## https://source.mnt.re/amiga/zz9000-firmware/-/merge\_requests/18

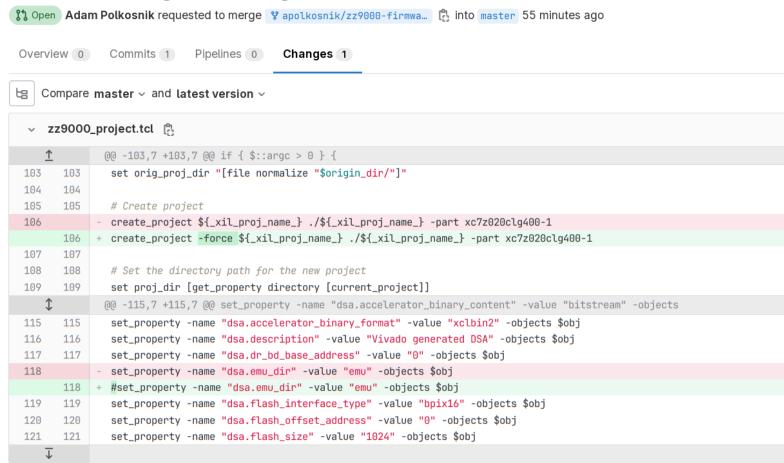
When building with Vivado 2023.2 I would get the following error:

ERROR: [Common 17-142] Invalid property name 'dsa.emu\_dir'. Please use the 'list\_property' command to find properties supported by the target 'project' object.

Commenting out the line allowed the build to proceed, as I couldn't find this property documented anywhere.

The other change is adding "-force" flag to create\_project directive, which allows the script to proceed when there are some remnants in place of a failed tcl script run.

## Allows building/rebuilding with Vivado 2023.2



As Vivado projects are not suitable for version control, the Vivado project / block design is exported as a TCL script zz9000\_project.tcl.

Start Vivado from your terminal in tcl mode:

source /path/to/Xilinx/Vivado/2018.3/settings64.sh

cd /place/where/you/checked/out/zz9000-firmware vivado -mode tcl

Then, execute in the Vivado TCL shell:

source zz9000\_project.tcl exit

A folder ZZ9000\_proto should have been created. Start Vivado normally (GUI) and navigate in the Open Project dialog to zz9000-firmware/ZZ9000\_proto and open ZZ9000\_proto.xpr.

After a while you should be able to select "Run Synthesis" in Flow Navigator, and after that completes, "Run Implementation" and finally "Generate Bitstream". Finally, select "Export Hardware" from the "File" menu and check "Include Bitstream". Export to "Local to Project". Then, open the SDK by selecting "Launch SDK" from the "File" menu. Leave everything at "Local to Project" and click OK.

Your SDK workspace will start with the zz9000\_ps\_wrapper\_hw\_platform\_0 project.

Step by step in screenshots

