Linux
LabVIEW™ Installation Guide

Before You Begin

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.

① Install LabVIEW Development System

NI LabVIEW

- Insert and mount the LabVIEW installation media.
- As the root user in the mounted directory, enter `sh ./INSTALL` to install LabVIEW in the `/usr/local` directory.

   Note: To manually install LabVIEW without using the INSTALL script, refer to the `README` file in `/mnt/cdrom`.

② Install LabVIEW Modules and Toolkits

Application Builder

- Verify that the add-on is compatible with this version of LabVIEW at `ni.com/info` ⇨ `compat`.
- Insert and mount the installation media for the add-on.
- As the root user in the mounted directory, enter `sh ./INSTALL`.

③ Install NI Device Drivers

NI Device Drivers

To use hardware with a new version of LabVIEW, you must install a new version of the driver for the device. Install new drivers from the following locations:

- NI-VISA—Available through the LabVIEW INSTALL script
- NI-DAQmx Base—`ni.com/info` ⇨ `daqbase`
- Other newly purchased NI devices—Installation media packaged with the device
- Other NI devices that you already own—`ni.com/drivers`

④ Install Hardware

Refer to your device documentation, such as printed manuals or PDFs, for information about installing your NI hardware.

Problems Installing LabVIEW?

For answers to common questions about installing LabVIEW and NI device drivers, refer to the *LabVIEW Installation Troubleshooting Guide* (`troubleshooting_guide.html`) on the LabVIEW installation media.

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LabVIEW System Requirements

The following system requirements apply to the LabVIEW Full and Professional Development Systems.

Linux	Run-Time Engine	Development Environment
Processor	Pentium III/Celeron 866 MHz or equivalent	Pentium 4M or equivalent
RAM	256 MB	1 GB
Screen Resolution	1024 x 768 Pixels	1024 x 768 Pixels
Operating System	Linux kernel 2.2x, 2.4x, 2.6x, or 3x, and GNU C Library (glibc) Version 2.4.4 or later for the Intel x86 architecture	Red Hat Enterprise Linux Desktop + Workstation 5 or later, open SUSE 12.1 or later, or Scientific Linux 6 or later
Disk Space	115 MB	1.1 GB for the complete installation (excluding drivers)
Color Palette	N/A	LabVIEW and the *LabVIEW Help* contain 16-bit color graphics. LabVIEW requires a minimum color palette setting of 16-bit color.
Temporary Files Directory	N/A	LabVIEW uses a directory for storing temporary files. National Instruments recommends that you have several megabytes of disk space available for this temporary directory.
Adobe Reader	N/A	You must have Adobe Reader installed to search PDF versions of all LabVIEW manuals.

Note: National Instruments recommends that you use Firefox 3.6.26 or later to view the *LabVIEW Help*.

Additional System Requirements for LabVIEW Modules and Toolkits

LabVIEW modules and toolkits may have additional system requirements. To verify that your system meets the minimum requirements for the specific LabVIEW module or toolkit you want to install, refer to the readme file on the installation media for the module or toolkit.

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