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Файл Правка Вид Поиск Терминал Помощь
GNU nano 4.8 config.xml
<!-- Configuration of clusters that could be used in Distributed tables.
https://clickhouse.com/docs/en/operations/table_engines/distributed/
-->
<remote_servers>
<replicated_cluster>
  <shard>
    <internal_replication>true</internal_replication>
    <replica>
      <host>clickhouse1</host>
      <port>9000</port>
    </replica>
    <replica>
      <host>clickhouse2</host>
      <port>9000</port>
    </replica>
    <replica>
      <host>clickhouse4</host>
      <port>9000</port>
    </replica>
  </shard>
</replicated_cluster>
</remote_servers>
<!-- The list of hosts allowed to use in URL-related storage engines and table functions.
If this section is not present in configuration, all hosts are allowed.
-->
<!--<remote_url_allow_hosts-->
<!-- Host should be specified exactly as in URL. The name is checked before DNS resolution.
Example: "clickhouse.com", "clickhouse.com." and "www.clickhouse.com" are different hosts.
If port is explicitly specified in URL, the host:port is checked as a whole.
If host specified here without port, any port with this host allowed.
"clickhouse.com" -> "clickhouse.com:443", "clickhouse.com:80" etc. is allowed, but "clickhouse.com:80" -> only "clickhouse.com"
If the host is specified as IP address, it is checked as specified in URL. Example: "[2a02:6b8:a::a]".
If there are redirects and support for redirects is enabled, every redirect (the Location field) is checked.
Host should be specified using the host xml tag:
  <host>clickhouse.com</host>
-->
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<header_regexp>(?!)(case_insensitive_header)</header_regexp>
</http_forbid_headers> -->

<!-- If element has 'incl' attribute, then for it's value will be used corresponding substitution from another file.
By default, path to file with substitutions is /etc/metrika.xml. It could be changed in config in 'include_from' element.
Values for substitutions are specified in /clickhouse/name_of_substitution elements in that file.
-->

<!-- ZooKeeper is used to store metadata about replicas, when using Replicated tables.
Optional. If you don't use replicated tables, you could omit that.

See https://clickhouse.com/docs/en/engines/table-engines/mergetree-family/replication/
-->
<zookeeper>
  <node index="4">
    <host>zookeeper</host>
    <port>2181</port>
  </node>
</zookeeper>

<!-- Substitutions for parameters of replicated tables.
Optional. If you don't use replicated tables, you could omit that.

See https://clickhouse.com/docs/en/engines/table-engines/mergetree-family/replication/#creating-replicated-tables
-->
<macros>
<shard>04</shard>
<replica>ch4</replica>
</macros>

<!-- Replica group name for database Replicated.
The cluster created by Replicated database will consist of replicas in the same group.
DDL queries will only wait for the replicas in the same group.
Empty by default.
-->
<!--
```

^G Get Help	^O Write Out	^W Where Is	^K Cut Text	^J Justify	^C Cur Pos	M-U Undo	M-A Mark Text	M-I To Bracket	M-O Pre
^X Exit	^R Read File	^N Replace	^U Paste Text	^T To Spell	^_ Go To Line	M-E Redo	M-C Copy Text	^O Where Was	M-W Nex

```
~/Desktop/docker-cm/docker-compose.yml - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

CREATE | docker_comand | docker-compose.yml x | set send_logs_level = 'trace'

16 clickhouse1:
17   image: clickhouse/clickhouse-server
18   ports:
19     - "8002:9000"
20     - "9123:8123"
21   ulimits:
22     nproc: 65535
23     nofile:
24       soft: 262144
25       hard: 262144
26   networks:
27     - ch_replicated
28   depends_on:
29     - zookeeper
30
31 clickhouse2:
32   image: clickhouse/clickhouse-server
33   ports:
34     - "8003:9000"
35     - "9124:8123"
36   ulimits:
37     nproc: 65535
38     nofile:
39       soft: 262144
40       hard: 262144
41   networks:
42     - ch_replicated
43   depends_on:
44     - zookeeper
45
46 clickhouse4:
47   image: clickhouse/clickhouse-server
48   ports:
49     - "8004:9000"
50     - "9125:8123"
51   ulimits:
52     nproc: 65535
53     nofile:
54       soft: 262144
55       hard: 262144
56   networks:
57     - ch_replicated
58   depends_on:
59     - zookeeper
60
61 networks:
62   ch_replicated:
63     driver: bridge
```

```
oem@envy:~$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
7319b9a53772	clickhouse/clickhouse-server	"/entrypoint.sh"	22 minutes ago	Up 10 minutes	9009/tcp, 0.0.0.0:9125->8123/tcp, :::9125->8123/tcp, 0.0.0.0:8004->9000/tcp, :::8004->9000/tcp
7c393ca2c639	clickhouse/clickhouse-server	"/entrypoint.sh"	22 minutes ago	Up 10 minutes	9009/tcp, 0.0.0.0:9123->8123/tcp, :::9123->8123/tcp, 0.0.0.0:8002->9000/tcp, :::8002->9000/tcp
ea7251b5f2fb	clickhouse/clickhouse-server	"/entrypoint.sh"	22 minutes ago	Up 10 minutes	9009/tcp, 0.0.0.0:9124->8123/tcp, :::9124->8123/tcp, 0.0.0.0:8003->9000/tcp, :::8003->9000/tcp
71db945d3a68	bitnami/zookeeper:latest	"/opt/bitnami/script-"	22 minutes ago	Up 10 minutes	0.0.0.0:2888->2888/tcp, :::2888->2888/tcp, 0.0.0.0:3888->2888/tcp, :::3888->2888/tcp

```
oem@envy:~$
```

```
sudo docker exec -ti docker-cm_clickhouse4_1 clickhouse-client
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3 rows in set. Elapsed: 1.392 sec.
7319b9a53772 :) select * from replicated_table

SELECT *
FROM replicated_table

Query id: afee10d3-6ade-4b10-ac33-9b5247c4badc

Ok.

0 rows in set. Elapsed: 0.039 sec.
7319b9a53772 :) insert into replicated_table(ID, Name) VALUES (1,
'Otus')

INSERT INTO replicated_table (ID, Name) FORMAT Values

Query id: fdbf080c-124e-4bd9-b78a-92eab5b9f158

Ok.
Exception on client:
Code: 62. DB::Exception: Cannot parse expression of type String here: ': ' While executing ValuesBlockInputFormat: data for INSERT was parsed from query. (SYNTAX_ERROR)
7319b9a53772 :) insert into replicated_table(ID, Name) VALUES (1,
'Otus')

INSERT INTO replicated_table (ID, Name) FORMAT Values

Query id: ad53257e-f0b9-4cb0-aa3a-4f0680d4f5a2

Ok.

1 row in set. Elapsed: 0.204 sec.
7319b9a53772 :) 
```

```
sudo docker exec -ti docker-cm_clickhouse2_1 clickhouse-client
Файл Правка Вид Поиск Терминал Помощь

Ok.

0 rows in set. Elapsed: 0.003 sec.
ea7251b5f2fb :) select * from replicated_table

SELECT *
FROM replicated_table

Query id: a43d7929-44ba-4010-93b8-b48b49370309

e
ID      Name
1       Otus

1 row in set. Elapsed: 0.005 sec.
ea7251b5f2fb :) 
```

```
sudo docker exec -ti docker-cm_clickhouse1_1 clickhouse-client
Файл Правка Вид Поиск Терминал Помощь

7c393ca2c639 :) select * from replicated_table

SELECT *
FROM replicated_table

Query id: 64995669-fb74-4d2d-8f9a-66a745b01d19

ID      Name
1       Otus

1 row in set. Elapsed: 0.077 sec.
7c393ca2c639 :) 
```

```
compose.yaml
34      - 8003:9000
35      - 9124:8123
/tables
Line 46, Column 15
Spaces: 2
YAML
```