

```
root@ea7251b5f2fb: /etc/clickhouse-server

Файл  Правка  Вид  Поиск  Терминал  Помощь

GNU nano 4.8 config.xml
<port>9019</port>
</jdbc_bridge>
-->
  <remote_servers>
    <all-sharded>

      <shard>
        <replica>
          <host>clickhouse1</host>
          <port>9000</port>
        </replica>
      </shard>

      <shard>
        <replica>
          <host>clickhouse4</host>
          <port>9000</port>
        </replica>
      </shard>

      <shard>
        <replica>
          <host>clickhouse2</host>
          <port>9000</port>
        </replica>
      </shard>

    </all-sharded>
  </remote_servers>
<!-- Configuration of clusters that could be used in Distributed tables.
      https://clickhouse.com/docs/en/operations/table_engines/distributed/
-->

<!-- The list of hosts allowed to use in URL-related storage engines and table functions.
-->

^G Get Help  ^O Write Out  ^W Where Is   ^K Cut Text   ^J Justify    ^C Cur Pos   M-U Undo
^X Exit      ^R Read File  ^_ Replace    ^U Paste Text ^T To Spell   ^_ Go To Line M-E Redo
```

```
create table shard_test on cluster `all-sharded`
( `hostname` String,
  `value` Int32
) ENGINE = MergeTree()
ORDER BY hostname
```

Для каждого шарда:

```
INSERT INTO shard_test(hostname, value)
SELECT hostname() as hostname, 100 as value;
```

```
7c393ca2c639 :) CREATE TABLE d_shard_test
(
  `hostname` String,
  `value` Int32
) ENGINE = Distributed(`all-sharded`, default, shard_test)
```

```
CREATE TABLE d_shard_test
(
  `hostname` String,
  `value` Int32
)
ENGINE = Distributed(`all-sharded`, default, shard_test)
```

Query id: 1b2e73e5-cae9-48e1-b444-4d853d742b18

Ok.

0 rows in set. Elapsed: 0.140 sec.

```
7c393ca2c639 :) SELECT *,hostName(),_shard_num from d_shard_test
```

```
SELECT
  *,
  hostName(),
  _shard_num
FROM d_shard_test
```

Query id: a986f267-502e-458b-90dc-c8b8ab7ee8fe

hostname	value	hostName()	_shard_num
7c393ca2c639	100	7c393ca2c639	1
7319b9a53772	400	7319b9a53772	2
ea7251b5f2fb	200	ea7251b5f2fb	3

3 rows in set. Elapsed: 0.083 sec.

```
7c393ca2c639 :) █
```

```
7c393ca2c639 :) select * from system.clusters
```

```
SELECT *
FROM system.clusters
```

Query id: 89d034bf-5a86-4464-919e-044a21807c99

cluster	shard_num	shard weight	internal_replication	replica_num	host_name	host_address	port	is_local	user	default_database	errors_count
slowdowns_count	estimated_recovery_time	database_shard_name	database_replica_name	is_active							
all-sharded	1	1	0	1	clickhouse1	172.24.0.5	9000	1	default		0
all-sharded	2	1	0	1	clickhouse4	172.24.0.4	9000	0	default		0
all-sharded	3	1	0	1	clickhouse2	172.24.0.3	9000	0	default		0

3 rows in set. Elapsed: 0.002 sec.

```
7c393ca2c639 :) █
```