

INSTALLATION GUIDE

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 x86 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`.

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.