LabView Package and Driver Installation Tutorial for ENGR 190

Student will need to install following software and drivers to use LabView, NI Multisim and MyDAQ for ENGR 190. It is advised to follow all the steps in order to install all the required components properly. The installation will be in three parts

PART I. LabView 2010 installation from software drive (R:)
PART II. NI Multisim installation from software drive (R:)
PART III. Download and install NI ELVISmx and MyDAQ drivers

Before you continue to the installation process, make sure internet connection is active on your computer. It is recommended that you should complete this installation tutorial on campus. If you have any question or need any help regarding installation, you may contact CCIT support (http://www.clemson.edu/ccit/) or lab TA.

NOTE: Since NI MyDAQ drivers and NI ELVISmx is NOT available for Mac operating system, Mac users are advised to contact CCIT to install Windows 7 as dual boot on Mac books. More information can be found on http://www.clemson.edu/ccit/mac_software.
PART I: LabView 2010 Installation from Software Drive

**Step 1.** To access software drive, you will need to install Novel Netware Client from following link. If you have already installed Novel Client on your computer, you may skip this step.

http://www.clemson.edu/ccit/software_applications/software/licenses/novell.html

**Step 2.** Log into **Novel Client** using your CU username and password. If you are off campus, you will also need to install **Clemson University Virtual Private Network (CU VPN)** from following link.

http://vpn.clemson.edu/

After installing CU VPN, login to CU VPN first and then login to Novel Netware Client.

**Step 3.** When you have logged in successfully on Novel Client, Go to **My Computer** and you will see three additional drives. Double click on **SOFTWARE** (\GSCLUSTER\GS05\POOL\SERVER\GS05). You will see several folders for different software.

**Step 4.** Locate folder named LabView and double click to open it. Double click on the folder named **win**.

**Step 5.** To install latest version of LabView, double click on the folder named **LabViewSpring2011** and then, double click on **CU_Install** to begin LabView installation. You may be asked to authenticate to run the setup by windows.

**Step 6.** Once you have authenticated the windows, you will see following screen for LabView installation.
Step 7. Click on Next on above screen and you will be asked to enter serial number on the following screen.

Step 8. Keep default selection on above screen and click Next>> button to proceed to the following screen.
Step 9. For Clemson University LabView installation, only a single serial number is required for all the LabView components. This serial number can be found in the labview read me.txt file located in LabView >> Documentation folder of software drive. Enter above serial number on first box on above screen and click on Add Serial Number button. Your laptop must be connected to Internet for serial number verification from National Instruments. Once serial number is verified successfully by National Instruments, you will see following screen.
Step 10. Once you have above screen, click on Next >> button and the setup will show following screen. By default, only LabView 2010 English will be selected.

![Licensed Product List]

Step 11. We will use default selection and click on Next >> button to arrive at following screen. Now, again click Next >> without any changes.

![Evaluation Product List]

Step 12. You will be navigated to the following screen and click Next>> again
Step 13. Installer will check for update notifications for selected software products. If there is no notification available, you will get into following screen and click on Next button.

Step 14. Following window will appear to select installation folder. It is recommended to use default folders. Click Next button to install the software.
Step 15. In following screen select on “I accept…….” and click on Next>> button.

Step 16. Now, you will be asked to enter your contact information. Enter your contact information and click on Next >> button.
Step 17. You will see following screen to start installation. Click on Next >> button to continue.

Step 18. Now, LabView 2010 is being installed on your computer. It may take more than an hour to complete installation depending on internet connection.

Step 19. After installation, following screen will appear. Click on Next >> to activate LabView 2010.
Step 20. On the next screen, click on **Finish** button to complete installation. You must also **restart** your computer in order to finish installation.

Step 21. Run **LabView 32bit** from start menu from *All Programs > National Instruments > LabView 2010 (32bit)*. Since you are running LabView for the first time, it may ask you to activate the copy of LabView as shown on following screen. Select **LabView 2010 SP1 Professional Development System** to activate LabView professional suite.
Step 22. After selection, Click Next >> on above screen to activate LabView. *Your computer must be connected to internet in order to complete the activation.* On the Following screen, click on Finish.
PART II: NI Multisim Installation from Software Drive

**Step 1.** To install NI Multisim, you will need to locate to LabView installation folder (R:\LabView\Win\LabViewSpring2011) in software drive using Novel client using from Step 3 to Step 5 of previous section of LabView installation.

**Step 2.** Now open folder named **Distribution** (R:\LabView\Win\LabViewSpring2011\Distributions).

**Step 3.** Locate folder named CIRC_EDU under the folder Distribution.

R:\LabView\Win\LabViewSpring2011\Distributions\CIRC_EDU

**Step 4.** Locate the file **setup.exe** and double click on the file to begin the installation.

**Step 5.** Windows may ask you to authenticate to run the setup, click on **Yes** button to continue with installation.

**Step 6.** Following screen will appear to start the NI Multisim installation. Click on **Next>>** button.

![NI Circuit Design Suite 11.0.1](image)

**Step 7.** Enter your name and University on the following screen with serial number you used in LabView installation as given in Step 9 of previous section. Then, click **Next >>** button.
Step 8. The following screen will appear to locate the destination folder for installation. It is highly recommended to use default folder for installation.

Step 9. Following screen appear to select desire components for installation. Since NI ELVISmx will be installed separately, click on icon next to NI ELVISmx 4.2.x and select Do not install NI ELVISmx 4.2.x
Step 10. Click Next>> on following screen to install Multisim.

Step 11. Installation will ask to check for update for the products you are installing, click Next>>. Again click Next>> on the following screen.

Step 12. Accept license agreement and click on Next >> button.

Step 13. Following screen will appear after the previous step. Click on Next >> button to continue with installation.
Step 14. It may take up to an hour to install NI Multisim depending on the internet connection. After installation, click finish on the following screen.
Part III: Download and install NI ELVISmx and MyDAQ drivers

Step 1.  Download NI ELVISmx 4.3.1 installer from following web link


Since the file size is around 1.4 GB, it will take some time to download above file.

Step 2.  Double click on the downloaded file NIELVIS431.exe and follow following instructions.

Step 3.  Windows may ask your permission in run above file. Click on Yes button to continue.

Step 4.  Following screen will appear and click OK.

Step 5.  Following screen will appear to select target folder to extract the installation files. You may change the default folder if particular disk partition does not have sufficient space. But, it is highly recommended to use default settings. Now, click on Unzip button to extract the installation files.

Step 6.  Click OK on next window.
Step 7. Following window will appear to install NI ELVISmx. Click on NEXT>> button to continue the NI ELVISmx installation.

Step 8. Following window will appear in installation to select installation folder. It is recommended to use default folders. Click Next >> button to continue with installation.

Step 9. You will need to install all the software mentioned in following window. Click on Next >> button to continue.
**Step 10.** Installer will ask permission to connect National Instruments to find about available updates. Click **Next >>** to continue.

**Step 11.** Installer will install any available updates. Click **Next >>** to continue.

**Step 12.** On the following screens, accept the license agreement and click **Next >>**.
Step 13. To start installation, click Next>> button on following screen.

Step 14. It may take about an hour to complete the installation. At the end of installation, following screen will appear.
Step 15. Click on Next >> button to complete the installation. Setup will ask you restart the computer. It is highly recommended to restart the computer to install driver successfully.