

Hi guys!

So I had the very same issue with quartus 15.0.

I have dug in and found out the culprit.

As you can see in my process monitor screenshot, make is calling the bash command, which leads to spawning wsl, which is obviously false, as the cygwin bash should be called.

So there is the file, if you have installed to the default location:

C:\altera\15.0\ip\altera\alt\_mem\_if\alt\_mem\_if\_tcl\_packages\gen\uniphy\_gen.tcl

It generates a Makefile, which is looking like this on my side:

**Code:** [Select]

```
C:/altera/15.0/quartus/../nios2eds/sdk2/bin/nios2-bsp hal sequencer_bsp .. --default_sections_mapping sequencer_mc
endif
ifeq ($(wildcard sequencer/Makefile),)
    C:/altera/15.0/quartus/../nios2eds/sdk2/bin/nios2-app-generate-makefile --bsp-dir sequencer_bsp --app-dir sequencer_mc
endif

.PHONY : mc
mc :
ifeq ($(wildcard sequencer_mc),sequencer_mc)
    C:/altera/15.0/quartus/bin64/uniphy_mcc -ac_code sequencer_mc/ac_rom.s -inst_code sequencer_mc/inst_rom.s -ac
endif

.PHONY : gui
gui : setup
    eclipse-nios2
```

As you see it makes a call to this file: C:/altera/15.0/quartus/../nios2eds/sdk2/bin/nios2-bsp

Which on the other hand starts with the shebang:

**Code:** [Select]

```
#!/bin/bash
```

So the solution is to modify this file:

C:\altera\15.0\ip\altera\alt\_mem\_if\alt\_mem\_if\_tcl\_packages\gen\uniphy\_gen.tcl

By me it is line 3776

Original:

**Code:** [Select]

```
puts $fh "\t$kdir/../nios2eds/sdk2/bin/nios2-bsp hal sequencer_bsp .. --default_sections_mapping sequencer_mc -
```

Modified one:

**Code:** [Select]

```
puts $fh "\t$kdir/bin64/cygwin/bin/bash.exe $kdir/../nios2eds/sdk2/bin/nios2-bsp hal sequencer_bsp .. --default_
```

We just added the part: **\$kdir/bin64/cygwin/bin/bash.exe** to tell the makefile it should explicitly call the shell script via the cygwin shell.

I think this method could possibly be applied to all versions which suffer from the same problem because of an existing wsl installation.

This makes a call to the 64 bit cygwin, so if you have winx64, it should work.

Shame on intel, that their official support page does not give this exact workaround:

<https://www.intel.com/content/www/us/en/programmable/support/support-resources/knowledge-base/emif/2018/error--cannot-find-sequencer-elf.html>

Cheers!



2021-08-27 10\_20\_59-Event Properties.png (57.13 kB, 1031x312 - viewed 264 times.)

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**Re: Intel/Altera - DDR3 megafunction fails in Quartus 20.1.1**

« Reply #15 on: March 20, 2022, 10:43:15 pm »

Hello!

I faced the same error while generating the HDL files of HPS-based SoC design in Platform Designer (Qsys), please find software details in below:

- Quartus prime standard edition 21.1
- Ubuntu version 18.04
- WSL 1
- Windows version: 10.0.19043.1466

Command shell for Nios II is working normally.