

Cause: Users might encounter difficulties running the demo batch provided in the Terasic system CD. This occurs when a newer version of Quartus is installed, where GCC3 is upgraded to GCC4 within the Altera Nios2 Command Shell. As a result, downloading .elf would be problematic.

Solution: Updating both bat and shell files is required.

(1) Update your .bat file

You would need to include the following lines in the top section of the .bat file.

```
@ REM #####  
@ REM # Variable to ignore <CR> in DOS  
@ REM # line endings  
@ set SHELLOPTS=igncr  
  
@ REM #####  
@ REM # Variable to ignore mixed paths  
@ REM # i.e. G:/$SOPC_KIT_NIOS2/bin  
@ set CYGWIN=nodosfilewarning  
  
@ set SOPC_BUILDER_PATH=%SOPC_KIT_NIOS2%+%SOPC_BUILDER_PATH%
```

(2) Update your .sh file

There are two parts in the .sh file you need to modify. The first one is to replace

```
.\ "$QUARTUS_ROOTDIR/sopc_builder/bin/nios_bash"  
with  
if [ -f $SOPC_KIT_NIOS2/nios2_sdk_shell_bashrc ]  
.\ "$QUARTUS_ROOTDIR/sopc_builder/bin/nios_bash"  
fi
```

The second part is to replace

```
nios2-download web_server.elf -c USB-Blaster[USB-0] -r -g  
nios2-terminal -c USB-Blaster[USB-0]  
with  
if [ -f $SOPC_KIT_NIOS2/nios2_sdk_shell_bashrc ]
```

```
then
nios2-download web_server.elf -c USB-Blaster[USB-0] -r -g
nios2-terminal -c USB-Blaster[USB-0]
else
"$SOPC_KIT_NIOS2/nios2_command_shell.sh" nios2-download web_server.elf -c USB-Blaster[USB-0] -r -g
"$SOPC_KIT_NIOS2/nios2_command_shell.sh" nios2-terminal -c USB-Blaster[USB-0]
fi
```

After the update, you can now work with a newer version of Quartus.

Support

Please email to support@terasic.com for any questions