

Memory Stack Task

Ticket:

We need to configure two NVM blocks in the NvM module with their corresponding blocks in Fee. We already created the blocks in NvM and Fee but we have some parameters that we need you to configure. The two NVM blocks are MirrorConfigBlock and InternalFaultsBlock. Please Find Below the project requirements that might be related to these blocks and the requirements for each block.

For the Ecu requirements:

- All modules should detect errors of the module during run-time
- The Fee should not provide polling call back function for the Fls module
- The main functions should be cyclic with periodicity that maintain the behavior of the scheduler and make sure that the Cpload is not greater than 80% after adding your main functions to the corresponding task.
- All blocks should use Crc 16
- maximum number of bytes which shall be processed within one cycle of job processing is 64 bytes and all blocks
- we need to enable the fast mode while using writeAll and readall

For the Blocks requirements:

- MirrorConfigBlock:
 - The data stored in this block don't need backup.
 - The data stored in this block is a structure of 4 uint8.
 - Enable Check block length
- InternalFaultsBlock:
 - This block stores need to have a backup for in case of any corruption.
 - The data stored in this block is a structure of 12 uint8.
 - This block need to notify the application after finishing writing this block