



## **Cisco Active Network Abstraction Client Installation Guide, 3.5**

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Cisco ANA 3.5 is a limited release by Cisco Systems of the existing features and functions of the Sheer DNA 4.0.1 software.

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Nonemergencies — [psirt@cisco.com](mailto:psirt@cisco.com)

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1 877 228-7302

1 408 525-6532

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[http://www.cisco.com/en/US/products/products\\_security\\_vulnerability\\_policy.html](http://www.cisco.com/en/US/products/products_security_vulnerability_policy.html)

The link on this page has the current PGP key ID in use.

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## Submitting a Service Request

Using the online TAC Service Request Tool is the fastest way to open S3 and S4 service requests. (S3 and S4 service requests are those in which your network is minimally impaired or for which you require product information.) After you describe your situation, the TAC Service Request Tool provides recommended solutions. If your issue is not resolved using the recommended resources, your service request is assigned to a Cisco engineer. The TAC Service Request Tool is located at this URL:

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To open a service request by telephone, use one of the following numbers:

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- EMEA: +32 2 704 55 55
- USA: 1 800 553-2447

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- Severity 1 (S1)—Your network is “down,” or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.
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# 1 Introduction

Welcome to the *Cisco Active Network Abstraction Client Installation Guide*, 3.5. This manual will walk you through a typical Sheer Dynamic Network Abstraction (DNA) **Client** installation. This chapter describes the Sheer DNA Client application suite. In addition, it provides a brief explanation of the terms used in this guide.

Sheer DNA provides a suite of GUI tools that offer a simple, intuitive interface for managing the network and services and performing the required system administration activities. The Sheer DNA Client application suite consists of the following:

- **Sheer™ NetworkVision**, see below.
- **Sheer™ EventVision**, see *Section 1.2*.
- **Sheer™ DNA Manage**. For more information, refer to the *Cisco Active Network Abstraction Administrator's Guide*, 3.5.

## 1.1 Sheer™ NetworkVision

Sheer NetworkVision is the main GUI for Sheer applications. It provides complete visualization of the managed network and services and supports fault and configuration functionality.

It is also the launching point for all related tools such as the Sheer PathTracer, Sheer Command Builder and the Soft Properties Manager.

## 1.2 Sheer™ EventVision

Sheer EventVision is a GUI application, which serves as a browser for viewing and retrieving detailed information about the different types of system events and tickets that are generated within the Sheer DNA system. Monitoring Sheer EventVision helps predict and identify the sources of system problems, which in turn assists in preventing future problems.

## 1.3 Basic Concepts and Terms

The following terminology is used throughout this Installation Guide.

### **Sheer DNA Gateway**

The Sheer DNA Gateway performs the following functions:

- Serves as a gateway between OSS/BSS applications and the fabric of Sheer DNA Units.

- Implements a per-client adapter.
- Controls client access according to the set security rules.
- Maps the network to the business logic provided by the client application.
- Maintains a repository for keeping system settings, snapshots of active alarms and topological data.

### **Sheer DNA Unit**

The Sheer DNA Unit is a key element of Sheer DNA system. Sheer DNA Units are networked together to create a modular, scalable, high-performance, distributed network knowledge engine for discovery, assurance and activation. Multiple Sheer DNA Units cover the entire network as a single complete entity.

### **Sheer DNA Client**

The Sheer DNA Client Suite includes GUI-based tools providing total visibility for multi-vendor, multi-layer, multi-technology broadband networks.

## 2 System Requirements

### 2.1 Sheer DNA Client

The hardware and software installation requirements are provided below.

Item	Specifications
<b>Hardware Requirements (minimum)</b>	
IBM or PC compatible work station	<ul style="list-style-type: none"> <li>• Pentium IV, 2.66 MHz Processor or better</li> <li>• 1 GB RAM</li> <li>• 2 GB of free disk space</li> <li>• DVD Drive</li> </ul>
Screen	<ul style="list-style-type: none"> <li>• Minimum screen resolution of 1024 x 768 pixels</li> <li>• True Color (32 bit) setting</li> </ul>
<b>Software Requirements</b>	
Operating System	<ul style="list-style-type: none"> <li>• Windows® 2000 or Windows® XP</li> </ul>
<b>Internet Connection (minimum)</b>	
	<ul style="list-style-type: none"> <li>• A fast internet connection with a minimum bandwidth of 1.5 Mb.</li> </ul>

### 2.2 Communications

The DNA Clients communicates with the DNA Gateway only; therefore, IP connectivity between DNA Clients and the DNA Gateway should be in place.

The DNA Clients support automatic client updates from the Sheer DNA Gateway and depending on the upgrade the data may be up to 30 MB.

For further information regarding the ports used, refer to the *Cisco Active Network Abstraction Administrator's Guide, 3.5*.



### 3 Before Installing the Client

The installation DVD covers the installation of all the DNA Client components:

DVD Title	Description
Web Start DNA Clients	<ul style="list-style-type: none"><li>• Sheer DNA Manage</li><li>• Sheer NetworkVision</li><li>• Sheer EventVision</li><li>• Java Runtime Environment v1.4</li></ul>

Before starting the installation procedure verify the following:

- The installation DVD as described above is available.
- There is IP connectivity between the DNA Gateway Server and the Client station that you are about to install.



## 4 Installing the Sheer Client

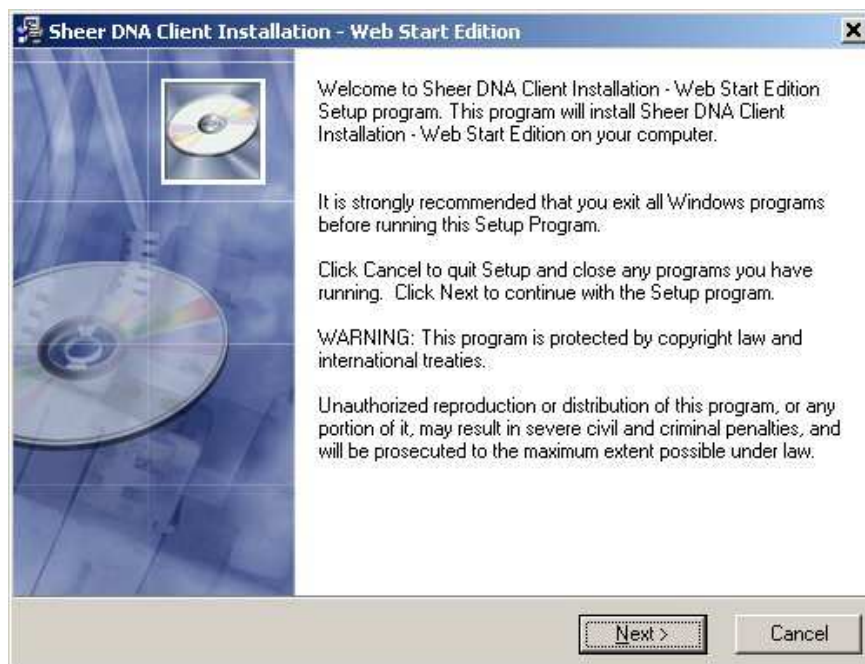
This chapter covers the installation of a single Sheer DNA Client station, as well as an Uninstall section.

### 4.1 Using the Sheer DNA Client Installation Wizard

The Sheer DNA Client Installation Wizard guides you step-by-step through the Sheer DNA Client installation process.

#### To install the Sheer Client

1. Insert the DVD (Web Start DNA Clients) into the DVD drive. The Sheer DNA Client Installation Wizard is launched automatically and the *Welcome* window is displayed.



In case the Sheer DNA Client Installation Wizard is not launched automatically, browse to the DVD directory and launch the `sheer_webstart.exe` executable.

**Note:** Click **Cancel** at any time to stop the setup process.

2. Click **Next**. The *License Agreement* window is displayed.
3. Review the license agreement.

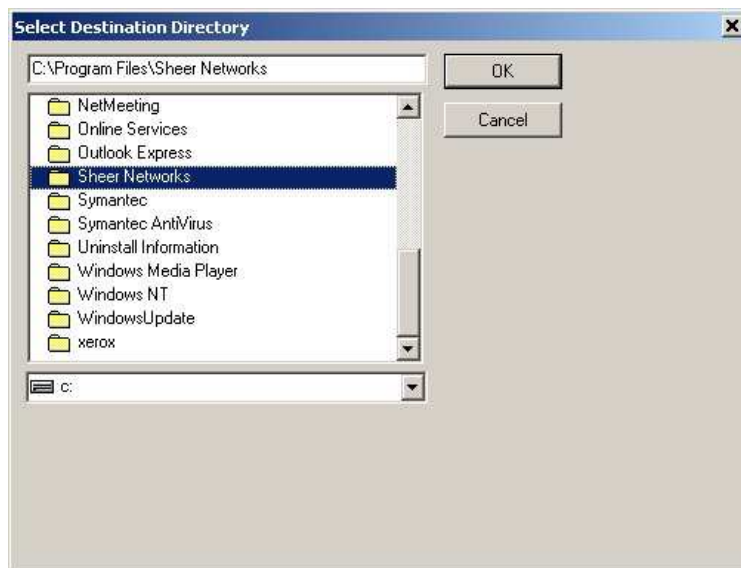
4. Click **Next** to accept the license agreement. The *Destination Location* window is displayed.



**Note:** The default installation location is:  
C:\Program Files\Sheer Networks

**IMPORTANT NOTE:** If you require Cisco Active Network Abstraction Version 3.5 installed on the same machine as earlier versions of Sheer DNA, be sure you change the installation path to a different **Destination Folder**.

5. If you want to change the default installation location, click **Browse** and choose the preferred installation directory.

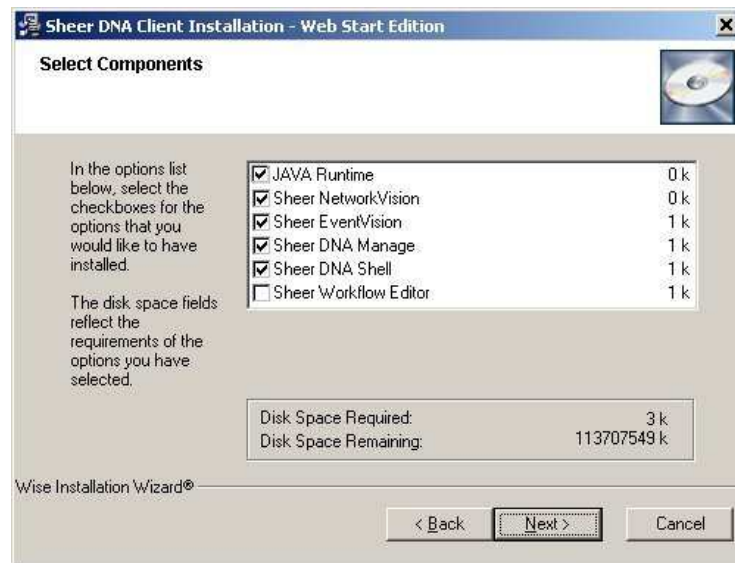


Click **OK** after choosing the required directory or click **Cancel** to return to the default installation location.

**IMPORTANT NOTE:** If you have an “older” version of Sheer DNA (Below Version 4.0) installed on the same machine, be sure to change the installation path to a different **Destination Folder**.

- Click **Next** to accept the installation directory location.

The *Select Components* window is displayed:



**Note:** Be sure you select the **JAVA Runtime** option.

This window provides the user with the possibility to:

- Overwrite any older or existing version of Java™ installed by Sheer Networks. Installs a new version of Java™.
- Install Sheer NetworkVision and Sheer EventVision (users).
- Install the Sheer Management Tools, namely, Sheer DNA Manage, and Sheer DNA Shell.

**IMPORTANT NOTE:** Be sure you select the JAVA Runtime option.

- Select one or more of the options according to your preference, and click **Next**.

The *Select Program Manager Group* window is displayed.

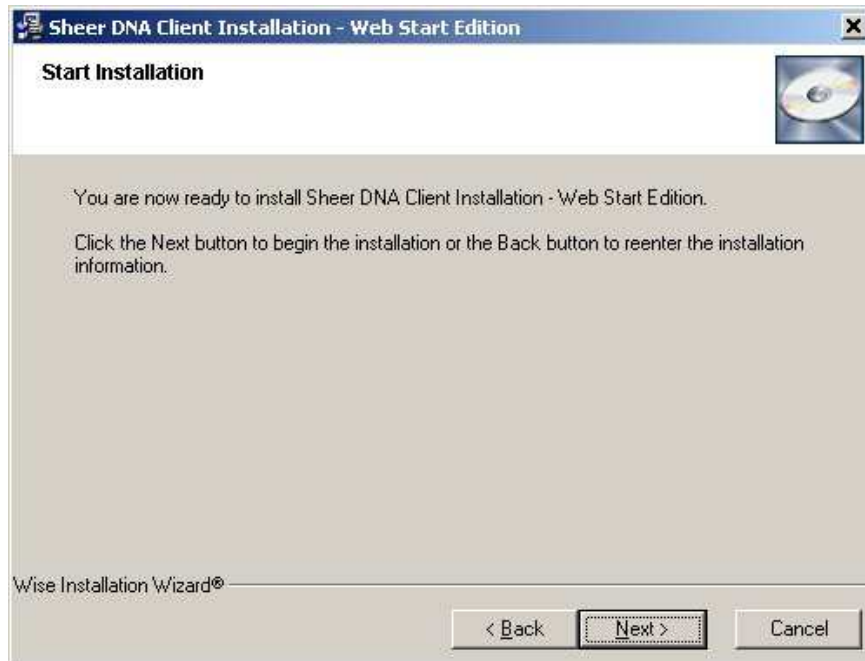


**Note:** The default Program Manager Group is: Sheer DNA. If you have an “older” version of Sheer DNA (Below Version 4.0) installed on the same machine, be sure to change the Program Manager Group to a different Program Manager Group.

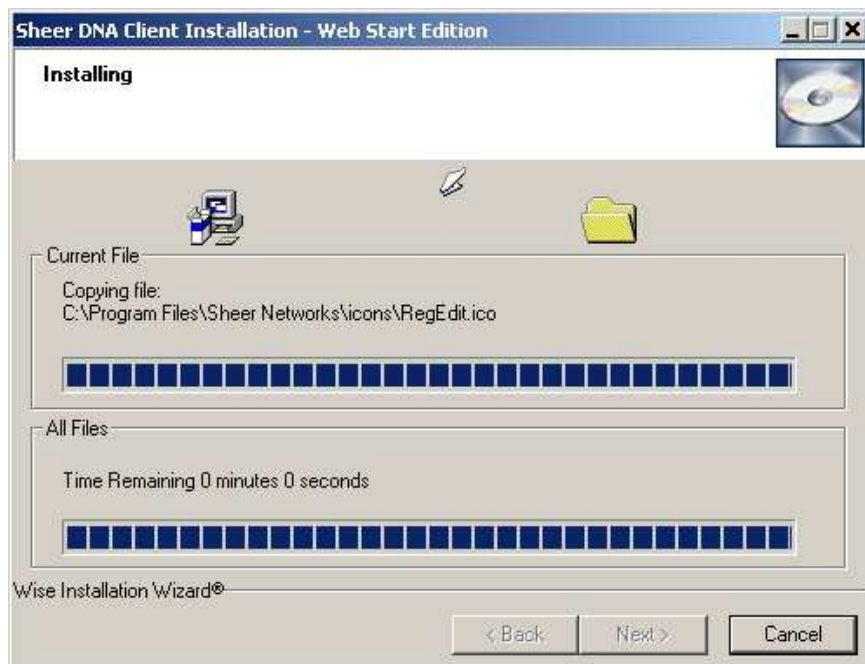
To change the default Program Manager Group type in the preference.

**IMPORTANT NOTE:** If you install more than one version of Cisco Active Network Abstraction and Sheer DNA components on the same machine, be sure to define a different Program Manager Group.

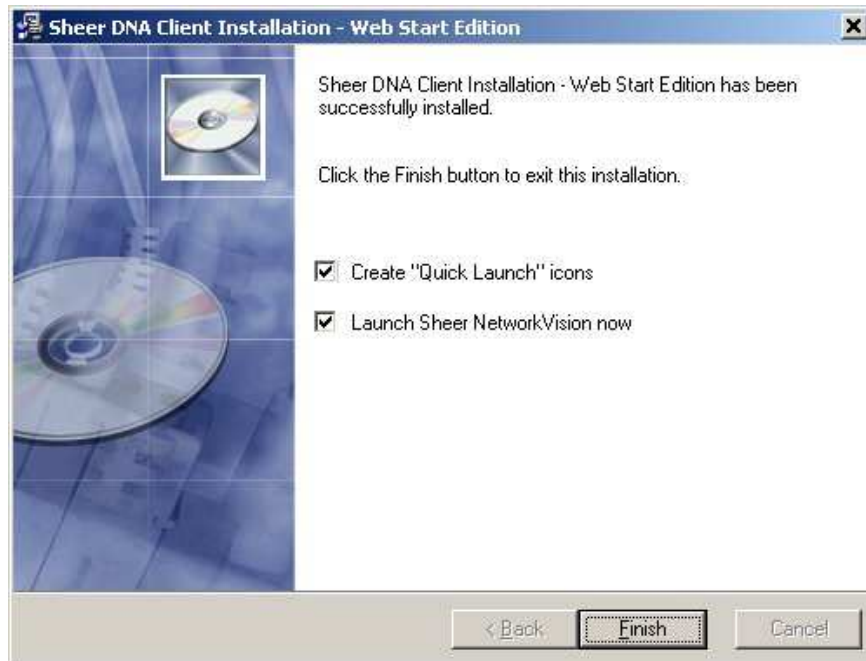
8. Click **Next**. The *Start Installation* window is displayed:




9. Click **Next** to start the installation. The *Installing* window is displayed:



10. When the installation is complete, the final window of the installation is displayed:



This window provides the user with the following possibilities:

- Create a “Quick Launch” icon  for NetworkVision and  application on the Quick Launch toolbar.
- Immediately launch the NetworkVision application.

Select none, one or more of the possibilities according to your preference.

11. Click **Finish** to end the installation application.

## 4.2 What’s Next?

Once you have completed the Client installation, proceed by completing the deployment of the Sheer DNA using Sheer DNA Manage. For detailed information, refer to the *Cisco Active Network Abstraction Administrator’s Guide 3.5*.

## 4.3 Starting the Client

For detailed information about starting and working with Sheer DNA Manage, refer to the *Cisco Active Network Abstraction Administrator's Guide, 3.5*.

For detailed information about starting and working with NetworkVision and EventVision, refer to the *Cisco Active Network Abstraction NetworkVision User's Guide, 3.5* and *Cisco Active Network Abstraction EventVision User's Guide, 3.5*.

## 4.4 Upgrading your Current System

The Sheer Clients support automatic client updates from the Sheer DNA Gateway. When connecting with a Sheer DNA Gateway, the system verifies that the client version is the latest available and if an upgrade is required, the system automatically updates the Sheer Clients from the Sheer DNA Gateway.

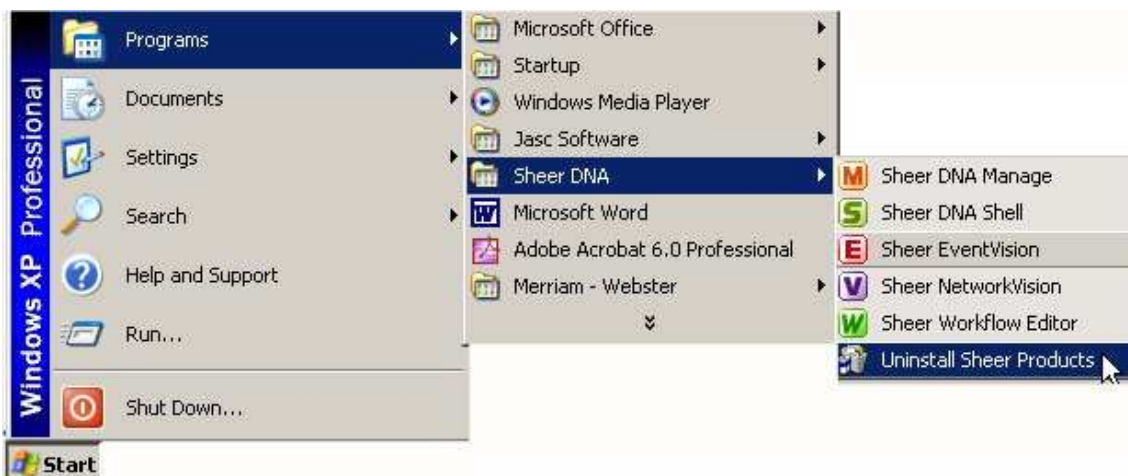
**Note:** This process may take several minutes.

There is no need to upgrade the Sheer Clients manually unless there is a major version change.

## 4.5 Uninstalling Sheer DNA Client

You can uninstall all or selected Sheer DNA Client applications, including changing registry keys as required.

To uninstall individual application components, you make your selections in various wizard windows accessed from the Start menu's **Sheer DNA** sub-menu's **Uninstall Sheer Product** option:



You can also start the uninstall process using the UNWISE.EXE available in the install folder.

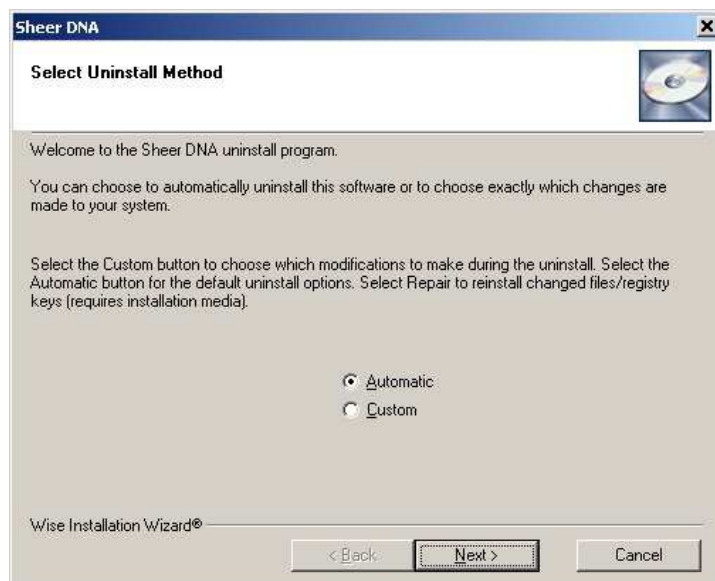
When you conduct a **Custom** uninstall, you can select to remove or change the following:

- “Private” files (license, and other program files)
- Directories
- Remove or retain Registry Database keys
- Change other registry keys

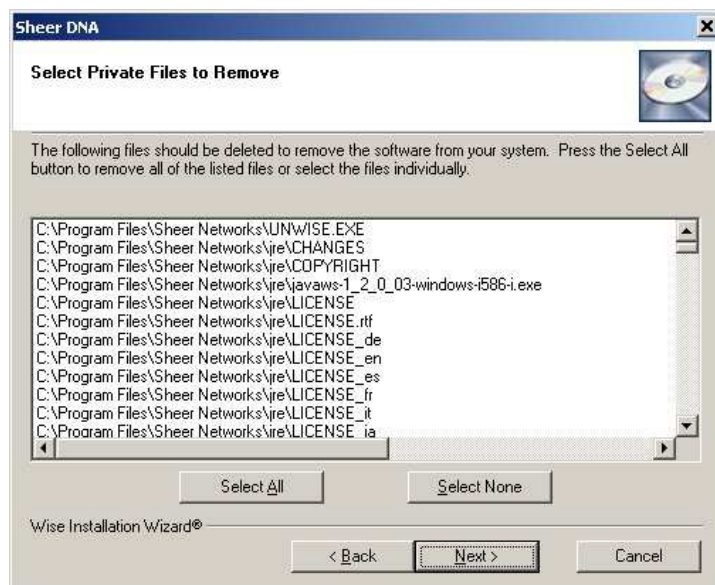
### To uninstall the Sheer Client

1. Select the Uninstall Sheer Products option on the Start menu’s **Sheer DNA** sub-menu’s **Uninstall Sheer Product** option,  
or

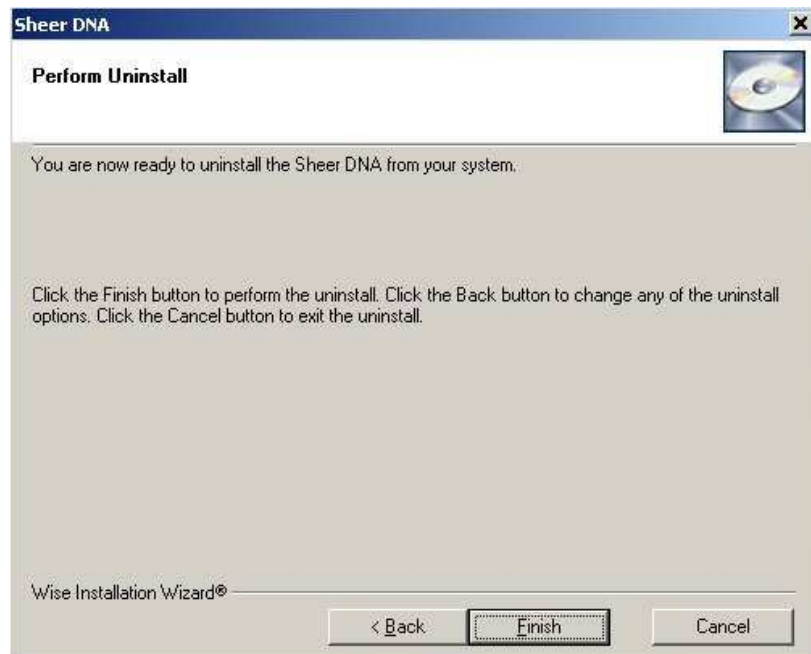
Double-click the **UNWISE.EXE** available in the Sheer installation folder. The *Sheer Uninstall Method* window is displayed with the **Automatic** uninstall option selected by default.



2. To uninstall all Sheer DNA client applications, accept the default by clicking **Next**. The remove “private” files window is displayed. (You may uninstall individual Sheer DNA applications, and remove or change registry keys, however, this is not recommended.)

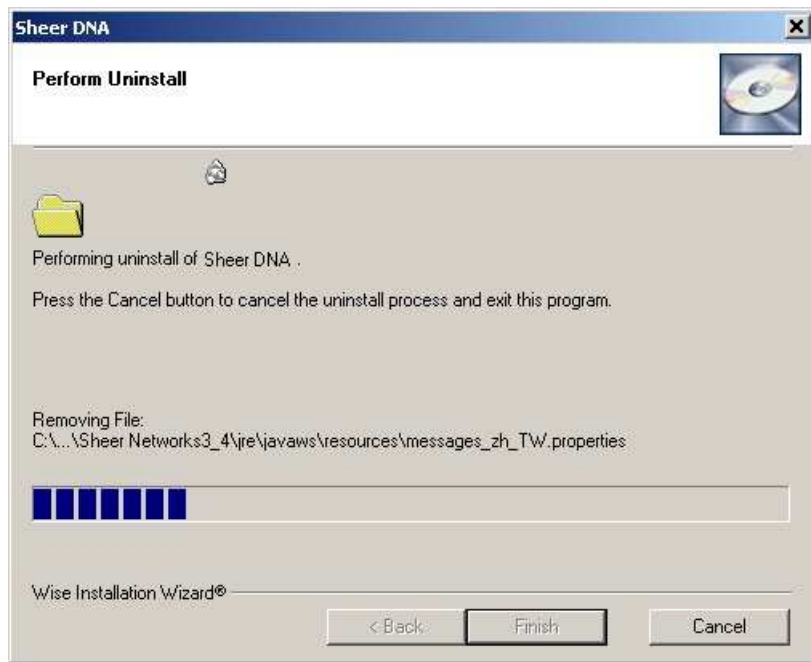


3. To remove all “private” files, click **Select All** then click **Next**. The Perform Uninstall window is displayed.



4. To uninstall all selected files and directories, click **Finish**.

The *Perform Uninstall* window is displayed and the progress bar reflects the status of files being uninstalled.



**Note: By clicking Cancel at any time, the uninstall process will stop, requiring a new install. Some stranded files may remain on your computer.**