Libero SoC Troubleshooting Guide

Libero is a very complex program, and while working on this project we spent a lot of time trying to solve a multitude of errors. We were able to figure out several things that may help resolve strange errors that may be encountered.

rwnetlist.exe and Sophos Antivirus

Sophos Antivirus is the primary Antivirus program that the School uses on all of its computers. It has a feature which scans every executable on the computer for malicious code using machine learning and will delete any file that it deems suspicious. Unfortunately for us, there is a file called "rwnetlist.exe" which will get deleted every time you attempt to use Libero. This will cause your Synthesis to fail and the only way to fix it is to temporarily disable Sophos and place the file back into the proper folder.

Open Sophos Antivirus from the system tray in the taskbar or open it by using windows search function. It is called "Sophos Endpoint"



Go to the settings tab.

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Check the box to Override Sophos for 4 hours and turn every protection off.						
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Open the zip folder which contains a copy of rwnetlist.exe and copy it into the folder at C:\new_Microsemi\Libero_SoC_v12.3\Designer\binfp

> * 🛧 📙 > Th	is PC → OSDisk (C:) → new_Microsemi →	Libero_SoC_v12.3 → Designer	> binfp >	5 V	, ○ Search I
🟥 Documents 🖈 ^	Name	Date modified	Туре	Size	
🕹 Downloads 🖈 🔤	RWUXThemeS90.dll	12/4/2019 12:17 AM	Application exten	88 KB	
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Libero_Project	sfl500-vc90as.dll	12/4/2019 12:17 AM	Application exten	357 KB	
Libero_Project	🚳 socbase.dll	12/4/2019 12:17 AM	Application exten	96 KB	
polarfire_dev_PC	🗟 sqldb.dll	12/4/2019 12:17 AM	Application exten	514 KB	
	🗟 stp.dll	12/4/2019 12:17 AM	Application exten	1,291 KB	
Project Outputs	🗟 sxgdev.dll	12/4/2019 12:17 AM	Application exten	67 KB	
OneDrive	🗟 tbb.dll	12/4/2019 12:17 AM	Application exten	313 KB	
This DC	🗟 tbbmalloc.dll	12/4/2019 12:17 AM	Application exten	169 KB	
This PC	tbbmalloc_proxy.dll	12/4/2019 12:17 AM	Application exten	62 KB	
3D Objects	🗟 tcl85t.dll	12/4/2019 12:17 AM	Application exten	876 KB	
Desktop	🗟 tfc.dll	12/4/2019 12:17 AM	Application exten	535 KB	
Documents	🗟 ufc.dll	12/4/2019 12:17 AM	Application exten	771 KB	
Downloads	vc91-re2001.dll	12/4/2019 12:17 AM	Application exten	273 KB	
Music	🗟 verific.dll	12/4/2019 12:17 AM	Application exten	7,340 KB	
Pictures	🗟 vfilaes.dll	12/4/2019 12:17 AM	Application exten	64 KB	
	winmm.dll	12/4/2019 12:17 AM	Application exten	172 KB	
Videos	xerces-c_3_1.dll	12/4/2019 12:17 AM	Application exten	1,844 KB	
SDisk (C:)	xerces-c_vc90-w32_2_7_0.dll	12/4/2019 12:17 AM	Application exten	1,789 KB	
Network	🗟 zlib1.dll	12/4/2019 12:17 AM	Application exten	72 KB	
~	rwnetlist.exe	4/3/2020 10:49 PM	Application	55,134 KB	

Even though the file is back in the correct location it will not run because Windows Defender will block it. To fix this you must manually run it by double clicking on the rwnetlist.exe

executable. This screen should pop up indicating Windows has stopped it from running.



Click on "More info". This will bring up the option to run the program anyway. Once you choose "Run anyway" a black command line window will appear which you can exit out of.



Now Libero has the file it needs to run synthesis correctly. This process will probably need to be repeated every time you log on to use Libero.

Other Miscellaneous Errors

There were several other errors that we occasionally came across which seemed to happen with no rhyme or reason but caused Libero to fail Synthesis or Place & Route while giving no error message or an error message which has little to no information in any documentation we could find. We discovered that the way to get past these errors is to simply restart the computer. Since this project may be done remotely it is important to be sure you only restart the computer and do not accidently power it off.

Additionally, one other tip that may be helpful to remember if there are errors with the Synthesizing or running Place & Route is to try Cleaning before you run.

Active Synthesis Implementation: synthesis

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