

# Job Arranger for Zabbix - #3543

## JobArrangerServer

09/28/2020 02:56 PM - Anonymous

<b>Status:</b> <span style="color: red;">██</span>	<b>Start date:</b> 09/28/2020
<b>Priority:</b> <span style="color: red;">██</span>	
<b>Assignee:</b>	
<b>Category:</b>	
<b>Target version:</b>	
<b>Description</b> 9/26 13:00 JobArrangerServer mysql 114236:20200926:130013.344 [ERROR] [Z3005] query failed: [1213] Deadlock found when trying to get lock; try restarting transaction [insert into ja_run_value_before_table (inner_job_id, inner_jobnet_id, value_name, before_value) select 876687, inner_jobnet_id, value_name, after_value from ja_run_value_after_table where inner_job_id = 876685] 114236:20200926:130013.347 [WARN] [JAValue300003] In ja_value_after_before() can not insert the data. inner_job_id: 876685 [root@prod-zabbix01 ~]# mysql --version mysql Ver 15.1 Distrib 5.5.50-MariaDB, for Linux (x86_64) using readline 5.1	

### History

#### #1 - 09/30/2020 04:49 PM - Anonymous

SHOW ENGINE INNODB STATUS SQL

```
MariaDB [(none)]> SHOW ENGINE INNODB STATUS; | InnoDB | | =====  
200930 16:31:06 INNODB MONITOR OUTPUT =====  
Per second averages calculated from the last 13 seconds
```

#### BACKGROUND THREAD

```
srv_master_thread loops: 72775401 1_second, 72274627 sleeps, 7277429 10_second, 1570 background, 1470 flush  
srv_master_thread log flush and writes: 48316105
```

#### SEMAPHORES

```
OS WAIT ARRAY INFO: reservation count 89372546, signal count 173571907  
Mutex spin waits 253331384, rounds 1499719209, OS waits 25293145  
RW-shared spins 178798184, rounds 1889722693, OS waits 30486451  
RW-excl spins 31364801, rounds 1232410955, OS waits 28616159  
Spin rounds per wait: 5.92 mutex, 10.57 RW-shared, 39.29 RW-excl
```

#### LATEST FOREIGN KEY ERROR

```
191030 10:29:29 Transaction:  
TRANSACTION 53BFD9FF, ACTIVE 1 sec inserting  
mysql tables in use 1, locked 1  
6 lock struct(s), heap size 1248, 6 row lock(s), undo log entries 14  
MySQL thread id 8926523, OS thread handle 0x7f1da888c700, query id 1689679790 10.238.3.33 zabbix update  
insert into ja_flow_control_table (jobnet_id,start_job_id,end_job_id,update_date,created_date,flow_type,flow_width) values (?,?,?,?);  
Foreign key constraint fails for table `zabbix`.`ja_flow_control_table`:  
  
CONSTRAINT `ja_flow_control_fk2` FOREIGN KEY (`jobnet_id`, `end_job_id`, `update_date`) REFERENCES `ja_job_control_table` (`jobnet_id`,  
`job_id`, `update_date`) ON DELETE CASCADE ON UPDATE CASCADE  
Trying to add in child table, in index `ja_flow_control_fk2` tuple:  
DATA TUPLE: 4 fields;  
0: len 17; hex 735f73665f6e696d3030335f6a6e303031; asc s_sf_nim003_jn001;;  
1: len 22; hex 645f73665f6e696d3030335f6a6e3030315f6a303031; asc d_sf_nim003_jn001_j001;;  
2: len 8; hex 0000125d10ec145b; asc ] [;;  
3: len 4; hex 49462d31; asc IF-1;;  
  
But in parent table `zabbix`.`ja_job_control_table`, in index `PRIMARY`,
```

the closest match we can find is record:  
PHYSICAL RECORD: n\_fields 15; compact format; info bits 0  
0: len 17; hex 735f73665f6e696d3030335f6a6e303031; asc s\_sf\_nim003\_jn001;;  
1: len 22; hex 735f73665f6e696d3030335f6a6e3030315f6a303031; asc s\_sf\_nim003\_jn001\_j001;;  
2: len 8; hex 0000125d10ec145b; asc ] ;;  
3: len 6; hex 000053bfd9ff; asc S ;;  
4: len 7; hex 9b000f402002a4; asc @ ;;  
5: len 4; hex 5d8b1dcc; asc ] ;;  
6: len 4; hex 80000004; asc ;;  
7: len 4; hex 80000129; asc );  
8: len 4; hex 800000af; asc ;;  
9: len 30; hex e4bc81e6a5ade5afa9e69fbbe68385e5a0b1e58f96e8bebc382b7e382a7; asc ; (total 54 bytes);  
10: len 4; hex 80000000; asc ;;  
11: len 4; hex 80000000; asc ;;  
12: len 4; hex 80000000; asc ;;  
13: SQL NULL;  
14: SQL NULL;

-----  
FILE I/O  
-----

I/O thread 0 state: waiting for completed aio requests (insert buffer thread)  
I/O thread 1 state: waiting for completed aio requests (log thread)  
I/O thread 2 state: waiting for completed aio requests (read thread)  
I/O thread 3 state: waiting for completed aio requests (read thread)  
I/O thread 4 state: waiting for completed aio requests (read thread)  
I/O thread 5 state: waiting for completed aio requests (read thread)  
I/O thread 6 state: waiting for completed aio requests (write thread)  
I/O thread 7 state: waiting for completed aio requests (write thread)  
I/O thread 8 state: waiting for completed aio requests (write thread)  
I/O thread 9 state: waiting for completed aio requests (write thread)  
Pending normal aio reads: 0 [0, 0, 0, 0] , aio writes: 0 [0, 0, 0, 0] ,  
ibuf aio reads: 0, log i/o's: 0, sync i/o's: 0  
Pending flushes (fsync) log: 0; buffer pool: 0  
1103449721 OS file reads, 2571700473 OS file writes, 381051377 OS fsyncs  
24.77 reads/s, 16384 avg bytes/read, 37.92 writes/s, 8.00 fsyncs/s

-----  
INSERT BUFFER AND ADAPTIVE HASH INDEX  
-----

lbuf: size 26, free list len 82, seg size 109, 240004538 merges  
merged operations:  
insert 556056113, delete mark 2932519, delete 1797872  
discarded operations:  
insert 0, delete mark 0, delete 0  
Hash table size 276671, node heap has 157 buffer(s)  
5738.40 hash searches/s, 426.35 non-hash searches/s

---  
LOG  
---

Log sequence number 2224507850687  
Log flushed up to 2224507848891  
Last checkpoint at 2224505527967  
Max checkpoint age 7782360  
Checkpoint age target 7539162  
Modified age 2308725  
Checkpoint age 2322720  
0 pending log writes, 0 pending chkp writes  
281380707 log i/o's done, 4.23 log i/o's/second

-----  
BUFFER POOL AND MEMORY  
-----

Total memory allocated 137756672; in additional pool allocated 0  
Total memory allocated by read views 6320  
Internal hash tables (constant factor + variable factor)  
Adaptive hash index 4789872 (2213368 + 2576504)  
Page hash 139112 (buffer pool 0 only)  
Dictionary cache 1833721 (554768 + 1278953)  
File system 83536 (82672 + 864)  
Lock system 343400 (332872 + 10528)  
Recovery system 0 (0 + 0)  
Dictionary memory allocated 1278953  
Buffer pool size 8191  
Buffer pool size, bytes 134201344  
Free buffers 0  
Database pages 8034

Old database pages 2946  
Modified db pages 3425  
Pending reads 0  
Pending writes: LRU 0, flush list 0, single page 0  
Pages made young 2032752351, not young 0  
17.15 youngs/s, 0.00 non-youngs/s  
Pages read 1103451767, created 38439890, written 2223233667  
24.77 reads/s, 0.46 creates/s, 31.61 writes/s  
Buffer pool hit rate 998 / 1000, young-making rate 1 / 1000 not 0 / 1000  
Pages read ahead 0.00/s, evicted without access 0.00/s, Random read ahead 0.00/s  
LRU len: 8034, unzip\_LRU len: 0  
I/O sum<sup>1743</sup>:cur<sup>8</sup>, unzip sum<sup>0</sup>:cur<sup>0</sup>

#### ROW OPERATIONS

0 queries inside InnoDB, 0 queries in queue  
1 read views open inside InnoDB  
0 transactions active inside InnoDB  
0 out of 1000 descriptors used  
---OLDEST VIEW---

Normal read view

Read view low limit trx n:o 1375771E9  
Read view up limit trx id 1375771E9  
Read view low limit trx id 1375771E9  
Read view individually stored trx ids:

Main thread process no. 2971, id 139765426849536, state: sleeping  
Number of rows inserted 4071858735, updated 236245159, deleted 3973919745, read 255225836954  
80.53 inserts/s, 3.62 updates/s, 0.00 deletes/s, 11978.23 reads/s

#### LATEST DETECTED DEADLOCK

200927 21:30:07

- (1) TRANSACTION:  
TRANSACTION 134FC0799, ACTIVE 0 sec inserting  
mysql tables in use 2, locked 2  
LOCK WAIT 8 lock struct(s), heap size 1248, 5 row lock(s), undo log entries 7  
MySQL thread id 20842247, OS thread handle 0x7f1d9c0c5700, query id 14020756596 localhost zabbix Sending data  
insert into ja\_run\_value\_before\_table (inner\_job\_id, inner\_jobnet\_id, value\_name, before\_value) select 888366, inner\_jobnet\_id, value\_name,  
after\_value from ja\_run\_value\_after\_table where inner\_job\_id = 888364
- (1) WAITING FOR THIS LOCK TO BE GRANTED:  
RECORD LOCKS space id 0 page no 872 n bits 296 index `ja\_run\_value\_before\_fk1` of table `zabbix`.`ja\_run\_value\_before\_table` trx id  
134FC0799 lock\_mode X locks gap before rec insert intention waiting
- (2) TRANSACTION:  
TRANSACTION 134FC0797, ACTIVE 0 sec setting auto-inc lock  
mysql tables in use 2, locked 2  
19 lock struct(s), heap size 3112, 51 row lock(s), undo log entries 28  
MySQL thread id 20717818, OS thread handle 0x7f1dc43bd700, query id 14020756612 localhost zabbix Sending data  
insert into ja\_run\_value\_before\_table (inner\_job\_id, inner\_jobnet\_id, value\_name, before\_value) select 888385, inner\_jobnet\_id, value\_name,  
after\_value from ja\_run\_value\_after\_table where inner\_job\_id = 888386
- (2) HOLDS THE LOCK:  
RECORD LOCKS space id 0 page no 872 n bits 296 index `ja\_run\_value\_before\_fk1` of table `zabbix`.`ja\_run\_value\_before\_table` trx id  
134FC0797 lock\_mode X
- (2) WAITING FOR THIS LOCK TO BE GRANTED:  
TABLE LOCK table `zabbix`.`ja\_run\_value\_before\_table` trx id 134FC0797 lock mode AUTO-INC waiting
- WE ROLL BACK TRANSACTION (1)

#### TRANSACTIONS

Trx id counter 137577224  
Purge done for trx's n:o < 13757719A undo n:o < 0  
History list length 2093  
LIST OF TRANSACTIONS FOR EACH SESSION:  
---TRANSACTION 0, not started  
MySQL thread id 20935136, OS thread handle 0x7f1da8089700, query id 14119975655 localhost root  
SHOW ENGINE INNODB STATUS  
---TRANSACTION 1375771E7, not started  
MySQL thread id 20926243, OS thread handle 0x7f1d9c1e9700, query id 14119975383 localhost zabbix  
---TRANSACTION 1375771E4, not started  
MySQL thread id 20926240, OS thread handle 0x7f1da871f700, query id 14119975380 localhost zabbix  
---TRANSACTION 1375771D3, not started  
MySQL thread id 20926242, OS thread handle 0x7f1da89f9700, query id 14119975331 localhost zabbix  
---TRANSACTION 1375771EB, not started  
MySQL thread id 20926241, OS thread handle 0x7f1da8768700, query id 14119975391 localhost zabbix

---TRANSACTION 137577223, not started  
MySQL thread id 20926238, OS thread handle 0x7f1dc40e0700, query id 14119975654 localhost zabbix  
---TRANSACTION 1375771E8, not started  
MySQL thread id 20926239, OS thread handle 0x7f1da85fb700, query id 14119975384 localhost zabbix  
---TRANSACTION 1375771D0, not started  
MySQL thread id 20842888, OS thread handle 0x7f1da8ad4700, query id 14119975323 localhost zabbix  
---TRANSACTION 137577010, not started  
MySQL thread id 20842876, OS thread handle 0x7f1da868d700, query id 14119973601 localhost zabbix  
---TRANSACTION 137577127, not started  
MySQL thread id 20718759, OS thread handle 0x7f1da8843700, query id 14119974657 localhost zabbix  
---TRANSACTION 137576209, not started  
MySQL thread id 19086145, OS thread handle 0x7f1d9c4c3700, query id 14119966090 localhost zabbix  
---TRANSACTION 1375756F0, not started  
MySQL thread id 11517568, OS thread handle 0x7f1da848e700, query id 14119955838 localhost zabbix  
---TRANSACTION 137575C97, not started  
MySQL thread id 346890, OS thread handle 0x7f1dc4129700, query id 14119960891 localhost zabbix  
---TRANSACTION 137575FB8, not started  
MySQL thread id 35, OS thread handle 0x7f1da89b0700, query id 14119963900 localhost zabbix  
---TRANSACTION 137577018, not started  
MySQL thread id 16, OS thread handle 0x7f1da8cd3700, query id 14119973618 localhost zabbix  
---TRANSACTION 137576C1E, not started  
MySQL thread id 25, OS thread handle 0x7f1da8a8b700, query id 14119969910 localhost zabbix  
---TRANSACTION 13756DD70, not started  
MySQL thread id 22, OS thread handle 0x7f1da8b66700, query id 14119874176 localhost zabbix  
---TRANSACTION 137576EF1, not started  
MySQL thread id 14, OS thread handle 0x7f1dc4097700, query id 14119972507 localhost zabbix  
---TRANSACTION 13757459F, not started  
MySQL thread id 21, OS thread handle 0x7f1da8baf700, query id 14119944240 localhost zabbix  
---TRANSACTION 1375771EE, not started  
MySQL thread id 18, OS thread handle 0x7f1da8c41700, query id 14119975397 localhost zabbix  
---TRANSACTION 1375771D1, not started  
MySQL thread id 9, OS thread handle 0x7f1dc4299700, query id 14119975327 localhost zabbix  
---TRANSACTION 137576CF4, not started  
MySQL thread id 26, OS thread handle 0x7f1da8a42700, query id 14119970662 localhost zabbix  
---TRANSACTION 137573754, not started  
MySQL thread id 23, OS thread handle 0x7f1da8b1d700, query id 14119936386 localhost zabbix  
---TRANSACTION 137577198, not started  
MySQL thread id 19, OS thread handle 0x7f1da8bf8700, query id 14119975064 localhost zabbix  
---TRANSACTION 13757717C, not started  
MySQL thread id 8, OS thread handle 0x7f1dc42e2700, query id 14119974995 localhost zabbix  
---TRANSACTION 137575887, not started  
MySQL thread id 20, OS thread handle 0x7f1dc4374700, query id 14119956822 localhost zabbix  
---TRANSACTION 1375771ED, not started  
MySQL thread id 17, OS thread handle 0x7f1da8c8a700, query id 14119975393 localhost zabbix  
---TRANSACTION 13757717B, not started  
MySQL thread id 10, OS thread handle 0x7f1dc4250700, query id 14119974989 localhost zabbix  
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END OF INNODB MONITOR OUTPUT ===== |

#2 - 10/06/2020 01:36 PM - 000000 00

- Status changed from 0000 to 0000

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<https://www.jobarranger.info/redmine/issues/2002>

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### Files

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jobarg_server.log	381 KB	09/28/2020	Anonymous
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