

Enduro/X Core - Support #693

Commit rules description

05/31/2021 10:36 AM - Lauris

Status:	New	Start date:	05/31/2021
Priority:	Normal (Code 4)	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>2. Secondly rules for tpcommit/tpabort/tpsuspend/tpresume must be described, when after an error (and what error) process still is in transaction. Currently seems that tpcommit/tpabort after an error will put processes outside of the transaction. For others needs to be defined and logic must be clarified / updated to have some logical outcomes.</p>			
<p>3. Consider caching the transaction outcomes, if for example web service performs re-attempted commits, due to timeout.</p>			
<p>4. When new DB joins the global transaction, currently it is reported to tmsrv only after then join. The proper way would be to report tmsrv before join. So that if timeout occurs at the particular moment at the tmsrv, but server did not yet join (some race condition between tmsrv & server), then after the tmsrv timeout, that particular transaction branch may be orphaned. Thus tmsrv will not perform timeout, as transaction is completed and is not aware of some transaction branch. Orphan txn may be rolled back by either resource manager (DB) timeout or xadmin recoverlocal / xadmin abortlocal.</p>			
<p>5. Error codes for tpresume() in case if transaction is expired and we perform fresh join (currently we get TPESYSTEM, probably needs to be TPEINVAL).</p>			