

## Bela - Feature #1375

### Allow AuxiliaryTask to run in a linux pthread

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

<b>Status:</b>	Closed	<b>Start date:</b>	2015-08-20
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			

#### Description

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)

#### 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.