

Enduro/X Core - Feature #160

Add feature to XA subsystem so that if tpbegin fails, then do tpclose/tpopen/tpbegin again

06/19/2017 09:58 AM - Madars

Status:	Closed	Start date:	06/19/2017
Priority:	High (Code 3)	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>In setups where there is firewall between the application and database, the firewall might drop the connections after some period of inactivity. This tpbegin() for process might fail.</p> <p>The option would be here: http://www.silodev.com/lxr/source/libatmi/xa.c#0291</p> <p>If xa_start() (begin/join transaction) fails, then call xa_close(), xa_open() and then again xa_start(), and return error only after second attempt. This would solve any connection issues. The setting could be new environment variable, format lets say "<list of error codes, or "*">:<retry count>:<sleep microseconds between attempts>". for example "RECON:*:3:100000;".</p> <ol style="list-style-type: none">1. attempt 1: xa_start() fails2. sleep 0.1 sec3. attempt 2: xa_close(), xa_open(), xa_start() fails4. sleep 0.1 sec5. attempt 3: xa_close(), xa_open(), xa_start() OK.. continue... <p>The generic flags env variable named "NDRX_XA_FLAGS" could be added. It could keep various settings, format could CSV separated, TAG1:<value1>,...., TAGN:<valueN>.</p> <p>For this case</p> <pre>NDRX_XA_FLAGS=RECON:*:3:100000;OTHERTAG:someotherdata;</pre> <p>The RECON tag would match the logic described above.</p>			

History

#1 - 06/19/2017 10:02 AM - Madars

- Priority changed from Normal (Code 4) to High (Code 3)

#2 - 06/19/2017 11:23 AM - Madars

changes shall go to 3.8.x and 4.0.x versions.

#3 - 06/22/2017 07:36 PM - Madars

- Status changed from New to Resolved

- % Done changed from 0 to 100

#4 - 06/22/2017 07:36 PM - Madars

- Status changed from Resolved to Closed