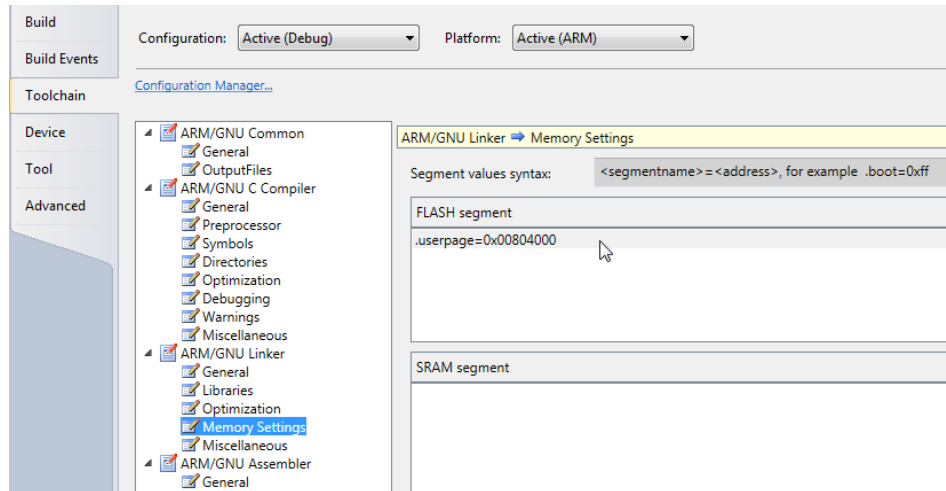


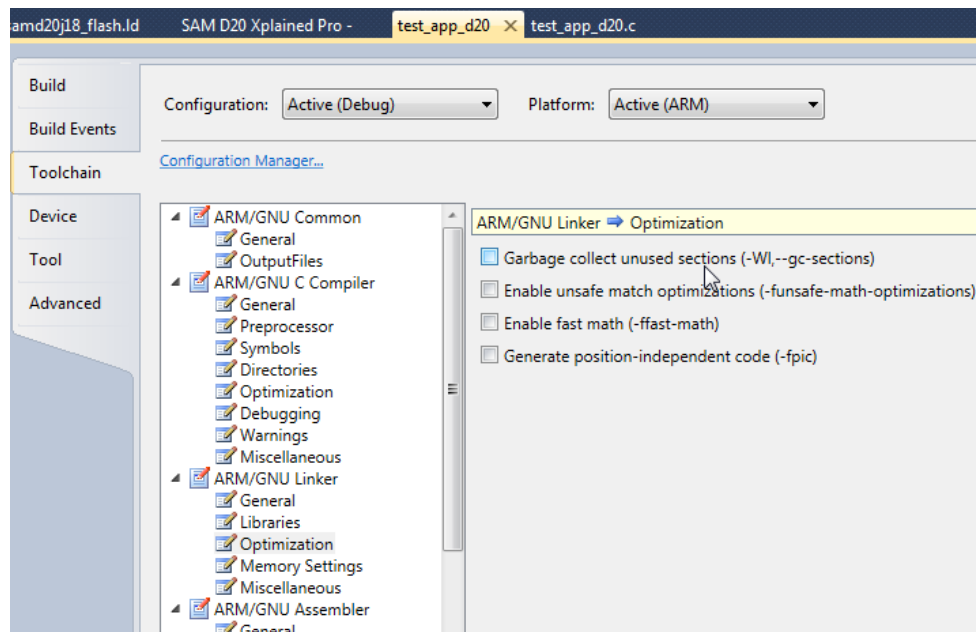
How can I generate ELF file where the application firmware and fuses are included for SAM D/L/C devices?

Follow the below procedure:

- Define the user page section in project properties (Project Properties -> ARM/GNU Linker -> Memory Settings) as shown in the picture in the attached zip file (usersig.png)



- Uncheck the option 'Garbage collect unused section' in Project Properties -> ARM/GNU Linker -> Optimization



- Modify the linker script to include two symbols `__bss_start__` and `__bss_end__`. Attached the modified linker script file.

- Define the required fuse settings as a global array

```
uint32_t fusedata[] __attribute__((used)) __attribute__((section (".userpage"))) =  
{0xD9E0C7FF, 0xFFFFFFFF5D};
```

- Build the project, the generated elf file will have the above fuse values and the application code

This generated ELF file can be programmed from atprogram command line,

```
atprogram.exe -t edbg -i SWD -d ATSAMD20J18 program -f test_app.elf
```

Note: If you program through Atmel Studio Device Programming, fuse bits may not be programmed properly.