

Wt - Improvements #9046

WServer::post() and strand

09/08/2021 01:42 AM - Adrian B

Status:	New	Start date:	09/08/2021
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
I see that WServer::post() uses an unique boost::asio::io_service::strand (in WIOService.C)			
Would it not be better to add a strand per session ?			
It would allow all the worker to be used concurrently to process work from distinct sessions.			
Currently, if post() have been used for multiple session, only one worker/thread will handle the load at a time, which seems rather inefficient.			
In this case, the session lock would not be needed anymore (if all access to the session goes through post() or the strand).			

History

#1 - 09/08/2021 01:52 AM - Adrian B

Also, no locking is done inside the worker, so we don't occasionally keep a worker busy doing nothing apart waiting for another posted event of the same session to be completely processed.