

Урок 7

1. Установите HBase
2. Создайте таблицу
3. Залейте 5 произвольных записей
4. Выполните одну операцию UPDATE
5. Выполните одну операцию DELETE
6. Выполните SCAN по всем записям

Установка HBase

```

Saving to: 'hbase-2.4.12-bin.tar.gz'
hbase-2.4.12-bin.tar.gz          100%[=====] 270.47M  46.8MB/s   in 7.7s
2022-06-16 12:12:10 (35.0 MB/s) - 'hbase-2.4.12-bin.tar.gz' saved [283605397/283605397]

hduser@localhost:~$
hduser@localhost:~$
hduser@localhost:~$
hduser@localhost:~$ls
derby.log  flume  hadoop  hbase-2.4.12-bin.tar.gz  heartbeat.conf  heartbeat.sh  hive  metastore_db
hduser@localhost:~$ tar xzf hbase-2.4.12-bin.tar.gz
hduser@localhost:~$ rm h
hadoop/
hduser@localhost:~$ mv hbase-2.4.12/ hbase
hduser@localhost:~$ export HBASE_HOME=/home/hduser/hbase/
hduser@localhost:~$ export PATH=$PATH:$HBASE_HOME/bin
hduser@localhost:~$ vi .bashrc

```

Создание таблицы

```

hbase:003:0> create 'my_tbl', 'cf1', 'cf2'
Created table my_tbl
Took 0.7338 seconds
=> Hbase::Table - my_tbl
hbase:004:0> list
TABLE
my_tbl
1 row(s)
Took 0.0278 seconds
=> ["my_tbl"]
hbase:005:0>

```

Записи в таблице через скан

```

hbase:023:0> scan 'my_tbl'
ROW                                COLUMN+CELL
gb                                column=cf1:org, timestamp=2022-06-16T13:13:34.841, value=geekbrains
gb                                column=cf2:users_num, timestamp=2022-06-16T13:13:51.259, value=10000
mr                                column=cf1:org, timestamp=2022-06-16T13:20:23.546, value=mail.ru
mr                                column=cf2:users_num, timestamp=2022-06-16T13:21:36.067, value=9000
ok                                column=cf1:org, timestamp=2022-06-16T13:20:43.462, value=odnoklassniki
ok                                column=cf2:users_num, timestamp=2022-06-16T13:21:52.329, value=100000
vk                                column=cf1:org, timestamp=2022-06-16T13:21:05.811, value=vkontakte
vk                                column=cf2:users_num, timestamp=2022-06-16T13:22:06.680, value=200000

```

Записи для конкретного ключа

```

hbase:025:0> get 'my_tbl', 'gb'
COLUMN                                CELL
cf1:org                                timestamp=2022-06-16T13:13:34.841, value=geekbrains
cf2:users_num                          timestamp=2022-06-16T13:13:51.259, value=10000
1 row(s)
Took 0.0111 seconds
hbase:026:0>

```

Update

```
hbase:027:0> put 'my_tbl', 'vk', 'cf1:org', 'vkontakte mail.ru group'
Took 0.0073 seconds
hbase:028:0> get 'my_tbl', 'vk', {COLUMN => 'cf1:org'}
COLUMN                                CELL
cf1:org                                timestamp=2022-06-16T13:28:42.147, value=vkontakte mail.ru group
1 row(s)
Took 0.0061 seconds
hbase:029:0> █
```

Delete

```
hbase:032:0> deleteall 'my_tbl', 'mr'
Took 0.0043 seconds
hbase:033:0> delete 'my_tbl', 'ok', 'cf2:users_num'
Took 0.0046 seconds
hbase:034:0> scan 'my_tbl'
ROW                                     COLUMN+CELL
gb                                     column=cf1:org, timestamp=2022-06-16T13:13:34.841, value=geekbrains
gb                                     column=cf2:users_num, timestamp=2022-06-16T13:13:51.259, value=10000
ok                                     column=cf1:org, timestamp=2022-06-16T13:20:43.462, value=odnoklassniki
vk                                     column=cf1:org, timestamp=2022-06-16T13:28:42.147, value=vkontakte mail.ru group
vk                                     column=cf2:users_num, timestamp=2022-06-16T13:22:06.680, value=200000
3 row(s)
Took 0.0109 seconds
hbase:035:0> █
```