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PCI-MXI-2

NI-VXI™/NI-VISA™ for the PCI-MXI-2 for Linux

This installation guide describes system requirements, gives installation instructions, and includes support information for NI-VXI/NI-VISA for the PCI-MXI-2 interface for the Linux operating system.

System Requirements

NI-VXI for Linux requires the following system components:

- Linux kernel 2.4.*x* or 2.6.*x* for the Intel *x*86 architecture
- Support for building kernel modules (included with all major Linux distributions)

Recommended Linux distributions are:

- RedHat Enterprise Linux
- SuSE Linux
- Mandrake Linux

Installation Instructions

Before you begin, you may need to install Linux on your computer. Refer to your Linux distribution documentation for instructions. Install the PCI-MXI-2 as described in the *Getting Started with Your VXI/VME-PCI8026 and the NI-VXI/NI-VISA Software for Linux* manual. After your computer is booted into Linux, you are ready to install the NI-VXI/NI-VISA software.

To install NI-VXI/NI-VISA for the PCI-MXI-2 for Linux, perform the following steps:

1. Insert the *NI-VXI/NI-VISA for Linux* CD.
2. Log in to your system as root.

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3. Mount the CD-ROM.

4. To change the current directory to the mounted CD-ROM, type the following command:

   `cd /media/cdrom`

Note This command may vary depending on your Linux distribution.

5. To run the installation script, type the following command:

   `./INSTALL`

   The `INSTALL` script places NI-VXI and NI-VISA in their default locations in `/usr/local`. The script uses `rpm` to install the packages. The script also optionally installs support for NI-VXI in LabVIEW.

Note There are two versions of the driver. Version 2.0.*x* supports Linux kernel 2.4.*x*, and version 2.1.*x* supports Linux kernel 2.6.*x*. The `INSTALL` script autodetects which version to install.

See the `README` file on the CD-ROM for additional important information and instructions, including how to compile and load the driver.

Technical Support

Technical support for Linux-specific problems is available via email and phone. Send your questions to `support@ni.com` or call (512) 795-8248. See `ni.com/support/vxisupp.htm` for additional information and resources related to NI-VXI/NI-VISA for the PCI-MXI-2 for Linux.

For more information, visit the KnowledgeBase, a searchable online database of common questions and support issues. You can access the KnowledgeBase at `ni.com/support` by clicking the **KnowledgeBase** link.