Installing the Novell Client for Linux

This document explains how to install the Novell Client for Linux software on a workstation.

For information on installing a preconfigured version of the Novell Client, see "Using Configuration Files to Preconfigure the Novell Client" in the *Novell Client for Linux Administration Guide*.

SYSTEM REQUIREMENTS

The Novell Client 2.0 SP1 for Linux requires workstations running one of the following:

- SUSE® Linux Enterprise Desktop 10 SP2 (32-bit or 64-bit)

- openSUSE® 10.3 (32-bit or 64-bit)

IMPORTANT: Do not install the 32-bit version of the Novell Client 2.0 SP1 for Linux onto a 64-bit operating system. If you do so, you will lose the ability to log into the GUI credential provider. You will see the error message, "Authentication Failed," and will be unable to log in.

If you want to use the precompiled Novell Client for Linux Virtual File System provided with the distribution, make sure one of the following packages is installed on your workstation before you install the Novell Client for Linux. The package that is installed depends on your kernel type.

- novfs-kmp-default

- novfs-kmp-smp

- novfs-kmp-bigsmp

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If you want to compile the Novell Client for Linux Virtual File System from sources provided with the Novell Client for Linux, make sure the following packages are installed on your workstation before you install the Novell Client for Linux:

- gcc

- kernel-source

- make

For information on using YaST to install packages, see "Installing the Required Packages" in the *Novell Client for Linux Administration Guide*.

USING THE YAST CONTROL CENTER TO INSTALL THE NOVELL CLIENT

Using YaST to install the Novell Client for Linux requires the following steps:

1. Installing the Novell Client for Linux Packages
2. Starting or Restarting the Novell Client for Linux

Installing the Novell Client for Linux Packages

1 Make sure you have updated the workstation to the latest SUSE Linux Enterprise Desktop 10 SP2 patches.

2 Launch the YaST Control Center.

   GNOME: Click *Computer > More Applications > System > YaST*.

   KDE: Click the menu button > *System > YaST*.

3 If you are not logged in as `root`, type the root password, then click *Continue*.

4 Click *Software* in the left column, then click *Add-on Product* in the right column.

5 Select the appropriate Add-on Product source (such as *CD*, *DVD*, or *Local Directory*), then click *Next*.

   TIP: Select *Local Directory* if you downloaded the file from Novell Downloads (http://download.novell.com).

6 Follow the on-screen instructions for the installation source you specified in Step 5.

   For example, you might be prompted to insert the Novell Client for Linux CD, or to specify which local directory contains a copy of the downloaded Novell Client for Linux files.

7 Select *Yes, I Agree to the License Agreement*, then click *Next*.

8 Select *Patterns* from the *Filter* drop-down list.

9 Select *Novell Client for Linux* in the *Additional Software* category.

10 The *Novell Client for Linux* check box should already be selected. If it is not, select it to automatically select all packages for installation.

11 Click *Accept* to install all of the Novell Client for Linux packages.

12 Start the Novell Client for Linux.

For more information, see "Using the Novell Client Tray Application" in the *Novell Client for Linux User Guide*.

Starting or Restarting the Novell Client for Linux

Use any of the following methods to start or restart the Novell Client for Linux:

- ◆ **Restart the Linux Workstation:** This is the best way to ensure that the Novell Client for Linux is completely restarted.

- ◆ **Manually Start the Novell Client:** Open a terminal window and log in as `root`. From the `/opt` directory, enter one of the following commands:

    - ◆ **New Installations:** `/opt/novell/ncl/bin/ncl_control start`

      This command loads all the Novell Client for Linux daemon modules.

    - ◆ **Updates:** `/opt/novell/ncl/bin/ncl_control restart`

      This command stops and then reloads all the Novell Client for Linux daemon modules.

    If either of these commands displays any errors, restart the Linux* machine.

In addition, `/opt/novell/ncl/bin/ncl_control status` shows whether the Novell Client for Linux drivers are loaded properly, and `/opt/novell/ncl/bin/ncl_control stop` stops all Novell Client for Linux daemon modules.

USING THE INSTALLATION SCRIPT TO INSTALL THE NOVELL CLIENT

NOTE: If you are installing the Novell Client 2.0 SP1 for openSUSE 10.3 using the installation script, you must verify that the `kdelib3` package and the `novfs-kmp-`*x* package are installed before you proceed. In the `novfs-kmp-`*x* package name, *x* matches the installed kernel (for example novfs-kmp-default, novfs-kmp-smp, or novfs-kmp-bigsmp). If you use the YaST installation method, the packages are added automatically through YaST dependency resolution.

An installation script called `ncl_install` is provided in the Novell Client for Linux `.tar.gz` file that you downloaded from Novell Downloads (http://download.novell.com). This script can be used to install, update, verify installation, display information, and uninstall the Novell Client directly from a command prompt using documented RPM commands. This same script is copied to the `/opt/novell/ncl/bin` directory during the installation of the Client for later use in verifying or uninstalling the Client.

Run these commands from the directory where you unarchived the Client download file or from `/opt/novell/ncl/bin` after the initial installation. You must be logged in as `root` to run these commands.

Table 1   *ncl_install Commands*

Command	Description
`./ncl_install install`	Installs the Novell Client for Linux.
`./ncl_install install force`	Forces the installation of all Novell Client for Linux packages.
`./ncl_install upgrade`	Upgrades the Novell Client for Linux.
`./ncl_install upgrade force`	Forces the upgrade of all Novell Client for Linux packages.
`./ncl_install uninstall`	Uninstalls all Novell Client for Linux packages.
`./ncl_install verify`	Verifies the installation of all installed Novell Client for Linux packages.
`./ncl_install information`	Displays summary information for all installed Novell Client for Linux packages.
`./ncl_install files`	Displays a list of all files contained in the Novell Client for Linux packages.

UPGRADING FROM VERSION 2.0

NOTE: Upgrading from an earlier version of the Novell Client for Linux is not supported. You must upgrade your workstation to Novell Client 2.0 before upgrading to 2.0 SP1.

To use YaST to upgrade from the Novell Client 2.0 for Linux to 2.0 SP1, follow these steps. You can also use the `ncl_install` script to upgrade to 2.0 SP1 (see "Using the Installation Script to Install the Novell Client" on page 3 for more information).

1 Launch the YaST Control Center.

   GNOME: Click *Computer > More Applications > System > YaST*.

   KDE: Click the menu button > *System > YaST*.

2 Click *Software > Installation Source*.

3 Select the Novell Client 2.0 for Linux source, click *Delete*, then click *Yes*.

4 Click *Finish*.

5 In the YaST Control Center, click *Software > Add-on Product*.

6 Select your Novell Client 2.0 SP1 for Linux installation source (such as *CD* or *Local Directory*), then click *Next*.

7 Follow the on-screen instructions for the installation source you specified in .

For example, you might be prompted to insert the Novell Client for Linux CD, or to specify which local directory contains a copy of the downloaded Novell Client for Linux files.

8 Select *Yes, I Agree to the License Agreement*, then click *Next*.

If you see *Dependency Conflict* messages informing you that the Novell Client cannot be installed because of missing NICI and NMAS[TM] dependencies:

8a Select *Install novell-nmasclient although it would change the architecture*, then click *OK– Try Again*.

8b Select *Install nici although it would change the architecture*, then click *OK– Try Again*.

9 Select *Patterns* from the *Filter* drop-down list.

10 Make sure *Novell Client for Linux* is selected in the *Pattern* list. It should already have a check mark in the check box.

You should see all of the Novell Client for Linux packages in the package summary list. All packages should be selected for installation except for `novell-xtier-xplat`, which does not have a check mark.

11 Select `novell-xtier-xplat` for installation.

12 Right-click the `novell-client` package in the package summary list, then select *All in This List > Update if newer version available*.

The icons to the left of the packages in the package summary list change from a check mark to the update symbol, except for `novell-xtier-xplat`.

13 Click *Accept* to install all of the selected packages.

You will see all the packages being installed on the Package Installation dialog box, followed by the SuSEconfig dialog box.

14 Start the Novell Client for Linux.

See .

UNINSTALLING THE NOVELL CLIENT FOR LINUX

Use either of the following methods to uninstall the Novell Client for Linux:

Using the YaST Control Center to Uninstall

1 Launch the YaST Control Center.

> **GNOME:** Click *Computer > More Applications > System > YaST*.

> **KDE:** Click the menu button > *System > YaST*.

2 Click *Software* in the left column, then click *Software Management* in the right column.

3 Select *Patterns* from the *Filter* drop-down list.

4 Select *Novell Client for Linux* from the *Additional Software* category to see the list of installed packages.

5 Click the check box to the left of *Novell Client for Linux* until a trash can appears.

> This automatically selects all of the packages that need to be deleted by changing their icons to a trash can.

> If the Novell Client 2.0 SP1 for Linux was installed as an upgrade to the Novell Client 2.0 for Linux, the `novell-xtier-xplat` package icon is not automatically changed to the trash can.

6 Right-click the `novell-client` package, select *All in This List*, then click *Delete*.

7 Click *Accept* to delete all of the selected packages.

> YaST might display the following dependency conflict:

> `product:Client_for_Linux-2.0.0.i686 has missing dependencies`

> If YaST displays this dependency conflict, select *delete Client_for_Linux*, then click *OK - Try Again*.

> YaST displays the progress of the uninstall.

Using the Installation Script to Uninstall

To uninstall the Novell Client for Linux using the installation script, enter `./ncl_install uninstall` in a terminal window. You can run this command from the directory where you unarchived the Client download file or from the `/opt/novell/ncl/bin` directory. You must be logged in as root to run this command.