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LabVIEW 2020 Platform Readme

May 2020

With the LabVIEW Platform, one installation gives you access to nearly all products in the LabVIEW platform. If you purchased any LabVIEW modules or toolkits, install and activate them using the LabVIEW Platform installer to ensure compatibility with LabVIEW 2020. If you want to evaluate any of these add-ons before purchasing them, you can install these add-ons and try them for free for a set period of time.

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Supported Operating Systems

You can run the LabVIEW Platform installer on the following operating systems:

- Windows 10/8.1[1]/7 SP1[2]
- Windows Embedded Standard 7 SP1[2]
- Windows Server 2016
- Windows Server 2012 R2[1]
- Windows Server 2008 R2 SP1[2]

[1] NI software installs VC2015 Runtime and .NET 4.6.2. Windows 8.1 and Windows Server 2012 R2 require Microsoft updates to support these items. Refer to Microsoft KB2919442 (http://www.ni.com/r/expfcj) and KB2919355 (http://www.ni.com/r/exkd3p) for more information about how to install these updates.

[2] NI software is signed with a SHA-256 certificate. Windows 7 SP1, Windows Embedded Standard 7 SP1, and Windows Server 2008 R2 SP1 require Microsoft updates to support SHA-256. Refer to Microsoft KB3033929 (http://www.ni.com/r/exf7ig) and KB3125574 (http://www.ni.com/r/vmlh26) for more information about how to install these updates.

Note Refer to LabVIEW Platform Drops Support for Windows 7 (32- and 64-Bit), Windows Server 2008 R2, and All 32-Bit Windows Operating Systems in 2021 for information about future OS support.

Note In 2016 LabVIEW dropped support for Windows Vista, Windows XP, Windows Server 2003, and installations of Windows 7 without any service packs. LabVIEW 2020 will not install or run on an unsupported OS. You cannot deploy or distribute applications that use LabVIEW 2020 to an unsupported OS. Additionally, after installing LabVIEW 2020, you cannot use any installers built on this computer with any version of LabVIEW, LabWindows™/CVI™, NI TestStand™, or Measurement Studio™ on an unsupported OS.

For more information about the changes to our OS support for 2016, visit ni.com/r/OSSupport2016 (http://www.ni.com/r/OSSupport2016).

Note Support for Windows 32-bit operating systems may require disabling physical address extension (PAE). To learn how this might affect your system and what actions you might need to take, visit `ni.com/info` and enter the Info Code PAESupport (http://digital.ni.com/express.nsf/bycode/PAESupport).

Refer to the *LabVIEW Upgrade Notes* for additional system requirements for the LabVIEW Development System and to the product readmes for additional module and toolkit system requirements.

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Installation Instructions

NI installs the LabVIEW Platform using NI Package Manager. If you do not already have NI software installed, the LabVIEW Platform installs NI Package Manager to handle the installation of your NI software. Visit ni.com/r/NIPMDownload (http://www.ni.com/r/NIPMDownload) to download NI Package Manager. Refer to the NI Package Manager Manual (http://www.ni.com/r/NIPMManual) for more information about installing, removing, and upgrading NI software using NI Package Manager.

Notes

- If Windows Update is enabled, the installation process might hang if Windows Update interferes with the installation of Microsoft Visual C++ 2015 Run-Time. Visit ni.com/r/exjq43 (http://www.ni.com/r/exjq43) for more information and steps to resolve this issue.
- When prompted, enter the serial number for each product you want to activate. Your serial number can be found at ni.com/myproducts (http://www.ni.com/myproducts). If you are managing your license with a volume license server, you should receive your volume license file by email.

Complete the following steps to install products using the LabVIEW Platform media.

1. Insert the LabVIEW Platform media.
2. Follow the installer prompts, enter any required information, and activate when prompted, if necessary.

Save the media in order to modify or repair your installation or to distribute NI software with your custom-built installers.

Are you upgrading from a previous version of LabVIEW? Refer to the *LabVIEW Upgrade Notes* for information about protecting existing VIs and projects before installing a new version of LabVIEW, as well as upgrade and compatibility issues and a complete list of new features in LabVIEW 2020.

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Patch Details

You can access a list of issues fixed for LabVIEW 2020 on the LabVIEW 2020 Patch Details (http://ni.com/r/lv2020-pd) page.

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Installing Another Language Version

If you have another language version of LabVIEW 2020 installed on your computer, uninstall that version before installing the new language version.

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LabVIEW Module and Toolkit Compatibility

If you want to install LabVIEW modules and toolkits, ensure you install modules and toolkits that are compatible with LabVIEW 2020. If you attempt to install incompatible toolkit versions, you might corrupt your LabVIEW installation. If you install an incompatible version and corrupt your LabVIEW installation, visit `ni.com/info` and enter the Info Code repair (http://digital.ni.com/express.nsf/bycode/repair) to learn how to repair software in NI Package Manager.

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Products Included in the LabVIEW Platform

The following products are included in the LabVIEW Platform. Refer to the readme of each product for information including system requirements, installation, activation, known issues, and bug fixes.

Application Software

- LabVIEW Development System
- Advanced Signal Processing Toolkit
  - System Identification Assistant
- Control Design and Simulation Module
  - Control Design Assistant

  - System Identification Assistant
- Datalogging and Supervisory Control Module
- Datalogging and Supervisory Control Run-Time System
- Desktop Execution Trace Toolkit for Windows
- Digital Filter Design Toolkit
- FPGA Compile Farm Toolkit
- FPGA ISE Compilation Tool
- FPGA Module
- FPGA Vivado Compilation Tool
- JKI VI Package Manager
- MathScript Module
- Model Interface Toolkit
- NI Sound and Vibration Measurement Suite
- NI Switch Executive
- Real-Time Module
- Unit Test Framework Toolkit
- VI Analyzer Toolkit
- Vision Development Module

LabVIEW NXG Support

- LabVIEW NXG
- LabVIEW NXG FPGA Module
- LabVIEW NXG Real-Time Module
- LabVIEW NXG Web Module

Device Drivers

- FlexRIO with Integrated I/O
- FlexRIO with Modular I/O
- IVI Compliance Package
- NI-488.2
- NI-DAQmx
- NI-DCPower
- NI-DMM
- NI-FGEN
- NI-HSDIO
- NI-IMAQ
- NI-IMAQ I/O
- NI-IMAQdx
- NI-SCOPE
- NI-Serial
- NI-SWITCH
- NI-Sync
- NI-VISA
- NI-XNET
- NI CompactRIO
- NI PXI Platform Services
- NI R Series Multifunction RIO

Notes

- LabVIEW 2020 installs the LabVIEW Database Connectivity Toolkit and the LabVIEW Report Generation Toolkit for Microsoft Office.
- The DataFinder Toolkit no longer exists. You can now find the functionality of this toolkit on the DataFinder Connectivity palette in LabVIEW 2020.
- In 2019, the Statechart Module moved to the LabVIEW Tools Network.

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Product Security and Critical Updates

Visit ni.com/security (http://www.ni.com/security) to view and subscribe to receive security notifications about NI products. Visit ni.com/critical-updates (http://www.ni.com/critical-updates) for information about critical updates from NI.

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Automating the Installation of NI Products

You can automate the installation of most NI products using command-line arguments to suppress some or all of the installer user interface and dialog boxes.

If the NI product you are installing uses Microsoft .NET 4.6.2, the .NET installer may run before any NI software installs and may require a reboot before the installation of NI software begins. To avoid a .NET reboot, install .NET 4.6.2 separately before you install NI software.

For more information about automating the installation of NI products, refer to Automating an Installer (http://www.ni.com/r/autoinstall) in the NI Package Manager manual.

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Using NI Software with Microsoft Windows 10

Microsoft Windows 10 is the latest version of the Windows operating system and features significant changes compared to previous versions. Windows 10 introduces several new capabilities and also combines features from both Windows 7 and Windows 8. For more information about NI support for Windows 10, visit ni.com/windows10 (http://www.ni.com/windows10).

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Using NI Software with Microsoft Windows 8.1

When you install NI software on Microsoft Windows 8.1, you will notice a few additional tiles in the Apps view, including shortcuts to NI application software products such as NI LabVIEW, Measurement & Automation Explorer (NI MAX), and NI Launcher. For more information about NI support for Windows 8.1, visit ni.com/windows8 (http://ni.com/windows8).

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LabVIEW Platform Drops Support for Windows 7 (32- and 64-Bit), Windows Server 2008 R2, and All 32-Bit Windows Operating Systems in 2021

LabVIEW Platform will drop support for Windows 7 (32- and 64-bit), Windows Server 2008 R2, and all 32-bit Windows operating systems starting in 2021. Versions of this product that ship after May 1, 2021 will not install or run on these operating systems. For detailed information about NI operating system support, visit ni.com/r/win32bitsupport (http://www.ni.com/r/win32bitsupport).

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You can find end-user license agreements (EULAs) and third-party legal notices in the following locations after installation:

- Notices are located in the `<National Instruments>\_Legal Information` and `<National Instruments>` directories.
- EULAs are located in the `<National Instruments>\Shared\MDF\Legal\license` directory.
- Review `<National Instruments>\_Legal Information.txt` for information on including legal information in installers built with NI products.

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