

MySQL 5.7 insert into on duplicate

```
CREATE TABLE `test` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `alias` int(11) NOT NULL,  
  `age` int(11) NOT NULL DEFAULT '0',  
  PRIMARY KEY (`id`),  
  UNIQUE KEY `u_idx_alias` (`alias`) USING BTREE  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

MySQLRR

5.7.20

```
insert into test(alias,age) values(1,1),(3,3),(5,5),(7,7);
```

insert into on duplicate update xxx

	1	2	3
T1	begin;insert into `test` (`alias`,`age`) values (9,9) on duplicate key update age=9;		
T2		begin;insert into `test` (`alias`,`age`) values (10,10) on duplicate key update age=11;	
T3			begin;insert into `test` (`alias`,`age`) values (11,11) on duplicate key update age=11;
T4	commit;		ERROR 1213 (40001): Deadlock found when trying to get lock; try restarting transaction

insertXinsert into on duplicate key,

```
set GLOBAL innodb_status_output_locks=ON;  
set GLOBAL innodb_status_output=ON;
```

MySQL

SQLshow engine innodb status

SQLgap

SQLgapgapgap(gap)T2T3

gap

gapRRdeleteBUG <https://bugs.mysql.com/bug.php?id=50413> BUG

Content Menu

-
-
- gap
- gap
 - 1
 - 25.7

Concurrent "INSERT ...ON DUPLICATE KEY UPDATE" statements run on a table with multiple unique indexes would sometimes cause events to be written to the binary log incorrectly

INSERT ...ON DUPLICATE KEY UPDATEbinlog

gap

ABAB

- 1.
- 2.

id	n
1	1
3	102
5	105
7	107
9	109

Aselect * from test where n = 105 for update n (102,105), (105, 107)

1

BUGMySQL5.7.35MySQL 8

25.7

- RCRCgap
-
- insert on duplicate key updateinsertON DUPLICATE KEY UPDATE
 - insert
 - insert ignoreaffected rows 1