

Application Note

Version 16.3 License Manager 32 Bit to 64 Bit Switch

Many new computers include the 64bit versions of the Windows operating systems (this solution is effective for both Windows Vista and Windows 7 64bit). The licensing system included with Cadence® OrCAD® Release 16.3 is a 32bit version and will normally not work on 64bit Windows. The following is a process you can use to replace the 32bit License Management software with the proper 64bit software.

Important Note: Be aware that no matter what login you use or what permissions you have, in Windows Vista and Windows 7 you must **always** launch License Manager Tool (LMTools) using the right click option "Run as Administrator". This is true even if you are already logged in as Administrator.

1. Close out any current instances of LMTools that you may have open.
2. Open a browser window from the link below to the FLEXnet downloads located on the FLEXera Web site:
http://www.globes.com/support/fnp_utilities_download.htm (don't download anything yet, you just want this page ready).
3. Open My Computer/Windows Explorer and browse to the license manager folder (default: C:\Cadence\LicenseManager).
4. Rename lmgrd.exe, lmtools.exe, and lmutil.exe to lmgrd.exe.32b, lmtools.exe.32b, and lmutil.exe.32b.
5. In the Flexera downloads page locate the Microsoft Windows 64bit section. Ignore the "lmadmin" and "Virtualization support" downloads, and download the three files (lmgrd, lmtools, lmutil). (See footnote 1)
6. Unzip all three files into the License Manager folder. (See footnote 2)
7. Open LMTools. If using a dongle, verify that the dongle is being seen by checking the FLEXID box in the System Settings tab. (See footnote 3)
8. Switch to the "Config Services" tab, it should be mostly blank but list "Flexlm Service 1" (if other license managers are installed, they will also be listed, but the process from this point doesn't change).

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9. Highlight the current Service Name and type in a name for the Cadence license manager service (Default: Cadence License Manager). Hit the tab key to create the new service and start populating the link fields below.
10. Use the Browse buttons to locate LMGRD.EXE, the license file (See footnote 4), and create a debug.log if it doesn't already exist.
11. Check the box at the bottom for Use Services which will allow you to check the box for Start Server at Power Up.
12. Click on "Save Service" in the upper right, and click Yes when prompted.

At this point, the new service is created and should work, however one side-affect of attempting to install a 32bit LM on a 64bit OS is that it can lock the port (5280) during it's original non-functional creation and start, so the best solution is to reboot the computer at this point. If rebooting is not an option, wait one hour and then stop and start the server at that point (that's about how long it takes for Windows to clear the port). If it still doesn't work, contact EMA Support.

Footnotes:

1. There are two sections for Windows x64. The first section is the correct section. The second section is for Intel Itanium processors only. The Itanium processor version is NOT the version we wish to use.
2. When extracted the zip file will create folders of each zip filename and place the executable inside the new folder. Move the executables from within the sub-folder into the main LicenseManager folder to replace the three files renamed in step 4.
3. The dongle drivers for the USB FLEXnet dongle included with the 16.3 release contain both 32bit and 64bit versions of the driver set. If the dongle is not seen, get the updated drivers here:
[ftp://ftp.aladdin.com/pub/hasp/Sentinel_HASP/Runtime_\(Drivers\)/Sentiinel_Hasp_Runtime_setup.zip](ftp://ftp.aladdin.com/pub/hasp/Sentinel_HASP/Runtime_(Drivers)/Sentiinel_Hasp_Runtime_setup.zip).
4. By default the license file is named license.dat, however the browse/search window which opens is attempting to look for *.lic files. Change this to *.dat and you should be able to see the license.dat file.