

處理 Master-Slave 主從不同步

發現問題

```
## 進入 slave Server
mysql> show slave status\G
***** 1. row *****
      Slave_IO_State: Waiting for master to send event
        Master_Host: 10.21.1.180
        Master_User: replication
        Master_Port: 3306
        Connect_Retry: 60
        Master_Log_File: mysql-bin.000021
        Read_Master_Log_Pos: 811004
        Relay_Log_File: dba-lab-01-relay-bin.000003
        Relay_Log_Pos: 617167
        Relay_Master_Log_File: mysql-bin.000012
        Slave_IO_Running: Yes
        Slave_SQL_Running: No
        Replicate_Do_DB:
        Replicate_Ignore_DB:
        Replicate_Do_Table:
        Replicate_Ignore_Table:
        Replicate_Wild_Do_Table:
        Replicate_Wild_Ignore_Table:
          Last_Errno: 1062
          Last_Error: Coordinator stopped because there were error(s) in the worker(s). The most recent failure being: Worker 1 fa
          Skip_Counter: 0
        Exec_Master_Log_Pos: 616954
        Relay_Log_Space: 63717341
        Until_Condition: None
        Until_Log_File:
        Until_Log_Pos: 0
        Master_SSL_Allowed: No
        Master_SSL_CA_File:
        Master_SSL_CA_Path:
        Master_SSL_Cert:
        Master_SSL_Cipher:
        Master_SSL_Key:
        Seconds_Behind_Master: NULL
        Master_SSL_Verify_Server_Cert: No
          Last_IO_Errno: 0
          Last_IO_Error:
          Last_SQL_Errno: 1062
          Last_SQL_Error: Coordinator stopped because there were error(s) in the worker(s). The most recent failure being: Worker 1 fa
        Replicate_Ignore_Server_Ids:
          Master_Server_Id: 1
            Master_UUID: d449e235-c153-11ec-9065-42010a1501b4
          Master_Info_File: mysql.slave_master_info
            SQL_Delay: 0
          SQL_Remaining_Delay: NULL
        Slave_SQL_Running_State:
          Master_Retry_Count: 86400
          Master_Bind:
        Last_IO_Error_Timestamp:
        Last_SQL_Error_Timestamp: 220728 03:07:51
          Master_SSL_Crl:
          Master_SSL_Crlpath:
        Retrieved_Gtid_Set:
        Executed_Gtid_Set:
          Auto_Position: 0
        Replicate_Rewrite_DB:
          Channel_Name:
          Master_TLS_Version:
1 row in set (0.00 sec)

## 主要是看 Last_Error & Last_SQL_Error 這兩個項目的內容，基本上會是相同資訊。
```

查看詳細內容

```
mysql> select * from performance_schema.replication_applier_status_by_worker limit 1\G
***** 1. row *****
```

```

CHANNEL_NAME:
  WORKER_ID: 1
  THREAD_ID: NULL
  SERVICE_STATE: OFF
LAST_SEEN_TRANSACTION: ANONYMOUS
LAST_ERROR_NUMBER: 1062
LAST_ERROR_MESSAGE: Worker 1 failed executing transaction 'ANONYMOUS' at master log mysql-bin.000012, end_log_pos 616923; Could not exec
LAST_ERROR_TIMESTAMP: 2022-07-28 02:58:09
1 row in set (0.00 sec)

```

解決方案

- 確定 Master 的資料為最新最完備之狀態
- 確定 Slave 已經與 Master 完全資料相同
- **如以上兩者成立而出現錯誤，極可能是因為先前 mysqldump 後所造成的後續錯誤**
- 可以選擇一個一個檢查，或是請 binling 直接跳過
 - 另類錯誤：找不到資料

```

Last_SQL_Error: Could not execute Update_rows event on table hcy.t1;
Can't find record in 't1',
Error_code: 1032;
handler error HA_ERR_KEY_NOT_FOUND;
the event's master log mysql-bin.000010, end_log_pos 794

```

- 解決方案(針對上述兩者的錯誤)

```

## 若已經確認 slave 與 master 同步，可以全部跳過 slave 的錯誤
## 設定 set global sql_slave_skip_counter=999; 之類者
## 不需要重新啟動 mysqld

mysql> stop slave; set global sql_slave_skip_counter=1;start slave;
Query OK, 0 rows affected (0.01 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)

mysql> show slave status\G;
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Slave_IO_Running: Yes
Slave_SQL_Running: Yes

```

Reference

線上MYSQL同步報錯故障處理方法總結

在發生故障切換後，經常遇到的問題就是同步報錯，下面是最近收集的報錯資訊。在master上刪除一條記錄，而slave上找不到 解決方法：master要刪除一條記錄，而slave上找不到報錯，這種情況主都已經刪除了，那麼從機可以直接跳過。如果這種情況很多，需要針對這種錯誤專門寫相關指令碼。在slave已經有該記錄，又在master上插入了同一條記錄。解決方法：在slave上用desc hcy.t1; 先看下錶結構：刪除重複的主鍵 在master上和slave上再分別確認一下。在master上更新一條記錄，而slave上找不到

<https://iter01.com/79503.html>