



# Getting Started Guide

NETinventory<sup>®</sup>





# **NETinventory<sup>®</sup> v8.00**

## *Getting Started Guide*



## **COPYRIGHT**

Copyright © 1999, 2000, 2001, 2002, 2003, 2004 BindView Corporation. All rights reserved. BindView Corporation is a business name of BindView Development Corporation. Information in this document is subject to change and revision without notice. The software described herein may only be used and copied as outlined in the Software License Agreement. No part of this manual may be reproduced by any means, electronic or mechanical, for any purpose other than the purchaser's personal use, without prior written permission from BindView Corporation.

BINDVIEW CORPORATION PROVIDES THIS DOCUMENTATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL BINDVIEW CORPORATION BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE OR DATA, INTERRUPTION OF BUSINESS, OR FOR DAMAGES OF ANY KIND, EVEN IF BINDVIEW CORPORATION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES ARISING FROM ANY DEFECT OR ERROR IN THIS DOCUMENTATION.

BindView Corporation may revise this publication from time to time without notice. Because some jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply. BindView Corporation's liability for actual damages from any cause whatsoever, and regardless of the form of the action (whether in contract, tort (including negligence), product liability or otherwise) will be limited to \$50.00 U.S.

## **TRADEMARK NOTES**

BindView, the BindView logo, and the BindView product names used in this document are trademarks of BindView Corporation and may be registered in one or more jurisdictions.

Proxy is a trademark of Funk Software, Inc. The names of products of other companies mentioned in this document, if any, may be the registered or unregistered trademarks of the owners of the products.

**July 2004**

### **THIRD-PARTY COPYRIGHTS**

This product includes software developed and copyrighted by the following persons or groups:

Some portions of the text are copyrighted by Funk Software, Inc.  
© 2003 Funk Software, Inc.

---

# Contents

<b>Information Resources</b> .....	<b>9</b>
About BindView Corporation .....	10
Online Documents .....	10
Using PDF Files .....	10
User Guides .....	10
Release Notes .....	11
Online Help .....	11
Typestyle Conventions .....	11
Alert Statements .....	11
Contacting BindView .....	12
<b>1 Installing NETInventory</b> .....	<b>13</b>
Overview .....	14
System Requirements .....	14
NETInventory Console Workstation Requirements .....	14
BindView RMS Console Requirements .....	14
NETInventory Server Requirements .....	15
About NETInventory Console Setup Types .....	16
NETInventory Installation .....	17
<b>2 NETInventory Setup</b> .....	<b>27</b>
Overview .....	28
Running the NETInventory Console .....	28
NETInventory Server Components .....	28
Server Types .....	29
Audit Agents and Windows NT Servers .....	32
Using Existing Reporting Items .....	33
<b>3 Configuring the NETInventory Snap-in for the BindView RMS Console</b> .....	<b>35</b>
Overview .....	36
Configuring SQL Rollup .....	36
Using the NETInventory-RMS Snap-in .....	39
Using Existing Reporting Items .....	41
<b>4 NETrc Setup</b> .....	<b>43</b>
Overview .....	44
Configuring NETrc .....	44

Assigning Licenses . . . . . 44  
Choosing a Default Profile . . . . . 46  
Using NETrc . . . . . 47  
**Index . . . . . 51**



---

# Information Resources

---

## In This Chapter

About BindView Corporation .....	10
Online Documents .....	10
Typestyle Conventions .....	11
Alert Statements .....	11
Contacting BindView .....	12

---

---

## About BindView Corporation

BindView Corporation is a leading provider of proactive business policy, IT security and directory management software worldwide. BindView solutions and services enable customers to centralize and automate policy compliance, vulnerability management, directory administration and migration across the entire organization. With BindView insight at work™, customers benefit from reduced risk and improved operational efficiencies with a verifiable return on investment. More than 20 million licenses have shipped to 5,000 companies worldwide, spanning all major business segments and the public sector.

---

## Online Documents

Documentation is provided in the following electronic formats on the BindView product CD:

- Adobe® Acrobat® PDF files
- HTML Release Notes files
- Online help

---

## Using PDF Files

With Adobe Acrobat PDF files, you can navigate through a document quickly and perform full-text searches. In addition, the PDF files can be viewed online, distributed to multiple users electronically, or printed.

You must have Adobe® Reader® installed to read the PDF files.

To view PDF files, double-click PDF files to open them, and then move through the document by clicking topic headings in the left pane or **green** hypertext links in the text. To print copies, click **Print** from the **File** menu.

---

## Installing Adobe Reader

Adobe Reader installation programs for common operating systems are available for a free download from the Adobe Web site at [www.adobe.com](http://www.adobe.com).

---

## User Guides

The Docs directory on the BindView product CD contains copies of the user guides and other documentation in the PDF format.

The *NETinventory User Guide* contains information about NETinventory v8.00 and about the BindView RMS Console and Information Server v8.00. If you upgrade the BindView RMS Console and Information Server, the *BindView RMS Console and Information Server User Guide* included with the update will contain information about the new version of the Console.

---

**Release Notes**

If the autorun function is enabled, a Readme HTML file for your BindView product is accessible under the Documentation menu of the BindView setup menu when you insert your CD. You also can select to view this file after the installation is completed, or by browsing to the Release Notes directory in the root directory for your program:

C:\Program Files\BindView\RMS\Release Notes

---

**Online Help**

Comprehensive help is available from the Help menu on the BindView RMS Console and the BindView RMS Web Console. Additionally, you can access help by clicking the **Help** button in any dialog, by right-clicking an item and selecting **Help** from the action menu, or by pressing **F1** in any dialog.

---

**Typestyle Conventions**

The following conventions are observed throughout this guide:

- **Bold** text is used to designate file and folder names, dialog titles, names of buttons, icons, and menus, and terms that are objects of a user selection.
- *Italic* text is used for word emphasis, defined terms, and manual titles.
- Monospace text (*Courier*) is used to show literal text as you would enter it, or as it would appear onscreen.

---

**Alert Statements**

The alerting statements are Notes, Cautions, and Warnings. These statements are formatted in the following style:

---

**Note:** Information that is incidental to the main text flow, or to an important point or tip provided in addition to the previous statement or instruction.

---

---

**Caution:** Advises of machine or data error that could occur should the user fail to take or avoid a specified action.

---

---

**Warning:** Requires immediate action by the user to prevent actual loss of data or where an action is irreversible, or when physical damage to the machine or devices is possible.

---

---

## Contacting BindView

BindView has sales and support offices around the world. For information on contacting BindView, please refer to the information below or to the BindView Web site: [www.bindview.com](http://www.bindview.com)

For Technical Support: [www.bindview.com/support](http://www.bindview.com/support)

Technical Support is available Monday through Friday from 7:00 a.m. to 7:00 p.m. Central Time. Normal working hours for all other departments are 9:00 a.m. to 6:00 p.m.

---

### Phone

Sales and Customer Service	U.S. and Canada	800-813-5869
	Outside N. America	713-561-4000
Technical Support	U.S. and Canada	800-813-5867
	Outside N. America	713-561-4000
Training/Professional Service	U.S. and Canada	800-749-8439
	Outside N. America	713-561-4000

---

### Fax

All Areas 713-561-1000

---

### E-mail

Sales	<a href="mailto:sales@bindview.com">sales@bindview.com</a>
Training	<a href="mailto:edu@bindview.com">edu@bindview.com</a>
Documentation	<a href="mailto:docs@bindview.com">docs@bindview.com</a>

---

### Other

FTP Site	<a href="ftp://ftp.bindview.com">ftp://ftp.bindview.com</a>
Internet	<a href="http://www.bindview.com">www.bindview.com</a>
Postal Mail	BindView 5151 San Felipe, Suite 2500 Houston, TX 77056

---

---

# 1

# Installing NETinventory

---

## In This Chapter

Overview .....	14
System Requirements .....	14
NETinventory Installation.....	17

---

---

## Overview

NETInventory audits and manages information about PC workstations on LANs with Windows NT®, Windows® 2000, Windows Server™ 2003, and NetWare® servers.

This chapter guides you through installing the NETInventory Console and the NETInventory and NETrc snap-in modules on your local or network drive.

---

## System Requirements

This section describes the system requirements for the NETInventory Console, NETInventory, NETrc, the BindView RMS® Console and Information Server, and the NETInventory-RMS Snap-in.

---

### NETInventory Console Workstation Requirements

To run NETInventory, machines with the NETInventory Console installed must meet the following minimum requirements:

- Microsoft Windows NT® 4.0 SP6a (Server or Workstation), Windows® 2000 (Server or Professional), Windows XP® Professional, or Windows Server™ 2003.
- Internet Explorer 5.5 or later
- Novell Client™ 4.8.3 SP1 or later (only required if there are NetWare Audit Servers)
- Client for Microsoft Networks

---

### BindView RMS Console Requirements

If you wish to use the optional NETInventory Snap-in for the BindView RMS Console, your machine must meet the following minimum requirements:

#### RMS Console

- Pentium® II 450 MHz, 256 MB RAM
- Windows 2000 SP2 (Server or Professional), Windows XP Professional, or Windows Server 2003
- 300 MB of free disk space
- SVGA monitor that supports 256 colors with the display set to 800 x 600 pixels
- Microsoft® Outlook® 2000, Novell® GroupWise® v5.5, Lotus Notes® v5.0 or Lotus Domino (only required for e-mail exporting)
- Microsoft Excel (required for Excel (using OLE) export files)
- Microsoft Internet Explorer 5.5 or later
- Client for Microsoft Networks

**RMS Information Server**

- Pentium III 600 MHz, 512 MB RAM
- Windows 2000 SP2 (Server or Professional), Windows XP Professional, or Windows Server 2003
- 500 MB of free disk space
- Microsoft Outlook 2000, Novell GroupWise v5.5, Lotus Notes v5.0 or Lotus Domino (only required for e-mail exporting)
- Microsoft Excel (required for Excel (using OLE) export files)
- Microsoft Internet Explorer 5.5 or later
- Microsoft SQL Server™ (v7.0 or 2000) or Microsoft SQL Server Desktop Engine (MSDE) (v1.0 or 2000)
- Client for Microsoft Networks

---

**NETInventory Server Requirements**

To collect NETInventory data from the machines on your network, you must install and configure at least one NETInventory server on a Windows NT Server, Windows 2000, Windows XP, or Windows Server 2003 machine. The machine will host a combined Master, Audit, and Login server. If you choose, you can create additional Audit and Login servers. More detailed information on this topic is included in [Chapter 2, "NETInventory Setup"](#) of this *Getting Started Guide* and in the *NETInventory User Guide*. The machine you choose to host the *NETInventory* servers must meet the following minimum requirements:

- Pentium II 300 MHz, 128 MB RAM
- 285 MB of free disk space (Microsoft Windows NT 4.0); 235 MB of free disk space (Windows 2000, Windows XP, or Windows Server 2003)
- SVGA monitor that supports 256 or more colors with the display set to 800 x 600 or more pixels
- Microsoft Windows NT 4.0 SP6a Server or Windows 2000 (Server or Professional), Windows XP (Professional), or Windows Server 2003 installed
- Internet Explorer 5.5 or later
- MDAC 2.6 or later is required on the server that will host the NETInventory SQL Server for SQL rollup
- Novell Client 4.8.3 SP1 or later (only required if there are NetWare Audit Servers)

If you will be using the NETInventory Snap-in for the BindView RMS Console, you will roll up NETInventory to a Microsoft SQL Server™ database. The machine that hosts the SQL database must have Microsoft SQL Server (7.0 or later) or Microsoft SQL Server Desktop Engine (MSDE) (1.0 or 2000). The machine hosting the Microsoft SQL Server can be the Master Server or any other server.

MSDE data storage is suitable for networks with up to 10,000 nodes. If you have more nodes, you should use Microsoft SQL Server to store the NETInventory SQL Database. In addition, if you will have more than 4 clients (BindView Information Servers or SQL Clients) accessing the NETInventory data, you should use Microsoft SQL Server.

### **NETInventory Client Software Requirements**

Nodes on your enterprise network are normally audited by NETInventory when they run the NETInventory Audit Agent, which is normally stored on a server designated as a Login Server. Therefore, nodes must have network client software installed. The client software needed depends on the operating system used by the client and on what type of NETInventory Audit and Login Server the nodes will communicate with.

The NETInventory Audit Agent supports clients running DOS versions 6.2 and later; Windows 3.1 and 3.11; Windows 95; Windows 98; Windows Me®; Windows NT 3.51 and 4.0; Windows 2000; Windows XP; and Windows Server 2003.

- TCP/IP or IPX/SPX protocol
- Microsoft *or* Novell client software

You can use the Novell Client 32 on all client platforms. On Windows 95, Windows 98, Windows NT 4.0, Windows 2000, Windows Me, Windows XP, and Windows Server 2003 clients, you can use Microsoft's Requester software.

The machine the NETInventory Console runs on while installing and managing the NETInventory server software must use Windows NT 4.0 with Service Pack 6a, Windows 2000, Windows XP, or Windows Server 2003.

---

### **About NETInventory Console Setup Types**

The NETInventory Console can be installed in two ways:

- Program and shared files installed locally.
- Program files installed locally, shared files on a network drive.

Each setup type has advantages and disadvantages, and your choice depends on your needs. If you aren't sure which one to pick, you can change to a different type later by removing and reinstalling.

#### **Local Setup**

The Local setup type hosts all of the BindView files on your local hard drive, and is the fastest installation. The local installation makes it more difficult to share queries you have created with other users. In addition, the local installation requires the most free space on your local hard drive.

#### **Combination Setup**

The Combination setup type stores files on the network and the local machine. Like the Local Setup Type, the BindView application files are stored on the local hard drive for speed. Certain shared databases are stored on a network volume. This makes the Combination setup somewhat slower than the Local setup, but it is easier to share queries among multiple users.



### Choosing the Setup Type to Use

If you are the only user of the NETInventory Console, and if you will only be using the NETInventory Console from a single computer, you should perform a Local setup. If more than one user will use the NETInventory Console, or if you will use the NETInventory Console from more than one computer, you should choose the Combination setup type.

## NETInventory Installation

NETInventory is shipped on a CD-ROM.

You must install the NETInventory Console. If you choose, you can also install the NETInventory Snap-in for the BindView RMS Console.

### ► To start the NETInventory install programs

- 1 Insert the NETInventory CD-ROM into your CD-ROM drive.
- 2 If you have your computer set to automatically run inserted CDs, the NETInventory Install panel starts. If it does not, choose Start>Run and type the letter of your CD-ROM drive and `SETUP.EXE`, then click **OK** or press **Enter**. The Install panel appears.



**Fig. 1** NETInventory Install Panel

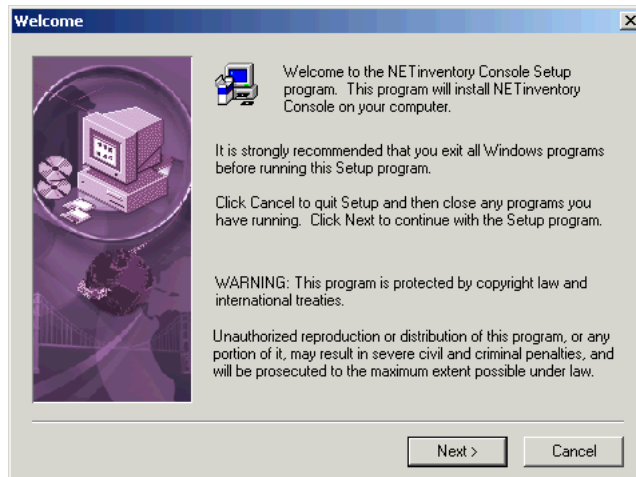
- 3 Click **Install**. The **Select a Component** panel appears.



**Fig. 2** NETInventory Install Panel - Select a Component Panel

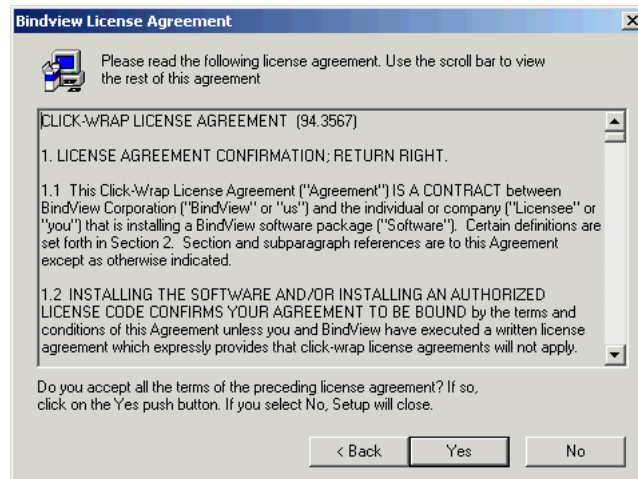
► **To install the NETInventory Console**

- 1 Click **NETInventory Console** to start the NETInventory Console installer. The **Welcome** panel appears. Click **Next**.



**Fig. 3** NETInventory Installer - Welcome Panel

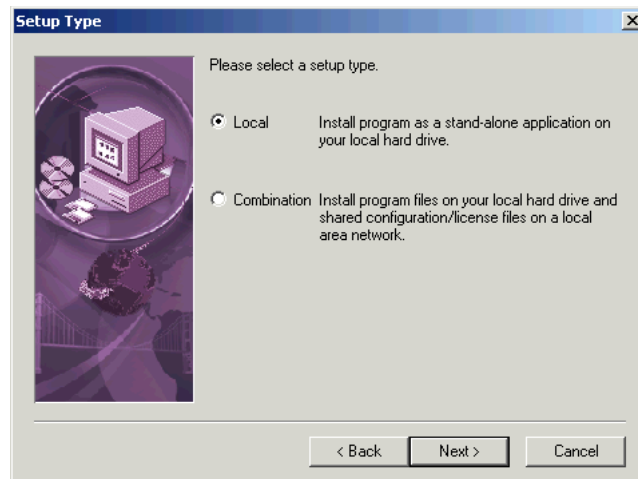
- 2 The **BindView License Agreement** panel appears.



**Fig. 4** NETInventory Installer - BindView License Agreement Panel

- 3 Read the License Agreement and click **Yes** to accept the terms of the agreement.

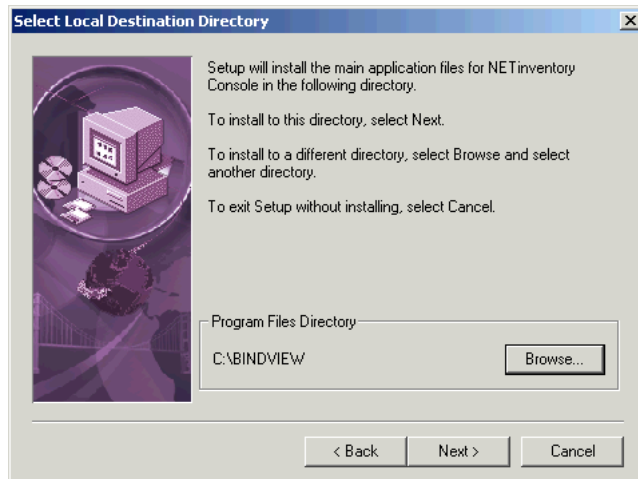
The **Setup Type** panel appears.



**Fig. 5** NETInventory Installer - Setup Type Panel

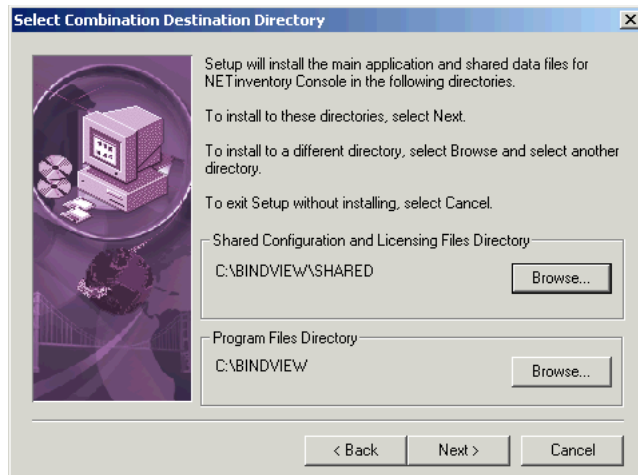
- 4 In the **Setup Type** panel, select the appropriate setup type and click **Next**.

The appropriate **Select Destination Directory** panel appears.



**Fig. 6** NETinventory Installer - Select Local Destination Directory Panel (for Local Install)

Or



**Fig. 7** NETinventory Installer - Select Combination Destination Directory Panel (for Combination Install)

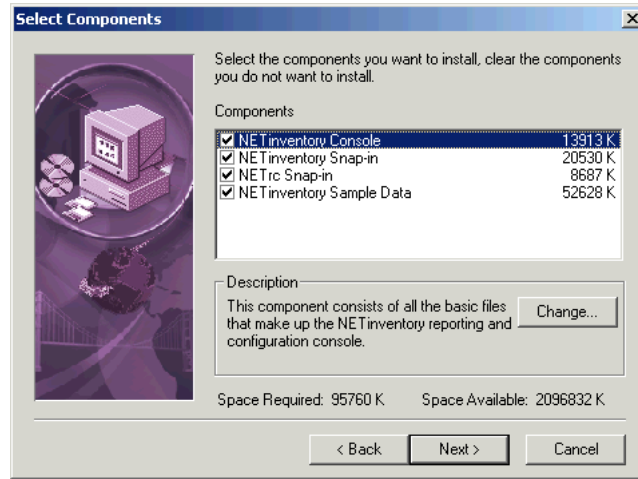
- 5 In the **Select Destination Directory** panel click **Browse** to select directories for the program and shared files, or leave the default installation location selected.

---

**Note:** You should normally use the default installation location.

---

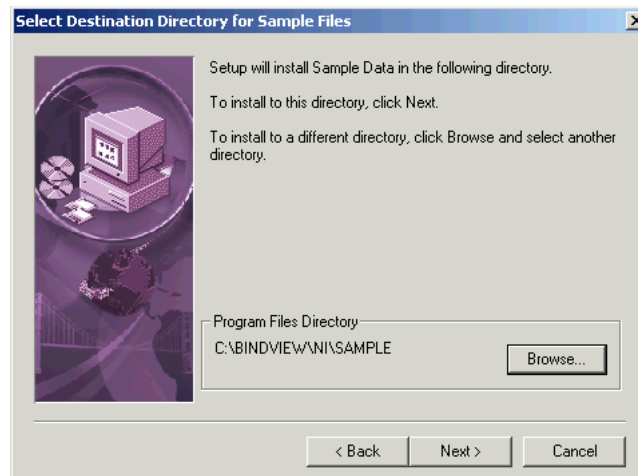
Click **Next**. The Setup Wizard's **Select Components** panel appears.



**Fig. 8** NETInventory Installer - Select Components Panel

- 6 Select the components to install. Click **Next**.

If you chose to install the NETInventory sample data, the **Select Destination Directory for Sample Files** panel appears.

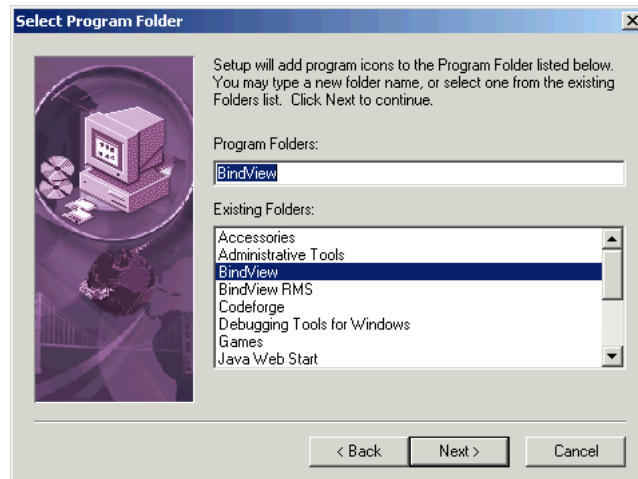


**Fig. 9** NETInventory Installer - Select Destination Directory for Sample Files Panel

- 7 Use **Browse** to select an appropriate directory, or use the default provided, and click **Next**.

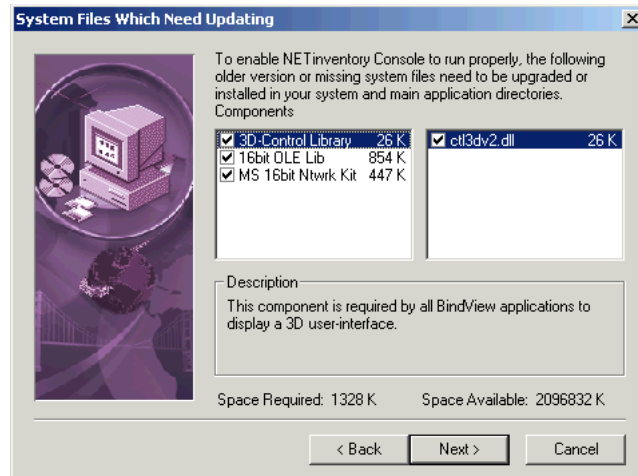
Sample data should usually be stored in the same folder as the NETInventory Console or in a shared location so many workstations can access it. The sample data is read-only and cannot be modified.

The **Select Program Folder** panel appears.



**Fig. 10** NETInventory Installer - Select Program Folder Panel

- 8 Select an existing program folder or enter a new program folder name in the **Program Folders** field, and click **Next**. If the wizard determines that system files need to be updated, the **System Files Which Need Updating** panel appears.

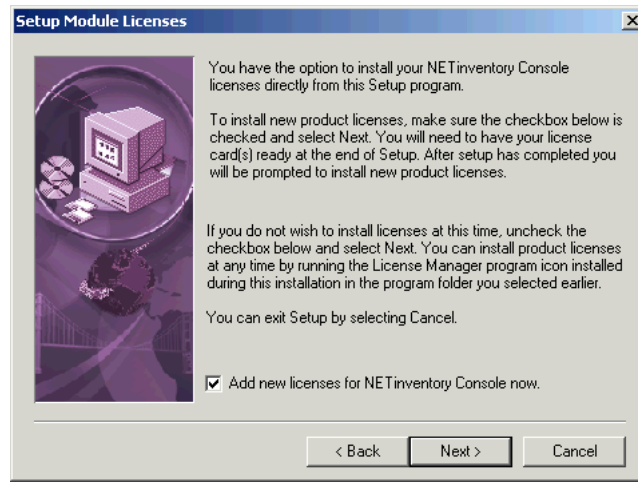


**Fig. 11** NETInventory Installer - System Files Which Need Updating Panel

- 9 To add the files, click **Next**. The wizard will copy NETInventory Console files to your computer.
- 10 When finished copying files, the Setup Wizard will scan your machine for a valid Time Zone (TZ) environment variable. If it finds one, it will give you the option to change it. Generally, you do not need to make changes to a valid Time Zone variable. Click **No** if your machine already has a valid Time Zone variable. If you do make changes to the Time Zone variable, you will need to reboot your computer for the change to take effect.

If the Wizard does not find a Time Zone variable, it will prompt you to set a Time Zone environment variable. Click **Next**

The Setup Wizard's **Setup Module Licenses** panel appears.



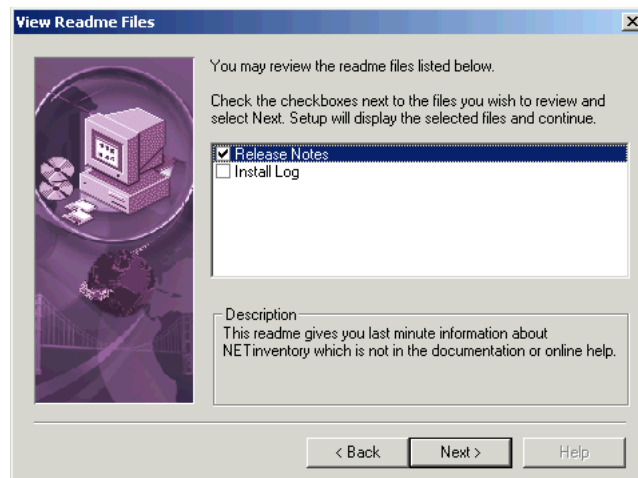
**Fig. 12** NETInventory Installer - Setup Module Licenses Panel

- 11** To add NETInventory Console licenses, select **Add new licenses for the NETInventory Console** and click **Next**.

NETInventory Console Licenses are separate from the BindView RMS Console licenses.

If you do not add licenses during the installation process, you must use the NETInventory Console to add them before you can collect and analyze any data from your enterprise network.

The Setup Wizard's **Readme Files** panel appears.



**Fig. 13** NETInventory Installer - Readme Files Panel

- 12** Select Readme documents to read, then click **Next** or **Finish**.
- 13** If you needed to make a change to your Time Zone (TZ) variable, you will be prompted to reboot your computer before using the NETInventory Console

If you chose to view any of the Readme files, they are opened on the desktop.

► **To add NETinventory Console licenses**

If you chose to add licenses on the Setup Wizard's **Setup Module Licenses** panel, the **BindView License Manager** appears once the installation is complete.

- 1 Click **Add**.
- 2 Type a license key from the license card in your NETinventory package.
- 3 Click **OK** to add the license to the database.

A single license is added. Repeat for each NETinventory license.

- 4 If you received the NETinventory licenses on a disk, insert the disk containing the licenses and click **Have Disk**.
- 5 Click **OK** to add the licenses. All the NETinventory licenses on the disk will be installed.
- 6 Click **Done** to close the BindView License Manager.

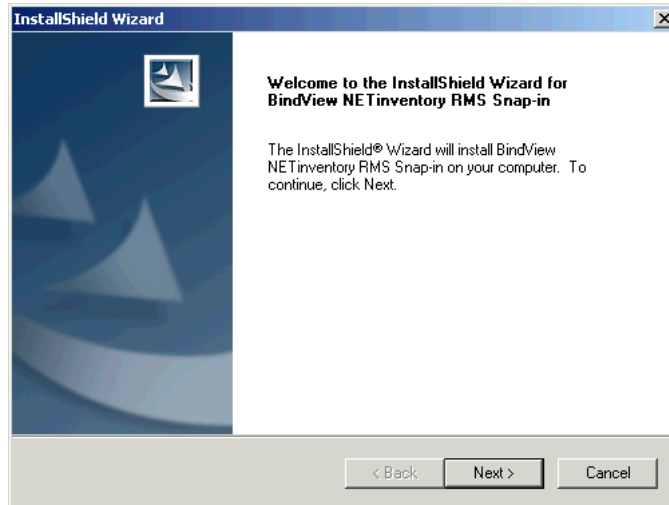
► **To install the NETinventory snap-in for the BindView RMS console**

Before you install the NETinventory snap-in for the BindView RMS Console (NETinventory-RMS), you must install the BindView RMS Console and Information Server. If you have not already installed the BindView RMS Console, please consult the *BindView RMS Console and Information Server User Guide* for information on installing the console.

- 1 If it is running, bring the NETinventory Install panel to the foreground by selecting it from the taskbar. If it is not running, start it.

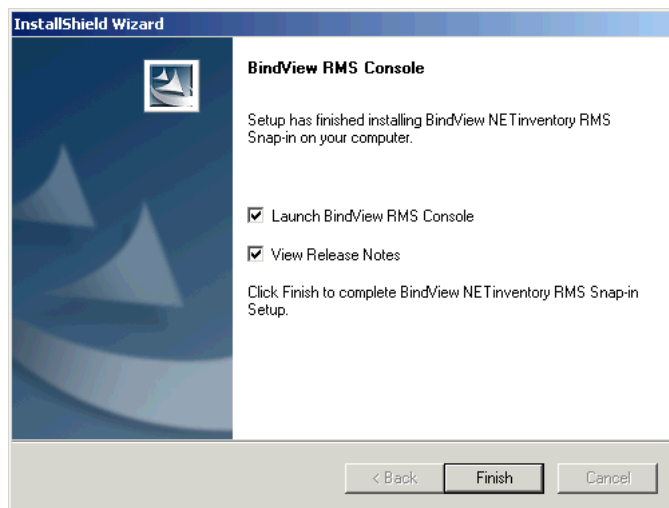


- 2 On the installation page of the Install panel, click **NETInventory RMS Snap-in**. The **Welcome** panel of the NETInventory-RMS installer appears. Click **Next**.



**Fig. 14** NETInventory-RMS Installer - Welcome Panel

- 3 The **Software License Agreement** panel appears. Read the License Agreement and click **Yes** to accept the terms. The **Start Copying Files** panel appears.
- 4 Click **Next**, and the NETInventory-RMS files will be copied to your computer. When the installation is complete, the **Setup Complete** panel appears.



**Fig. 15** NETInventory-RMS Installer - Setup Complete Panel

- 5 Select **Launch BindView RMS Console** to start the console; select **View Release Notes** to view the NETInventory release notes. Click **Finish** to close the wizard.

---

**Note:** You will not be able to retrieve NETInventory information using the NETInventory-RMS snap-in until you have configured the NETInventory Console, installed NETInventory servers, configured SQL rollup, audited nodes, and at least one synchronization has taken place. You must use the NETInventory Console to configure NETInventory and deploy servers.

---

---

# 2

# NETinventory Setup

---

## In This Chapter

Overview .....	28
NETinventory Server Components .....	28
Server Types .....	29
Audit Agents and Windows NT Servers .....	32
Using Existing Reporting Items .....	33

---

---

## Overview

Once you have installed the NETInventory Console you can:

- Use the NETInventory Console to view data in the sample database and explore using the NETInventory Console.
- Deploy and configure NETInventory servers and begin NETInventory data collection from your enterprise network.

Once NETInventory and its servers are installed, NETInventory collects information you specify from workstations on the network. You can use the NETInventory Console to view the data collected in a variety of formats.

This chapter describes the NETInventory server components, and describes deploying the required NETInventory components.

---

## Running the NETInventory Console

To run the NETInventory Console, select the NETInventory Console item in the Start menu. By default, the item is created in the "BindView" Start Menu folder.

The console starts and prompts for a password. One NETInventory Console user account exists by default. The User Name for the account is `BV Admin`. The BV Admin account has no password until you set one. See the "Configuring NETInventory Console Users" chapter of the *NETInventory User Guide* for information on setting and using console passwords.

User Names and Passwords in the NETInventory Console and user accounts in the BindView RMS Console are not related. You must create the accounts separately in each of the consoles.

You must use the NETInventory Console to configure NETInventory and NETrc. You can then configure the NETInventory-RMS snap-in to retrieve NETInventory information.

---

## NETInventory Server Components

To set up NETInventory, you use the NETInventory New Enterprise Installation wizard to deploy and run a single NETInventory server on the network. The server will host one of each of the NETInventory server types: Master Server, Audit Server, and Login Server.

After installing the NETInventory server components, use Windows administration tools to configure the server so that every user who logs in runs the NETInventory Audit Agent. This is the simplest NETInventory installation. For information on planning and installing in more complex situations, please see the "Setting Up NETInventory Server Components" chapter of the *NETInventory User Guide*.

For instructions that guide you through every step of installing and configuring the NETInventory server components, please see the "Setting Up NETInventory Server Components" chapter of the *NETInventory User Guide*.

---

## Server Types

To set up the NETInventory Console, you must select a single Windows NT 4.0 Server, Windows 2000, Windows XP, or Windows Server 2003 machine on your enterprise network to host the Master Server, Audit Server, and Login Server. You can select any machine on your network to host the NETInventory server. The machine you select should be running at all times so that nodes can contact it with audit data.

### **Master Server**

The Master Server synchronizes the NETInventory databases maintained by the NETInventory servers. Your NETInventory enterprise should have only one Master Server.

You must supply NETInventory with a user name and password it will use to configure the Master Server. This is called the *Admin Account*.

The Admin Account can be a Domain or Workgroup account. If it is a Domain Account, it must be a member of the Domain Administrators group in the domain with the machine hosting the Master Server. When multiple NETInventory servers are hosted by the same computer, they all use the same Admin Account information.

### **Audit Server**

Audit Servers collect and store audit information from nodes on your enterprise network. The Audit Agent running on nodes on the network communicate with the Audit Server to store audit data.

The New Enterprise Installation Wizard installs an Audit Server on the same server that hosts your Master Server. The Master Server requires the presence of an Audit Server on the same computer in order to function properly, but that Audit Server does not need to be configured to store audit data for any nodes. Please see the *NETInventory User Guide* for information on assigning nodes to Audit Servers automatically.

You can increase the audit speed by sharing the workload among multiple Audit Servers. You can install a separate Audit Server for specific network segments, or you can choose to install Audit Servers based on department functions or other groupings.

The number of workstations a single Audit Server audits depends on the network load, the load on the server, the speed of the network, and how extensive the audit is. Begin by configuring one Audit Server for every 2000-3000 workstations that will be audited. You can then add or delete Audit Servers based on your network's situation.

Initial audits require about 150 kilobytes per audited workstation. Over time, audit files may require as much as 1 megabyte per workstation.

In addition to the Admin Account you supply for the NETInventory Console to communicate with the NETInventory servers, you can set up a separate *Reporting Account*. The NETInventory Console uses the Reporting Account to retrieve data from the Audit Server. Reporting Accounts allow users who can't access a server to access audit data on the server. The Reporting Account is optional, and you

can create it when setting up the Audit Server, or you can add or change it later.

For information on using additional Audit Servers or NetWare Audit Servers, or for step-by-step instructions on setting up an Audit Server, please see the "Setting Up NETInventory Server Components" chapter of the *NETInventory User Guide*.

### **Login Server**

Any machine hosting the NETInventory Audit Agent files are NETInventory Login Servers. Audit Agents are programs that run on workstations when they log in to the Login Server. The Audit Agent performs the work of auditing the workstation.

Every server that workstations log in to should be a NETInventory Login Server. The Login Server does not require that any software or services run on the Login Server

For an audit to take place automatically, the Audit Agent should be executed when the workstation logs in to the Login Server.

### **Server Requirements**

Any Windows NT 4.0 Server with Service Pack 6a, Windows 2000,, Windows XP, or Windows Server 2003 machine—server or workstation—can host the Master, Audit, and Login Server combination. Servers are normally running at all times, while workstations are very often rebooted, powered down, or otherwise unavailable. If you do choose to use a workstation, be sure that it will always be available when audits will be taking place.

### **Needed Information**

During the installation, the wizard will prompt you for the following information:

- Name of the server that will host the NETInventory servers.
- Valid user name and password combination for the server. This account must be a Domain Admin account or a Local Admin account on the machine. You may wish to create a new user account for NETInventory to use.
- Valid NETInventory license code on disk or on a license card.
- Location on the machine where NETInventory files will be stored. This location must be a share. Every user who will use the NETInventory Console to report on the data must have access to this share. You should create this share before you begin installing the New Enterprise.

Optionally, you can supply NETInventory with a *Reporting Account*—a Login name and password the NETInventory Console uses when it collects information from the Audit Server for display.

### **Automatic Installation**

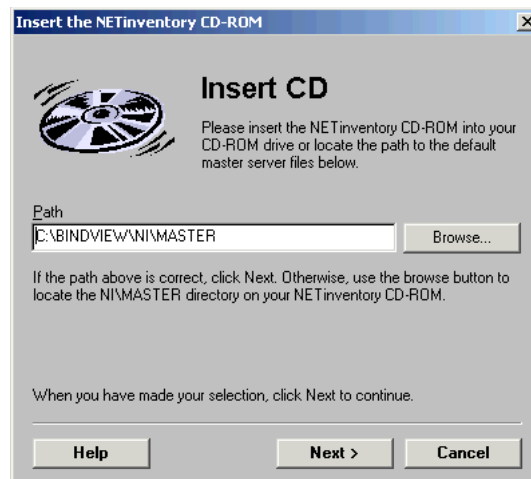
The Wizard will prompt you to automatically install the Audit and Login Server you are creating. Since only one NETInventory server is being installed now, you should not use automatic install. Automatic Installation is useful when installing several Audit or Login Servers, since there is no wait time while the NETInventory Console copies files to each Server.

- ▶ **To set up a new NETInventory enterprise**
  - 1 Insert the NETInventory Console CD-ROM, then run the NETInventory Console.
  - 2 Select **Options>NETInventory Setup**.



**Fig. 16** NETInventory Setup Navigator Dialog

- 3 Click **New Enterprise Installation**.  
The **Install New Enterprise** Dialog appears. Click **Next** to begin the installation.
- 4 The **Insert the NETInventory CD-ROM** panel appears.



**Fig. 17** Insert the NETInventory CD-ROM Panel

- 5 If the path to the BindView directory is different from the path displayed in the dialog, click **Browse**.

The **Locate the SITEDFLT Directory** dialog appears. Locate the BINDVIEW directory, then locate the \NI\master\ directory and select it. Once you have selected the directory, click **OK**.

Once you have selected the `\NI\master\` directory in your BINDVIEW directory, click **Next** in the **Insert CD** dialog to begin the installation.

The Wizard helps you install the new NETInventory enterprise.

- 6 When the installation is complete, the **New Enterprise** panel will appear. Click **Finish**. The NETInventory Console will prompt you to configure SQL storage for data rolled up from the NETInventory enterprise. Rolling up data to SQL storage allows you to use the NETInventory snap-in for the BindView RMS Console to retrieve NETInventory data. To launch the SQL Settings wizard, click **Yes**, and the SQL Settings wizard will appear. For information on configuring data rollup, please see [“Configuring the NETInventory Snap-in for the BindView RMS Console” on page 35.](#)

---

## Audit Agents and Windows NT Servers

For a node to be audited, the node must run the Audit Agent, which does the actual work of auditing. There are several ways to ensure that nodes run the Audit Agent automatically.

If individual user login scripts are enabled in your Windows-hosted Login Server's User Manager, you should add the command `bvaudit.exe` to users' login scripts. This process is easiest if multiple users share login scripts. If each user has a different login script, or if login scripts are not enabled, you can use policies to start the Audit Agent.

If the server authenticating the user is not a NETInventory Login Server, you must either use the Login Script to map a drive to a share which contains the Audit Agent files and use the complete path for that share in the Login Script *or* use the UNC for the Audit Agent directory in the script. If the server authenticating the user is a NETInventory Login Server, the Audit Agent files should be in the NETLOGON\$ share, and thus available to all users who authenticate to the server.

System or group policies can be used to start the Audit Agent. For complete information on using System and Group policies, please consult your Windows documentation.

To use policies, make sure that the directory replicator service is set up as specified in the Windows Server documentation. Then, use the System Policy Editor on a Domain Controller (DC) to add the Audit Agent's Universal Naming Convention (UNC) path to the Default User's Startup folder. After this is done, whenever a user logs into the domain, the Audit Agent will run. If a user only logs in to the local workstation without accessing network resources, the Agent will not run.

Finally, you can add the command to run the Audit Agent to the node itself. On a DOS or Windows 3.1 node, add it to the node's AUTOEXEC.BAT file. On a Windows 95, Windows 98, Windows ME, Windows NT, Windows 2000, Windows XP, or Windows Server 2003 node, add the Audit Agent to the Startup folder in the Start menu. To prevent the icon from appearing in the Start menu, you can use the Windows Policy Editor to add it to the Startup group without an



icon appearing. You can also use a batch file and the Windows task scheduler to open the Audit Agent at a scheduled interval. This is particularly useful on a computer that is not logged into often, such as a server.

---

## Using Existing Reporting Items

The NETinventory Console includes many predefined report items you can use to analyze your enterprise network. Predefined reports give you examples of ways you can use NETinventory. In addition, you can use the items as a “head start” when creating your own reporting items. For information on creating reporting items, see the “Creating and Changing Items” chapter of the *NETinventory User Guide*.

NETinventory can only display information that has been collected by its Audit Agents. If you have not yet audited any workstations, the NETinventory databases will not contain any information yet. You may need to wait until workstations have been audited before any query will display results. You can force workstations to be audited manually by running the Audit Agent.

Report items have a Grid, Graph, or Folder icon.

**Grid** icons produce results that look something like those in spreadsheets.

**Graph** icons produce graphs of your network resources.

**Folder** icons represent folders of additional items.

Double-click any grid or graph to run the query it contains.

The NETinventory Console connects to your Audit Servers to collect and display the query data. You can print the results of a Grid or Graph.



---

# 3

## Configuring the NETInventory Snap-in for the BindView RMS Console

---

### In This Chapter

Overview .....	36
Configuring SQL Rollup .....	36
Using the NETInventory-RMS Snap-in .....	39
Using Existing Reporting Items .....	41

---

---

## Overview

The NETInventory Snap-in for the BindView RMS system allows you to use the BindView RMS Console to retrieve and display information collected by NETInventory. The BindView RMS Console includes data analysis features that the NETInventory Console does not include. In addition, it is easier to scale to large installations using the BindView RMS Console than it is to scale the NETInventory Console.

When you use the NETInventory-RMS snap-in, the data collected from Audit Agents by the Audit Servers is rolled up to a SQL database by the Master Server. The NETInventory-RMS snap-in can then report on the data.

When data is rolled up to the SQL database, you cannot perform ActiveAdmin® or other changes to the data, since the transfer to the SQL database is one-way. In addition, some data may be out-of-date, since rollup only occurs when the Master Server synchronizes with the Audit Servers. For complete information on data rollup and on scheduling and controlling synchronization, please see the "Setting Up NETInventory Server Components" chapter of the *NETInventory User Guide*.

---

## Configuring SQL Rollup

When you configure SQL database rollup, you must specify the SQL server to store the data and the path on the server where the data should be stored. The following SQL server applications are supported for storing data:

- SQL Server 7.0
- SQL Server 2000 (with and without named instances)
- MSDE 7.0
- MSDE 2000 (with and without named instances)

---

**Note:** MSDE is required to use the BindView RMS Console and Information Server, and is included on the BindView RMS Console and Information Server installation disc.

---

MSDE data storage is suitable for networks with up to 10,000 nodes. If you have more nodes, you should use Microsoft SQL Server to store the NETInventory SQL Database. In addition, if you will have more than 4 clients (BindView Information Servers or SQL Clients) accessing the NETInventory data, you should use Microsoft SQL Server.

### ► **To configure NETInventory SQL Settings**

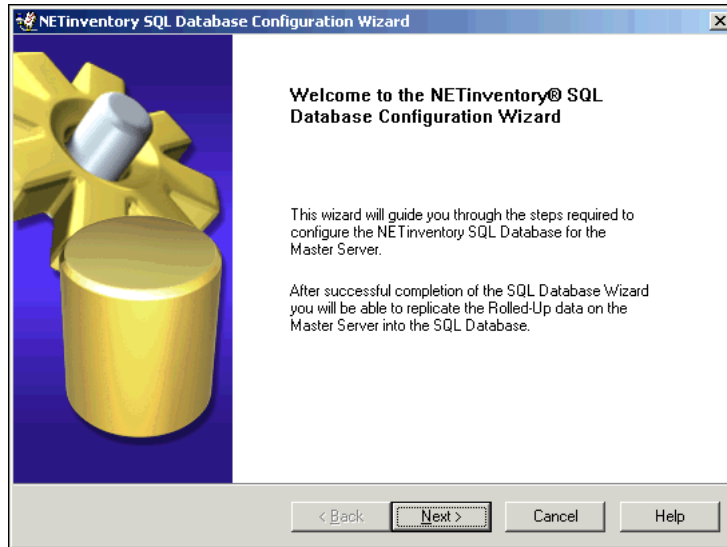
When you configure the NETInventory SQL settings, you must have permission to create and make changes to the SQL database that will store the NETInventory data. For information on configuring access to the SQL database, please see the User Guide for your SQL database.

- 1 Open the **NETInventory SQL Database Configuration Wizard** by clicking **Yes** when prompted to configure SQL settings in the **New Enterprise Installation Wizard**.

---

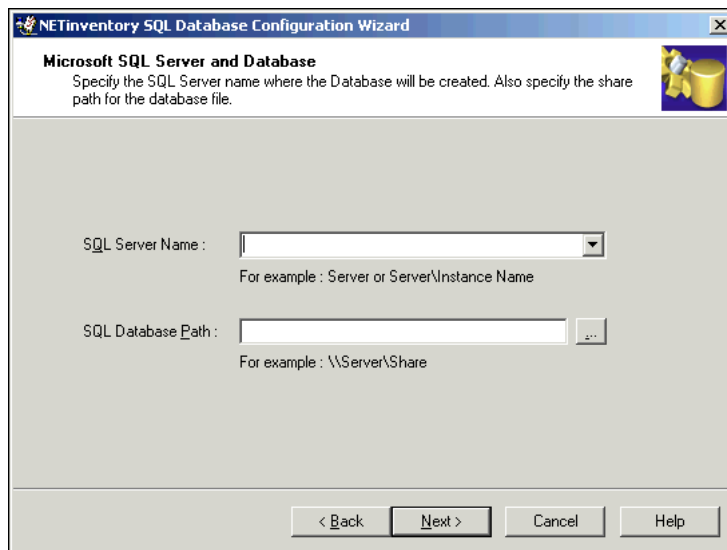
**Note:** You can also configure SQL settings from within the NETInventory Console by choosing Options>NETInventory Setup, then clicking **Server Setup** and then **SQL Settings**.

---



**Fig. 18** NETInventory SQL Database Configuration Wizard

- 2 Click **Next**. The **Select Operation** panel appears. Since you have not yet created a SQL Database for this Master Server, the only option available is **Configure a SQL Database for the Master Server**. Click **Next**. The **SQL Server and Database** panel appears.



**Fig. 19** NETInventory SQL Database Configuration Wizard - SQL Server and Database Panel

- 3 Enter the name of the SQL Server where data should be rolled up in the **SQL Server Name** field or choose the server's name from the drop-down list. Click the browse (...) button or enter the path to the SQL database in the **SQL Database Path** field.

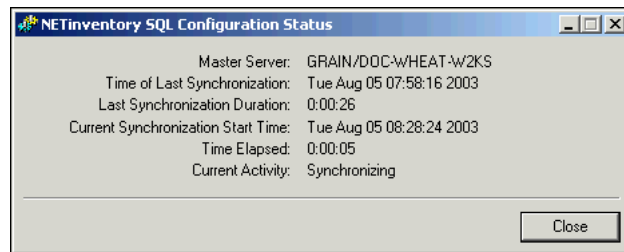
---

**Note:** If the SQL Server you select is set up to use Windows Authentication, it must be in the same domain or in a trusted domain of the machine which hosts the BindView Information Server you will use to access the information. If there is not a trust relationship between the two domains, you must use SQL Authentication instead.

---

- 4 Click **Next**. The **Summary** panel appears.
- 5 Click **Next**. The **Completing NETInventory SQL Database Configuration Wizard** panel appears. Make sure that **Perform Complete Database Synchronization now** is selected and click **Finish** to create the database and roll the data up to it.

An icon will appear in the System Tray on the Windows taskbar on the computer you use to enable SQL Rollup. When you double-click the icon, a dialog will appear allowing you to view the SQL Rollup status.



**Fig. 20** NETInventory SQL Configuration Status Dialog

In the future, new and changed data will be rolled up to the SQL server whenever the Master Server synchronizes the Enterprise network.

Once you have audited nodes and a scheduled synchronization has taken place (by default, every hour), you will be able to use the NETInventory Snap-in for BindView RMS to retrieve NETInventory data from the SQL database.

---

**Note:** The initial data rollup to SQL may take up to several hours, depending on your network configuration and how much NETInventory data has been collected already.

---

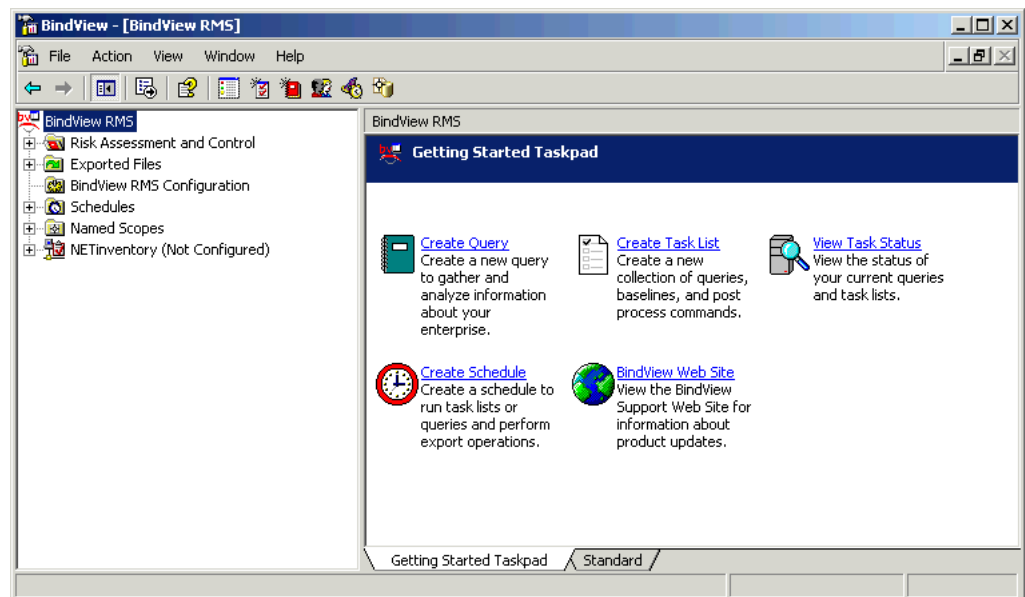
## Using the NETInventory-RMS Snap-in

You must configure the BindView RMS Console and Information Server and the NETInventory-RMS snap-in before you can retrieve NETInventory information.

The BindView RMS Console automatically detects when a new snap-in is available to be configured and starts the BindView RMS Add Product Wizard when you run the BindView RMS Console.

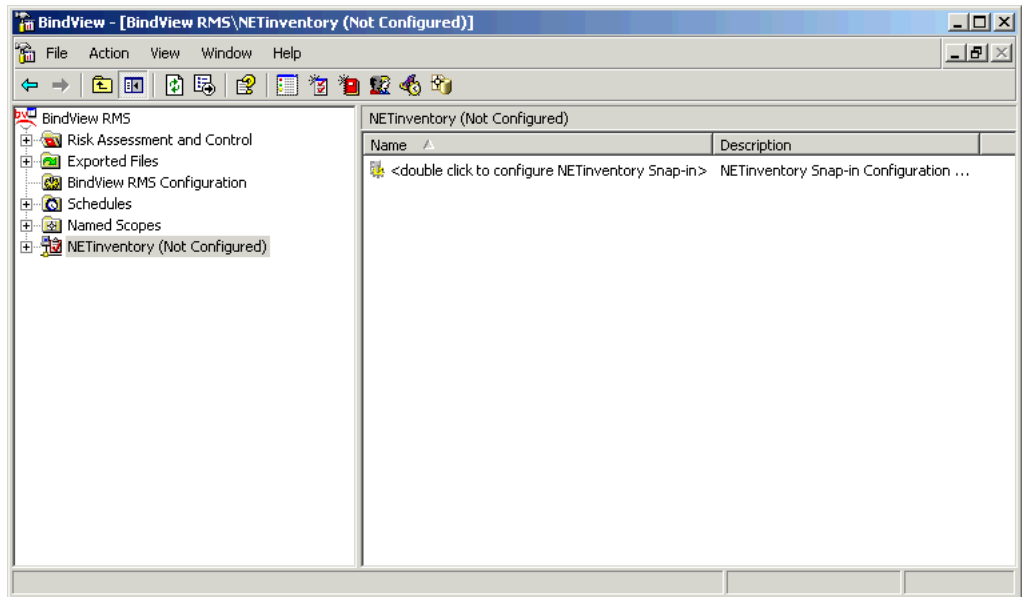
### ► *To configure the BindView RMS Console*

- 1 Open the BindView RMS Console. The simplest way to start the console is to select **BindView RMS Console** from the BindView RMS group in the Start menu.
- 2 Follow the instructions in the BindView RMS Console Configuration wizard to add NETInventory-RMS to the Console, to add BindView RMS Console licenses if needed, and to create users.
- 3 When the Wizard finishes, the BindView RMS Console appears.



**Fig. 21** BindView RMS Console

- ▶ **To configure the NETInventory-RMS snap-in**
  - 1 Select the **NETInventory(Not Configured)** item. The NETInventory configuration item appears.



**Fig. 22** BindView RMS Console with NETInventory (Not Configured) Node Selected

- 2 Double-click the **<double-click to configure NETInventory Snap-in>** item. The **NETInventory Configuration Wizard** appears.
- 3 Follow the instructions in the **NETInventory Configuration Wizard** to configure NETInventory-RMS to access NETInventory data from your Master Server.



---

## Using Existing Reporting Items

The NETinventory-RMS snap-in includes predefined report items you can use to analyze your network. Predefined reports give you examples of ways you can use NETinventory. In addition, you can use the items as a “head start” when creating your own reporting items. For information on creating reporting items, see the chapter “NETinventory Snap-in for BindView RMS” of the *NETinventory User Guide*.

NETinventory can only display information that has been collected by Audit Agents and rolled up to the SQL databases. If you have not yet audited any workstations, the NETinventory databases will not contain any information yet. If audit data has not been rolled up to the SQL database, it will not be accessible using the BindView RMS Console.

► **To use a pre-defined report item**

- 1 Open the **Risk Assessment and Control** item in the BindView RMS Console.
- 2 Open the **Pre-Defined** folder.
- 3 Open the **NETinventory** folder.
- 4 Open the **Getting Started** folder.
- 5 Double-click any item in the folder. The BindView RMS Console will retrieve the information specified in the query and display the information.



---

# 4

# NETrc Setup

---

## In This Chapter

Overview .....	44
Configuring NETrc .....	44
Assigning Licenses .....	44
Choosing a Default Profile .....	46
Using NETrc .....	47

---

---

## Overview

Before you can use NETrc, you must install the NETInventory Console and deploy a NETInventory Master, Audit, and Login server. If you haven't yet configured NETInventory servers, please see [Chapter 2, "NETInventory Setup," on page 27](#) for information on setting up NETInventory.

Once NETInventory and its servers are installed, with NETrc configured and the NETInventory audited nodes on your network, you can use NETrc and the NETInventory Console to take remote control of nodes which have been audited.

For more detailed information on using NETrc, please see Section 4, "NETrc," of the *NETInventory User Guide*.

---

## Configuring NETrc

NETrc relies on NETInventory for essential services. Once you have set up your NETInventory enterprise network, you configure NETrc to install the NETrc Host on nodes as they are audited. Once the NETrc Host is installed, you can use the NETInventory Console to open the NETrc Viewer to view or control the audited nodes.

---

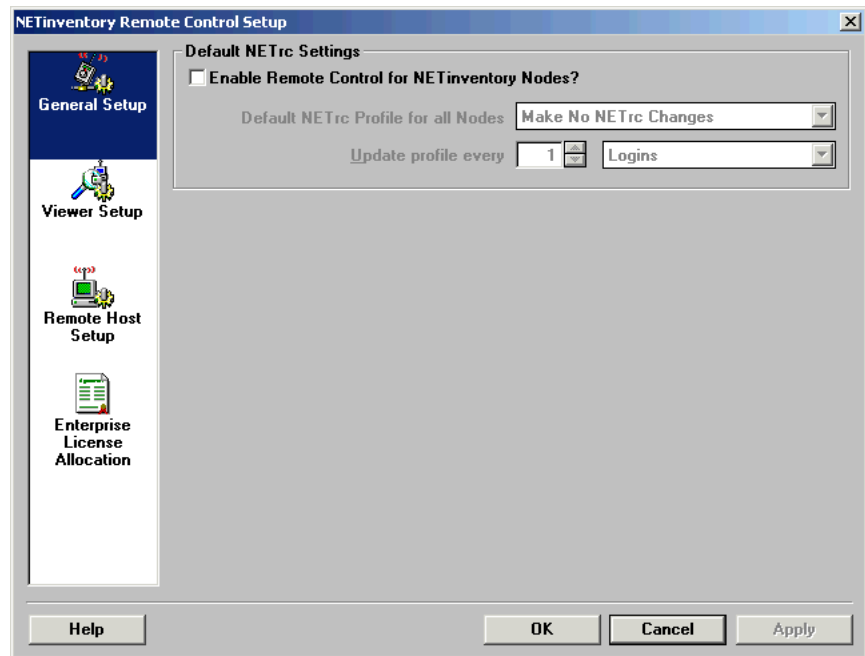
## Assigning Licenses

NETrc licenses are based on the number of audited nodes. Every node which has the NETrc Host program installed must have a license. You do not enter a license code for each node. Instead, licenses are held by NETInventory Audit Servers and assigned to nodes when the Host software is installed. When the host is uninstalled, the license is returned to the pool.

When you enter your NETrc license codes, the available licenses are held in a pool. To use the licenses, you assign them to the Audit Server on your network.

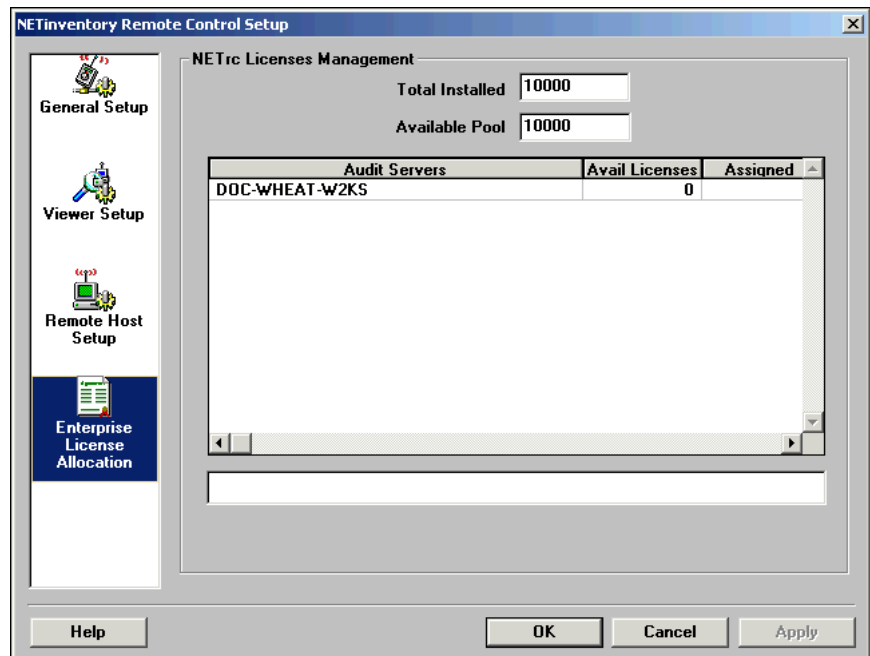
► **To assign NETrc licenses to an Audit Server**

- 1 Choose **Options>NETrc Setup**. The **NETInventory Remote Control Setup** dialog appears.



**Fig. 23** NETInventory Remote Control Setup Dialog - General Setup Panel

- 2 Click **Enterprise License Allocation**. The **NETrc Licenses Management** panel appears.



- 3 NETInventory Remote Control Setup Dialog - NETrc Licenses Management Panel

This page allows you to define how NETrc licenses are assigned to the Audit Servers on your network. The fields at the top of the page show how many licenses you have installed and how many are available for allocation.

The lower portion of the page lists the Audit Servers on your network, along with how many licenses are assigned to each server and how many of the assigned licenses remain available for use.

- 4 Click in the **Assigned** field for any audit server. Type the number of licenses to assign to the Audit Server, then press **Enter**. You can assign any number of licenses up to the number in the **Available Pool** field.
- 5 If you have more than one Audit Server, you can assign licenses to additional servers. To remove licenses from a server and return them to the available pool, decrease the number in the **Assigned** field for that server.
- 6 Click **Apply** to save the changes you have made.

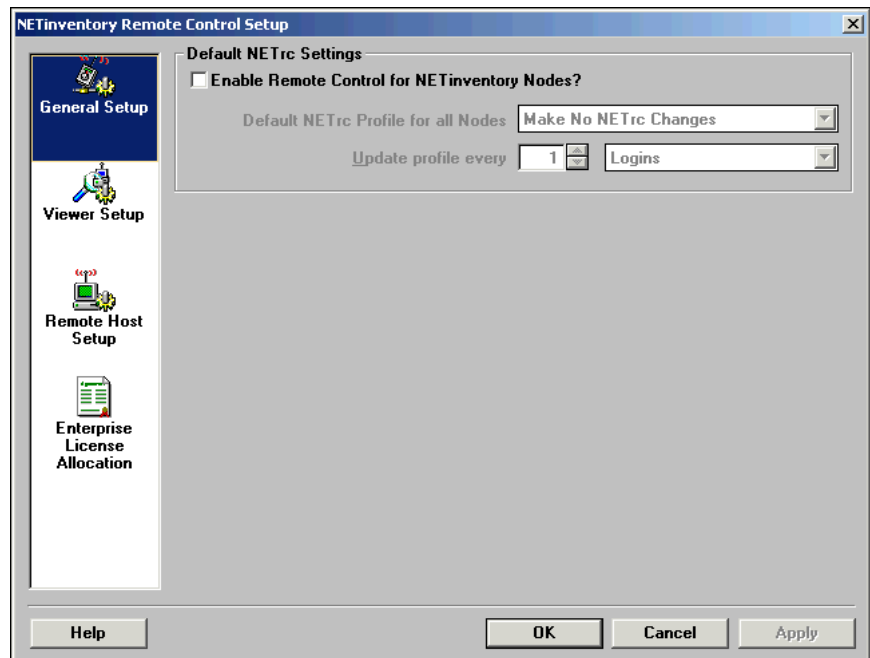
---

## Choosing a Default Profile

Once licenses are assigned to Audit Servers, you can select a NETrc Profile to assign to audited nodes.

► **To set a default NETrc profile**

- 1 Click **General Setup**. The General Setup panel appears.



**Fig. 24** NETInventory Remote Control Setup Dialog - General Setup Panel

- 2 Select **Enable Remote Control for NETInventory Nodes**.
- 3 Select a profile in the **Default NETrc Profile for all Nodes** field.

The NETrc profile you choose will be assigned to all new nodes audited by the NETInventory Audit Agent. For nodes that have already been audited by the NETInventory Audit Agent, use the **NETrc** panel in the NETInventory Node Manager to manually assign a profile to the node.

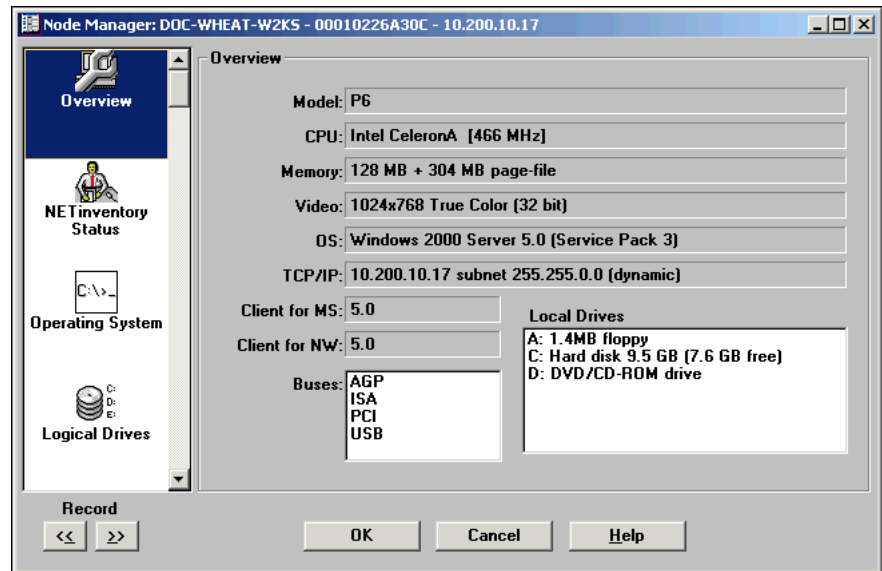
- 4 Click **OK** to close the **NETInventory Remote Control Setup** dialog and save the changes you have made. If you are prompted to allow NETInventory to synchronize servers, click **OK** to allow it to do so.

## Using NETrc

All new nodes audited by NETInventory will have the default NETrc profile you selected assigned. Once nodes have been audited and they show up in a list of NETInventory nodes, you can use the NETInventory Node Manager to take control.

### ► **Taking control with the Node Manager**

- 1 Run any NETInventory Grid report and select a node from the grid. Double-click the node's record in the grid and the NETInventory **Node Manager** appears.



**Fig. 25** NETInventory Node Manager - Overview Panel

- 2 Select **NETrc** in the column on the left side of the dialog. The **NETrc** panel appears.

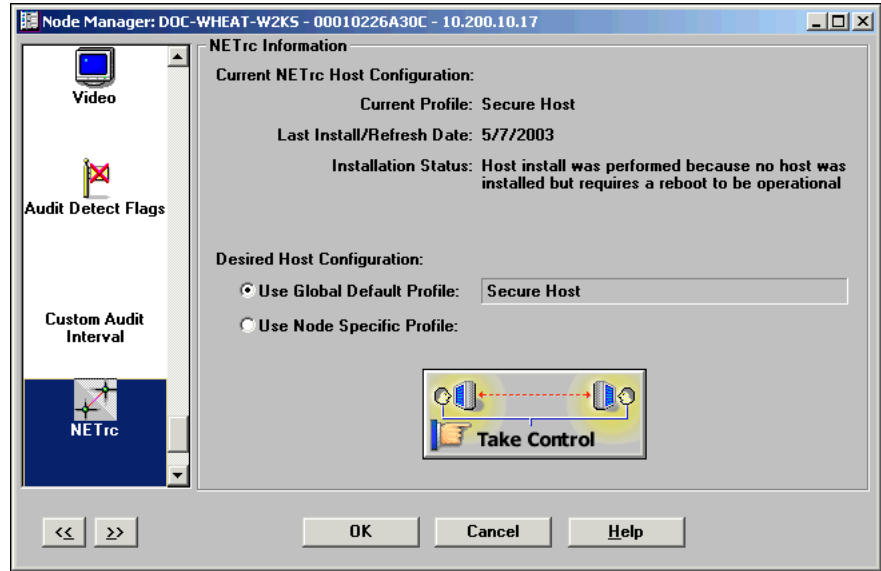


Fig. 26 NETInventory Node Manager - NETrc Panel

- 3 Click **Take Control**, and the NETrc Master launches, allowing you to take control of the node. When you have finished, close the NETrc Master.
- 4 When you have finished using the Node Manager, click **OK** or **Cancel** to close the Node Manager.

► **Taking control with ActiveAdmin**

You can also take control of any node with NETrc installed using ActiveAdmin.

- 1 Run any NETInventory grid.

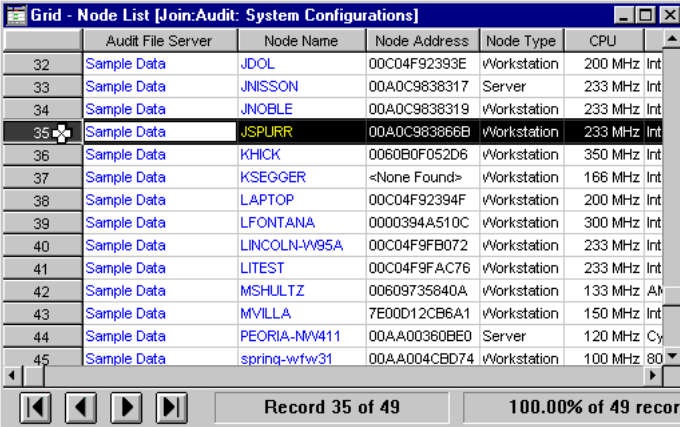
	Audit File Server	Node Name	Node Address	Node Type	CPU	
32	Sample Data	JDOL	00C04F92393E	vWorkstation	200 MHz	Int
33	Sample Data	JNISSON	00A0C9838317	Server	233 MHz	Int
34	Sample Data	JNOBLE	00A0C9838319	vWorkstation	233 MHz	Int
35	Sample Data	JSPURR	00A0C983866B	vWorkstation	233 MHz	Int
36	Sample Data	KHICK	0060B0F052D6	vWorkstation	350 MHz	Int
37	Sample Data	KSEGGER	<None Found>	vWorkstation	166 MHz	Int
38	Sample Data	LAPTOP	00C04F92394F	vWorkstation	200 MHz	Int
39	Sample Data	LFONTANA	0000394A510C	vWorkstation	300 MHz	Int
40	Sample Data	LINCOLN-W95A	00C04F9FB072	vWorkstation	233 MHz	Int
41	Sample Data	LITEST	00C04F9FAC76	vWorkstation	233 MHz	Int
42	Sample Data	MSHULTZ	00609735840A	vWorkstation	133 MHz	AM
43	Sample Data	MVILLA	7E00D12CB6A1	vWorkstation	150 MHz	Int
44	Sample Data	PEORIA-NV411	00AA00360BE0	Server	120 MHz	Cy
45	Sample Data	spring-wfw31	00AA004CBD74	vWorkstation	100 MHz	80

At the bottom of the window, there are navigation arrows, a status bar showing "Record 5 of 49", and a progress indicator showing "100.00% of 49 records".

Fig. 27 NETInventory Grid



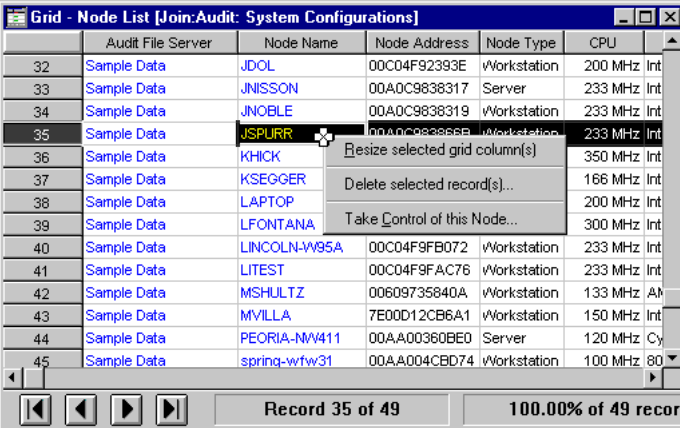
- Click the node's row number in the grid to select the node.



	Audit File Server	Node Name	Node Address	Node Type	CPU	
32	Sample Data	JDOL	00C04F92393E	Workstation	200 MHz	Int
33	Sample Data	JNISSON	00A0C9838317	Server	233 MHz	Int
34	Sample Data	JNOBLE	00A0C9838319	Workstation	233 MHz	Int
35	Sample Data	JSPURR	00A0C983866B	Workstation	233 MHz	Int
36	Sample Data	KHICK	0060B0F052D6	Workstation	350 MHz	Int
37	Sample Data	KSEGGGER	<None Found>	Workstation	166 MHz	Int
38	Sample Data	LAPTOP	00C04F92394F	Workstation	200 MHz	Int
39	Sample Data	LFONTANA	0000394A510C	Workstation	300 MHz	Int
40	Sample Data	LINCOLN-W95A	00C04F9FB072	Workstation	233 MHz	Int
41	Sample Data	LITEST	00C04F9FAC76	Workstation	233 MHz	Int
42	Sample Data	MSHULTZ	00609735840A	Workstation	133 MHz	AM
43	Sample Data	MVILLA	7E00D12CB6A1	Workstation	150 MHz	Int
44	Sample Data	PEORIA-NW411	00AA00360BE0	Server	120 MHz	Cy
45	Sample Data	spring-wfw31	00AA004CBD74	Workstation	100 MHz	80

Fig. 28 NETInventory Grid with row selected

- Move the cursor over the selected row and right-click to display the pop-up menu.



	Audit File Server	Node Name	Node Address	Node Type	CPU	
32	Sample Data	JDOL	00C04F92393E	Workstation	200 MHz	Int
33	Sample Data	JNISSON	00A0C9838317	Server	233 MHz	Int
34	Sample Data	JNOBLE	00A0C9838319	Workstation	233 MHz	Int
35	Sample Data	JSPURR	00A0C983866B	Workstation	233 MHz	Int
36	Sample Data	KHICK	0060B0F052D6	Workstation	350 MHz	Int
37	Sample Data	KSEGGGER	<None Found>	Workstation	166 MHz	Int
38	Sample Data	LAPTOP	00C04F92394F	Workstation	200 MHz	Int
39	Sample Data	LFONTANA	0000394A510C	Workstation	300 MHz	Int
40	Sample Data	LINCOLN-W95A	00C04F9FB072	Workstation	233 MHz	Int
41	Sample Data	LITEST	00C04F9FAC76	Workstation	233 MHz	Int
42	Sample Data	MSHULTZ	00609735840A	Workstation	133 MHz	AM
43	Sample Data	MVILLA	7E00D12CB6A1	Workstation	150 MHz	Int
44	Sample Data	PEORIA-NW411	00AA00360BE0	Server	120 MHz	Cy
45	Sample Data	spring-wfw31	00AA004CBD74	Workstation	100 MHz	80

Fig. 29 NETInventory Grid with row selected and context menu

- Select **Take Control of this Node**. The NETrc Master runs, allowing you to take control of the node. When you have finished, close the NETrc Master.



---

# Index

## A

- Audit Server
  - Automatic Installation Option, 30
  - Suggested Nodes per server, 29

## B

- BindView RMS Console
  - Configuring, 39
- BV Admin Default Password, 28

## C

- Configuration
  - NETInventory, 28
- Configuring
  - BindView RMS Console, 39
- Console Requirements, 14

## I

- Installation, 17 – 26
  - Adding Licenses, 23
  - Setup Types Defined, 16

## L

- Licenses
  - Adding, 23
- Login Scripts
  - Windows NT, 32
- Login Server
  - Windows NT Considerations, 32
  - Windows NT Login Scripts, 32
  - Windows NT Policies, 32

## M

- Master Server
  - Required Information for Configuring, 30
  - Setting Up, 31

## N

- NETInventory
  - Audit Agents, 32
  - New Enterprise Installation, 29 – 32
    - Overview, 28
  - Post-Installation Setup, 28
  - Setting Up

- Master Server, 31
- Setup Overview, 28
- Using Existing Reporting Items, 33, 41
- Using Sample Data, 28
- Windows NT Login Server Login Scripts, 32
- NETInventory Console
  - Installing, 17 – 26
  - Running, 28
  - Viewing Readme Files, 23
- NETrc
  - and ActiveAdmin, 48
  - and the NETInventory Node Manager, 47
  - Configuring, 44 – 47
  - Licenses, 44
  - Setting the Default Profile, 46
  - Setup Overview, 44
  - Taking Control, 47 – 49

## R

- Running NETInventory Console, 28

## S

- Setup Types Defined, 16
- System Requirements
  - Console, 14
  - NETInventory Servers, 15

