

参数

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参数应用

参数 - admin_address

admin_address	127.0.0.1	
admin_port	11718	

```
mysql> desc mysql.global_grants;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| USER           | char(32)       | NO   | PRI |          |       |
| HOST           | char(255)      | NO   | PRI |          |       |
| PRIV           | char(32)       | NO   | PRI |          |       |
| WITH_GRANT_OPTION | enum('N','Y') | NO   |     | N        |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.02 sec)
```

```
GRANT SERVICE_CONNECTION_ADMIN ON *.* TO `root`@`localhost` WITH GRANT
OPTION ;
```

参数 - autocommit

讨论: Java 代码要不要 set autocommit=0

Command-Line Format	--autocommit [= {OFF ON}]
System Variable	autocommit
Scope	Global, Session
Dynamic	Yes
<u>SET VAR</u> Hint Applies	No
Type	Boolean
Default Value	ON

```
set autocommit=0;
select ...
select ...
```

```
begin;
select ...
select ...
commit;
```

```
begin;
select ...
select ...
commit and chain
```

参数 - auto_increment_offset ,
auto_increment_increment

课堂练习:

```
create table t(id int auto_increment primary key);  
set auto_increment_increment =2;  
set auto_increment_offset =2;  
2+2*N
```

```
alter table auto_increment = $current + 101/100  
insert into t values(1);  
insert into t values(null);  
select last_insert_id();  
// X  
insert into t values(null);  
select last_insert_id();  
// Y
```

参数 - back_log

1. 默认值 `max_connections`
2. 不会随着 `set global max_connections` 修改

参数 - big_tables

讨论：什么场景下会使用？

Command-Line Format	--big-tables [= {OFF ON}]
System Variable	big_tables
Scope	Global, Session
Dynamic	Yes
<u>SET VAR</u> Hint Applies	No
Type	Boolean
Default Value	OFF

参数 - binlog purge

binlog_expire_logs_auto_purge

binlog_expire_logs_seconds

参数 - binlog_rows_query_log_events

```
#241215 18:56:50 server id 1  end_log_pos 1653 CRC32 0x9b35cdb9      Rows_query  
# insert into t values(null)  
# at 1653
```

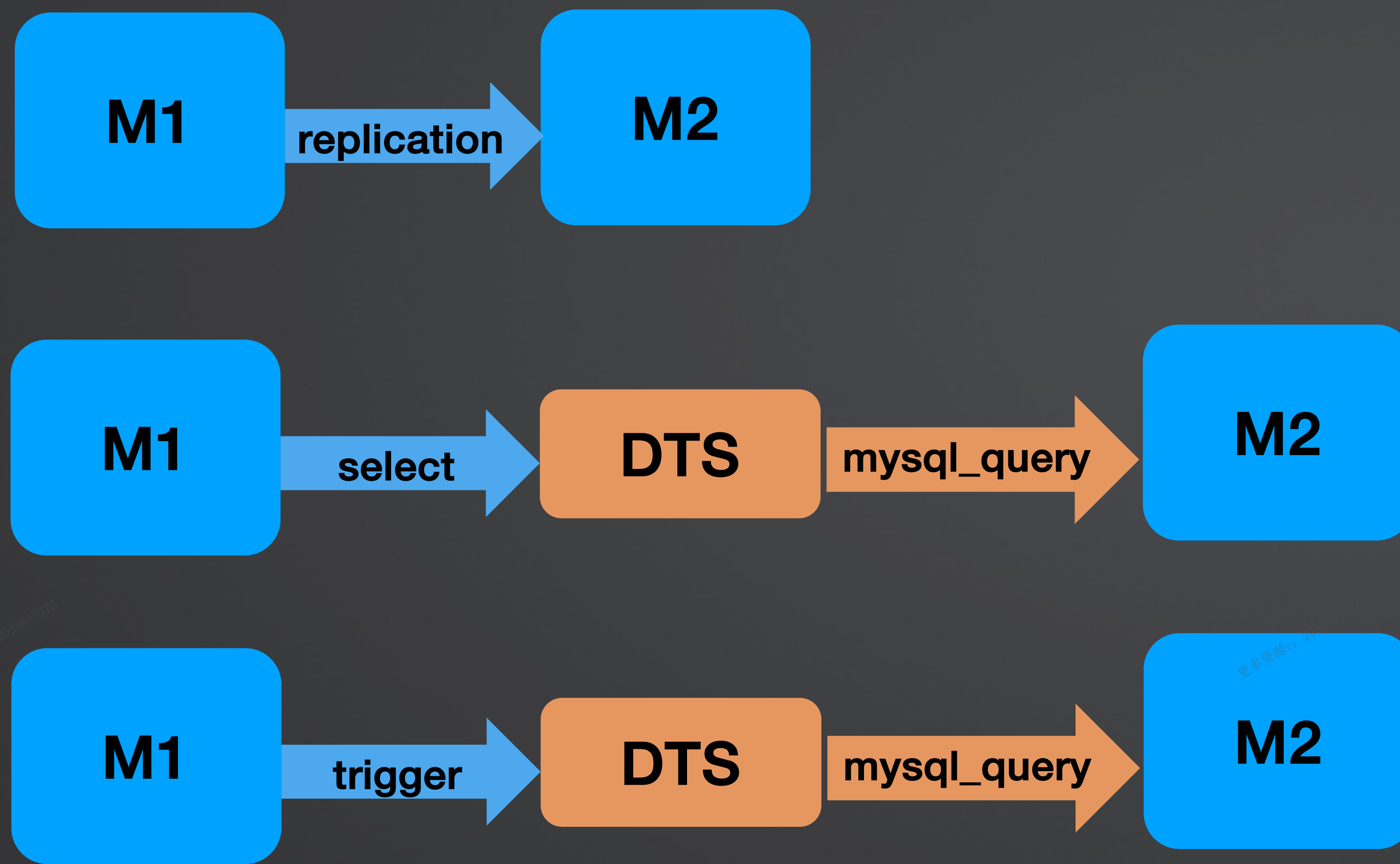
参数 - binlog_row_metadata

```
./mysqlbinlog --print-table-metadata=true -vv
```

```
binlog.000057
# at 434
#241215 18:41:44 server id 1  end_log_pos 732 CRC32 0x53fb7159  Table_map: `test`.`test1` mapped to number 112
# has_generated_invisible_primary_key=0
# Columns(`id` INT NOT NULL,
#         `c1` CHAR(255) CHARSET utf8mb4 COLLATE utf8mb4_0900_ai_ci,
#         `c2` CHAR(255) CHARSET utf8mb4 COLLATE utf8mb4_0900_ai_ci,
#         `c3` CHAR(255) CHARSET utf8mb4 COLLATE utf8mb4_0900_ai_ci,
#         `c4` CHAR(255) CHARSET utf8mb4 COLLATE utf8mb4_0900_ai_ci,
#         `vc1` VARCHAR(79) CHARSET utf8mb4 COLLATE utf8mb4_0900_ai_ci)
# Primary Key(id)
# at 732
#241215 18:41:44 server id 1  end_log_pos 787 CRC32 0xd1b25e84  Write_rows: table id 112 flags: STMT_END_F

BINLOG '
aLJeZxMBAAAYgAAANwCAAAAAHAAAAAAAAEABHRlc3QABXRlc3QxAAyD/v7+/g8Kzvz0/M78zvw8
AT4BAQACA/z/AAQTAmIkAmMxAmMyAmMzAmM0A3ZjMQgBAAwB/Flx+1M=
aLJeZx4BAAANwAAABMDAAAAAHAAAAAAAAEABQABAQAG/yAALTEBAQBhAQBhAQBhAQBhhF6y0Q==
'/*!*/;
### Extra row info for partitioning: partition: 1
### INSERT INTO `test`.`test1`
### SET
### @1=20000000 /* INT meta=0 nullable=0 is_null=0 */
### @2='a' /* STRING(1020) meta=52988 nullable=1 is_null=0 */
### @3='a' /* STRING(1020) meta=52988 nullable=1 is_null=0 */
### @4='a' /* STRING(1020) meta=52988 nullable=1 is_null=0 */
### @5='a' /* STRING(1020) meta=52988 nullable=1 is_null=0 */
### @6=NULL /* VARSTRING(316) meta=316 nullable=1 is_null=1 */
# at 787
#241215 18:41:44 server id 1  end_log_pos 818 CRC32 0x3a57914a  Xid = 254
```

DTS - 需求



DTS - 需求



1. 实时性
2. SQL 语句改写
3. 并发重放

参数 - core_file

ulimit -c unlimited

kill - 6

innodb_buffer_pool_in_core_file

参数 - general_logff

参数 - gtid_next

● gtid_next

System Variable	gtid_next
Scope	Session
Dynamic	Yes
<u>SET VAR</u> Hint Applies	No
Type	Enumeration
Default Value	AUTOMATIC
Valid Values	AUTOMATIC ANONYMOUS <UUID> : <NUMBER>

参数 - group_concat_max_len

```
mysql> select group_concat(id) from t;
+-----+
| group_concat(id) |
+-----+
| 1001,1002,1012,1022,1023,1024,1025 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> set group_concat_max_len=20;
Query OK, 0 rows affected (0.00 sec)

mysql> select group_concat(id) from t;
+-----+
| group_concat(id) |
+-----+
| 1001,1002,1012,1022, |
+-----+
1 row in set, 1 warning (0.00 sec)
```

参数 - lock_wait_timeout

DDL bug <=
8.0.36

Q&A

THANKS