

CASPER Memo 014

Xilinx XPS Software Compilation Optimization Settings

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1 Motivation

While trying to add telnet support to the pocketspec, we encountered a fatal error: the compilation ran out of space on the Block RAM.

2 Investigation

Recalling one of Pierre's many suggestions, we modified the compiler options by hand in the file `system.xmp`, which specifically states: "Do not modify this file by hand."

3 Results

After a little investigation, we discovered that setting `CompilerOptLevel` to 4 results in the smallest build.