

# Partition Table

## Check if partition is supported

```
> show plugins;
```

## Create partition table

```
create table mm_tx_new (  
  start_time  timestamp(6) not null default '0000-00-00 00:00:00.000000',  
  end_time    timestamp(6),  
  hostname    varchar(20),  
  servername  varchar(20) not null default 'noservername',  
  tx_id       varchar(15),  
  user_opi    varchar(20),  
  tx_resp     integer,  
  primary key(start_time,servername)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci  
PARTITION BY RANGE ( FLOOR(UNIX_TIMESTAMP(start_time)) )  
(PARTITION p202105 VALUES LESS THAN ( FLOOR(UNIX_TIMESTAMP('2021-06-01 00:00:00.000000')) ) ENGINE =  
InnoDB,  
  PARTITION p202106 VALUES LESS THAN ( FLOOR(UNIX_TIMESTAMP('2021-07-01 00:00:00.000000')) ) ENGINE =  
InnoDB,  
  PARTITION p202107 VALUES LESS THAN ( FLOOR(UNIX_TIMESTAMP('2021-08-01 00:00:00.000000')) ) ENGINE =  
InnoDB,  
  PARTITION p202108 VALUES LESS THAN ( FLOOR(UNIX_TIMESTAMP('2021-09-01 00:00:00.000000')) ) ENGINE =  
InnoDB,  
  PARTITION p202109 VALUES LESS THAN ( FLOOR(UNIX_TIMESTAMP('2021-10-01 00:00:00.000000')) ) ENGINE =  
InnoDB,  
  PARTITION p202110 VALUES LESS THAN ( FLOOR(UNIX_TIMESTAMP('2021-11-01 00:00:00.000000')) ) ENGINE =  
InnoDB,  
  PARTITION p202111 VALUES LESS THAN ( FLOOR(UNIX_TIMESTAMP('2021-12-01 00:00:00.000000')) ) ENGINE =  
InnoDB,  
  PARTITION p202112 VALUES LESS THAN ( FLOOR(UNIX_TIMESTAMP('2022-01-01 00:00:00.000000')) ) ENGINE =  
InnoDB,  
  PARTITION p202201 VALUES LESS THAN ( FLOOR(UNIX_TIMESTAMP('2022-02-01 00:00:00.000000')) ) ENGINE =
```

```
InnoDB)
```

```
;
```

## Check partition table

```
> show create table mm_tx_new;
```

## Add new partition for specified table

```
ALTER TABLE `mm_tx_new` REORGANIZE PARTITION pMax INTO (  
    PARTITION p202501 VALUES LESS THAN ( FLOOR(UNIX_TIMESTAMP('2025-02-01 00:00:00.000000')) ) ENGINE  
= InnoDB,  
    PARTITION pMax VALUES LESS THAN MAXVALUE  
);
```

```
“ ??: pMax ?????????? partition ?????????? pMax  
????????????????????????????????
```

## Delete the partition

Purge the data in the specified partition

```
ALTER TABLE <schema.table> TRUNCATE PARTITION <partition-name>
```

Revision #6

Created 3 January 2022 01:29:01 by Admin

Updated 4 January 2022 02:46:13 by Admin