

## AMiRo-OS - Feature #590

### System (de)initialization with disabled bootloader

2019-03-08 13:16 - Thomas Schöpping

<b>Status:</b>	Resolved	<b>Start date:</b>	2019-03-08
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>	Thomas Schöpping	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	20.00 hours
<b>Target version:</b>			
<b>Description</b>			
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.