Moscore QM - Bug #254

Moscore QM database server seems to lock up at times

06/04/2015 03:42 AM - Walter Pate

Status:	Closed		**Start date:**	06/04/2015
Priority:	Immediate		**Due date:**	02/29/2016
Assignee:	Jamie Pate		**% Done:**	0%
Category:	database		**Estimated time:**	0.00 hour
Target version:	1.3.32		**Spent time:**	29.50 hours

Description

During large races it appears that the database gets too busy and locks up. My hunch is that this is caused by poor network setup and tmsqm_scoresheet.addpass() which currently checks for out of order passings supplied by the decoder, and initiates a reload of the entire race from the database if this happens. Certain conditions may cause the decoder to return out of order passings multiple times a second, which may cause the system to appear to lock up.

~~The customers are reporting it but we don't have an adequate easy method for them to capture the error and report all the necessary data to us. We need to create an easy one button report system that the customer can use and send us the one file that gives us the necessary data for easy data analysis~~ Separate issue #272

History

#1 - 02/02/2016 04:58 AM - Jamie Pate

- Description updated

- Due date set to 02/29/2016

- Status changed from New to In Progress

- Priority changed from Normal to Immediate

#2 - 02/02/2016 05:14 AM - Jamie Pate

The initial plan of attack is:

- remove the 'reload' code from tmsqm_scoresheet.addpass()
- Add queueing code to the TTranx which would buffer passings for a short time during passing clusters to guarantee in-order data is received by the scoresheet component.
- Add **unit tests** to test the correct operation of TTranx

#3 - 02/15/2016 08:12 AM - Jamie Pate

- Status changed from In Progress to Resolved

http://moscore.com/d3tspdata/?dbname=lqma2015&raceid=9313&status=green <- i used this race to confirm, it has 7 out of order passings during the green flag. You can use that tool to try to find races that have a high occurrence of out of order passings in other databases as well.

#4 - 03/20/2016 05:29 AM - Jamie Pate

Some major issues with this fix:

The timer was only triggering every 1 second, which could significantly delay outgoing passings.

Added a user option to increase or decrease the evict timeout.

#5 - 03/26/2016 03:56 AM - Walter Pate

- Status changed from Resolved to In Progress

User option added, but will the customers be able to understand how to make changes? help file need updating in the General Options section
Changed status back to In Progress

#6 - 03/26/2016 03:59 AM - Jamie Pate

- Status changed from In Progress to Resolved

Documentation is a separate issue.

#7 - 03/26/2016 04:12 AM - Walter Pate

If changes are made which require specific settings, Instructions should be included with the changes at the time of first release, otherwise customers who are trying to troubleshoot an issue will be working blind on setting changes there should be documentation on the changes

#8 - 06/04/2016 04:47 AM - Walter Pate

- Status changed from Resolved to Feedback

awaiting customer feedback

#9 - 06/16/2016 11:49 AM - Jamie Pate

- Status changed from Feedback to Resolved

#10 - 08/04/2017 08:14 PM - Walter Pate

- Status changed from Resolved to Closed

no further reports of this issue