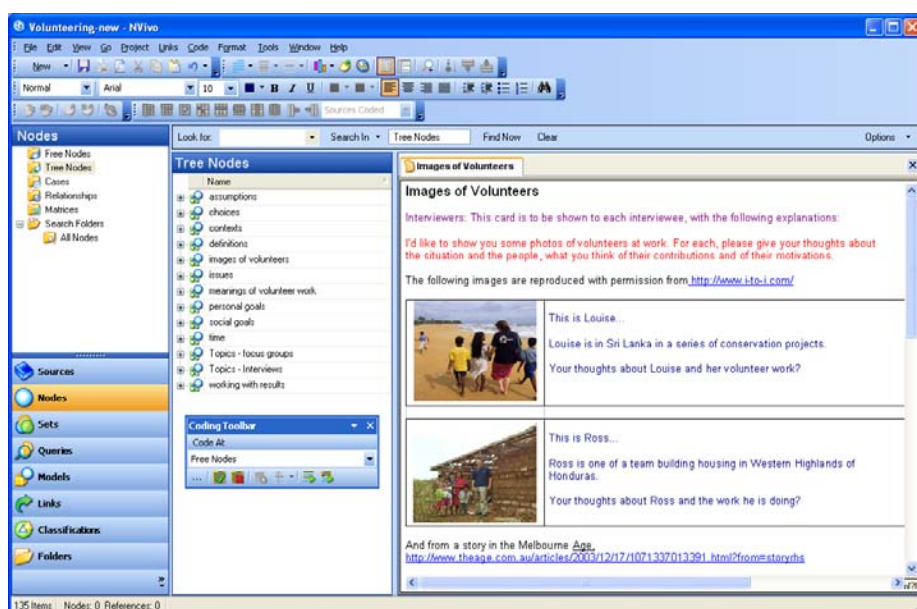


# Network Administrator's Guide

This handy reference guide has been specifically developed for Network Administrators.

It contains everything you need to know about installing and uninstalling QSR's NVivo 7 software on your organization's network. It also includes important information about system configuration for NVivo and privileges required for users to be able to run the NVivo software.



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## Introducing NVivo 7

QSR's NVivo 7 software takes analysis and insight to a whole new level with world-first features designed to help users to work with virtually any type of information, in any language. The software combines cutting edge innovation with the best features of QSR's pragmatic, robust workhorse N6 (formerly NUD\*IST) and flexible, fluid analysis tool NVivo 2. The result is a powerful yet user-friendly program.

NVivo 7 is the next step for users of QSR software – it opens projects from N4, N5, N6, NVivo 1 and NVivo 2.

## Hardware and Software Requirements

Installing NVivo 7 is a simple process that involves moving through a series of screens. Before installing the software, make sure that your computer meets the hardware and software requirements described below. It is also a good idea to have your license key nearby – you can find this number on your NVivo CD sleeve, or – if you downloaded the product – on the download email communication received from QSR.

Specifically, you need the following components to install NVivo 7:

Component	Minimum	Recommended
<b>Processor</b>	1GHz Pentium III-compatible or faster	1.6GHz Pentium III-compatible or faster
<b>RAM</b>	256MB or more	512MB or more
<b>Video</b>	800 x 600 or higher resolution	1024 x 768 or higher resolution
<b>Operating system</b>	Windows 2000 Professional Service Pack 4 or later	Windows XP Service Pack 2 or later
<b>Hard disk</b>	Approximately 700MB of available hard-disk space	Approximately 1GB of available hard-disk space
<b>Other</b>		Internet connection
<b>Security</b>	Administrator privileges on the particular operating system are required for installation.  Users require read/write privileges on their operating system to be able to use NVivo 7.	

## Working With Data in a Language Other Than English

If you intend to work with data in a language other than English, you must ensure that the language has been installed on your computer. Refer to the Microsoft Windows online help for more information.

## Existing QSR Software

Existing versions of NVivo (NVivo 1 or NVivo 2) or NUD\*IST (N4, N5 or N6) software can continue to operate on the same computer as NVivo 7. There is no need to uninstall these programs. It is crucial however, that the total number of QSR software products installed does not exceed the permitted number of users you are entitled to have under your site license agreement.

## Before You Install NVivo 7

NVivo 7 is an extremely powerful software program. This is due in part to its use of the database component Microsoft SQL Server 2005 Express Edition, which is installed as part of the NVivo 7 installation process. Like any software, Microsoft SQL Server 2005 EE has its own required hardware and software platform configurations.

We recommend that you check the following items before attempting to install NVivo 7:

- 1 You must have full Administrator privileges for the computer on which you are trying to install NVivo 7. After installation, NVivo 7 can be run by a 'least privileged' user.
- 2 You should disable Norton Internet Security (Antivirus and Firewall) before installing NVivo 7, as this can impact the successful installation of the SQL component. Importantly, these should be re-enabled after you have installed NVivo 7.
- 3 Microsoft SQL Server cannot be installed on compressed or virtual drives, so if you have set up your computer in this manner to conserve disk space, you need to install NVivo 7 on an uncompressed drive.
- 4 If there is an existing installation of Microsoft SQL Server Native Client on your machine then this must be uninstalled before trying to install NVivo 7. It will be replaced during the installation process. You can uninstall this very simply via the **Control Panel>Add/Remove Programs**.
- 5 If the **C:\Program Files\Microsoft SQL Server** directory or any of its subdirectories have the 'Compress' or 'Encrypt' options enabled, then SQL Server may not install or run correctly. You can check this by:
  - a Opening **Windows Explorer**.
  - b Navigating to **C:\Program Files\Microsoft SQL Server**.
  - c Right click on this folder and select **Properties** from the context menu.
  - d In the **General** tab, click on the **Advanced** button and ensure both the 'Compress...' and 'Encrypt...' checkboxes are unchecked.
  - e Then reinstall NVivo 7 (you may need to uninstall first if you had previously attempted to install).
- 6 If you have a Beta Version of the Microsoft .NET 2.0 Framework or .NET Framework 1.2 installed on your computer, this needs to be uninstalled (again, you can easily accomplish this via the **Control Panel>Add/Remove Programs** function). Please note that Microsoft .Net Frameworks 1.0 and 1.1 should not be uninstalled as they are probably required for other software programs installed on the machine.

## Installing NVivo 7

Follow these steps to install NVivo 7 from the setup.exe:

- 1 Insert the NVivo CD into the CD drive. If the install does not start automatically, double-click the setup.exe file.

OR

If you downloaded NVivo electronically, locate and double-click the NVivo 7.exe file.

The **InstallShield Wizard** is displayed. It lists the components that need to be installed before installing NVivo.

- 2 Click **OK** and follow the prompts to install the components.

When the components are installed, the **QSR NVivo** window is displayed.

- 3 Click the **Next** button.

The **License Agreement** is displayed. Read the agreement and click the **I accept the terms of the license agreement** option.

- 4 Click the **Next** button. The **Registration** window is displayed.

- 5 Enter the **license key**. You can find this number on the NVivo CD sleeve, or – if you downloaded the product – on the download email communication received from QSR.

- 6 Click the **Next** button. The **Setup Type** window is displayed.

- 7 Choose the **Complete** set up option—this is recommended for most users. The set up options are:

Option	Description
Complete	The application is installed with project converters. This means you can open projects created in N6 or previous versions of NVivo.
Custom	Choose the <b>Next</b> button and clear the items you do not want to install: <ol style="list-style-type: none"> <li>1 <b>Application</b> - the NVivo application.</li> <li>2 <b>Project Converters</b> - these are required for converting N4, N5, N6, NVivo 1 and NVivo 2 projects for use in this version of NVivo.</li> </ol>

- 8 Click the **Change** button if you want to change the default location for the application. Software is commonly installed under **Program Files**.

- 9 Click the **Next** button. The **Select Program Folder** window is displayed.

- 10 By default, the install will create a program folder for all your NVivo icons. To put the items in another folder, enter a new folder name.

- 11 Choose the **Next** button. The **Desktop Shortcuts** window is displayed. The selected items will appear as icons on your desktop—if you do not want these icons, clear the check boxes.

- 12 Click the **Next** button. The **Ready to Install Program** window is displayed.
- 13 Check the settings in the **Current Settings** list. To change a setting, click the **Back** button. To continue the installation, click the **Install** button.
- 14 When the files have been copied, the **Installshield Wizard Complete** screen is displayed. By default, the **Show the readme file** option is selected. The readme file contains general information and updates about NVivo. If you do not want to view the file now, click the check box.
- 15 Click the **Finish** button. To start NVivo, double-click the **QSR NVivo 7** icon on your desktop.

## Installing NVivo 7 Using Windows Installer (MSI) Engine

Using the Microsoft Windows installer you can perform a silent installation on a client machine. A silent installation is done entirely from the command line and requires no user interaction.

The MSI file and program files can be extracted from the setup.exe installer using the command **setup /a**. MSI installation is only supported for full installations, so if you have a previous version of NVivo 7 installed, you will need to uninstall first.

### Prerequisites

If you intend to install NVivo 7 using Windows Installer command line techniques, you will need to ensure that the prerequisites for NVivo 7 are installed before you install NVivo 7.

Microsoft Installer Packages for these prerequisites are included in the NVivo 7 setup.exe and are also available for download from the following locations:

#### Microsoft .NET Framework 2.0

<http://download.qsrinternational.com/Software/NVivo7/Components/DOTNETFX.EXE> (22.4 MB)

#### Microsoft SQL Server 2005 Express Edition SP1

<http://download.qsrinternational.com/Software/NVivo7/Components/SQLEXPRESS.EXE> (53.8 MB)

#### Crystal Reports for .Net Framework 2.0 (x86)

[http://download.qsrinternational.com/Software/NVivo7/Components/CRRedist2005\\_x86.msi](http://download.qsrinternational.com/Software/NVivo7/Components/CRRedist2005_x86.msi) (16.1 MB)

Later releases of the above components may become available. However we recommend that you use the above tested versions for which NVivo 7 has been developed.

NVivo 7 uses Windows Installer 3.1 which is available for download from [www.microsoft.com](http://www.microsoft.com).

### Performing a Silent Install

- 1 Go to the command line prompt.
- 2 Install the .NET Framework 2.0 using the following command line:

```
DOTNETFX
```

- 3 Install the SQL Server 2005 Express Edition using the following command line:

```
SQLEXPR /qb ADDLOCAL=ALL SQLAUTOSTART=1 INSTANCENAME="QSRNVivo"
SQLCOLLATION="Latin1_General_BIN"
```

- 4 Install Crystal Reports for .NET 2.0 using the following command line:

```
CRRedist2005_x86.msi /qb
```

- 5 Install NVivo using the following command line:

```
msiexec /Option <Required Parameter> [Optional Parameter]
```

The following command line options are supported:

Install Options	Description
<code>&lt;/package   /i&gt; &lt;Product.msi&gt;</code>	Installs or configures a product
<code>/a &lt;Product.msi&gt;</code>	Administrative install - Installs a product on the network
<code>&lt;/uninstall   /x&gt; &lt;Product.msi   ProductCode&gt;</code>	Uninstalls the product

Display Options	Description
<code>/qn</code>	Sets user interface level - No UI

Logging Options	Description
<code>/l[i w e a r u c m o p v x + ! *] &lt;LogFile&gt;</code>	<ul style="list-style-type: none"> <li>i - Status messages</li> <li>w - Nonfatal warnings</li> <li>e - All error messages</li> <li>a - Start up of actions</li> <li>r - Action-specific records</li> <li>u - User requests</li> <li>c - Initial UI parameters</li> <li>m - Out-of-memory or fatal exit information</li> <li>o - Out-of-disk-space messages</li> <li>p - Terminal properties</li> <li>v - Verbose output</li> <li>x - Extra debugging information</li> <li>+ - Append to existing log file</li> <li>! - Flush each line to the log</li> <li>* - Log all information, except for v and x options</li> </ul>
<code>/log &lt;LogFile&gt;</code>	Equivalent of <code>/!* &lt;LogFile&gt;</code>

## Setting Public Properties

[PROPERTY=PropertyValue]

The following Public Properties can be used:

Public Property	Can be defined using...
License key (no hyphens)	PIDKEY= "XXXXXXXXXXXXXXXXXXXXXXXXXXXX"
Installation directory (optional)	INSTALLDIR="C:\Program Files\QSR\NVivo 7"
Start menu folder (optional)	QSR_START_MENU="QSR\NVivo 7"
NVivo 7 desktop shortcut (optional)	QSR_DESKTOP_APPLICATION=1 (include) or 0 (remove)
Tutorials desktop shortcut (optional)	QSR_DESKTOP_TUTORIAL=1 (include) or 0 (remove)

## Important Points to Note About Installation

### Sample Project and Data

NVivo installs a Sample Project and supporting data to assist new users in quickly learning about the software. The Sample Project and data is installed in the following location giving all users full permissions to the folder:

**C:\Documents and Settings\All Users\Shared Documents\NVivo 7 Samples**

If the permissions installed by NVivo 7 are modified, this sample project data may not be accessible for all users.

### Automatic Services

The SQL Server (QSRNVIVO) service is configured to start automatically. This service provides NVivo 7 with database access to project files. It is configured to start automatically on workstation startup, operating under the Network Service account.

If the configuration of this service is changed so that it doesn't start automatically on workstation startup, NVivo 7 will attempt to start the service when it is launched. If the current user doesn't have the necessary system permissions to start this service, NVivo 7 will fail to launch. Any security software that checks for automatic services should be set to allow this service to start.

## Registry Keys

NVivo 7 requires all users to have full read/write access to its areas of the registry (which are HKEY\_LOCAL\_MACHINE/SOFTWARE/QSR and HKEY\_LOCAL\_MACHINE/SOFTWARE/Environment) in order to operate. NVivo sets these permissions during the installation process and no action is required by the Network Administrator. However, if the registry permissions installed by NVivo 7 are modified after installation, NVivo 7 may fail to launch.

## Product Activation and NVivo 7

After installing NVivo, you have a limited amount of time before you are required to 'activate' the product. Product activation is a simple and secure process that ensures only valid licenses are used to operate the software.

You can activate your license via the Internet or by contacting QSR. Each instance of NVivo 7 needs to be activated, so if you are installing NVivo 7 in an onsite laboratory or across a network, activation is required from each workstation.

### Activating via the Internet

If you are connected to the Internet, you can activate your license online:

- 1 Ensure that you are connected to the Internet.
- 2 On the **Help** menu, click the **Activate License** option (or **Activate Now** on the activation reminder). The **Activate** screen is displayed.
- 3 Click the **Activate via Internet** option.
- 4 Enter your details. Those marked with an asterisk (\*) must be provided.
- 5 Click **Activate** (to complete your product activation).

### Activating via Command Line and XML

If required, you can perform a 'silent' activation on a client machine. A silent activation is done entirely from the command line and requires no user interaction.

NVivo 7 can be activated over the Internet using a command line script and XML file. A sample XML file can be downloaded from QSR at

<http://download.qsrinternational.com/Document/NVivo7/SampleActivation.xml>

The following script needs to be run on each machine you intend to activate:

```
nvivo -a <activation filename> [-u <username> [-p <password>] [-d <domain>]]
```

This command performs a silent product activation of NVivo using the activation details in the specified activation file. Note: If your organization's proxy server requires your activation request to be authenticated, you may optionally specify a username, password and/or domain. This information is not retained by QSR International.

## Activation File Format

```
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<Activation>
  <Request>
    <FirstName>John</FirstName>
    <LastName>Sysadmin</LastName>
    <Email>admin@yourorg.com</Email>
    <Company>Your Organization</Company>
    <Department>Your Department</Department>
    <AddressLine1>Level 2</AddressLine1>
    <AddressLine2>100 Main St</AddressLine2>
    <City>Boston</City>
    <State>MA</State>
    <Country>USA</Country>
    <PostCode>02129</PostCode>
    <Fax>+1-555-555-5555</Fax>
    <Phone>+1-555-555-5555</Phone>
  </Request>
</Activation>
```

**Note:** Fields in bold are mandatory

## Contacting QSR to Activate

If you do not have an Internet connection, you can activate your license by:

- Providing an activation request to QSR.
- Entering the activation key provided by QSR.

### To Provide an Activation Request:

- 1 On the **Help** menu, click the **Activate License** option (or Select **Activate Now** on the activation reminder). The **Activate** screen is displayed.
- 2 Click the **Activate via Mail/Fax** or **Phone** options.
- 3 Enter your details. Those marked with an asterisk (\*) must be provided.
- 4 Click the **Generate** button to obtain an **Installation Key**. (This must be provided to QSR along with your details).
- 5 Click the **Print** button to print the **Activation Request** form.
- 6 Contact QSR using the details provided on the form.

### Entering the Activation Key Provided by QSR:

- 1 On the **Help** menu, click **Activate License**.
- 2 The **Activate** screen is displayed.
- 3 In the **Activation key** field, enter the **Activation Key** provided by QSR.
- 4 Click the **Activate** button.

## Removing NVivo 7

To remove the NVivo software from your computer:

- 1 On your Windows **Start** menu, click the **Control Panel** option. The **Control Panel** is displayed.
- 2 Click the **Add or Remove Programs** option.
- 3 Choose **QSR NVivo 7** from the list of currently installed programs.
- 4 Click the **Remove** button. The InstallShield Wizard is displayed.
- 5 Click the **Remove** option.
- 6 Click the **Next** button. You are prompted to confirm the removal of **NVivo**.
- 7 Click **OK**. NVivo files are removed from your computer.

## Removing Other Components

NVivo relies on a number of other components to run, and if they are not already present when you install the software, NVivo will install them for you. However, when NVivo is uninstalled, these components remain on the workstation. These components can be removed individually using the **Add or Remove Programs** function which can be accessed from your computer **Control Panel**. You should only uninstall them if you are **certain that they are not utilized by other programs** on your computer. The components to be removed in the following order are:

1. Crystal Reports for .NET Framework 2.0
2. Microsoft SQL Server 2005 Express Edition
3. Microsoft .NET Framework 2.0

## Further Information

For further information about NVivo 7 or for useful tips on using the software, please refer to the following resources:

- The **QSR website** ([www.qsrinternational.com](http://www.qsrinternational.com)) also contains a comprehensive list of Frequently Asked Questions and Answers and the latest product information.
- Web-based peer support is available via the **QSR Forum** (<http://forums.qsrinternational.com/>).
- The guide to **Getting Started** with NVivo 7 will help users to get up and running in NVivo 7. A copy of this guide comes with the NVivo 7 software, and is also available as a pdf file from the QSR website.
- **Online Help** is contained within the NVivo 7 software and it provides comprehensive information about working with NVivo 7.
- **Getting Started Tutorials** are animated demonstrations of how to create and set up a project. Again, these are included with the NVivo 7 software.
- One-on-one assistance is available via QSR's **helpdesk**. Contact the helpdesk via email [info@qsrinternational.com](mailto:info@qsrinternational.com).