

AMiRo-OS - Feature #590

System (de)initialization with disabled bootloader

2019-03-08 13:16 - Thomas Schöpping

Status:	Resolved	Start date:	2019-03-08
Priority:	Low	Due date:	
Assignee:	Thomas Schöpping	% Done:	100%
Category:		Estimated time:	20.00 hours
Target version:			
Description			
Introduce a possibility to configure AMiRo-OS to not use a bootloader, so that the OS will fully initialize the hardware, including SSSP related signal handling and synchronization (if SSSP is enabled).			

History

#1 - 2019-03-08 13:28 - Thomas Schöpping

- Parent task set to #593

#2 - 2019-03-08 13:28 - Thomas Schöpping

- Parent task deleted (#593)

#3 - 2019-11-14 09:27 - Thomas Schöpping

- Status changed from New to Resolved

- Assignee set to Thomas Schöpping

- % Done changed from 0 to 100

Four new flags have been introduced to aosconf.h:

- AMIROOS_CFG_BOOTLOADER
Controls the bootloader to be used alongside with AMiRo-OS.
Currently allowed values are:
 - AOS_BOOTLOADER_NONE
No bootloader is available.
 - AOS_BOOTLOADER_AMiRoBLT
AMiRo-BLT is used as bootloader.
- AMIROOS_CFG_SSSP_STARTUP
Controls, whether the SSSP startup sequence (see [[SSSP_v1-4|SSSP 1.4]] until startup stage 2.2) shall be executed by AMiRo-OS (set to true) or is handled by some other system, i.e. a bootloader (set to false).
- AMIROOS_CFG_SSSP_SHUTDOWN
Controls, whether the SSSP shutdown sequence (see [[SSSP_v1-4|SSSP 1.4]] from shutdown stage 1.3) shall be executed by AMiRo-OS (set to true) or is handled by some other system, i.e. a bootloader (set to false).
- AMIROOS_CFG_SSSP_MSI
Controls, whether the optional module stack initialization (see [[SSSP_v1-4|SSSP 1.4]] startup phase stage 3) shall be performed.