

# MYSQL

## MySQL

MySQL - . :

- OPTIMIZE TABLE:

```
% cdr
OPTIMIZE TABLE cdr;
% tolltickets
OPTIMIZE TABLE tolltickets;
```

OPTIMIZE TABLE (, VARCHAR, BLOB TEXT). , INSERT . , OPTIMIZE TABLE.

: MySQL (, ) /var/lib/mysql. , . , . ( tolltickets 50 3), ( ).  
slave (, IP MySQL). , IP master, slave).

- dump , truncate table. .

, dump ( dump /var/lib/mysql-files), MySQL .

1:

, , :

```
% tolltickets
SELECT * FROM tolltickets INTO OUTFILE '/var/lib/mysql-files/tolltickets.dump' CHARACTER SET utf8 FIELDS
TERMINATED BY ',' OPTIONALLY ENCLOSED BY '"' LINES TERMINATED BY '\n';
% tolltickets
TRUNCATE TABLE tolltickets;
%
LOAD DATA INFILE "/var/lib/mysql-files/tolltickets.dump" IGNORE INTO TABLE tolltickets CHARACTER SET
utf8 FIELDS TERMINATED BY ',' OPTIONALLY ENCLOSED BY '"' LINES TERMINATED BY '\n';
```

:

- , TRUNCATE TABLE, ; LOAD DATA INFILE - ;
- SELECT TRUNCATE , .

### 2 ( MySQL ):

. . tolltickets. IP MySQL ecss1:

1. (ecss1, ecss2):

```
show slave status \G;
```

Seconds\_Behind\_Master = 0, Slave\_IO\_Running: Yes, Slave\_SQL\_Running: Yes.

2. (ecss1, ecss2)

```
stop slave;
```

3. backup ecss2 (ecss2):

```
% tolltickets
SELECT * FROM tolltickets INTO OUTFILE '/var/lib/mysql-files/tolltickets.dump' CHARACTER SET utf8
FIELDS TERMINATED BY ',' OPTIONALLY ENCLOSED BY '"' LINES TERMINATED BY '\n';
```

(, ), SELECT ... INTO OUTFILE WHERE.

4. master- ecss2 (ecss2):

```

show master status \G;
***** 1. row *****
                File: server-mysql-bin.002123
                Position: 532
                Binlog_Do_DB:
                Binlog_Ignore_DB: information_schema,mysql,performance_schema
                Executed_Gtid_Set:
1 row in set (0.00 sec)

```

5. File, Position. .  
tolltickets ecss2 (ecss2):

```
TRUNCATE TABLE tolltickets;
```

6. (ecss2):

```
LOAD DATA INFILE "/var/lib/mysql-files/tolltickets.dump" IGNORE INTO TABLE tolltickets CHARACTER
SET utf8 FIELDS TERMINATED BY ',' OPTIONALLY ENCLOSED BY '"' LINES TERMINATED BY '\n';
```

- ecss2 tolltickets dump. slave ecss2, , slave tolltickets.  
7. slave ecss2 (ecss2):

```
start slave;
```

8. , ecss2 ecss1 (ecss2):

```
show slave status \G;
```

- , Seconds\_Behind\_Master .  
9. IP MySQL ecss1 ecss2 (ecss2).  
ecss2 keepalived (/etc/keepalived/keepalived.conf) "vrrp\_instance VI53" ( ecss2 50, 101), keepalived.

```
sudo systemctl restart keepalived
```

10. , ecss2 (ecss2).

- , IP, 1, ecss1 .  
11. slave ecss2 (ecss2):

```
show slave status \G;
```

- , Seconds\_Behind\_Master .  
12. slave ecss2 (ecss2):

```
stop slave;
```

13. tolltickets ecss1 (ecss1):

```
TRUNCATE TABLE tolltickets;
```

14. slave ecss1 , 5(ecss1):

```
CHANGE MASTER TO MASTER_LOG_FILE='server-mysql-bin.002123', MASTER_LOG_POS=532;
```

15. slave ecss1 (ecss1):

```
start slave;
```

16. , ecss1 ecss2 (ecss1):

```
show slave status \G;
```

17. , Seconds\_Behind\_Master . ,.. tolltickets ecss2.  
master ecss1 (ecss1):

```
show master status \G;
***** 1. row *****
      File: server-mysql-bin.000087
      Position: 142612
    Binlog_Do_DB:
  Binlog_Ignore_DB: information_schema,mysql,performance_schema
Executed_Gtid_Set:
1 row in set (0.00 sec)
```

18. slave ecss2 , 18 (ecss2):

```
CHANGE MASTER TO MASTER_LOG_FILE='server-mysql-bin.000087', MASTER_LOG_POS=142612;
```

19. slave ecss2:

```
start slave;
```

20. , (ecss1, ecss2):

```
show slave status \G;
```

Seconds\_Behind\_Master = 0, Slave\_IO\_Running: Yes, Slave\_SQL\_Running: Yes.  
21. keepalived ecss2 (ecss2).



MySQL (/var/lib/mysql) /tmp. , /tmp .