Group Insert
Zhang, Yuan
Alibaba Cloud
**Basic idea**

- Insert A
- Insert B
- Insert C

**Limitations**

- only support insert
- insert into one same table
- insert is not in multi-stmt-transaction
- insert is autocommit
One thread per connection

Con1
Leader

Con2
Follower

Con3
Follower

Group

A

B

C

End

Wait until leader end

One thread per connection
Thread pool

worker1
Leader

worker2
Follower

worker3
Follower

Group

A

B

C

release sources for follower
associate fd for follower

End

THD hold resource such as lock and memory

Follower worker return back to threadpool after enter group

Threadpool
Conclusions

• Effective with tokudb and innodb
  sysbench insert.lua about 2X

• Work not well with MyRocks (pipeline write)
Thanks