

Bela - Feature #1375
Allow AuxiliaryTask to run in a linux pthread

2015-08-20 04:06 PM - Giulio Moro

Status:	Closed	Start date:	2015-08-20
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>This is so to avoid too many mode switches in a thread that deals all the times with Linux kernel (e.g.: socket, file I/O).</p> <p>The interface should use BeagleRT_createAuxiliaryTask with a special priority value (e.g.: 0 or -1)</p>			

History

#1 - 2015-08-20 04:07 PM - Giulio Moro

This is so to avoid too many mode switches in a thread that deals all the times with Linux kernel (e.g.: socket, file I/O).

The interface should use BeagleRT_createAuxiliaryTask with a special priority value (e.g.: 0 or -1).

It should also make debugging easier (as gdb has issues with xenomai threads)

#2 - 2016-06-25 08:40 PM - Giulio Moro

- Status changed from New to Closed

actually, it is probably better to keep them as xenomai threads, so that they obey to the xenomai scheduler. Once they switch to secondary mode, they will not switch back.