线上DDL操作

1，利用percano tool 不锁表 进行线上DDL操作

线上工具路径 work@BJC-web01:~/soft/percona-toolkit-3.0.4$

增加索引【注意空格】

```
./bin/pt-online-schema-change -h 10.9.192.10 -p ktvsky5166 -u root --alter='add key `idx_mac_ct` (`create_time`)' --charset=utf8 --execute D=ktv_bar,t=deposit
```

增加列

```
./bin/pt-online-schema-change -h 10.9.192.10 -p ktvsky5166 -u root --alter="add column open_hour tinyint(1) not null default 0 after refund_cnt" --charset=utf8 --execute D=ktv_bar,t=stat_machine_fee
```

```
work@BJC-web01:~/soft/percona-toolkit-3.0.4$ ./bin/pt-online-schema-change -h 10.9.192.10 -
p ktvsky5166 -u root --alter='add key `idx_mac_ct` (`create_time`)' --charset=utf8 --execute
D=ktv_bar,t=deposit
Cannot connect to A=utf8,D=ktv_bar,h=10.9.166.225,p=...,u=root
Cannot connect to A=utf8,D=ktv_bar,h=10.9.83.37,p=...,u=root
No slaves found.  See --recursion-method if host bac68a6c0d2b has slaves.
Not checking slave lag because no slaves were found and --check-slave-lag was not specified.
Operation, tries, wait:
  analyze_table, 10, 1
  copy_rows, 10, 0.25
  create_triggers, 10, 1
  drop_triggers, 10, 1
  swap_tables, 10, 1
  update_foreign_keys, 10, 1
Altering `ktv_bar`.`deposit`...
Creating new table...
Created new table ktv_bar._deposit_new OK.
Altering new table...
Altered `ktv_bar`.`_deposit_new` OK.
2018-03-30T10:04:06 Creating triggers...
2018-03-30T10:04:06 Created triggers OK.
2018-03-30T10:04:06 Copying approximately 8192 rows...
2018-03-30T10:04:06 Copied rows OK.
2018-03-30T10:04:06 Analyzing new table...
2018-03-30T10:04:06 Swapping tables...
2018-03-30T10:04:06 Swapped original and new tables OK.
2018-03-30T10:04:06 Dropping old table...
2018-03-30T10:04:06 Dropped old table `ktv_bar`.`_deposit_old` OK.
2018-03-30T10:04:06 Dropping triggers...
```

2018-03-30T10:04:06 Dropped triggers OK.

Successfully altered `ktv_bar`.`deposit`.

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Cannot connect to A=utf8,D=ktv_bar,h=10.9.166.225,p=...,u=root

Cannot connect to A=utf8,D=ktv_bar,h=10.9.83.37,p=...,u=root

No slaves found. See --recursion-method if host bac68a6c0d2b has slaves.

Not checking slave lag because no slaves were found and --check-slave-lag was not specified.

Operation, tries, wait:

  analyze_table, 10, 1

  copy_rows, 10, 0.25

  create_triggers, 10, 1

  drop_triggers, 10, 1

  swap_tables, 10, 1

  update_foreign_keys, 10, 1

Altering `ktv_bar`.`deposit`...

Creating new table...

Created new table ktv_bar._deposit_new OK.

Altering new table...

2018-03-30T10:04:13 Dropping new table...

2018-03-30T10:04:13 Dropped new table OK.

`ktv_bar`.`deposit` was not altered.

Error altering new table `ktv_bar`.`_deposit_new`: DBD::mysql::db do failed: Duplicate key name 'idx_mac_ct' [for Statement "ALTER TABLE `ktv_bar`.`_deposit_new` add key `idx_mac_ct` (`create_time`)"] at ./bin/pt-online-schema-change line 9142.

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D=ktv_bar,t=deposit

数据库主库密码：

ktvsky_master：

mysql -u root -p521baidu@123 -P 3306 -h 10.10.146.167

ktv_bar-master：

 mysql -u root -pktvsky5166 -P 3306 -h 10.9.192.10

erp-master：

 mysql -u root -p098f6bcd4621d373cade4e832627b4f6 -P 3306 -h 10.9.115.163

 mysql -u root -p098f6bcd4621d373cade4e832627b4f6 -P 3306 -h 10.9.156.178