Novell
Linux Desktop

Welcome to Novell Linux Desktop

Novell® Linux* Desktop (NLD) offers a stable and secure working environment packed with easy-to-use business software and services. NLD offers both GNOME and KDE desktops as well as leading Novell products and services to create a work environment that helps you capture and share business information.

SYSTEM REQUIREMENTS

- ❑ Pentium* II+, 266 MHz or higher, or any AMD64 or Intel* EM64T processor

- ❑ 128 MB RAM (256 MB recommended, 64 GB maximum)

- ❑ 800 MB available disk space (4 GB recommended)

- ❑ 8 TB maximum disk space

- ❑ 800 x 600 or higher display resolution; 1024 x 768 or higher recommended

INSTALLING NOVELL LINUX DESKTOP

1 Insert the *Novell Linux Desktop CD 1 or DVD* into the drive, then reboot the computer to start the installation program.

2 Select Installation on the boot screen, then press Enter.

This loads the Novell Linux Desktop installation program and starts the installation in normal mode. You can also select from the following additional options:

- ◆ **Boot from Hard Disk**: Boots the system already installed on the hard drive (the system normally booted when the machine is started).

- ◆ **Installation — ACPI Disabled**: If the normal installation fails, it could be because the system hardware doesn't support the Advanced Configuration and Power Interface (ACPI). If this seems to be the case, use this option to install without ACPI support.

- ◆ **Installation — Safe Settings**: Boots the system with the DMA mode (for CD-ROM drives) and any interfering power management functions disabled. You can also use the command line to enter or change kernel parameters.

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- **Manual Installation**: By default, drivers are loaded automatically during the installation. If this appears to cause problems, use this option to load drivers manually. This option does not work if you use a USB keyboard on your system.

- **Rescue System**: If you are unable to boot into your installed Linux system for some reason, you can boot the computer from the CD using this option. This starts a minimal Linux system without a graphical user interface, which lets you access disk partitions for troubleshooting and repairing the installed system.

- **Memory Test**: Tests your system RAM by means of repeated read and write cycles. This is done in an endless loop because memory corruption often shows up sporadically and many read and write cycles might be necessary to detect it. If you suspect that your RAM is defective, start this test and let it run for several hours. If no errors are found after a long period of time, you can assume that the memory is intact. End the test by rebooting the system.

3 Read the License agreement, then click I Agree to accept it and continue the installation.

4 Select the language to be used for the keyboard layout, then click Accept.

   Novell Linux Desktop also uses this language setting to assume a time zone for the system clock.

5 Select your default desktop environment (GNOME or KDE), then click Accept.

   If you do not know which environment your company prefers, ask your system administrator. For more information on the desktop environments, see the *Novell Linux Desktop GNOME User Guide* (http://www.novell.com/documentation/nld/userguide_gnome/data/front.html) and the *Novell Linux Desktop KDE User Guide* (http://www.novell.com/documentation/nld/userguide_kde/data/front.html).

6 Use the Installation Settings screen to view the hardware detected and a number of proposed installation and partitioning options, then select your desired options.

   You can select any of the following options and configure them in the corresponding dialogs. After your changes have been made, you are always returned to the Installation Settings screen, which is updated accordingly.

   - **System**: Detects system hardware and lets you save the results to a floppy or file.

   - **Mode**: This version of Novell Linux Desktop only offers the New Installation mode.

   - **Keyboard Layout**: Lets you change the previously selected keyboard layout. By default, the layout corresponds to the selected language.

   - **Mouse**: Lets you select a mouse type other than the one Novell Linux Desktop detected automatically. After selecting a mouse type, press Alt+T to test whether the device works correctly without making the selection permanent.

   - **Partitioning**: Lets you customize the partitioning. In most cases, Novell Linux Desktop proposes a reasonable partitioning scheme that can be accepted without change.

For more information on partitioning options, see "Partitioning" (http:// www.novell.com/documentation/nld/nld_deployment/data/brxkbgm.html) in the *Novell Linux Desktop Deployment Guide*.

- ◆ **Software**: Novell Linux Desktop offers several types of software packages with various installation scopes. Depending on the available disk space and the desktop environment you selected in Step 5 on page 2, Novell Linux Desktop selects one of the these predefined systems for you. Use this option to change the selected desktop environment and to add or remove packages and filters.

- ◆ **Booting**: During the installation, Novell Linux Desktop proposed a boot configuration for your system. You should normally leave these setting unchanged, but you can use this option if you need a custom setup.

  You can configure the boot mechanism to rely on a special boot floppy. Although this means that the boot floppy has to be in the drive when booting, it leaves an existing boot mechanism untouched. This is usually unnecessary because YaST can configure the boot loader to also boot existing operating systems.

  You can also use the boot configuration to change the location of the boot mechanism on the hard disk.

  For more information, see "Section 8.6: Configuring the Boot Loader with YaST" in the *SUSE LINUX Enterprise Server 9 Administration Guide* (http://www.novell.com/ documentation/sles9/pdfdoc/sles_9_admin_guide/sles_9_admin_guide.pdf).

- ◆ **Time Zone**: Lets you select a time zone. You can also set the hardware clock to Local Time or UTC. If you set the hardware clock to UTC, your system can rely on Novell Linux Desktop to switch between standard time and daylight saving time automatically. Set the clock to Local Time if you are dual booting.

- ◆ **Language**: Lets you change the language you selected in Step 4 on page 2. You can also change the language when you log in.

- ◆ **Default Runlevel**: Lets you define how the system is started after booting. Use the default runlevel 5: Full Multiuser with Network and xdm (you will be prompted to log in directly under a graphical interface). Do not change the runlevel unless instructed to do so by your system administrator.

7 When you are finished configuring the installation settings, click Accept > Yes, Install to begin the installation.

The installation usually takes 30-45 minutes, depending on your system performance and the software you selected. After completing the basic system setup and the installation of all selected software packages, the Novell Linux Desktop installation boots into the new Linux system, after which you can create users, configure the hardware, and set up system services.

NOTE: If you are installing from CD, leave CD 1 in your CD-ROM drive during the reboot and do not select any installation options. When the reboot is finished, the installation will continue and you will be promted to insert CD 2, followed by CD 3.

8 Type a password for the system administrator account (called the root user, or root), then click Next.

Unlike regular users who might or might not have permission to do certain things on the system, root has unlimited power to do anything, including change the system configuration, install programs, set up new hardware, and change user passwords. The root account should be used only for system administration, maintenance, and repair. Logging in as root for daily work can be risky, because a single mistake could lead to the irretrievable loss of system files.

For security reasons, the root password should be between five and eight characters long and should contain a mixture of both upper- and lowercase letters and numbers. The maximum length for passwords is 72 characters, and passwords are casesensitive. If you have a password longer than eight characters, click Expert Options > Blowfish > OK.

You should never forget the root password. After you enter it here, the password cannot be retrieved. It can only be reset with administrative assistance.

9 In the Network Configuration screen, view or change the network connections of your system and then click Next.

If you have network devices (for example, network or wireless cards, a DSL connection, ISDN adapter, or modem), it is a good idea to configure them now, because an Internet connection allows Novell Linux Desktop to retrieve any available updates and include them in the installation.

The network hardware can also be configured after the system installation has been completed. See the *Novell Linux Desktop GNOME User Guide* (http://www.novell.com/documentation/nld/userguide_gnome/data/front.html) and the *Novell Linux Desktop KDE User Guide* (http://www.novell.com/documentation/nld/userguide_kde/data/front.html) for more information.

To skip the network configuration, click Skip Configuration > Next.

10 To validate your Internet access, click Yes, Test Connection to the Internet > Next.

This option also checks for the latest Novell Linux Desktop updates. If you don't want to test the connection at this point, click No, Skip This Test > Next. This also skips checking for product updates.

11 On the Running Internet Connection Test screen, view the results of the test and then click Next to continue.

12 If online updates are available, do the following:

12a Click Yes, Run Online Update Now > OK.

12b In the Activate the ZENworks Online Update Service screen, specify your ZENworks® activation code and your e-mai address.

Your activation code can be found on your Novell Login Portal page.

12c Click Next.

If you prefer not to update now, click No, Skip Update. Updates can be performed at any time after the installation. However, if there are any updates available, we recommend downloading and installing them now to fix known bugs or security issues.

13 In the User Authentication Method screen, click Local (/etc/passwd), unless instructed otherwise by your system administor, then click Next.

14 To create your user account, type your first and last name in the Full User Name field, a username in the User Login field, and a password (as recommended by your system administrator) in the Password field.

For security reasons, your password should be at least eight characters long and should contain both upper- and lowercase letters and numbers. The maximum length for passwords is 72 characters, and passwords are casesensitive.

15 Click Next to complete the User Authentication setup and start the system configuration.

16 After the system configuration has completed, view the Release Notes and then click Next.

17 Use the Hardware Configuration sceen to view or configure your graphics card and other hardware devices, then click Next.

Click a component to start its configuration. For the most part, the Novell Linux Desktop installation detects and configures the devices automatically.

If you prefer not to perform this action right now, click Skip Configuration > Next. You can configure these items later, but we recommend that you configure the graphics card right away. Although the display settings autoconfigured by Novell Linux Desktop should be generally acceptable, you might have strong preferences as far as resolution, color depth, and other graphics features are concerned. For more information, see "Configuring the Graphics Card and Monitor" (http://www.novell.com/documentation/nld/ nld_deployment/data/bsj9mwg.html#bsmqn45) in the *Novell Linux Desktop Deployment Guide*.

18 On the Installation Completed screen, click Finish to close the Novell Linux Desktop installation and continue to the login screen.

19 Type your username in the Username field, then press Enter.

20 Type your password in the Password field, then press Enter.

For information on using and configuring Novell Linux Desktop, see the *Novell Linux Desktop GNOME User Guide* (http://www.novell.com/documentation/nld/userguide_gnome/data/ front.html) and the *Novell Linux Desktop KDE User Guide* (http://www.novell.com/ documentation/nld/userguide_kde/data/front.html).