

- 报错截图（于此同时，一个应用在跑400个线程连数据库）

```
[root@10-24-14-215 benchmarkStartSimple]# mysql -h10.24.14.215 -P2883 -uroot@test  
ERROR 2013 (HY000): Lost connection to MySQL server at 'reading authorization packet', system error: 0
```

- yaml信息

```
# OBD Cluster  
oceanbase-ce:  
  servers:  
    - name: host1  
      ip: 10.24.14.8  
    - name: host2  
      ip: 10.24.14.136  
    - name: host3  
      ip: 10.24.14.75  
    - name: host4  
      ip: 10.24.14.178  
    - name: host5  
      ip: 10.24.14.60  
    - name: host6  
      ip: 10.24.14.120  
    - name: host7  
      ip: 10.24.14.126  
    - name: host8  
      ip: 10.24.14.171  
    - name: host9  
      ip: 10.24.14.181  
  global:  
    devname: eth0  
    cluster_id: 1  
    memory_limit: 28G  
    system_memory: 8G  
    stack_size: 512K  
    cpu_count: 16  
    cache_wash_threshold: 1G  
    __min_full_resource_pool_memory: 268435456  
    workers_per_cpu_quota: 10  
    schema_history_expire_time: 1d  
    net_thread_count: 4  
    major_freeze_duty_time: Disable  
    minor_freeze_times: 10  
    enable_separate_sys_clog: 0  
    enable_merge_by_turn: FALSE  
    datafile_disk_percentage: 35  
    syslog_level: WARN  
    enable_syslog_recycle: true  
    max_syslog_file_count: 4  
    appname: ob209  
  host1:  
    mysql_port: 2883  
    rpc_port: 2882  
    home_path: /data/obdata
```

```
zone: zone0
host2:
  mysql_port: 2883
  rpc_port: 2882
  home_path: /data/obdata
  zone: zone0
host3:
  mysql_port: 2883
  rpc_port: 2882
  home_path: /data/obdata
  zone: zone0
host4:
  mysql_port: 2883
  rpc_port: 2882
  home_path: /data/obdata
  zone: zone1
host5:
  mysql_port: 2883
  rpc_port: 2882
  home_path: /data/obdata
  zone: zone1
host6:
  mysql_port: 2883
  rpc_port: 2882
  home_path: /data1/obdata
  zone: zone1
host7:
  mysql_port: 2883
  rpc_port: 2882
  home_path: /data1/obdata
  zone: zone2
host8:
  mysql_port: 2883
  rpc_port: 2882
  home_path: /data1/obdata
  zone: zone2
host9:
  mysql_port: 2883
  rpc_port: 2882
  home_path: /data1/obdata
  zone: zone2

obproxy:
  servers:
    - 10.24.14.215
  global:
    listen_port: 2883
    home_path: /data/obproxy
    rs_list:
      10.24.14.8:2883;10.24.14.136:2883;10.24.14.75:2883;10.24.14.178:2883;10.24.14.60:2883;10.24.14.120:2883;10.24.14.126:2883;10.24.14.171:2883;10.24.14.181:2883
    enable_cluster_checkout: false
    cluster_name: ob209
```

- 租户级别配置项

```
# Resource Unit
CREATE RESOURCE UNIT unit1
  max_cpu = 9,
  max_memory = 15032385536,
  min_memory = 15032385536,
  max_iops = 128,
  min_iops = 128,
  max_session_num = 100,
  max_disk_size = 175506456576;
```

```
# Resource Pool
CREATE RESOURCE POOL pool1
  UNIT = 'unit1',
  UNIT_NUM = 3,
  ZONE_LIST = ('zone0', 'zone1', 'zone2');
```

```
# Tenant
CREATE TENANT IF NOT EXISTS test
  charset='utf8mb4',
  replica_num=3,
  zone_list=('zone0', 'zone1', 'zone2'),
  primary_zone='RANDOM',
  resource_pool_list=('pool1');
ALTER TENANT test SET VARIABLES ob_tcp_invited_nodes='%';
set global secure_file_priv="";
```

- 系统变量的调整

```
-- Benchmark Optimization(System Tenant)
alter system set memory_chunk_cache_size = '16G';
alter system set trx_try_wait_lock_timeout='0ms';
alter system set large_query_threshold='1s';
alter system set trace_log_slow_query_watermark='500ms';
alter system set syslog_io_bandwidth_limit='30m';
alter system set enable_async_syslog=true;
alter system set merger_warm_up_duration_time='0';
alter system set merger_switch_leader_duration_time='0';
alter system set large_query_worker_percentage=10;
alter system set builtin_db_data_verify_cycle = 0;
alter system set enable_merge_by_turn = False;
alter system set minor_merge_concurrency=30;
alter system set memory_limit_percentage = 85;
alter system set memstore_limit_percentage = 80;
alter system set freeze_trigger_percentage = 30;
alter system set enable_syslog_recycle='True';
alter system set max_syslog_file_count=100;
alter system set minor_freeze_times=500;
alter system set minor_compact_trigger=5;
alter system set max_kept_major_version_number=1;
alter system set sys_bkgd_io_high_percentage = 90;
alter system set sys_bkgd_io_low_percentage = 70;
alter system set merge_thread_count = 45;
alter system set merge_stat_sampling_ratio = 1;
```

```
alter system set writing_throttling_trigger_percentage=75 tenant=test;
alter system set writing_throttling_maximum_duration='15m';
set global ob_plan_cache_percentage=20;
alter system set enable_perf_event='false';
alter system set use_large_pages='true';
alter system set micro_block_merge_verify_level=0;
alter system set builtin_db_data_verify_cycle=20;
alter system set net_thread_count=4;
```

```
-- Benchmark Optimization(Test Tenant)
```

```
alter system set _clog_aggregation_buffer_amount=8;
alter system set _flush_clog_aggregation_buffer_timeout='1ms';
set global ob_query_timeout=1000000000;
```