

Installing the FRC Update Suite (All Languages)



The FRC Update Suite contains the following software components: LabVIEW Update, FRC Driver Station, and FRC Utilities. If an FRC LabVIEW installation is found, the LabVIEW Update will be installed or updated, otherwise this step will be skipped. The FRC Driver Station and FRC Utilities will always be installed or updated. The LabVIEW runtime components required for the driver station and utilities is included in this package. No components from the LabVIEW DVD are required for running either the Driver Station or Utilities.

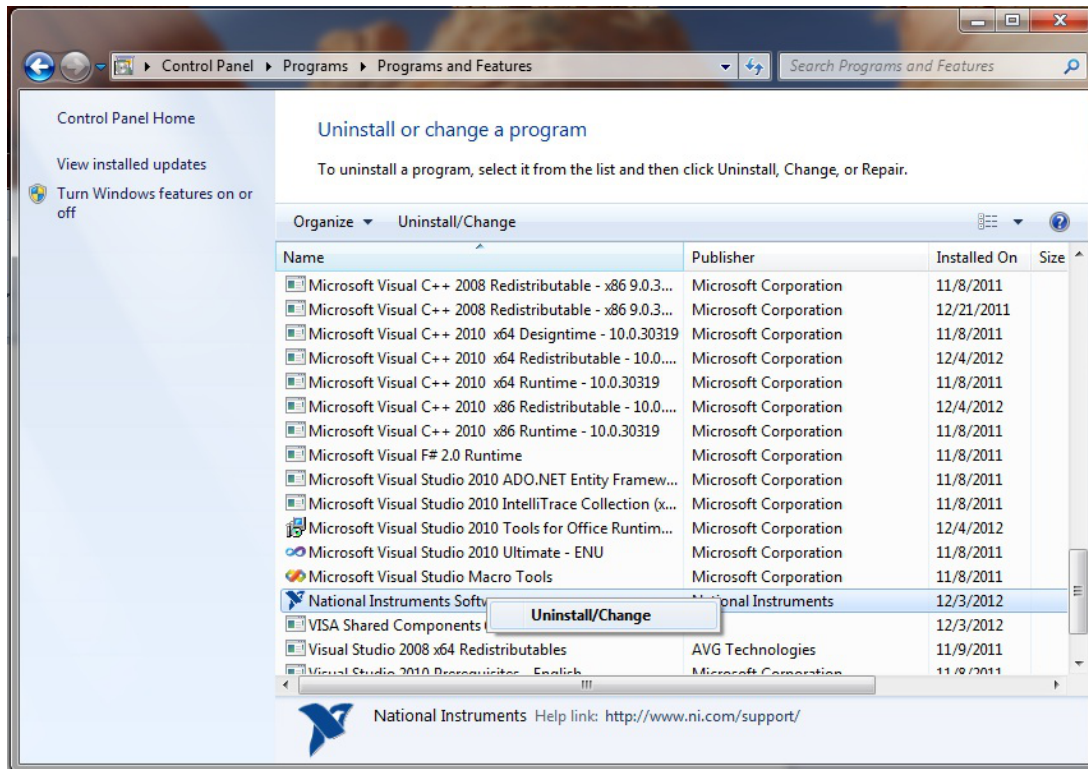
C++ and Java teams wishing to use NI Vision Assistant should run the full DVD installer as described in the article - [Installing LabVIEW for FRC \(LabVIEW only\)](#)

⚠ Note: The Driver Station will only work on Windows 7, Windows 8, Windows 8.1, and Windows 10. It will not work on Windows XP.

⚠ LabVIEW Teams: CAN Talon SRX has been removed from WPILib. See [this blog](#) for more info and find the CTRE Toolsuite installer here: http://www.ctr-electronics.com/control-system/hro.html#product_tabs_technical_resources

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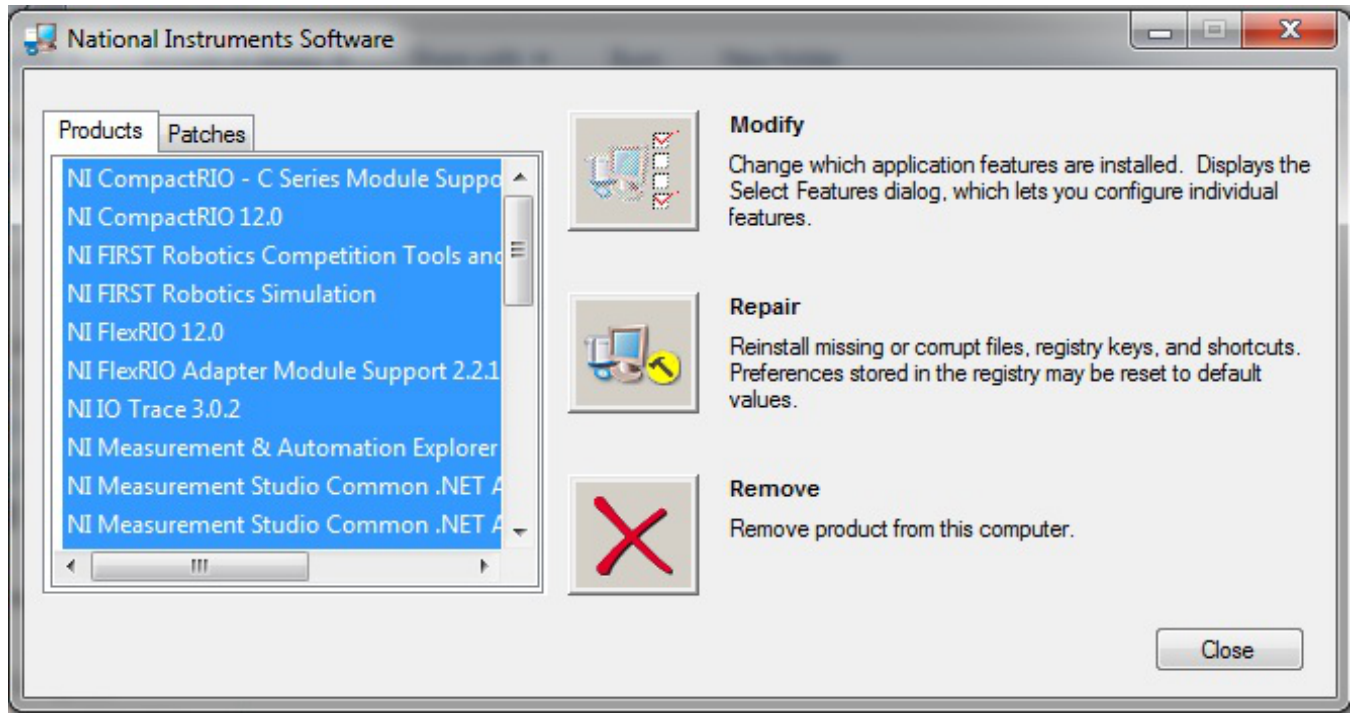
Uninstall Old Versions (Recommended)



LabVIEW teams have already completed this step, do not repeat it. Before installing the new version of the NI Update it is recommended to remove any old versions. The new version will likely properly overwrite the old version, but all testing has been done with FRC 2018 only. Make sure to back up any team code located in the "User\LabVIEW Data" directory before un-installing. Then click Start >> Control Panel >> Uninstall a Program. Locate the entry labeled "National Instruments Software", right-click on it and select Uninstall/Change.

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Select Components to Uninstall



In the left pane of the dialog box that appears, select all entries. The easiest way to do this is to click the top entry to highlight it, then scroll down to the bottom entry, press and hold shift and click on the last entry then release shift. Click **Remove**. Wait for the uninstaller to complete and reboot if prompted.

Downloading the Update

Download the update from <http://www.ni.com/download/first-robotics-software-2017/7183/en/>



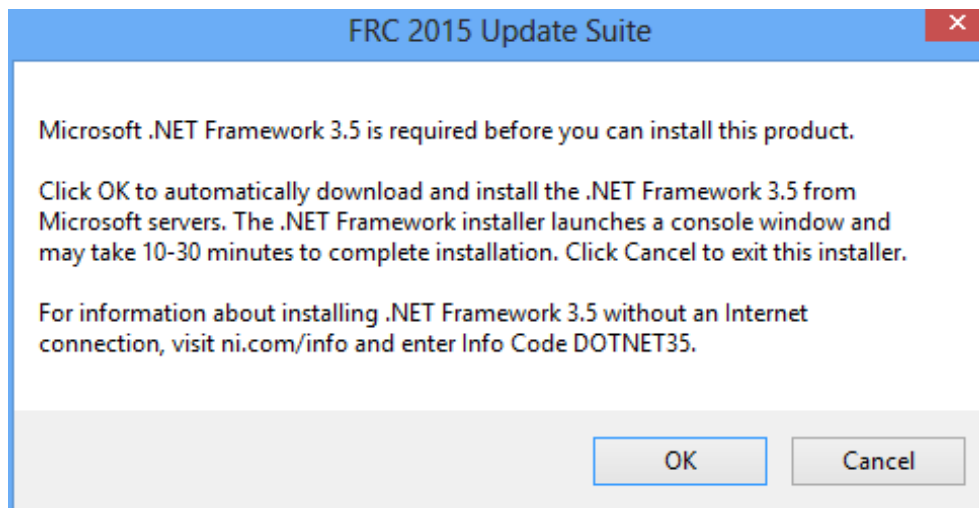
Note: This download will require the decryption key from the Kickoff broadcast

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.NET Framework 4.6.2

The Update installer may prompt that .NET Framework 4.6.2 needs to be updated or installed. Follow prompts on-screen to complete the installation, including rebooting if requested. Then resume the installation of the NI FRC Update, restarting the installer if necessary.

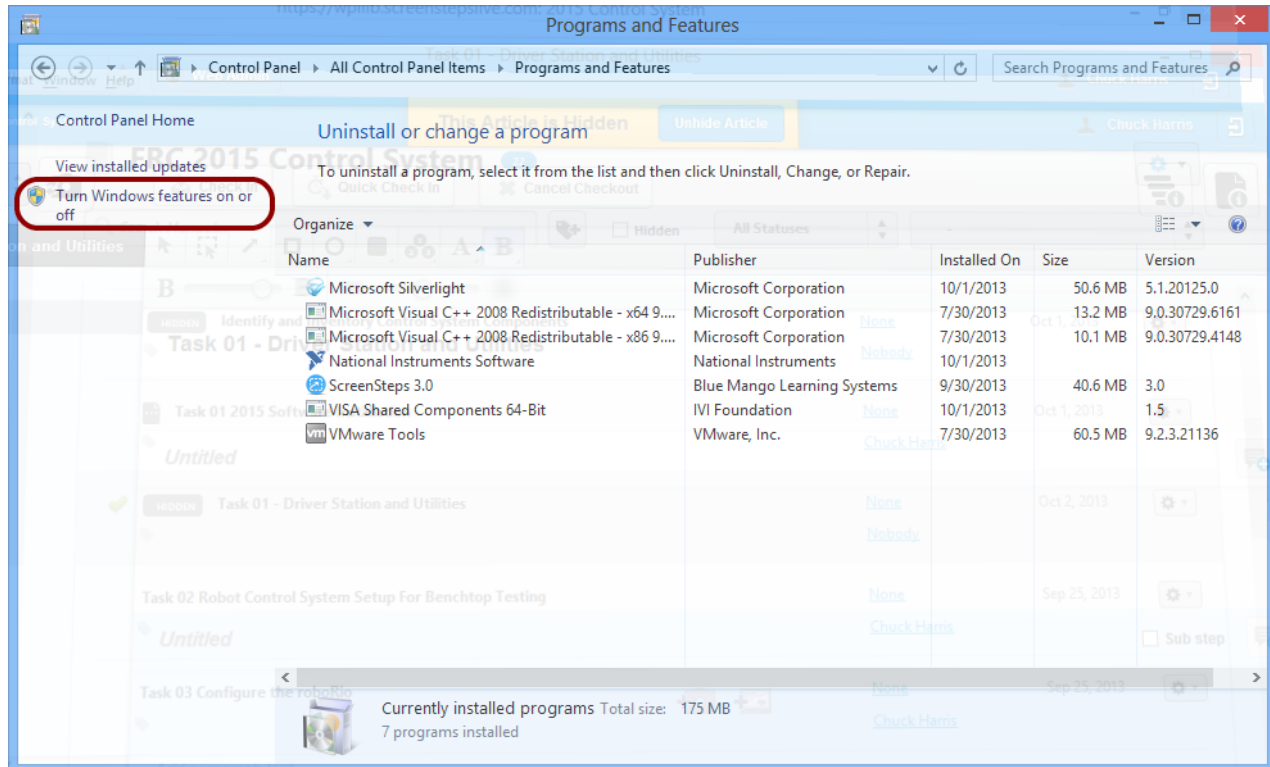
.NET Framework 3.5



If installing on Windows 8 or 10, the Microsoft .NET Framework 3.5 may need to be installed. If you see the dialog shown above, click "Cancel" and perform the steps shown below. An internet connection is required to complete these steps.

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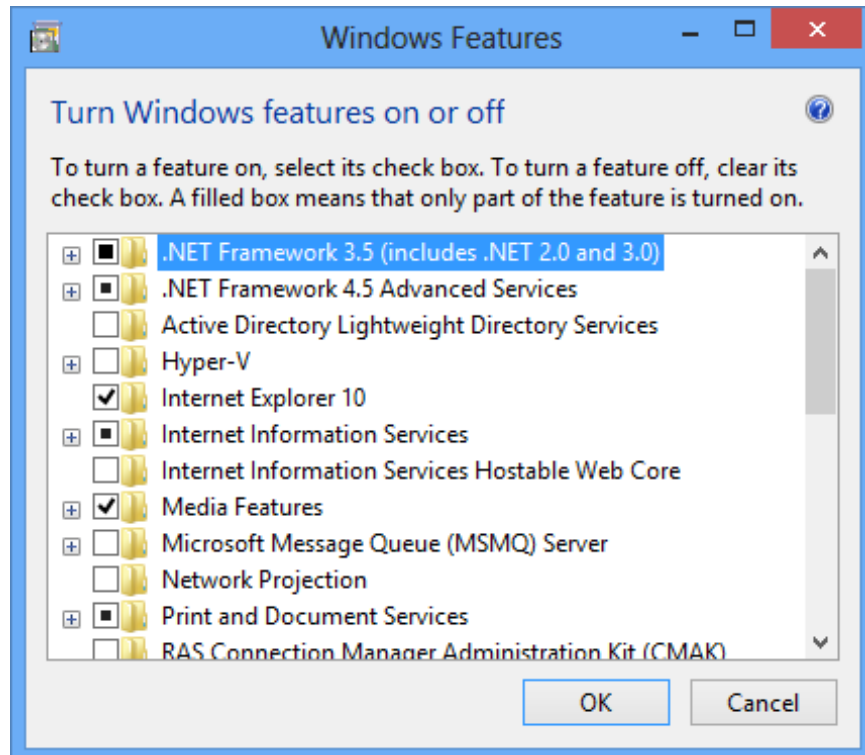
Programs and Features



Open the "Programs and Features" window from the control panel and click on "Turn Windows features on or off"

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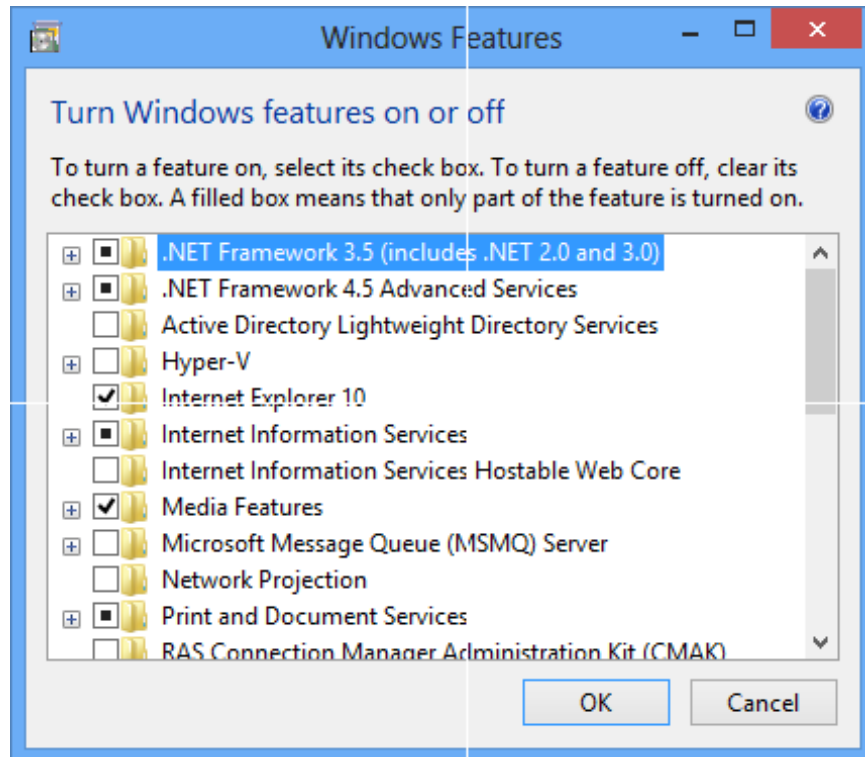
Windows Features (.NET Framework 3.5 not on)



Select ".NET Framework 3.5 (includes .NET 2.0 and 3.0)" to enable it (a black dot, not a check box will appear) and then click "OK". When installation finishes [restart installation of FRC 2016 Update Suite](#).

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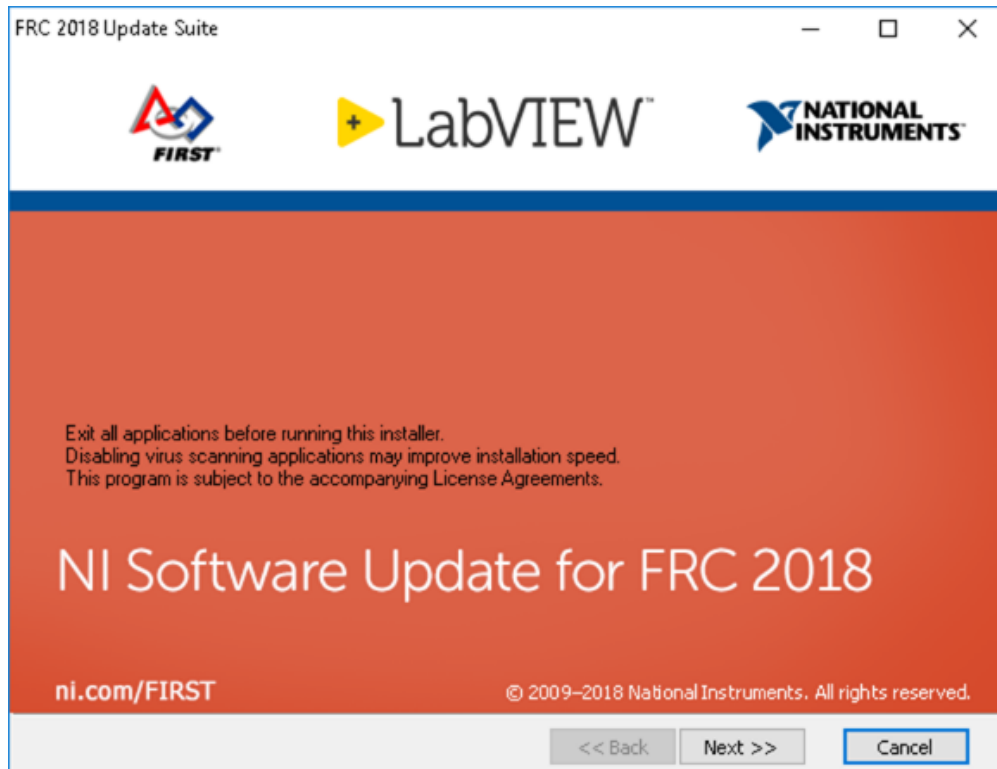
Windows Features (.NET Framework 3.5 already on)



If a black dot is shown next to ".NET Framework 3.5" the feature is already on. Click "Cancel" and [restart installation of FRC 2017 Update Suite](#).

Installing the FRC Update Suite (All Languages)

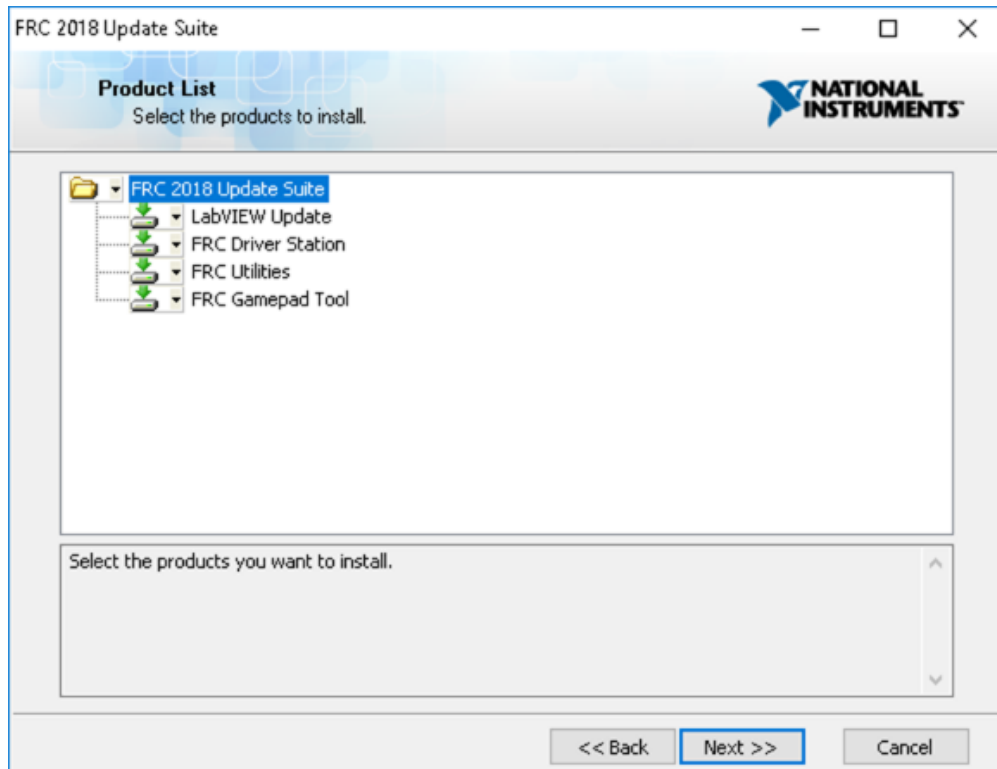
Welcome



Right click on the downloaded zip file and select Extract All. If you downloaded the encrypted zip file, you will be prompted for the encryption key which will be released at Kickoff. Open the extracted folder and any subfolders until you reach the folder containing "setup" (may say "setup.exe" on some machines). Double click on the setup icon to launch the installer. Click "Yes" if a Windows Security prompt appears. Click "Next" on the splash screen that appears.

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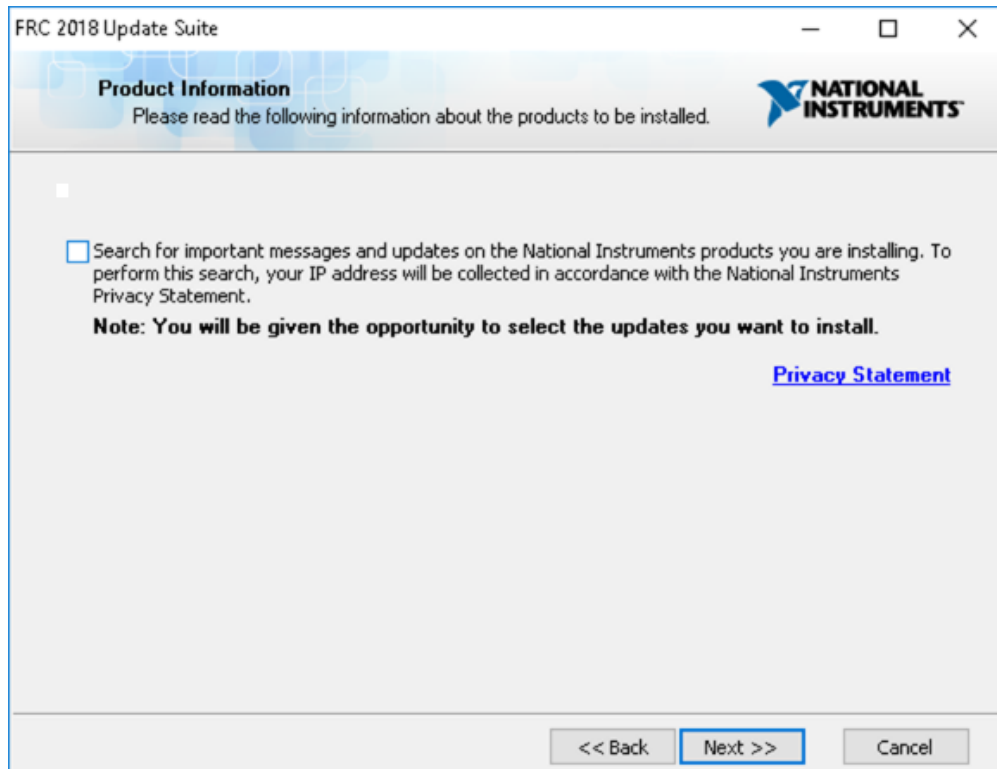
Product List



Click "Next". There is no need to de-select "LabVIEW Update" for C++ or Java teams, if you do not have the base LabVIEW installation (because you are not programming in LabVIEW) this installation will be skipped automatically.

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Product Information

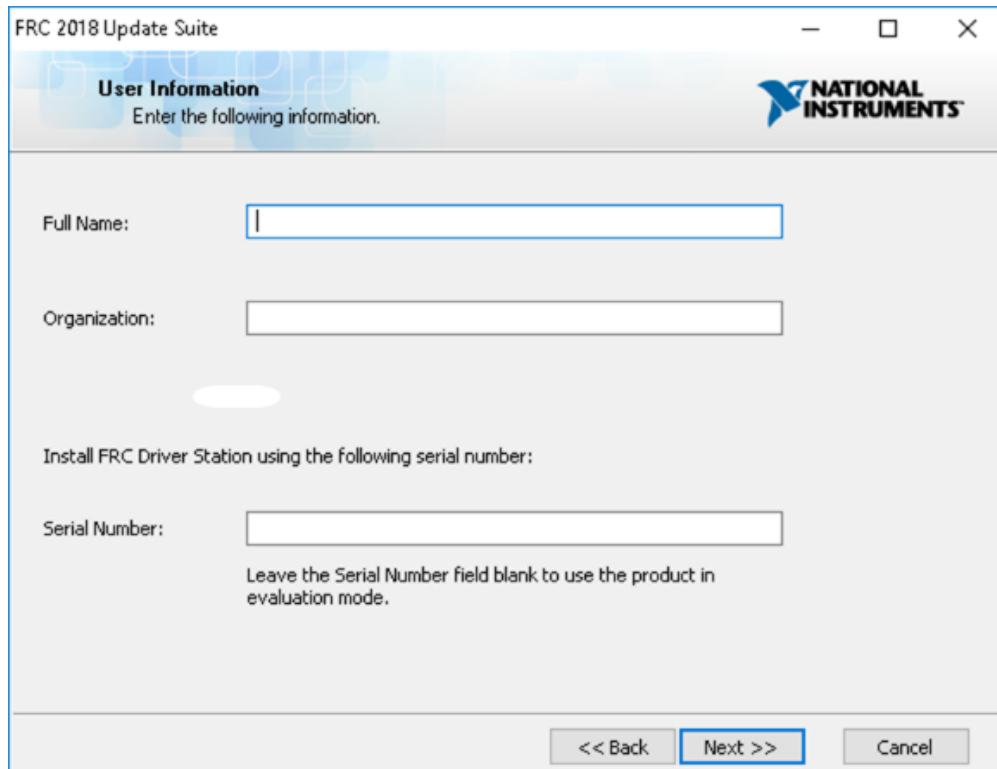


Un-check the box, then Click "Next".

If you see a screen asking to disable Windows Fast Startup, leave it at the recommended option (disable Fast Startup) and click Next.

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User Information

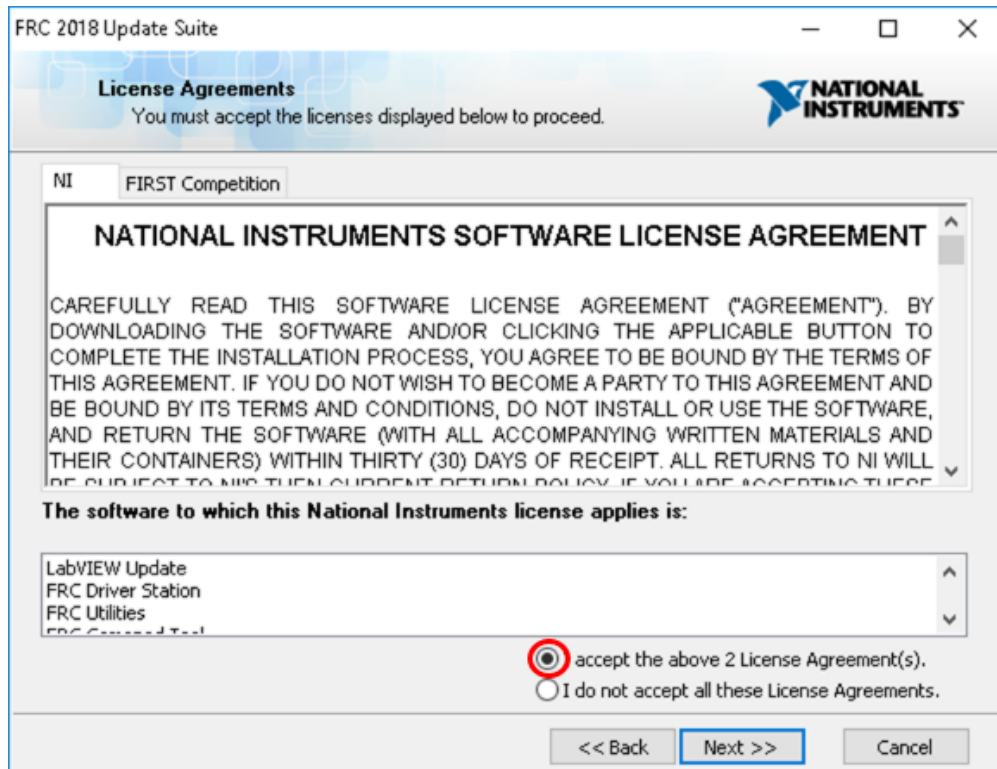


The screenshot shows a Windows-style dialog box titled "FRC 2018 Update Suite". The dialog has a header bar with the title and standard window controls (minimize, maximize, close). Below the header, the text "User Information" is displayed in bold, followed by "Enter the following information." and the National Instruments logo. The main area contains three input fields: "Full Name:" with a text box, "Organization:" with a text box, and "Serial Number:" with a text box. Below the "Serial Number" field, there is a note: "Leave the Serial Number field blank to use the product in evaluation mode." At the bottom of the dialog, there are three buttons: "<< Back", "Next >>" (which is highlighted with a blue border), and "Cancel".

Enter full name and organization and the serial number from your kit of parts then click **Next**

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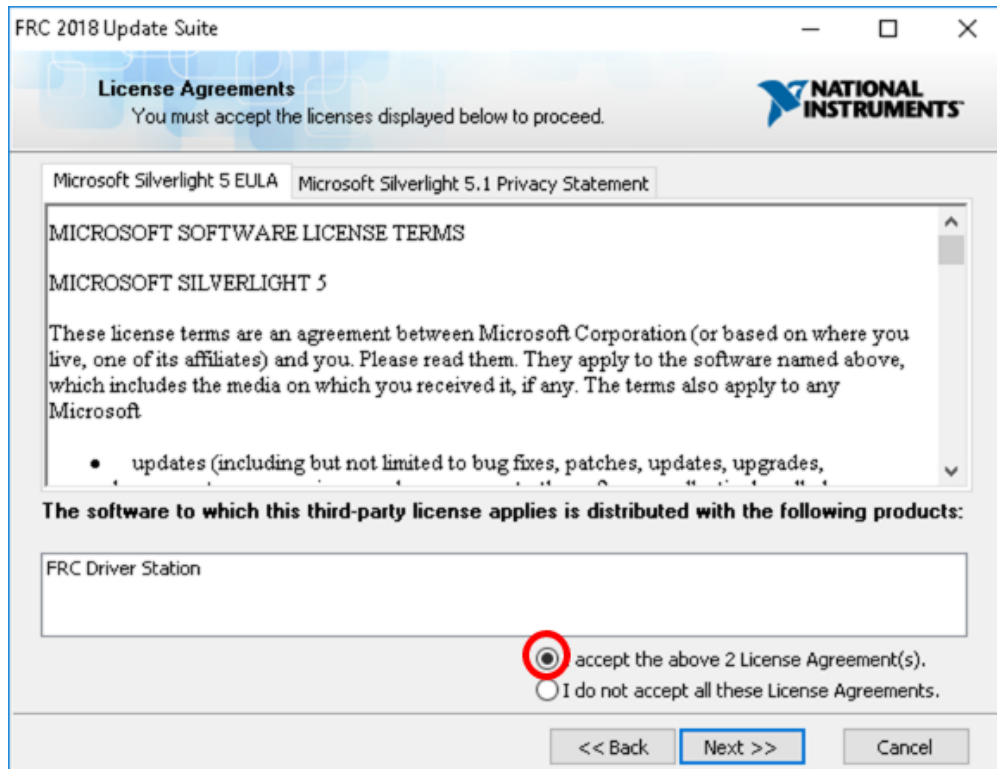
License Agreements



Select "I accept..." then click "Next"

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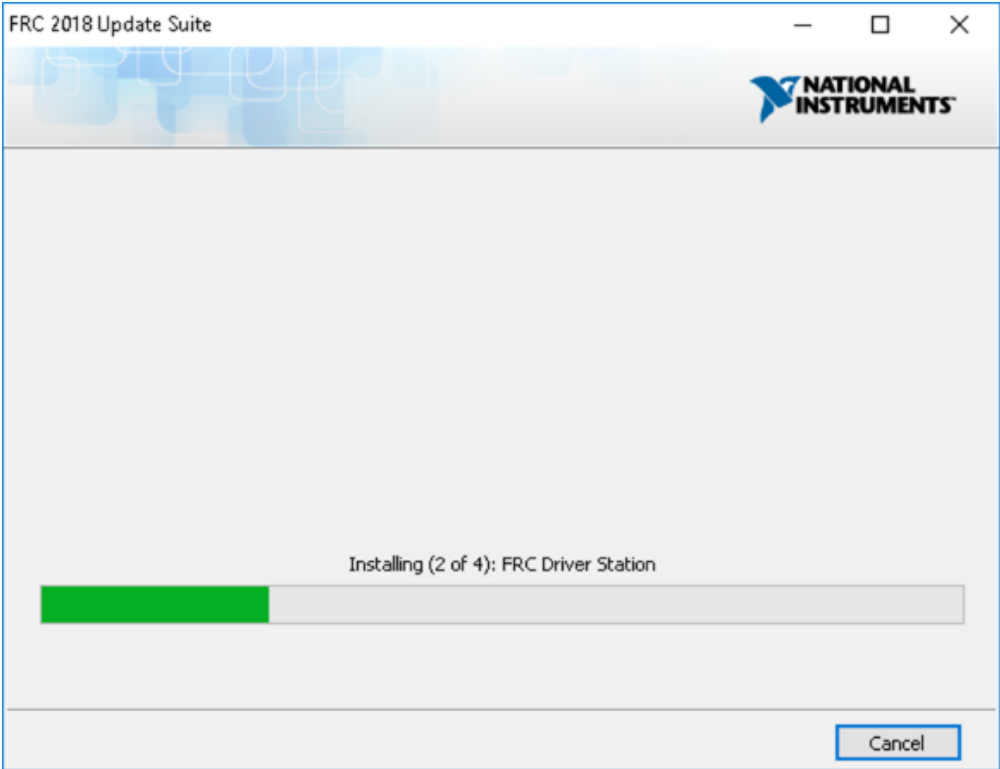
License Agreements Page 2



Select "I accept..." then click "Next"

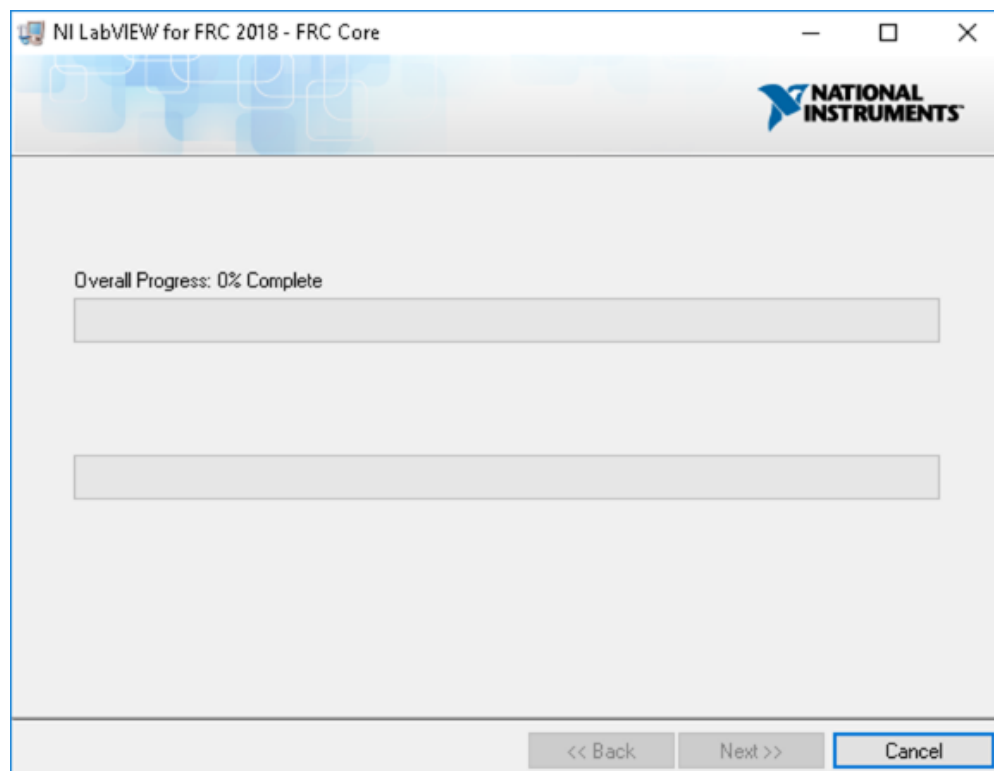
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Summary Progress



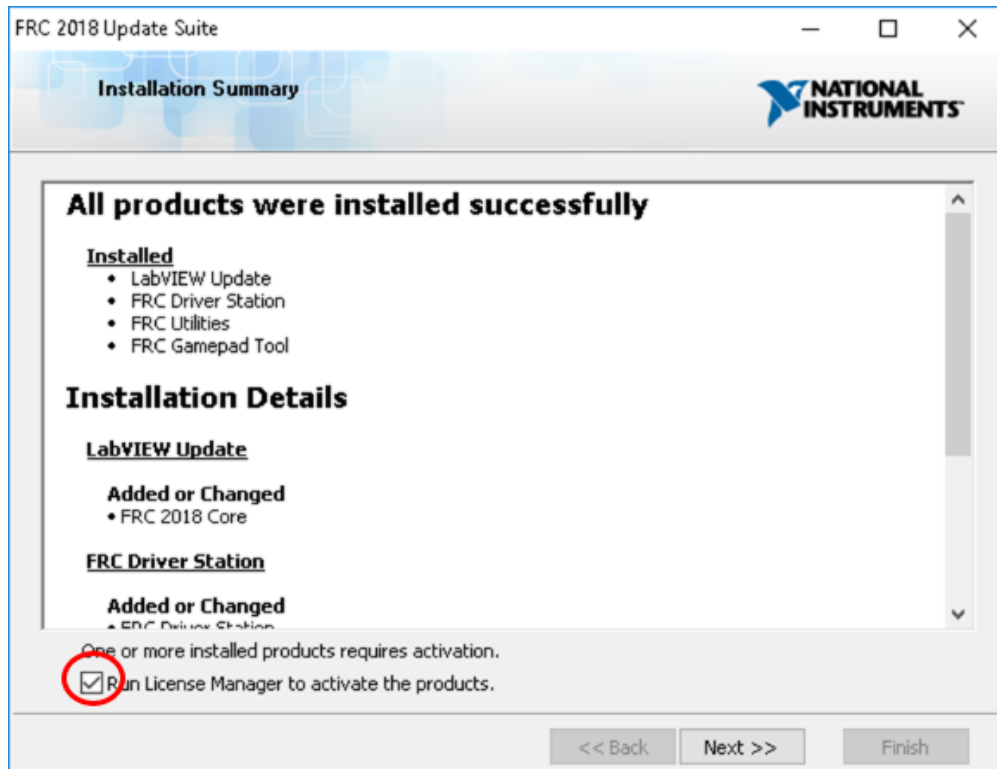
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Detail Progress



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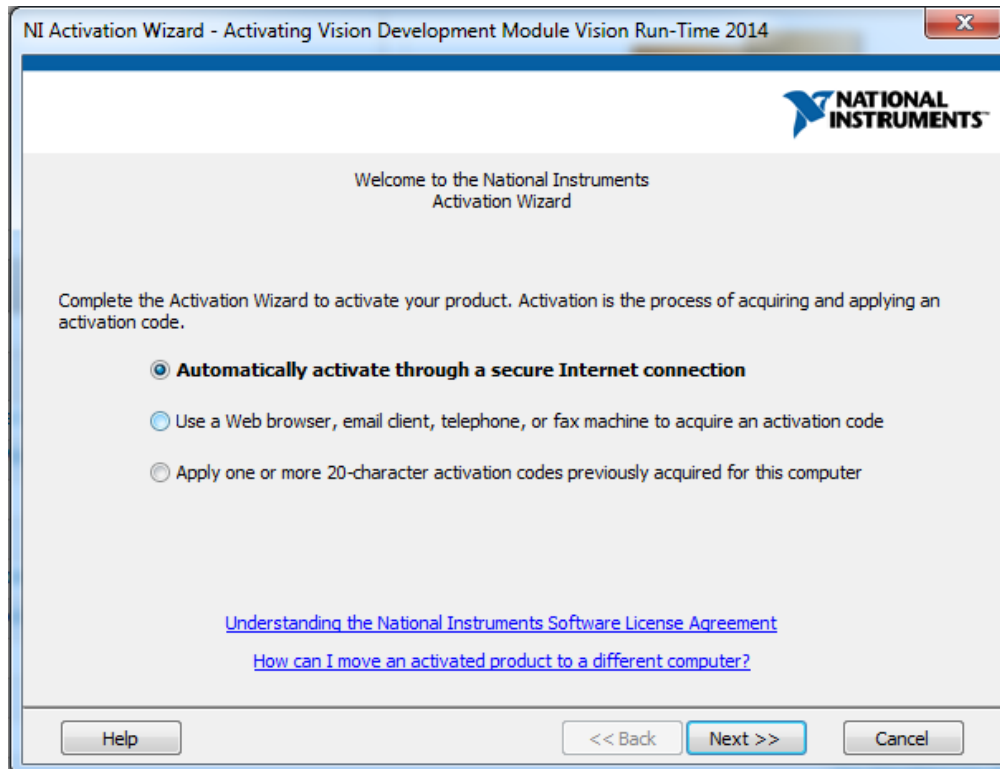
Installation Summary



Make sure the box is checked to Run License Manager... then click Next

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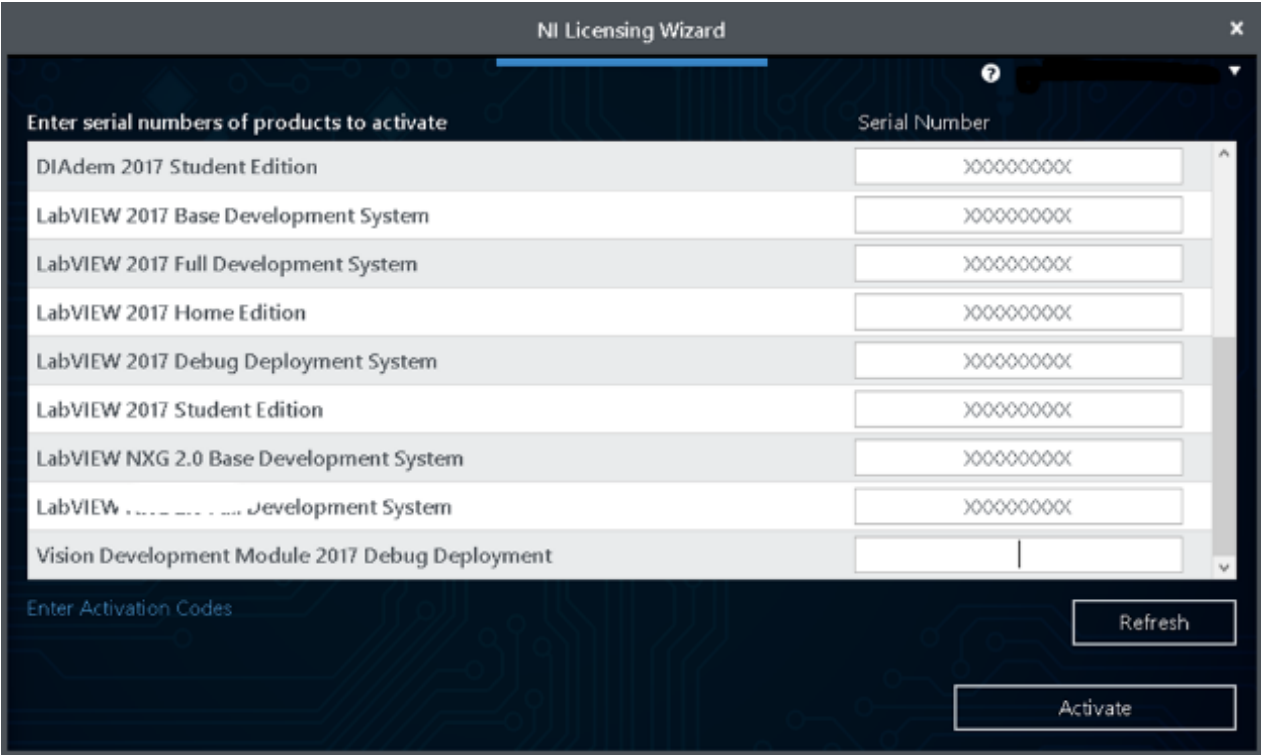
Activate



Select your desired activation method (Internet activation recommended), then click Next

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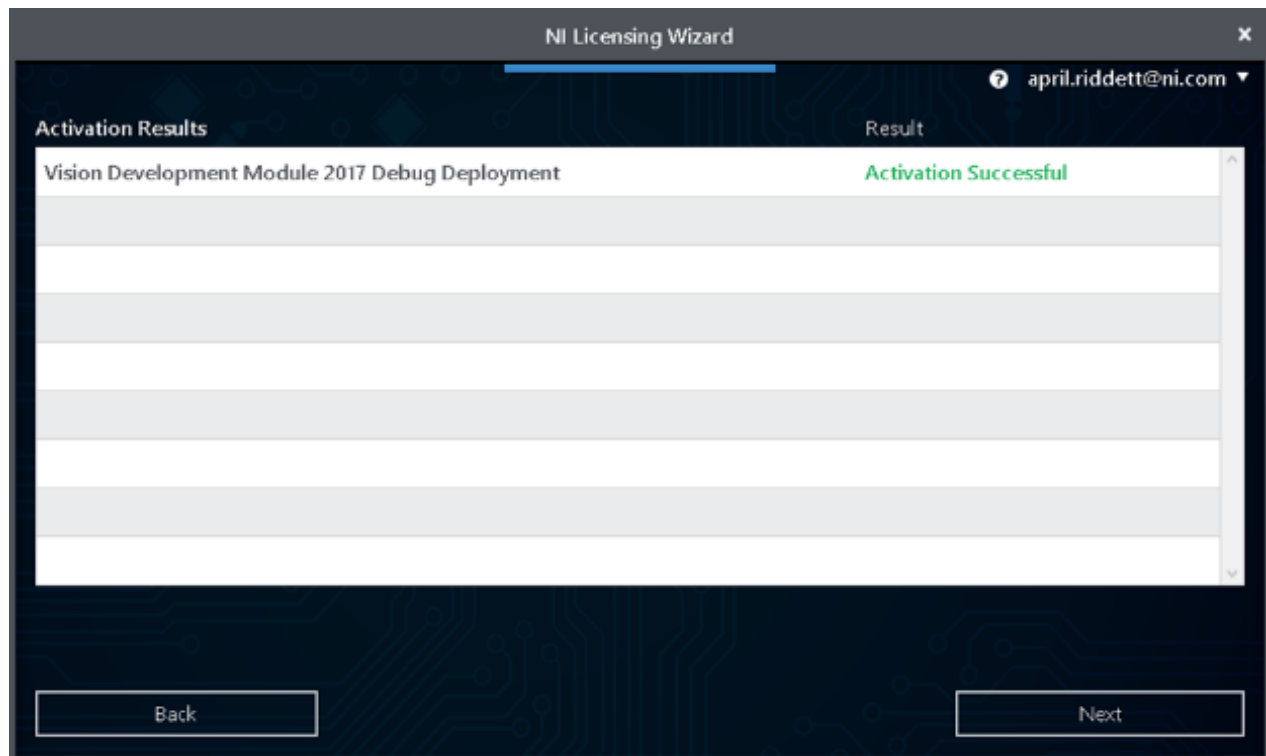
Serial Number Confirmation



Log into the NI Licensing Wizard, then enter the serial number from your LabVIEW packet from the Kit of Parts and press Activate.

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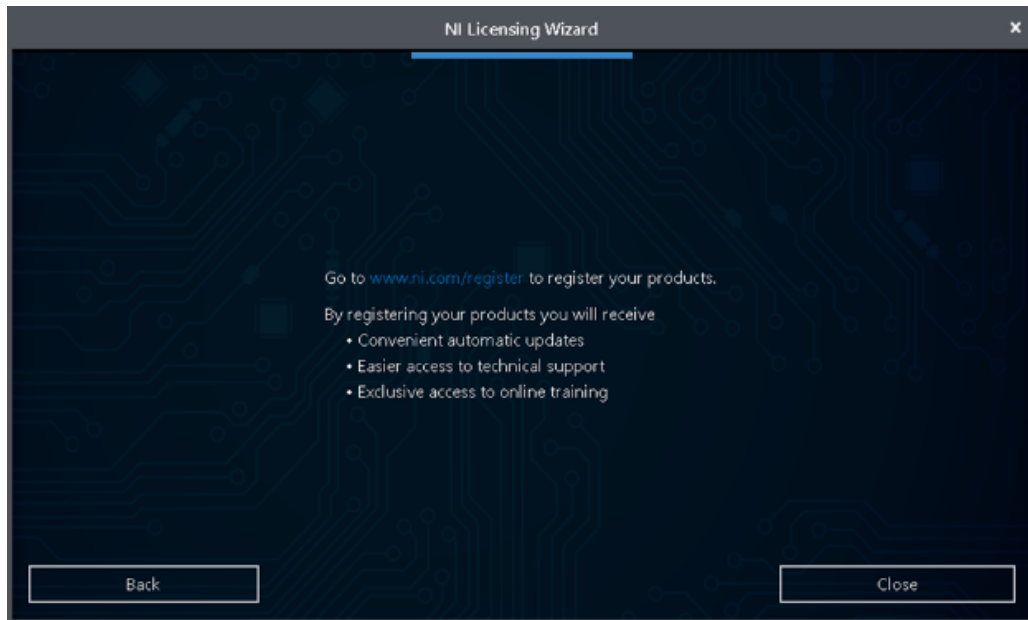
Finish Installation



After the product has activated successfully, click **Next**.

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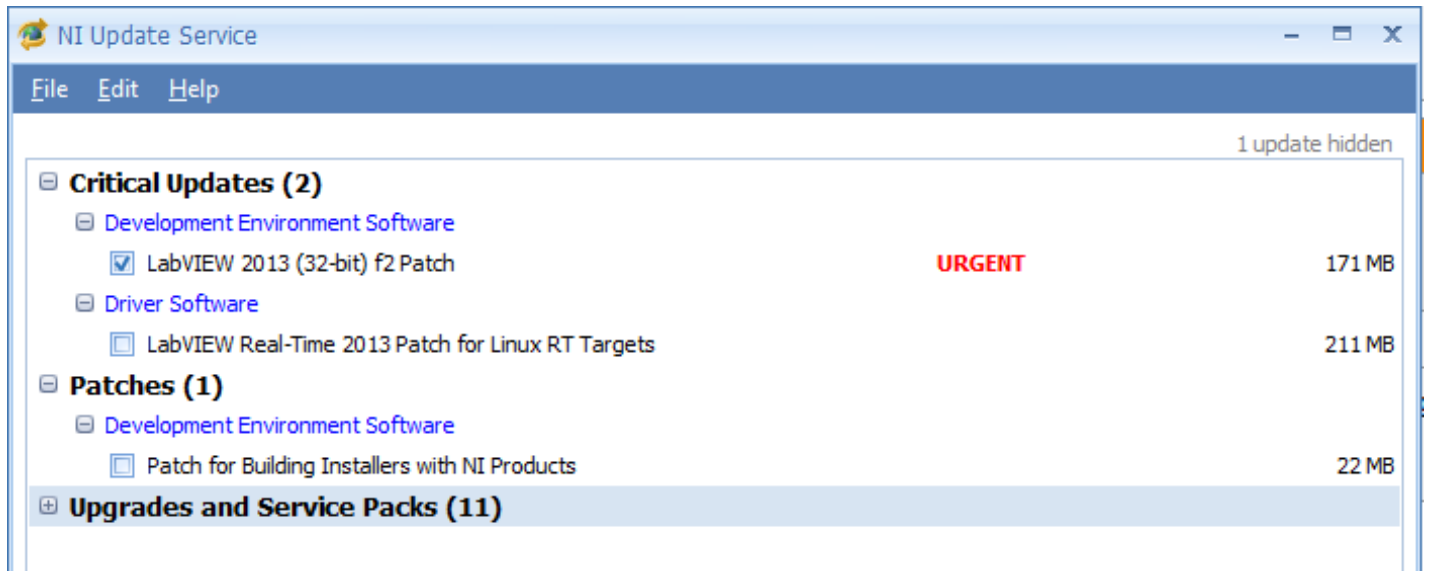
Finish Installation



Click Close.

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NI Update Service



On occasion you may see alerts from the NI Update Service about patches to LabVIEW. It is not recommended to install these patches. FRC will communicate any recommended updates through our usual channels (Frank's Blog, Team Updates or E-mail Blasts).