'customer'
ROW COLUMN+CELL
Justin column=order:amount, timestamp=1648197354540, value=60
Justin column=order:number, timestamp=1648197336014, value=ORD-16
Nick   column=order:amount, timestamp=1648197193433, value=50
Nick   column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0340 seconds

hbase(main):025:0> desc 'customer'
Table customer is ENABLED
customer
COLUMN FAMILIES DESCRIPTION
{NAME => 'order', DATA_BLOCK_ENCODING => 'NONE', BLOOMFILTER => 'ROW', REPLICATION_SCOPE => '0', VERSIONS => '1', COMPRESSION => 'NONE', MIN_VERSIONS => '0', TTL => 'FOREVER', KEEP_DELETED_CELLS => 'FALSE', BLOCKSIZE => '65536', IN_MEMORY => 'false', BLOCKCACHE => 'true'}
1 row(s) in 0.0840 seconds

hbase(main):026:0>
```

create 'customer1',{NAME => 'address', VERSIONS => 3}

```
cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox
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Nick        column=order:amount, timestamp=1648197193433, value=50
Nick        column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0590 seconds

hbase(main):023:0> alter 'customer','delete' => 'address'
Updating all regions with the new schema...
0/1 regions updated.
1/1 regions updated.
Done.
0 row(s) in 3.4640 seconds

hbase(main):024:0> scan 'customer'
ROW COLUMN+CELL
Justin      column=order:amount, timestamp=1648197354540, value=60
Justin      column=order:number, timestamp=1648197336014, value=ORD-16
Nick        column=order:amount, timestamp=1648197193433, value=50
Nick        column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0340 seconds

hbase(main):025:0> desc 'customer'
Table customer is ENABLED
customer
COLUMN FAMILIES DESCRIPTION
{NAME => 'order', DATA_BLOCK_ENCODING => 'NONE', BLOOMFILTER => 'ROW', REPLICATION_SCOPE => '0', VERSIONS => '1', COMPRESSION => 'NONE', MIN_VERSIONS => '0', TTL => 'FOREVER', KEEP_DELETED_CELLS => 'FALSE', BLOCKSIZE => '65536', IN_MEMORY => 'false', BLOCKCACHE => 'true'}
1 row(s) in 0.0840 seconds

hbase(main):026:0> create 'customer1',{NAME => 'address', VERSIONS => 3}
0 row(s) in 1.3020 seconds

=> Hbase::Table - customer1
hbase(main):027:0>
```

cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

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cloudera@quickstart:~

File Edit View Search Terminal Help

1/1 regions updated.
Done.
0 row(s) in 3.4640 seconds

hbase(main):024:0> scan 'customer'

ROW COLUMN+CELL
Justin column=order:amount, timestamp=1648197354540, value=60
Justin column=order:number, timestamp=1648197336014, value=ORD-16
Nick column=order:amount, timestamp=1648197193433, value=50
Nick column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0340 seconds

hbase(main):025:0> desc 'customer'

Table customer is ENABLED
customer
COLUMN FAMILIES DESCRIPTION
{NAME => 'order', DATA_BLOCK_ENCODING => 'NONE', BLOOMFILTER => 'ROW', REPLICATION_SCOPE => '0', VERSIONS => '1', COMPRESSION => 'NONE', MIN_VERSIONS => '0', TTL => 'FOREVER', KEEP_DELETED_CELLS => 'FALSE', BLOCKSIZE => '65536', IN_MEMORY => 'false', BLOCKCACHE => 'true'}
1 row(s) in 0.0840 seconds

hbase(main):026:0> create 'customer1',{NAME => 'address', VERSIONS => 3}

0 row(s) in 1.3020 seconds

=> Hbase::Table - customer1

hbase(main):027:0> list

TABLE
customer
customer1
2 row(s) in 0.0060 seconds

=> ["customer", "customer1"]

hbase(main):028:0>

Home - Cloudera Manager - Mozilla Firefox

cloudera@quickstart:~ Home - Cloudera Man...

count 'customer'

cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

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cloudera@quickstart:~

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hbase(main):024:0> scan 'customer'

ROW COLUMN+CELL
Justin column=order:amount, timestamp=1648197354540, value=60
Justin column=order:number, timestamp=1648197336014, value=ORD-16
Nick column=order:amount, timestamp=1648197193433, value=50
Nick column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0340 seconds

hbase(main):025:0> desc 'customer'

Table customer is ENABLED
customer
COLUMN FAMILIES DESCRIPTION
{NAME => 'order', DATA_BLOCK_ENCODING => 'NONE', BLOOMFILTER => 'ROW', REPLICATION_SCOPE => '0', VERSIONS => '1', COMPRESSION => 'NONE', MIN_VERSIONS => '0', TTL => 'FOREVER', KEEP_DELETED_CELLS => 'FALSE', BLOCKSIZE => '65536', IN_MEMORY => 'false', BLOCKCACHE => 'true'}
1 row(s) in 0.0840 seconds

hbase(main):026:0> create 'customer1',{NAME => 'address', VERSIONS => 3}

0 row(s) in 1.3020 seconds

=> Hbase::Table - customer1

hbase(main):027:0> list

TABLE
customer
customer1
2 row(s) in 0.0060 seconds

=> ["customer", "customer1"]

hbase(main):028:0> count 'customer'

2 row(s) in 0.2910 seconds

=> 2

hbase(main):029:0>

cloudera@quickstart:~ Home - Cloudera Man...

alter 'customer', NAME => 'address', VERSIONS => 5

cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

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Fri Mar 25, 1:56 AM cloudera

cloudera@quickstart:~

File Edit View Search Terminal Help

2 row(s) in 0.0340 seconds

hbase(main):025:0> desc 'customer'

Table customer is ENABLED

customer

COLUMN FAMILIES DESCRIPTION

{NAME => 'order', DATA_BLOCK_ENCODING => 'NONE', BLOOMFILTER => 'ROW', REPLICATION_SCOPE => '0', VERSIONS => '1', COMPRESSION => 'NONE', MIN_VERSIONS => '0', TTL => 'FOREVER', KEEP_DELETED_CELLS => 'FALSE', BLOCKSIZE => '65536', IN_MEMORY => 'false', BLOCKCACHE => 'true'}

1 row(s) in 0.0840 seconds

hbase(main):026:0> create 'customer1',{NAME => 'address', VERSIONS => 3}

0 row(s) in 1.3020 seconds

=> Hbase::Table - customer1

hbase(main):027:0> list

TABLE

customer

customer1

2 row(s) in 0.0060 seconds

=> ["customer", "customer1"]

hbase(main):028:0> count 'customer'

2 row(s) in 0.2910 seconds

=> 2

hbase(main):029:0> alter 'customer', NAME => 'address', VERSIONS => 5

Updating all regions with the new schema...

1/1 regions updated.

Done.

0 row(s) in 2.3090 seconds

hbase(main):030:0> █

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cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

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cloudera@quickstart:~

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hbase(main):026:0> create 'customer1',{NAME => 'address', VERSIONS => 3}

0 row(s) in 1.3020 seconds

=> Hbase::Table - customer1

hbase(main):027:0> list

TABLE

customer

customer1

2 row(s) in 0.0060 seconds

=> ["customer", "customer1"]

hbase(main):028:0> count 'customer'

2 row(s) in 0.2910 seconds

=> 2

hbase(main):029:0> alter 'customer', NAME => 'address', VERSIONS => 5

Updating all regions with the new schema...

1/1 regions updated.

Done.

0 row(s) in 2.3090 seconds

hbase(main):030:0> desc 'customer'

Table customer is ENABLED

customer

COLUMN FAMILIES DESCRIPTION

{NAME => 'address', DATA_BLOCK_ENCODING => 'NONE', BLOOMFILTER => 'ROW', REPLICATION_SCOPE => '0', COMPRESSION => 'NONE', VERSIONS => '5', TTL => 'FOREVER', MIN_VERSIONS => '0', KEEP_DELETED_CELLS => 'FALSE', BLOCKSIZE => '65536', IN_MEMORY => 'false', BLOCKCACHE => 'true'}

{NAME => 'order', DATA_BLOCK_ENCODING => 'NONE', BLOOMFILTER => 'ROW', REPLICATION_SCOPE => '0', VERSIONS => '1', COMPRESSION => 'NONE', MIN_VERSIONS => '0', TTL => 'FOREVER', KEEP_DELETED_CELLS => 'FALSE', BLOCKSIZE => '65536', IN_MEMORY => 'false', BLOCKCACHE => 'true'}

2 row(s) in 0.0710 seconds

hbase(main):031:0> █

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cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

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cloudera

cloudera@quickstart:~

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```
>> 2
hbase(main):029:0> alter 'customer', NAME => 'address', VERSIONS => 5
Updating all regions with the new schema...
1/1 regions updated.
Done.
0 row(s) in 2.3090 seconds

hbase(main):030:0> desc 'customer'
Table customer is ENABLED
customer
COLUMN FAMILIES DESCRIPTION
{NAME => 'address', DATA_BLOCK_ENCODING => 'NONE', BLOOMFILTER => 'ROW', REPLICATION_SCOPE => '0', COMPRESSION => 'NONE', VERSIONS => '5', TTL => 'FOREVER', MIN_VERSION_S => '0', KEEP_DELETED_CELLS => 'FALSE', BLOCKSIZE => '65536', IN_MEMORY => 'false', BLOCKCACHE => 'true'}
{NAME => 'order', DATA_BLOCK_ENCODING => 'NONE', BLOOMFILTER => 'ROW', REPLICATION_SCOPE => '0', VERSIONS => '1', COMPRESSION => 'NONE', MIN_VERSIONS => '0', TTL => 'FOREVER', KEEP_DELETED_CELLS => 'FALSE', BLOCKSIZE => '65536', IN_MEMORY => 'false', BLOCKCACHE => 'true'}
2 row(s) in 0.0710 seconds

hbase(main):031:0> scan 'customer'
ROW                                COLUMN+CELL
Justin                             column=address:city, timestamp=1648197260721, value=Pune
Justin                             column=address:state, timestamp=1648197275891, value=Maharashtra
Justin                             column=address:street, timestamp=1648197293721, value=street2
Justin                             column=order:amount, timestamp=1648197354540, value=60
Justin                             column=order:number, timestamp=1648197336014, value=ORD-16
Nick                               column=address:city, timestamp=1648197017890, value=Mumbai
Nick                               column=address:number, timestamp=1648197149436, value=ORD-15
Nick                               column=address:state, timestamp=1648197068315, value=Maharashtra
Nick                               column=order:amount, timestamp=1648197193433, value=50
Nick                               column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0910 seconds

hbase(main):032:0> █
```

cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Applications Places System

Fri Mar 25, 1:59 AM

cloudera

cloudera@quickstart:~

File Edit View Search Terminal Help

```
Justin                             column=order:number, timestamp=1648197336014, value=ORD-16
Nick                               column=address:city, timestamp=1648197017890, value=Mumbai
Nick                               column=address:number, timestamp=1648197149436, value=ORD-15
Nick                               column=address:state, timestamp=1648197068315, value=Maharashtra
Nick                               column=order:amount, timestamp=1648197193433, value=50
Nick                               column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0910 seconds

hbase(main):032:0> put 'customer','Nick','address:city','Pune'
0 row(s) in 0.0130 seconds

hbase(main):033:0> put 'customer','Nick','address:city','Bangalore'
0 row(s) in 0.0140 seconds

hbase(main):034:0> put 'customer','Nick','address:city','Delhi'
0 row(s) in 0.0190 seconds

hbase(main):035:0> scan 'customer'
ROW                                COLUMN+CELL
Justin                             column=address:city, timestamp=1648197260721, value=Pune
Justin                             column=address:state, timestamp=1648197275891, value=Maharashtra
Justin                             column=address:street, timestamp=1648197293721, value=street2
Justin                             column=order:amount, timestamp=1648197354540, value=60
Justin                             column=order:number, timestamp=1648197336014, value=ORD-16
Nick                               column=address:city, timestamp=1648198762680, value=Delhi
Nick                               column=address:number, timestamp=1648197149436, value=ORD-15
Nick                               column=address:state, timestamp=1648197068315, value=Maharashtra
Nick                               column=order:amount, timestamp=1648197193433, value=50
Nick                               column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0280 seconds

hbase(main):036:0> █
```

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```
scan 'customer', {COLUMN => 'address:city', VERSIONS => 2}
```

cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

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```
hbase(main):032:0> put 'customer','Nick','address:city','Pune'
0 row(s) in 0.0130 seconds
```

```
hbase(main):033:0> put 'customer','Nick','address:city','Bangalore'
0 row(s) in 0.0140 seconds
```

```
hbase(main):034:0> put 'customer','Nick','address:city','Delhi'
0 row(s) in 0.0190 seconds
```

```
hbase(main):035:0> scan 'customer'
ROW                                COLUMN+CELL
Justin                            column=address:city, timestamp=1648197260721, value=Pune
Justin                            column=address:state, timestamp=1648197275891, value=Maharashtra
Justin                            column=address:street, timestamp=1648197293721, value=street2
Justin                            column=order:amount, timestamp=1648197354540, value=60
Justin                            column=order:number, timestamp=1648197336014, value=ORD-16
Nick                              column=address:city, timestamp=1648198762680, value=Delhi
Nick                              column=address:number, timestamp=1648197149436, value=ORD-15
Nick                              column=address:state, timestamp=1648197068315, value=Maharashtra
Nick                              column=order:amount, timestamp=1648197193433, value=50
Nick                              column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0280 seconds
```

```
hbase(main):036:0> scan 'customer', {COLUMN => 'address:city', VERSIONS => 2}
ROW                                COLUMN+CELL
Justin                            column=address:city, timestamp=1648197260721, value=Pune
Nick                              column=address:city, timestamp=1648198762680, value=Delhi
Nick                              column=address:city, timestamp=1648198755614, value=Bangalore
2 row(s) in 0.0260 seconds
```

```
hbase(main):037:0> █
```

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```
Nick                              column=address:city, timestamp=1648198755614, value=Bangalore
Nick                              column=address:city, timestamp=1648198734145, value=Pune
2 row(s) in 0.0350 seconds
```

```
hbase(main):038:0> scan 'customer', {COLUMN => 'address:city', VERSIONS => 1}
ROW                                COLUMN+CELL
Justin                            column=address:city, timestamp=1648197260721, value=Pune
Nick                              column=address:city, timestamp=1648198762680, value=Delhi
2 row(s) in 0.0220 seconds
```

```
hbase(main):039:0> scan 'customer', {COLUMN => 'address:city', VERSIONS => 0}
ROW                                COLUMN+CELL
Justin                            column=address:city, timestamp=1648197260721, value=Pune
Nick                              column=address:city, timestamp=1648198762680, value=Delhi
2 row(s) in 0.0290 seconds
```

```
hbase(main):040:0> scan 'customer', {COLUMN => 'address:city', VERSIONS => 4}
ROW                                COLUMN+CELL
Justin                            column=address:city, timestamp=1648197260721, value=Pune
Nick                              column=address:city, timestamp=1648198762680, value=Delhi
Nick                              column=address:city, timestamp=1648198755614, value=Bangalore
Nick                              column=address:city, timestamp=1648198734145, value=Pune
Nick                              column=address:city, timestamp=1648197017890, value=Mumbai
2 row(s) in 0.0540 seconds
```

```
hbase(main):041:0> scan 'customer', {COLUMN => 'address:city', VERSIONS => 5}
ROW                                COLUMN+CELL
Justin                            column=address:city, timestamp=1648197260721, value=Pune
Nick                              column=address:city, timestamp=1648198762680, value=Delhi
Nick                              column=address:city, timestamp=1648198755614, value=Bangalore
Nick                              column=address:city, timestamp=1648198734145, value=Pune
Nick                              column=address:city, timestamp=1648197017890, value=Mumbai
```

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Right Ctrl

scan 'customer', {VERSIONS => 5}

```
cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox
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Applications Places System Fri Mar 25, 2:09 AM cloudera
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File Edit View Search Terminal Help
Nick column=address:city, timestamp=1648198755614, value=Bangalore
Nick column=address:city, timestamp=1648198734145, value=Pune
Nick column=address:city, timestamp=1648197017890, value=Mumbai
2 row(s) in 0.0540 seconds

hbase(main):041:0> scan 'customer', {COLUMN => 'address:city', VERSIONS => 5}
ROW COLUMN+CELL
Justin column=address:city, timestamp=1648197260721, value=Pune
Nick column=address:city, timestamp=1648198762680, value=Delhi
Nick column=address:city, timestamp=1648198755614, value=Bangalore
Nick column=address:city, timestamp=1648198734145, value=Pune
Nick column=address:city, timestamp=1648197017890, value=Mumbai
2 row(s) in 0.0420 seconds

hbase(main):042:0> scan 'customer', {VERSIONS => 5}
ROW COLUMN+CELL
Justin column=address:city, timestamp=1648197260721, value=Pune
Justin column=address:state, timestamp=1648197275891, value=Maharashtra
Justin column=address:street, timestamp=1648197293721, value=street2
Justin column=order:amount, timestamp=1648197354540, value=60
Justin column=order:number, timestamp=1648197336014, value=ORD-16
Nick column=address:city, timestamp=1648198762680, value=Delhi
Nick column=address:city, timestamp=1648198755614, value=Bangalore
Nick column=address:city, timestamp=1648198734145, value=Pune
Nick column=address:city, timestamp=1648197017890, value=Mumbai
Nick column=address:number, timestamp=1648197149436, value=ORD-15
Nick column=address:state, timestamp=1648197068315, value=Maharashtra
Nick column=order:amount, timestamp=1648197193433, value=50
Nick column=order:number, timestamp=1648197213674, value=ORD-15
2 row(s) in 0.0760 seconds

hbase(main):043:0> █
```

disable 'customer'

drop 'customer'

```
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cloudera@quickstart:~
File Edit View Search Terminal Help
TABLE
customer
customer1
2 row(s) in 0.0160 seconds

=> ["customer", "customer1"]
hbase(main):044:0> disable customer
NameError: undefined local variable or method `customer' for #<Object:0x2a11d1d5>

hbase(main):045:0> disable 'customer'
0 row(s) in 2.3710 seconds

hbase(main):046:0> list
TABLE
customer
customer1
2 row(s) in 0.0140 seconds

=> ["customer", "customer1"]
hbase(main):047:0> disable 'customer'
0 row(s) in 0.0720 seconds

hbase(main):048:0> drop 'customer'
0 row(s) in 1.3830 seconds

hbase(main):049:0> list
TABLE
customer1
1 row(s) in 0.0220 seconds

=> ["customer1"]
hbase(main):050:0> █
```