Things to take in consider if compiling the BLACKSheep software:

* If you have VDK projects set tickperiod to 0.05ms

* Compile the web server without WEBS_PAGE_ROM macro define enabled for file io access

* Add “driver/include” and “blacksheep/include” as standard include directories within your project settings

* Be sure the stack size of each thread is great enough, otherwise unexpected behaviour would be the result.

* IO libraries: not using dinkum io library may cause some problems with printf.
Add “#define _DINKUM_IO” define to the project options.

* On cm-bf561 BLACKSheep single core projects enable _USE_SHARED_MEMORY_ switch in the ldf preprocessing macros.
This creates a section l2_sram that is needed by “adi_pwr_lockvar” declaration from power management service (it is the global variable to synchronize pll changes between the two cores)

* Be sure that the “xxx_proc.xml” file is adapted on your hardware (register reset definitions) This file is located in the install directory of the VDSP++ within the subdirectory “ArchDef”.

* Be sure to have activated (selected) core b in the VDSP++ environment, otherwise you cannot load the flash driver

* If you don’t use the _USE_VDK_ macro some wait cycles may not be exact because they uses the __PROCESSOR_SPEED__ macro located in “cycle_count_bf.h” and that macro assumes maximum core frequency maybe also this is not exact, depending on the crystal frequency that you use..

* If you use the _USE_VDK_ makro be sure to initialize the adi power management service, because some driver uses this service to detect the core clock frequency for calculating the ticks for some wait functions.

* MAX_NOF_OPEN_FILES macro, defined in fat.h is currently limited to 5. It means that you can open max 5 files contemporaneously.

* If you use the NET2272 usb device chip the asyncronous interface timing is critical, look at example.