

clickhouse mysql性能对比

clickhouse使用阿里云节点，分布式表根据日期进行分区：

4节点 4core16G配置

测试数据：约1400w

```
mysql> select count(1) from leike_mac_log  
;  
+-----+  
| count(1) |  
+-----+  
| 13953689 |  
+-----+  
1 row in set (1.78 sec)
```

测试数据group by操作

【mysql未命中索引】

clickhouse耗时0.051s，mysql耗时13.5s，快128倍

```
SELECT
    tp,
    count(1)
FROM leike_mac_log_distributed
GROUP BY tp
```

tp	count(1)
pay	16317
expire	2979686
qr	867830
download	5850984
home	4141166

5 rows in set. Elapsed: 0.105 sec. Processed 13.86 million rows, 207.74 MB (131.65 million rows/s., 1.97 GB/s.)

【mysql命中索引】

clickhouse耗时0.08s, mysql耗时 2.1s, 快26倍

2020-11-30	22433
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179 rows in set. Elapsed: 0.081 sec. Processed 3.46 million rows, 6.93 MB (42.78 million rows/s., 85.56 MB/s.)

clickhouse :) █

