Vector NTI Advance™ 9.0
Installation and Licensing Guide
September 2003
# Table of Contents

## Introduction

Overview ................................................................................................................... 1

## Vector NTI Advance 9 System Requirements

Minimal System Requirements ................................................................................. 2

## Supported Configurations for Vector NTI Advance 9

Single-User Machines ............................................................................................... 2

- Windows 98 SE, ME ................................................................................................. 2
- Windows NT 4 Workstation, 2000, XP .................................................................. 2

All Supported Multi-User Platforms .......................................................................... 3
- Windows NT 4 Workstation/ Windows 2000/ Windows XP .................................... 3

## Upgrading to Vector NTI Advance 9 from Previous Vector NTI Versions

Recommended Steps for Upgrade ............................................................................. 3

- Earlier Vector NTI Advance Version Compatibility .................................................. 4
- Un-installing Previous Versions of Vector NTI ......................................................... 4
- Accessing an Existing ............................................................................................... 5
- Vector NTI Database after Installing Vector NTI Advance 9.0 .......................... 5
- Earlier Version Shared Database Compatibility ....................................................... 5

## Installing Vector NTI Advance 9

Preliminary Considerations ....................................................................................... 5

- Upgrading to Windows Installer Version 2 .............................................................. 6
- Vector NTI Local Database ..................................................................................... 6
- Vector NTI Local Database Installed on a Network ............................................... 7
- PFAM Database Installation .................................................................................. 7

New Vector NTI Advance 9 Installations ................................................................. 7

- How to Install from the InforMax Website ............................................................ 7
- How to Install from a Vector NTI CD-ROM ......................................................... 8
- How to Perform a Single Install for Multiple Users on Win NT/2000/XP ................ 8

*Installing and Licensing the Primary Installation* .................................................. 9

*Creating Separate User Databases* ....................................................................... 9

- How to Install Vector NTI Advance 9 from the Command Line .......................... 10

Existing Vector NTI Advance 9.0 Installations ....................................................... 11

- Modifying, Repairing or Removing an Existing Installation .............................. 11
- Updating an Existing Installation ........................................................................... 12

## Licensing Vector NTI Advance Applications

License Manager ....................................................................................................... 13

License Manager Dialog Box .................................................................................. 14

- Contact Us Tab ....................................................................................................... 14
- Personal Tab: ............................................................................................................ 14
- Applications Tab ..................................................................................................... 15

*Initiating Vector NTI Advance 9.0 Licensing* ....................................................... 15

Static License .......................................................................................................... 15

Trial License .............................................................................................................. 17

Dynamic License from a DLS Server ...................................................................... 18
Transferring Vector NTI Advance to a New Computer (PC to PC) .................................................... 19
  Vector NTI and the Hardware ID ................................................................................................. 19
Performing Backups.................................................................................................................. 19
  Saving Vector NTI Database Molecules ................................................................................ 19
  Saving Vector NTI Custom Settings ...................................................................................... 20
Restoring Database and VNTI Settings .................................................................................... 20
  Restoring the VNTI Database and User Profiles .................................................................. 20

Opening Vector NTI Advance Applications ............................................................................. 21
  How to open Vector NTI Advance NTI Applications ................................................................. 21

Contacting Technical Support .................................................................................................. 22
  Contact Information ................................................................................................................. 22
  Eligibility ................................................................................................................................. 22

InforMax Product License Agreement ......................................................................................... 23
Introduction

Overview

Vector NTI™ Advance for PC (Vector NTI Advance 9.0), a suite of desktop applications, is a comprehensive set of sequence analysis tools specifically designed for molecular biologists and bioinformatics scientists. The Vector NTI Advance software is capable of running under a number of Microsoft Windows operating systems.

This document summarizes supported configurations for Vector NTI Advance 9.0 for PC. Directions for installing and licensing Vector NTI Advance 9.0 are also included here.

This document does not address DLS installation or dynamic licensing of Vector NTI Advance 9. Customers with DLS Licenses should first install and license the DLS software before installing Vector NTI Advance 9.0. For information on DLS installation and dynamic licensing of Vector NTI, see Installation and Licensing Guide, Vector DLS 2.0, available on the support page of the InforMax website.

Note: Vector NTI Advance 9 is only supported with DLS versions 2.0 and higher.

Vector Xpression is not included in the Vector NTI Advance 9 installation; it has its own unique installer. This document does not address Vector Xpression installation. For more information on Vector Xpression installation, see Installation and Licensing Guide, Vector Xpression. Both the Vector Xpression installer and installation guide can be downloaded from the InforMax website: http://www.informaxinc.com.

In upgrading to Vector NTI Advance 9 from previous version of Vector NTI, pay close attention to the comments and directions regarding software versions and database compatibility. The section Upgrading to Vector NTI Advance 9 begins on page 3.
Vector NTI Advance 9 System Requirements

Minimal System Requirements

- Microsoft Windows:
  - Windows 98 SE (second edition), Windows NT 4.0 Workstation (service pack 6a), 2000, ME, or Windows XP (Professional)
- 500 Mb HD space
- 128 Mb RAM
- Microsoft Installer Version 2

Note: Vector NTI Advance 9 is only supported on single processor machines. The software is not designed to run on multi-processor machines; such configurations cannot be guaranteed successful.

NOTE:
If you have Microsoft Internet Explorer, you can automatically check your system for compatibility with all Vector NTI Advance 9 system requirements and upgrade it as necessary. To do this, using MS Internet Explorer, go to the Downloads section of the InforMax web site, http://www.informaxinc.com, and follow the instructions.

Note: This option is not available using Netscape Navigator.
For more information on the automatic update process, see Installing Vector NTI Advance on page 3.

Supported Configurations for Vector NTI Advance 9

Single-User Machines

Windows 98 SE, ME

Default locations for a new installation are C:\Program Files\Informax\Vector NTI Suite 9 (VNTI program files) and C:\VNTI Database (VNTI database files).

Windows NT 4 Workstation, 2000, XP

- User must have standard user rights or higher.

Important: On a Windows 2000 platform, if a default installation is performed, users MUST have Power User rights. If you have Restricted User rights on a Windows 2000 platform, DO NOT do a default installation; follow the Multi-User Machine installation instructions (see page 9).

- Install when logged in as this very user.
- Default locations for a new installation are C:\Program Files\Informax\Vector NTI Suite 9 (VNTI program files) and C:\VNTI Database (VNTI database files).
All Supported Multi-User Platforms

Windows NT 4 Workstation/Windows 2000/Windows XP

- Default locations for a new installation are C:\Program Files\Informax\Vector NTI Suite 9 (VNTI program files) and C:\VNTI Database (VNTI database files).

**Important:** If you are a Restricted User, you cannot install Vector NTI Advance on a multi-user machine. If you try to do so, an error message displays, followed by the final screen of the Installation Wizard. Click Finish to exit the Wizard. For details on Multi-User Machine installations, see page 9.

**WARNING:** Success of any configurations and/or operating systems not listed in this document cannot be assured.

Upgrading to Vector NTI Advance 9 from Previous Vector NTI Versions

**IMPORTANT re:** GATEWAY Cloning Molecules:
If you upgraded to Vector NTI 9 from a previous version and chose to continue working with your existing database, the Invitrogen molecules needed for the GATEWAY Cloning feature will not exist in your database. To obtain those molecules, you must download them from the InforMax website, [http:///www.informaxinc.com](http:///www.informaxinc.com), the Upgrade page under Support.

If you chose to overwrite your existing database when you upgraded, the Invitrogen molecules will be part your Vector NTI database.

Recommended Steps for Upgrade

If you are upgrading to Vector NTI Advance 9 from any previous Vector NTI version, InforMax strongly recommends that you complete the following steps in the order listed:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Backup the your existing Vector NTI database. (The database is the repository of molecules, enzymes, citations, BLAST search results, etc. used in your earlier work in Vector NTI.) (Follow Database Backup instructions beginning on page 19.)</td>
</tr>
</tbody>
</table>
## Step 2: Install Vector NTI Advance 9.0.

- If the Install Wizard detects a previous version of Vector NTI, and provides the option to uninstall it, it is recommended that you select the Uninstall option.
- If you choose not to uninstall a previous version, install the Vector NTI Advance 9 database in a different location than the previous Vector NTI version database. (Follow Installation instructions beginning on page 5.)

After the installation, Vector NTI 9 version should be installed and connected to the existing database.

## Step 3: If you have custom Vector NTI settings, re-run the Vector NTI Installer and Repair. (Follow Installation instructions with Repair directions beginning on page 11.)

## Step 4: Restore the Vector NTI database. (Follow Restoring Database instructions beginning on page 20.)

### Earlier Vector NTI Advance Version Compatibility

Although Vector NTI Advance 9 does not install as an update to earlier versions of Vector NTI Advance, earlier versions of Vector NTI and 9 can coexist on the same machine as separate installations.

### WARNING:

- Install the Vector NTI Advance 9 database in a different location than the existing Vector NTI database. When earlier versions of Vector NTI and 9 installations coexist on the same machine, Vector NTI Advance 9 can access the existing Vector NTI database (see Earlier Version Database Compatibility below)

### Un-installing Previous Versions of Vector NTI

When you run the Vector NTI Advance 9 installer, the Install Wizard provides a convenient option for uninstalling earlier versions of Vector NTI Advance, if you choose to do so. However, you can uninstall Vector NTI Advance 8 after Vector NTI Advance 9 has been installed.

To uninstall a previous version of Vector NTI, perform the following steps:

1. Remove the existing Vector NTI software using the Windows Add/Remove Programs utility.
2. Re-run the Vector NTI Advance 9 installer and choose the **Repair** option to restore complete Vector NTI Advance 9 functionality (see page 11).
**Note:** This step restores files that hold custom display profile settings for DNA/RNA and Protein molecules, etc.

For more information on this process, see the Vector NTI Advance 9 Release Notes, which are part of your Vector NTI Advance 9 installation, available from among the Vector NTI Advance 9 listings under the Start menu.

---

**Accessing an Existing Vector NTI Database after Installing Vector NTI Advance 9.0**

If you have previous a Vector NTI version and 9.0 coexisting on the same computer, as described above, you can direct Vector NTI Advance 9.0 to the existing database only if the existing Vector NTI database is on a local drive. Select the **Database > Select Local Database** menu command in the Exploring Local Vector NTI Database window.

---

**Earlier Version Shared Database Compatibility**

Vector NTI Advance 9.0 is compatible with Shared Databases created using Vector NTI 7 and 8.

Shared Databases created using earlier versions of Vector NTI (v.5.5 or lower) have not been tested with Vector NTI Advance 9.0 and cannot be guaranteed compatible.

---

**Installing Vector NTI Advance 9**

**Preliminary Considerations**

<table>
<thead>
<tr>
<th>BEFORE YOU BEGIN:</th>
</tr>
</thead>
</table>
| • **Customers with DLS Licenses:** Before installing Vector NTI Advance on the client machines, the DLS software must be installed and licensed on the DLS server machine. See *Installation and Licensing Guide, Vector DLS 2.0*: [http://www.informaxinc.com/support/](http://www.informaxinc.com/support/).
| • **Windows NT 4.0 Workstation:** You must be running Service Pack 6 or higher before MS Windows Installer v.2 can be installed on your machine. If you are not running Service Pack 6 or higher, upgrade your machine before continuing. You may need to reboot your machine after upgrading.
| • **Microsoft Windows Installer 2:** You must have MS Windows Installer v.2 installed on your machine in order to successfully install Vector NTI Advance 9. If you do not have MS Windows Installer v.2 installed on your machine, following the instructions for doing so in the section below.

**Note:** With Windows XP, MS Windows Installer v.2 is already installed.
Before you can install Vector NTI Advance 9, the Microsoft Windows Installer must be upgraded to version 2.

To verify the Windows Installer version and upgrade the Installer (if necessary), perform the following steps:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Go to the InforMax web site: <a href="http://www.informaxinc.com">http://www.informaxinc.com</a> and click on the <strong>Downloads</strong> link.</td>
</tr>
<tr>
<td>2.</td>
<td>Fill out the form to register your personal information.</td>
</tr>
<tr>
<td>3.</td>
<td>Click the <strong>Free Downloads</strong> link to show the list of InforMax products for download.</td>
</tr>
</tbody>
</table>
| 4.   | Click the **Download Now** button for Vector NTI Advance 9 (Vector NTI Advance). The system performs a check to see whether you are using MS Internet Explorer or Netscape Navigator with the following results:  
   - If you are using MS IE, your system is automatically checked for the presence and version number of MS Windows Installer. If necessary, your system is upgraded to MS Windows Installer 2 automatically using links to the Microsoft web site. 
   - If you are using Netscape, you are informed that you must perform the Windows Installer upgrade manually. The directions for doing so and related links to the Microsoft web site appear on your browser screen. |

After the MS Windows Installer upgrade is completed, your system is automatically restarted.

**IMPORTANT:**

Vector NTI Advance 9 cannot be installed as an update to an earlier version of Vector NTI, but both Vector NTI Advance 8 and 9 can coexist on the same machine. However, it is essential that the Vector NTI Advance 9 database be installed in a different location than the Vector NTI Advance 8 database.

If you intend to uninstall Vector NTI Advance 8, it is recommended that you do so before installing Vector NTI Advance 9. When you run the Vector NTI Advance 9 installer, it provides a convenient option for uninstalling Vector NTI Advance 8.

It is strongly recommended that, as a precaution, you first perform a VNTI Database Backup before removing any Vector NTI version (see *Performing Backups*, page 19).

**Vector NTI Local Database**

The Vector NTI database is generally designed for local installation (i.e. installation on the same machine on which the Vector NTI Advance program files are installed).
Vector NTI Local Database Installed on a Network

You can successfully install and use a local Vector NTI database on a network drive under two scenarios:

1. If your organization has implemented Microsoft Roaming User Profiles, you can access the database from any computer other than your own. These criteria must be met:
   - The computer must have Vector NTI installed and licensed.
   - You must log in as yourself.
   - The local database must be installed on a mapped network drive.

2. If you do not have a Microsoft Roaming User Profile, you can store your local database on a network drive. Each time, however, that you try to access the database on a computer other than your own, these criteria must be met:
   - The computer must have Vector NTI installed and licensed
   - You must re-point Vector NTI to the database on the network.

PFAM Database Installation

The BioAnnotator module of Vector NTI Advance 9 uses a local copy of the PFAM database for its PFAM advanced analysis search.

If the V9PFAM.msi installation file exists in the same folder as the Vector NTI Advance.msi installation file, the PFAM database is installed automatically when Vector NTI Advance is installed. Otherwise, the PFAM database must be installed separately by running the V9PFAM.msi file after Vector NTI Advance is installed.

If you do not want to install the PFAM database in a separate step, make sure that the V9PFAM.msi installation file is located in the same folder as the Vector NTI Advance.msi installation file when you perform your Vector NTI Advance.

New Vector NTI Advance 9 Installations

How to Install from the InforMax Website

To install Vector NTI Advance 9 from the InforMax web site, follow these steps:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Check your system compatibility with VNTI installation requirements and upgrade your Windows Installer, if necessary. For more information on this process, see Preliminary Considerations on page 5.</td>
</tr>
<tr>
<td>2.</td>
<td>To download the most current version of Vector NTI Advance 9, go to this page of our website: <a href="http://www.informaxinc.com/downloads.html">http://www.informaxinc.com/downloads.html</a></td>
</tr>
</tbody>
</table>
### How to Install from a Vector NTI CD-ROM

To install Vector NTI Advance 9 from a Vector NTI CD-ROM, perform the following steps:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Insert the CD-Rom into the CD drive. If Auto Run has been configured on your computer, the Vector NTI Advance CD Browser opens automatically. If this does not occur, select <strong>Start &gt; Run</strong>. In the Run dialog box that opens, enter the CD drive and name of the executable file. Example: e:\exeFileName. Click <strong>OK</strong>, opening the Vector NTI Advance CD Browser.</td>
</tr>
<tr>
<td>2.</td>
<td>Check your system compatibility with VNTI installation requirements and upgrade your Windows Installer, if necessary. For more information on this process, see <strong>Preliminary Considerations</strong> on page 5.</td>
</tr>
<tr>
<td>3.</td>
<td>Click on <strong>Installation and Documentation</strong>.</td>
</tr>
<tr>
<td>4.</td>
<td>Click on <strong>Install Vector NTI Advance 9</strong>. This begins the software setup. You may need to reboot your system after the system components have been upgraded. Double-click on the installation icon again if the installation does not start automatically after the reboot.</td>
</tr>
<tr>
<td>5.</td>
<td>Step through the Installation Wizard screens, following the directions given in each. The screens are summarized below. <strong>Screen 1:</strong> Welcome screen <strong>Screen 2:</strong> Licensing agreement. <strong>Screen 3:</strong> Choose the paths for the Vector NTI Advance application files and the Vector NTI database. You can redefine the default installation paths and/or create new folders while going through the Installation Wizard. <strong>Screen 4:</strong> Select the installation type, <strong>Complete</strong> (recommended) or <strong>Custom</strong>. Selecting the <strong>Complete</strong> option installs all Vector NTI Advance components. The <strong>Custom</strong> option allows you to install selected Vector NTI Advance components. <strong>Screen 5:</strong> All parameters have been set and the Installer is ready to install the program. Click the <strong>Install</strong> button to begin the installation process.</td>
</tr>
<tr>
<td>6.</td>
<td>The installer loads the Vector NTI Advance files and initializes the registry. When the setup is concluded, click the <strong>Finish</strong> button. <strong>Note:</strong> At the completion of the installation process, you must open License Manager to license your Vector NTI Advance software (see <strong>Licensing Vector NTI Advance</strong>, page 13).</td>
</tr>
</tbody>
</table>
How to Perform a Single Install for Multiple Users on Win NT/2000/XP

Only a user with admin rights can perform a single installation for multiple users on the same machine for the specified supported platforms.

The installation procedure includes a Primary Installation under the admin log in, after which other users can access the Primary Installation (users may have to apply their Vector NTI Advance 9 license number).

With this type of installation (multiple VNTI users on the same machine), one VNTI database can be created and shared or a unique database can be created in a separate location for each user.

Installing and Licensing the Primary Installation

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 1. | **Perform the Primary Installation:**  
A person with full administrative rights (Administrator) on a Windows NT/2000/XP machine installs Vector NTI Advance 9.0 for the first time on the system, following the installation directions given in the previous sections. This person must also add new users to the group that will have access to the installed Vector NTI (follow the directions accompanying Windows NT/2000/XP for adding new users).  

**Note:** It is the administrator’s responsibility to provide users with their Vector NTI Advance license number, in the case of static licenses, or DLS address, in the case of dynamic licenses, so that they can license the software.  

**Important:** If the primary installation database is to be accessed by other users, it must be placed in a non-restricted root directory (i.e. C:\…). |
| 2. | After the primary installation is complete, select **Start > Programs > Informax 2003 > Vector NTI Suite 9 > License Manager**. License Manager opens with a default setting of Demo mode for all applications. |
| 3. | Proceed through the licensing steps described in the Licensing section of this Installation Guide for the license type you have purchased (see page 13). |
| 4. | If a single VNTI Database is to be shared by all users on the machine, open Vector NTI and populate the VNTI Database (see **Opening Vector NTI Advance Applications**, page 21). |

**NOTE:**  
Each user accessing the installed Vector NTI may need to configure the license in License Manager. To check/configure the license, log on as the user and:  

- Choose **Start > Programs > Informax 2003 > Vector NTI Suite 9 > License Manager**.  
- If the license has not already been configured from the Primary Installation, follow the directions given in the **Licensing Vector NTI** section for configuring the license (see page 13).
Creating Separate User Databases

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Once the Primary Installation has been performed, log on as the user. Choose <strong>Start &gt; Programs &gt; Informax 2003 &gt; Vector NTI Suite 9 &gt; Vector NTI Explorer</strong> to launch the Vector NTI Exploring Local Database window.</td>
</tr>
<tr>
<td>2.</td>
<td>In the Exploring Local Vector NTI Database window, choose <strong>Database &gt; Select Local Database</strong> from the menu. This launches the Choose Local Database Directory dialog box where you can create a new database (or direct Vector NTI to another existing database).</td>
</tr>
<tr>
<td>3.</td>
<td>Select the location for the user’s database and press the <strong>New Directory</strong> button. This allows you to define a new folder at that location to hold the new Vector NTI Database. Specify the new folder’s name (for example, <strong>VNTI Database – User 1</strong>) and press the <strong>OK</strong> button. The new path/folder appears in the Choose Local Database Directory dialog box.</td>
</tr>
<tr>
<td>4.</td>
<td>Press the <strong>OK</strong> button. Press <strong>Yes</strong> to confirm that you want to create a new database.</td>
</tr>
</tbody>
</table>

How to Install Vector NTI Advance 9 from the Command Line

The following Windows Installer commands can be used in performing a command line installation of Vector NTI Advance 9:

<table>
<thead>
<tr>
<th>Type</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Installation</strong></td>
<td>msiexec.exe /i &lt;file_name.msi&gt; [/qn</td>
</tr>
<tr>
<td><strong>Uninstall</strong></td>
<td>msiexec.exe /x &lt;file_name.msi&gt; [/qn</td>
</tr>
<tr>
<td><strong>Version Updating</strong></td>
<td>msiexec.exe /i &lt;file_name.msi&gt; [/qn</td>
</tr>
</tbody>
</table>

The elements in the above statement, [EXECDIR="<executable_path>"], [INSTALLDIR="<db_path>"] and [DLSURL="<dls_path>"], allow you to specify the directories for the Vector NTI program files, database files and URL to the DLS server (if you are using a dynamic license), respectively. Examples for the three elements are as follows:

- **EXECDIR="C:\Program Files\VNTI Suite 9"**
- **INSTALLDIR="C:\VNTI Database"**
- **DLSURL="http://serverName_or_IPaddress)/scripts/vntidls.cgi"**

/\i - install
/qn - fully silent installation
/qb - basic UI mode (progress dialog + errors dialog)
/l*v - generate comprehensive log file (may be useful for tracking user installation problems)
<table>
<thead>
<tr>
<th>Type</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Commands</td>
<td>• IWANTDEINSTALL = &quot;Yes&quot; – forces deinstallation of the previous VNTI version</td>
</tr>
<tr>
<td></td>
<td>• DBUPGRADE =&quot;Upgrade&quot; – upgrades previous database, rather than creating new database</td>
</tr>
<tr>
<td></td>
<td>• MIGRATIONDIR =&quot;&lt;target folder&gt;&quot; – specifies the folder that is automatically inserted as the target folder in migration</td>
</tr>
<tr>
<td></td>
<td>• LICENCE =&quot;&lt;license number&gt;&quot; – allows you to specify the license number, initializing the license scheme during installation</td>
</tr>
<tr>
<td></td>
<td>• INCLUDEWC =&quot;Yes&quot; – forces deployment of WebConnectivity tools. (By default, these tools are not copied to the user’s computer.)</td>
</tr>
</tbody>
</table>

**NOTE:**
In command line installation, the DLSURL is entered automatically in the License Manager of the user currently logged on during installation (usually the System Administrator). All other users of multi-user machines who log in after installation must type the DLSURL manually into the Dynamic License Settings tab of the License Manager and then click the **Set dynamic license for all applications** button. For this reason, it is wise for the System Administrator to distribute the DLS URL to all participating users before their first login.

**IMPORTANT:**
Although command line installation is supported for Vector NTI Advance 9, it neither addresses checking/upgrading the client system to MS Windows Installer 2, nor static licensing of the Vector NTI Advance software once it is installed on the client machine.

For more information on command line installation of Vector NTI Advance 9, contact InforMax Technical Support (see page 22).

### Existing Vector NTI Advance 9.0 Installations

**Modifying, Repairing or Removing an Existing Installation**  
Once Vector NTI Advance 9 has been installed, you can modify, repair or remove the existing installation.

To modify, repair or remove an installation, perform the following steps:
Step | Action
--- | ---
1. | Run the VNTI installer program that you previously used to install Vector NTI Advance on your machine (for multi-user machines, do this while logged on as Admin).

Because there is an existing installation, the following screen opens:

![InstallShield Wizard](image)

2. | Follow the directions in the Wizard to Modify, Repair or Remove your Vector NTI Advance 9 installation.

**Note:** The **Remove** option does not delete the Vector NTI Database files from the hard drive. Therefore, if Vector NTI has been uninstalled using the **Remove** option and the Database files have not been manually deleted, you can run the VNTI installer and direct it to those Database files to restore the program.

---

**Updating an Existing Installation**

Once Vector NTI Advance 9 has been installed you can:

- Update a single user installation by running the update installer while logged on as the user, in the case of a single installation.

- Update a Primary Installation while logged on as the Administrator, in the case of multiple installations on the same machine.

**Note:** At the time of this writing, there are no bug fix updates available for Vector NTI Advance 9.0.

To update the installation(s), perform the following steps:

---

Step | Action
--- | ---
1. | Download the most recent Vector NTI Advance 9 bug fix update installer executable to your hard drive from the InforMax web site as described in the **New Installation** section above (see page 7).

2. | Locate the installer executable on your hard drive and double click on it (while logged on as Admin, for multi-user machines).

3. | Step through the remaining screens to complete the update.
NOTES:
• If you see the Modify/Repair/Remove screen when you run the bug fix update installer, choose the Repair option to initiate the update (see Modifying, Repairing or Removing an Existing Installation, page 11).
• Updating the software with a bug fix may put the statically licensed Vector NTI back into Demo mode; in this case the static license must be re-applied (see Licensing Vector NTI Advance Applications below).

Licensing Vector NTI Advance Applications

WARNING: A static license for Vector NTI Advance 9 cannot coexist with a different static license for Vector Xpression on the same machine. You must have the same license and registration key for both Vector NTI Advance 9 and Vector Xpression.
Note: This does not apply to a DLS license.
For details, contact InforMax Technical Support (see page 22).

NOTE: To license Vector NTI Advance 9, you need both a new License Number and a new Registration Key.
• The License Number is provided in the letter accompanying your CD ROM and/or manual.
• The Registration Key is provided by InforMax once you send the License Key via the License Manager.

License Manager
License Manager consolidates the administration of static, trial and dynamic licenses into one window. In this window, there is a tab for each of the three license types and a Summary tab where the current license type is displayed.

NOTE: License Manager does not open automatically once Vector NTI Advance has been installed on your system. You must launch it manually. To do so, choose Start > Programs > InforMax 2003 > Vector NTI Suite 9 > License Manager or click Help > License in any Vector NTI Database Explorer, or any Vector module viewing window once you have opened it.
License Manager Dialog Box

The License Manager consists of three tabs:

**Contact Us Tab**  
This tab summarizes your Vector software licensing agreement. Additionally, it provides information for upgrading your Vector application license and for contacting InforMax.

**Personal Tab:**  
Enter your personal information on this tab. Once entered on this tab, when you click your license choice on the **Applications** tab, your entries are automatically entered on the license application.
Applications Tab

This tab summarizes the type of license currently in effect for any Vector NTI Advance application, as well as Vector Xpression 3.0 and Vector PathBlazer.

**IMPORTANT:**

If you have any module or application running before you set a new license, you need to close and restart that application to apply new license to it.

**Initiating Vector NTI Advance 9.0 Licensing**

For a new installation or update of a previously unlicensed installation, License Manager opens in Demo mode for all applications.

On the Applications tab, click the button at the bottom the screen for the license type you want to register.

**Static License**

To register a Static License for Vector NTI Advance 9, follow these steps:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>In License Manager, at the bottom of the Applications tab, click the Static button.</td>
</tr>
</tbody>
</table>
2. If you entered your personal information on the **Personal** tab, it automatically appears in the Static License dialog box. If not, enter your personal information.

3. Enter the license number provided in the letter accompanying your CD ROM and/or manual. The hardware ID is pre-loaded in its text box.

4. Click the **Apply** button. Your software will be registered immediately.

If the registration fails because of a missing connection to the InforMax licensing server, an appropriate message immediately displays. In this case, you can contact InforMax Technical Support or Sales and provide them your computer’s hardware ID and your license number. A key will be manually configured and emailed to you. Enter that key in the Static License dialog box.

*Once you have applied your static license, notice that the Applications tab reflects your static license status.*

5. Close License Manager.

---

**Warning:**

A static license for **Vector NTI Advance 9.0** cannot co-exist with a different static license for **Vector Xpression 3.0** on the same machine. You must have the same license and registration key for both **Vector NTI Advance 9** and **Vector Xpression 3.0**. (This does not apply to a DLS license.) Call InforMax Technical Support at 240-379-4240 if you need more information.
## Trial License

To register a Trial License for Vector NTI Advance 9, follow these steps:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>In License Manager, at the bottom of the <strong>Applications</strong> tab, click the <strong>Trial</strong> button.</td>
</tr>
<tr>
<td>2.</td>
<td>If you entered your personal information on the <strong>Personal</strong> tab, it automatically appears in the Trial License dialog box. If not, enter your personal information.</td>
</tr>
<tr>
<td>3.</td>
<td>Enter the server URL or click the <strong>Default URL</strong> button to enter it automatically.</td>
</tr>
<tr>
<td>4.</td>
<td>Press the <strong>Internet Connection Settings</strong> button to configure your connection settings. If a firewall is used at your site, enter the server proxy.</td>
</tr>
<tr>
<td>5.</td>
<td>Click <strong>OK</strong> to return to the Trial License dialog box.</td>
</tr>
</tbody>
</table>

The Internet Settings dialog box allows you to set your connection parameters. If the **Use Internet Explorer settings** radio button is selected, License Manager will attempt to make the connection using your default settings. If default detection is not successful, you can either choose the **Direct connection** radio button if you do not have a proxy or choose the **Use proxy server** radio button and specify the proxy name, port and password information.
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.</td>
<td>In the Trial License dialog box, press the <strong>Test Connection</strong> button to review the status of your connection. This opens the Server Connection Tester dialog box.</td>
</tr>
<tr>
<td></td>
<td>The status of the connection displays in the right-hand panel. For a trial license, it will report that there are no licenses available until you request a trial license. If the server requires a password, it must be entered into the corresponding text box in this dialog box.</td>
</tr>
<tr>
<td>7.</td>
<td>To alter your proxy settings from this dialog box, press the <strong>Internet Connection Settings</strong> button. For more information, see Step #4.</td>
</tr>
<tr>
<td>8.</td>
<td>Once the settings are reconfigured, press the <strong>Connect</strong> button to test the connection using the new settings. Click <strong>Close</strong> to return to the Trial License dialog box.</td>
</tr>
<tr>
<td>9.</td>
<td>Back in the Trial License dialog box, press the <strong>Apply</strong> button to execute the dynamic license configuration.</td>
</tr>
<tr>
<td>10.</td>
<td>Once you have configured the <strong>Trial License</strong> dialog box parameters, to set all Vector applications to Trial License, press the <strong>Set For All Applications</strong> button. Once you do this, when you close this dialog box, the <strong>Applications</strong> tab now shows Trial License for all applications. <strong>Note:</strong> When you set Trial Licenses for all applications, this operation only applies for those applications for which you do not have a Static License.</td>
</tr>
</tbody>
</table>

**IMPORTANT:**

Trial licenses are served from InforMax. To receive your trial license, send the Hardware ID from the **Trial License** dialog box to trial@informaxinc.com with your personal information. You will generally receive a prompt reply, usually within one business day. Once you have received the reply, testing the connection (see following section) will show that licenses are available.

**Dynamic License from a DLS Server**

To configure a Dynamic License for Vector NTI Advance 9, see the *Installation and Licensing Guide for Vector DLS 2.0* available on the support page of the InforMax web site.
Transferring Vector NTI Advance to a New Computer (PC to PC)

Vector NTI and the Hardware ID

Hardware IDs and registered license numbers are closely linked in Vector NTI. Note the following:

- When a new operating system is installed on a computer, the hardware ID of the computer may change, rendering the license number inactive.
- If VNTI is to be moved to a different computer, the old license number will not recognize the hard drive of the new system.

In these cases, if you have a static license, you must get a new license from your InforMax sales representative. For the dynamically licensed VNTI Suite, obtaining a new license is not necessary. However, your DLS administrator may need to configure a new client seat for you.

Performing Backups

Before converting to a new OS or a new computer, perform the backups described below:

Saving Vector NTI Database Molecules

To backup Vector NTI database molecules, perform the following steps:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Create a new folder on a network drive or Zip drive, etc. that can be accessed from the new computer or from the old computer after the operating system upgrade is completed.</td>
</tr>
</tbody>
</table>
| 2.   | On the old system, open the VNTI Database Explorer and choose Database > Database Backup...  
  **Note:** Close all Vector NTI applications (including the main Vector NTI window, for versions 6.0 and higher) except Database Explorer when doing this. |
| 3.   | Select the destination for the backup in the folder that you created for the backup. The backup will contain all molecules from the Vector NTI Database, including those that were created by the user. Custom settings are NOT saved during database backup, however. To save custom settings, see the next section. |

**IMPORTANT:**

Vector NTI Database Backups are NOT cross-platform compatible (i.e. the Vector NTI Database on a PC cannot be restored using a VNTI Database Backup made from Vector NTI on a Macintosh, and vice versa. If you want to move the VNTI Database from PC to Macintosh (or vice versa), you must do so using VNTI Archive files.
Saving Vector NTI Custom Settings

The following files contain user-customized settings and custom-created tools in Vector NTI. To save them, these files should be copied from the VNTI Suite folder on the old system to the same relative location in the VNTI Suite folder on the new system.

<table>
<thead>
<tr>
<th>File Name (PC)</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gelprof.ini</td>
<td>Contains customized settings for the gel analysis feature of VNTI</td>
</tr>
<tr>
<td>Molprof.ini</td>
<td>Contains customized settings for DNA/RNA molecules</td>
</tr>
<tr>
<td>Proprof.ini</td>
<td>Contains customized settings for protein molecules</td>
</tr>
</tbody>
</table>

Found on the hard drive in the main Vector NTI folder, VNTI Tools sub-folder:

<table>
<thead>
<tr>
<th>File Name (PC)</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Save entire Tools sub-folder</td>
<td>Contains customized settings and html templates for any modified or created tools</td>
</tr>
</tbody>
</table>

**NOTE:**

These files should be saved from Windows Explorer to a location that can be accessed by the new system, such as a floppy, zip or network drive.

Restoring Database and VNTI Settings

To restore the Vector NTI database and recover Vector NTI user profiles, perform the following steps:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>After backing up the database(s) and saving other appropriate files, install Vector NTI Advance on the new system or proceed with the OS update on the old system and then re-install VNTI Suite.</td>
</tr>
<tr>
<td>2.</td>
<td>Register the new VNTI Suite installation in License Manager using the new static license number or configure the dynamic license.</td>
</tr>
</tbody>
</table>
Step | Action
--- | ---
3. | Once VNTI Suite is licensed and in full functional mode, restore the Vector NTI database by choosing **Database > Database Restore** in Vector NTI Database Explorer.
   
   In the Restore Database dialog box, open the VNTI backup folder you created and click **OK**. This restores the objects from the backup file into the Vector NTI Database.
   
   **Note:** Close all Vector NTI applications except Vector NTI Database Explorer when you are doing Vector NTI Database Restore.

4. | To restore custom Vector NTI settings, copy the files that hold the custom VNTI settings (see above) into the appropriate folders in the new VNTI installation.

**WARNING:**

**Database Restore** **OVERWRITES** the existing database with the backup database.

---

### Opening Vector NTI Advance Applications

**How to open Vector NTI Advance Applications**

Open any of the Vector NTI Advance applications by selecting **Start > Programs > InforMax 2003 > Vector NTI Suite 9 > <application>**.

where you installed Vector NTI Advance.

---

**IMPORTANT:**

An active Static License is signaled by a green checkmark in the lower right corner of the application window. An active Trial or Dynamic License is signaled by a green, **blinking** checkmark. If you see a red (**blinking**) X in the lower right corner of the application window, the application is not licensed and is running in Demo mode (**see the Licensing section of this document, page 13**).

---

**NOTE:**

You can configure the software to open both the **Molecule Viewer** and **Vector NTI Explorer** when you select **Vector NTI** from the **Start** menu.

1. In the **Molecule Viewer** window, go to the **Edit** menu and select **Options**.

2. In the **General** tab of the dialog, select the **Open Local Explorer At Startup** checkbox.

3. Click **OK** to make the change.
IMPORTANT:

On a multi-user machine with all users accessing a single, common VNTI Database (e.g. each user does NOT have their own unique Database), VNTI Database population should be done while logged in as the Primary Installer (Administrator). On a single user machine or multi-user machine with unique Databases for each user, a particular user’s Database should be populated while logged on as that user.

NOTE:

If you initially choose not to populate the Vector NTI Database with sample molecules, you can populate the Database at a later time by importing the sample DNA Molecule, Protein, etc. archive files.

There are eight sample archive files, one for each of the data types in the Vector NTI Database. The sample archive files can be found in the VNTI Database folder on your hard drive and are named as follows: DBINIT.an8 (Analysis Archive), DBinit.ba6 (BLAST Search Archive), DBinit.ca6 (MedLine Archive), Dbinit.ea4 (Enzyme Archive), Dbinit.ga4 (Gel Marker Archive), Dbnit.ma4 (DNA/RNA Molecule Archive), Dbnit.oa4 (Oligo Archive) and Dbnit.pa4 (Protein Archive).

To import the sample archives, in the Vector NTI Database window, switch to the desired Database Table and choose Table > Import > <data type> from Archive… from the drop-down menu and select the corresponding archive file.

Contacting Technical Support

Contact Information

USA

Phone: 240-379-4240
877-357-3114 (Toll-free, U.S.)
E-mail: techsupport@informaxinc.com

Europe

Phone: +44 186 5784591
E-mail: techsupporteurope@informaxinc.com

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RESPONSIBLE AND LIABLE FOR VERIFYING THE ACCURACY AND ADEQUACY OF ANY OUTPUT FROM THE SOFTWARE, AND FOR ANY RELIANCE
THEREON.

16. **VERIFICATION.** InforMax shall have the right to periodically conduct on-site audits of your use of the Software. These audits will generally be conducted during
regular business hours, and InforMax will use its reasonable efforts not to interfere unduly with your regular business activities. InforMax may also require you to
accurately complete a self-audit questionnaire in a form InforMax may provide. If an audit reveals unauthorized use, you must promptly order sufficient licenses
and Authorized Scope to permit all usage disclosed. If material unlicensed use is found (i.e., license shortage of 5% or more), you also shall reimburse InforMax
for its costs incurred in connection with the verification.

17. **LEGAL COMPLIANCE; RESTRICTED RIGHTS.** Software is provided solely for lawful purposes and use. You shall be solely responsible for, and agree to comply with,
all applicable laws, statutes, ordinances, and other governmental authority, however designated. Without limiting the foregoing, you agree to comply with all U.S.
export laws and applicable export laws of your locality (if you are not in the United States), and shall not export any Software or other materials provided by
InforMax without first obtaining all required authorizations or licenses. Products acquired for use within or for any United States federal agency are provided with
“LIMITED RIGHTS” and “RESTRICTED RIGHTS” as defined in DFARS 252.227-7013 and FAR 52.227-19.

18. **GOVERNING LAW; SEVERABILITY.** This Agreement shall be governed in all respects by the laws of the State of California, USA, without regard to choice-of-law
rules or principles. Any dispute arising out of or related to this Agreement shall be resolved only in the state or federal courts having jurisdiction in California. If any
provision of this Agreement is held to be illegal or unenforceable for any reason, then such provision shall be deemed to be restated so as to be enforceable to the
maximum extent permissible under law; the remainder of this Agreement shall remain in full force and effect.

19. **GENERAL.** This Agreement, including any associated InforMax invoices (all of which are incorporated herein), are collectively the parties’ complete agreement
regarding its subject matter, superseding any prior oral or written communications. You understand and agree that, to the extent InforMax permits you to use a
non-InforMax purchase order or other form to order Software, InforMax does so solely for your convenience. Any terms in any such forms that purport to vary or
are in addition to any terms in this Agreement or in the applicable InforMax form covering your purchase shall be deemed to be void and of no effect. Amendments
or changes to this Agreement must be in mutually executed writings to be effective. Sections 1, 3–8, 10–19, and all warranty disclaimers and use restrictions shall
survive the termination or expiration of this Agreement. The parties are independent contractors for all purposes under this Agreement. Neither party shall be
liable for any delay or failure due to force majeure and other causes beyond its reasonable control; this provision shall not apply to any of your payment
obligations. Any notices under this Agreement to InforMax will be personally delivered or sent by certified or registered mail, return receipt requested, or by
nationally recognized overnight express courier, to the address specified herein or such other address as InforMax may specify in writing. Such notices will be
effective upon receipt, which may be shown by confirmation of delivery. All such notices shall be sent to the attention of General Manager (unless otherwise
specified by InforMax). You may not assign or otherwise transfer this Agreement without InforMax’s prior written consent; InforMax agrees to use its reasonable
efforts to notify you promptly in writing of any assignment by it of this Agreement. This Agreement shall be binding upon and inure to the benefit of the parties’
successors and permitted assigns. You agree, at InforMax’s request and reasonable expense, to provide reasonable assistance and cooperation to InforMax and
its designees, and to give testimony and execute documents and to take such further acts reasonably requested by the other to acquire, transfer, maintain,
perfect, and enforce InforMax’s intellectual property rights as described in this Agreement. To the extent you fail to do so, you appoint InforMax’s officers as your
attorney in fact to execute documents on your (and your personnel’s), successors’ and assigns’ behalf for this limited purpose.