



DefendX Software Control-Audit™ for Windows® Installation Guide Version 5.1

This guide provides a short introduction to installation and initial configuration of DefendX Software Control-Audit™ for Windows® Edition, from an administrator's perspective. Upon completion of the steps within this document, DefendX Software Control-Audit for Windows Edition will be installed within your enterprise community.



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Introduction

Thank you for your interest in DefendX Software Control-Audit™ for Windows® Edition. DefendX Software Control-Audit monitors file and directory operations for users.

DefendX Software Control-Audit for Windows Edition can be used to monitor Windows and clusters or any combination of these systems. DefendX Software Control-Audit imposes no restrictions on how you organize or manage your storage. You can monitor file operations on individual paths, directories, and/or shares.

To install DefendX Software Control-Audit, a login with administrator rights is needed. You will be installing two different services: the DefendX Software Smart Policy Manager™ service and the DefendX Software Control-Audit service.

The DefendX Software Smart Policy Manager service should be installed with a domain user account as its service account. The DefendX Software Control-Audit service requires a domain user account with local administrative rights on Windows.

Your hardware should be appropriate for the services running on each machine.

Requirements

DefendX Software Control-Audit for Windows Edition Server Requirements

DefendX Software Control-Audit for Windows is installed on a server in your environment. The hardware must be suitable for our software operation, and our requirements are the minimum necessary. If your server is also hosting antivirus or other programs, your environment's requirements may be greater than those in the following list:

- 1 GHz CPU
- Windows Server 2008 or Later
- 1 GB RAM
- 150 MB free disk space
- Network interface card
- Internet Explorer version 6 or Later or Firefox version 2.x or Later
- IIS version 6 or 7
- Microsoft SQL Server 2005 or Later

NOTE: SP3 is recommended to be used if MS SQL server 2005 is the database server.
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- SQL Server Reporting Services 2005 or later
- Microsoft .NET Framework 2.0
- ASP.NET AJAX 1.0
- Microsoft Report Viewer 2005 SP1 (installed along with the Report Pack)

- **NOTES:**
- The Remote Connection to the SQL Server should be enabled.
- The SQL Server user should have **db_datareader** and **execute** permissions on the Control-Audit database.
- The Reporting Service on the database server must grant access to the currently logged Windows user while installing the application.
- Different versions must be used depending on the version of Windows you are using:

- a. a. If you have a 32-bit edition of Windows, then you need to install Control-Audit x86 edition.
- b. b. If you have a 64-bit edition of Windows, then you need to install Control-Audit x64 edition.
- c. c. If you have an Itanium-based system, then you need to install Control-Audit Itanium edition.

Before You Begin

Before running DefendX Software Control-Audit for Windows Edition installer, make sure you have the following ready for a smooth installation:

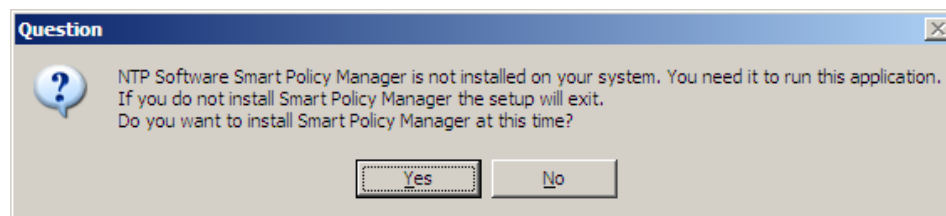
1. The Microsoft SQL Server user name and password for authentication.
2. Access to server.
3. The license key you were given when you purchased the Control-Audit product.

Installation

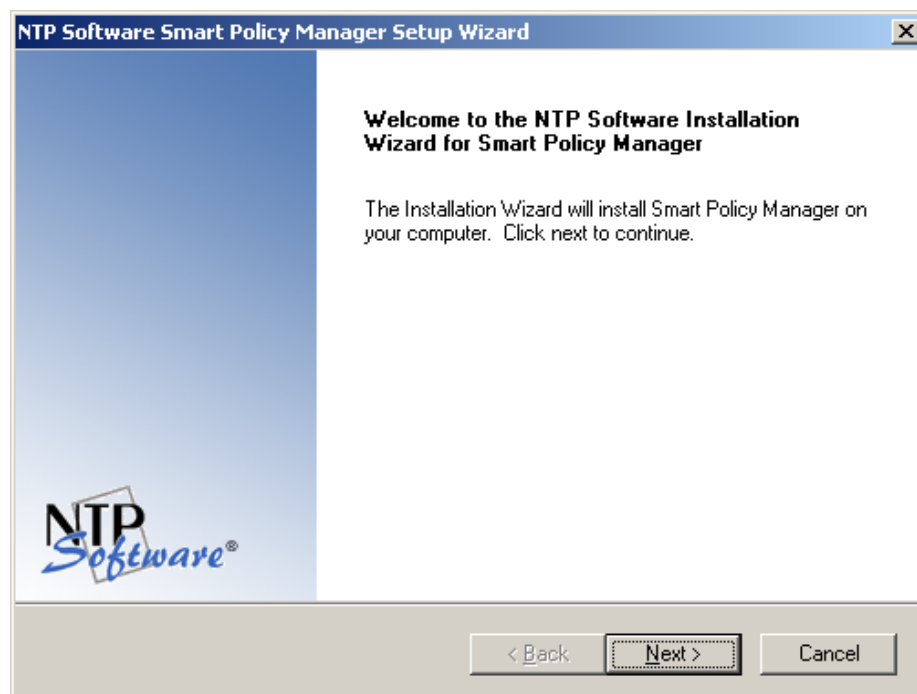
Prior to installing DefendX Software Control-Audit for Windows, DefendX Software recommends verifying that the installation server meets the requirements listed in the *Requirements* section of this document.

Installing DefendX Software Smart Policy Manager

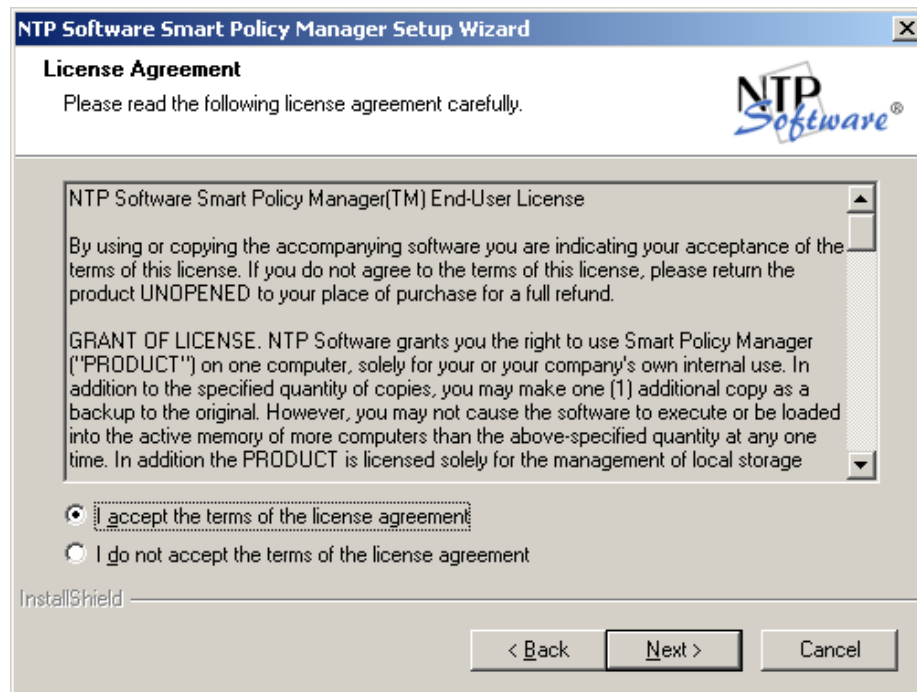
1. Log on to your server using an account with administrator privileges.
2. Run the DefendX Software Control-Audit installer. If DefendX Software Smart Policy Manager is not installed, the following installer will launch automatically. If DefendX Software Smart Policy Manager is installed, you can skip to the section on *Installing DefendX Software Control-Audit for Windows Edition*.



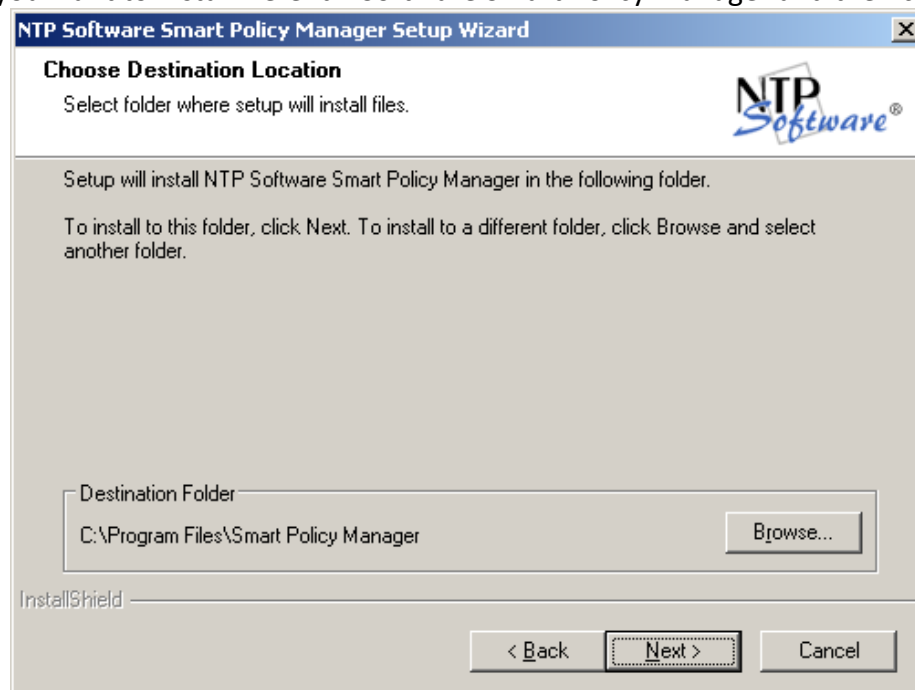
3. The DefendX Software Smart Policy Manager Installation Wizard opens. Click **Next** to begin the installation.



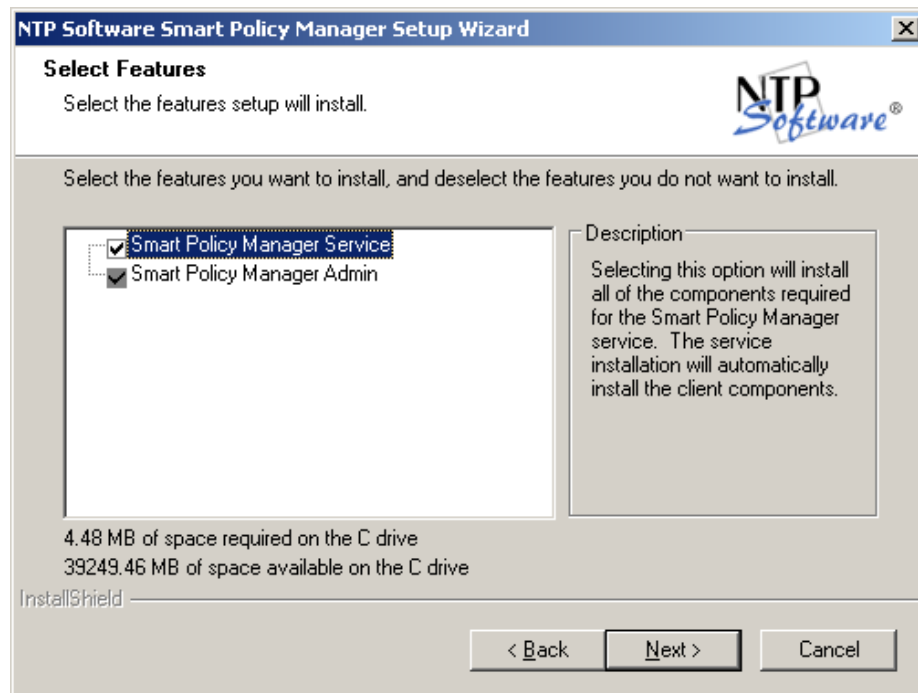
4. In the **License Agreement** dialog box, read the end-user license agreement. If you agree to the terms, click **I accept the terms of the license agreement** and then click **Next**. If you do not accept the terms, click **Cancel** to exit the installation.



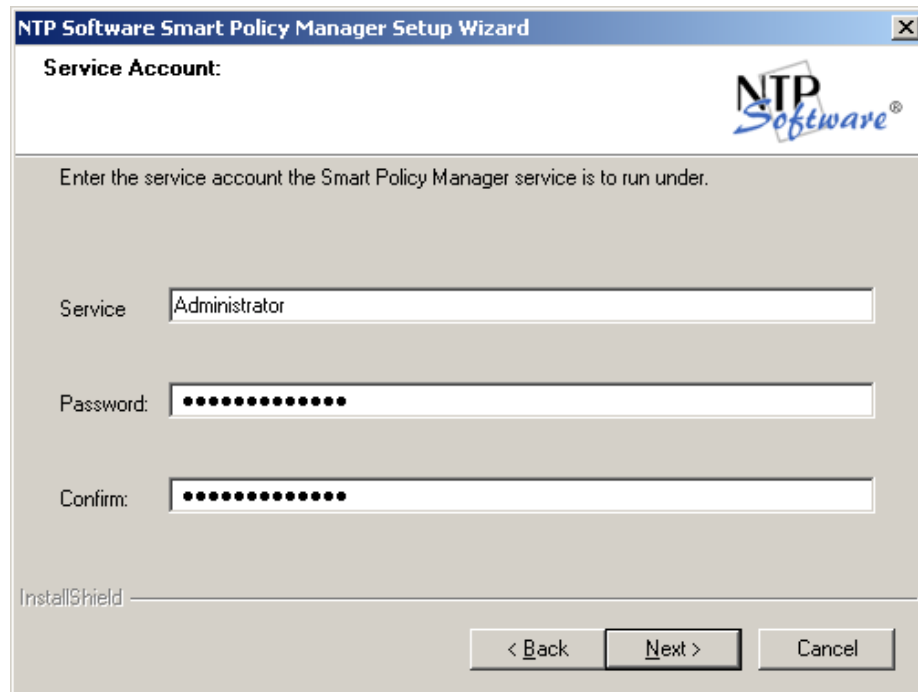
5. In the **Choose Destination Location** dialog box, click **Browse** to choose the location where you want to install DefendX Software Smart Policy Manager and then click **Next**.



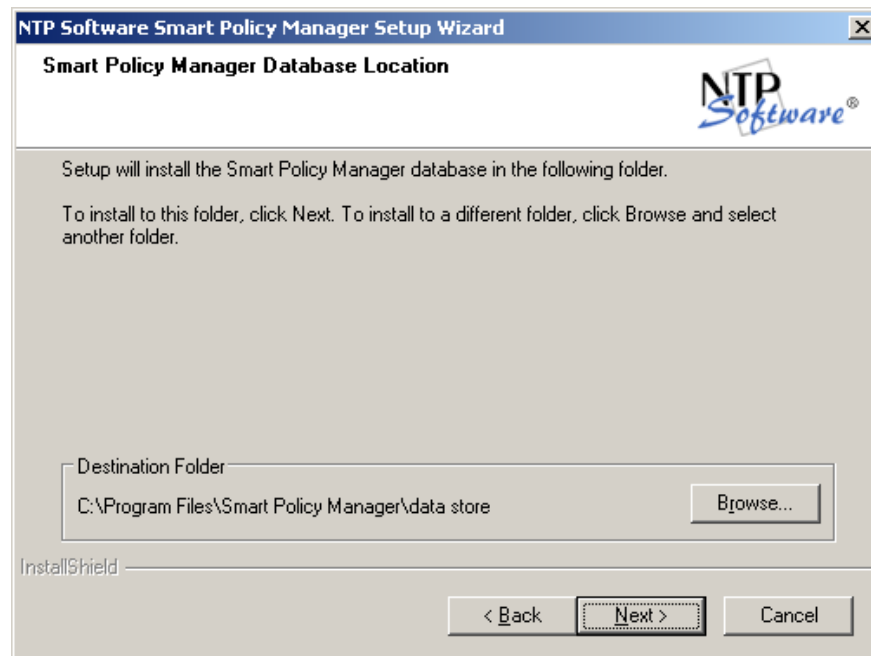
6. In the **Select Features** dialog box, select the components you want to install and then click **Next**.



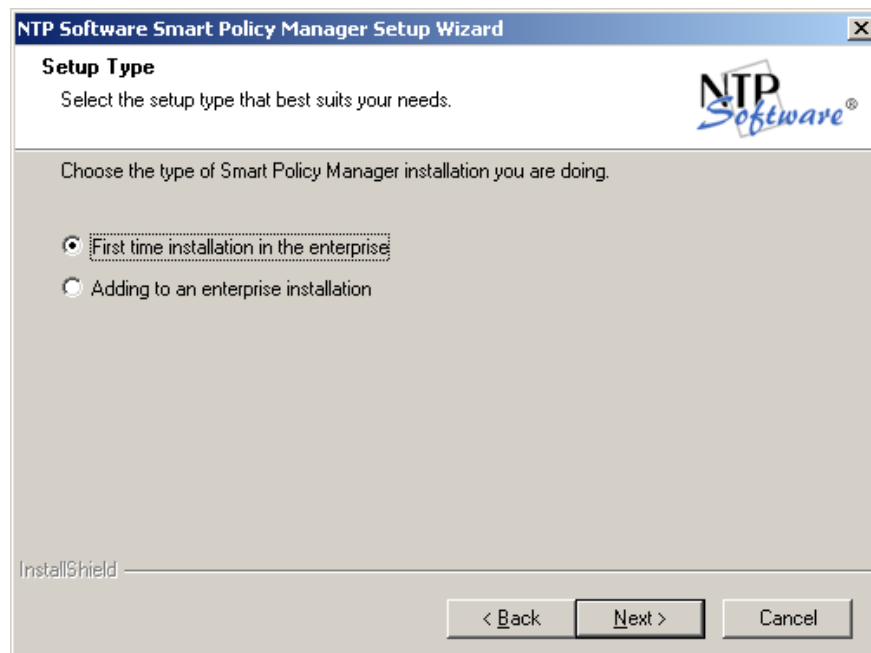
7. In the **Service Account** dialog box, when prompted for a Windows domain user account to run the DefendX Software Smart Policy Manager service, enter the username and password for a domain user account with administrative rights on the local machine. Click **Next**.



8. In the **Smart Policy Manager Database Location** dialog box, enter the directory name where you want to install the DefendX Software Smart Policy Manager database or just accept the default location. Click **Next**.



9. In the **Setup Type** dialog box, select the DefendX Software Smart Policy Manager installation type for your environment. If installing to a new environment with no prior DefendX Software Smart Policy Manager installations, click **Next**. If installing in an environment in which DefendX Software Smart Policy Manager is already running, choose **Adding to an enterprise installation** and click **Next**.



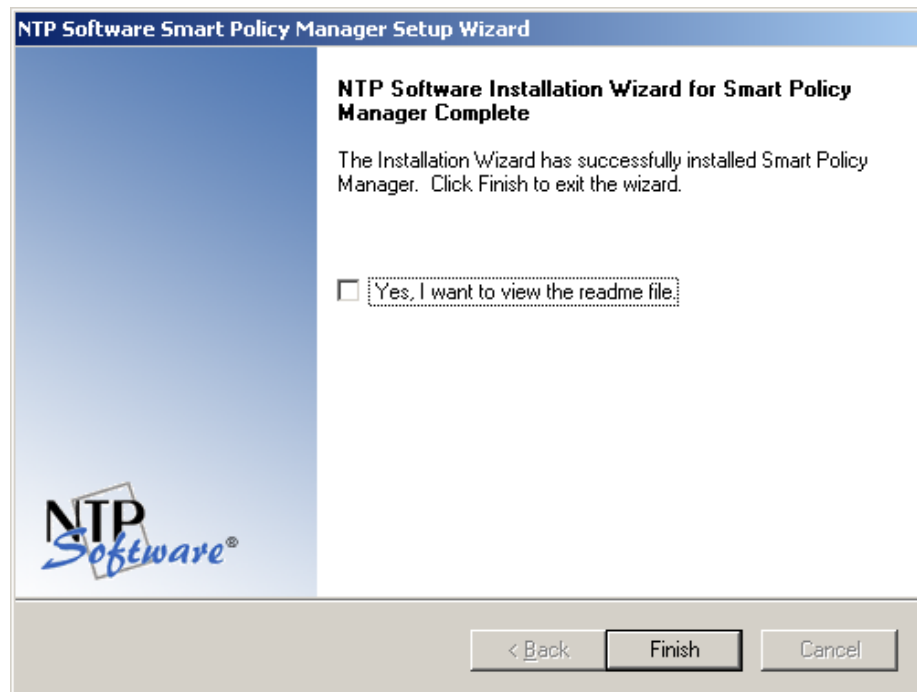
10. In the **Smart Policy Manager Initial Setup Parameters** dialog box, provide DefendX Software Smart Policy Manager with a name for your organization and a location name for this DefendX Software Smart Policy Manager instance, or accept the default settings. Click **Next**.

The screenshot shows a Windows-style dialog box titled "NTP Software Smart Policy Manager Setup Wizard". The main heading is "Smart Policy Manager Initial Setup Parameters". Below the heading is the NTP Software logo. The instruction text says "Enter the initial organization and location names." There are two text input fields: "Organization:" with the text "My Organization" and "Location:" with the text "My Site". At the bottom left is the "InstallShield" logo. At the bottom right are three buttons: "< Back", "Next >", and "Cancel".

11. In the **Start Copying Files** dialog box, review your configuration information. Click **Back** to make any changes; otherwise, click **Next** to begin copying the files.

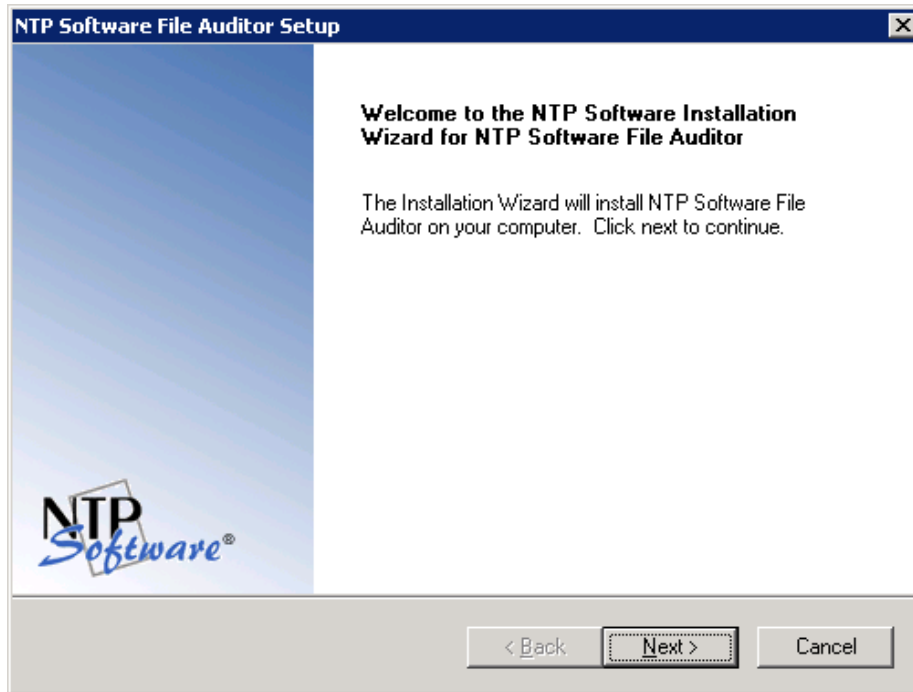
The screenshot shows a Windows-style dialog box titled "NTP Software Smart Policy Manager Setup Wizard". The main heading is "Start Copying Files". Below the heading is the NTP Software logo. The instruction text says "Review settings before copying files." Below this is a paragraph: "Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files." Under the heading "Current Settings:", there is a list box containing the following text: "Destination Path: C:\Program Files\Smart Policy Manager", "Smart Policy Manager database directory: C:\Program Files\Smart Policy Manager\data store", and "Components to install: Smart Policy Manager Service, Smart Policy Manager Administration Tool". At the bottom left is the "InstallShield" logo. At the bottom right are three buttons: "< Back", "Next >", and "Cancel".

12. If you do not want to view the DefendX Software Smart Policy Manager readme file, clear the **Yes, I want to view the readme file** checkbox. When you click **Finish**, the DefendX Software Control-Audit for Windows Installer opens.

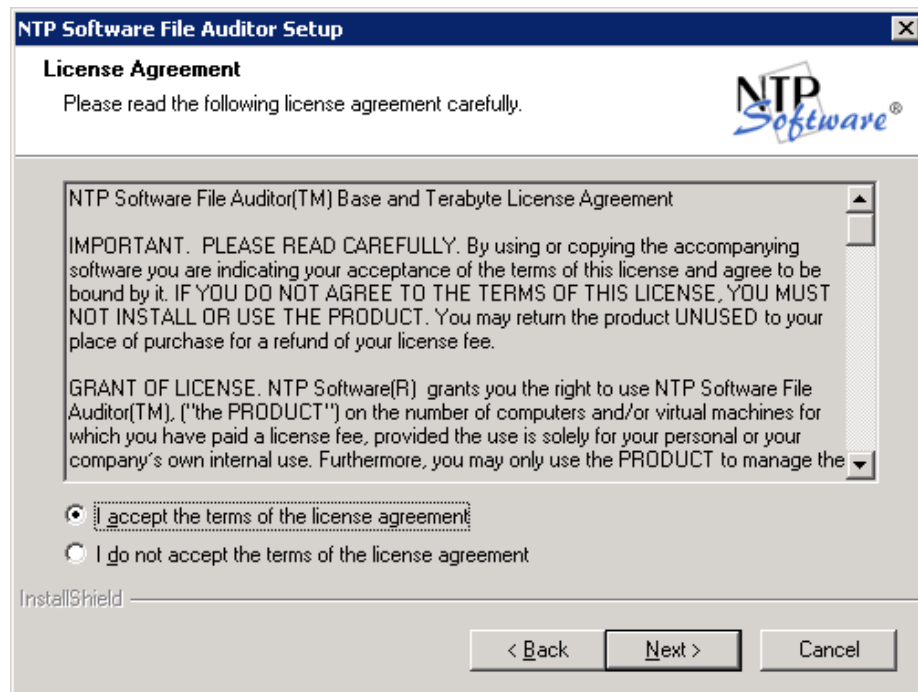


Installing DefendX Software Control-Audit for Windows Edition

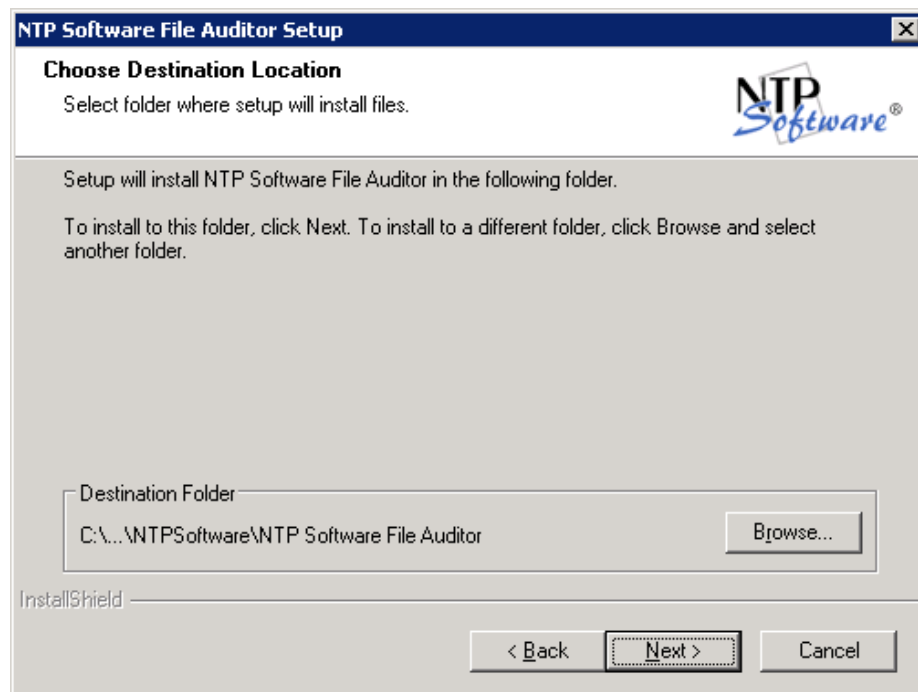
1. When the DefendX Software Control-Audit for Windows Installation Wizard opens, click **Next** to begin the installation.



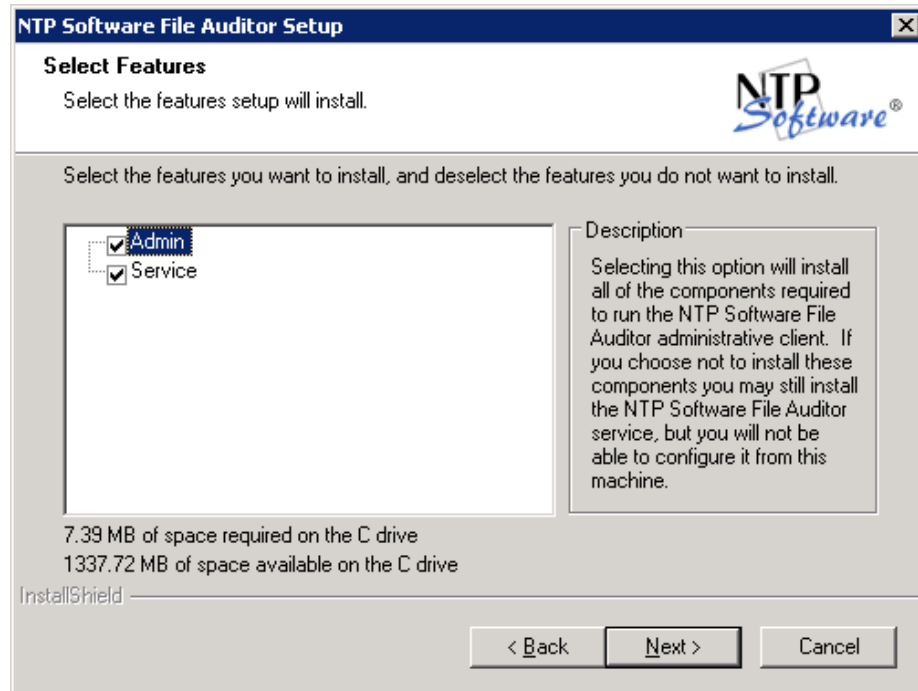
2. In the **License Agreement** dialog box, read the end-user license agreement. If you agree to the terms, click **I accept the terms of the license agreement** and then click **Next**. If you do not accept the terms, click **Cancel** to exit the installation.



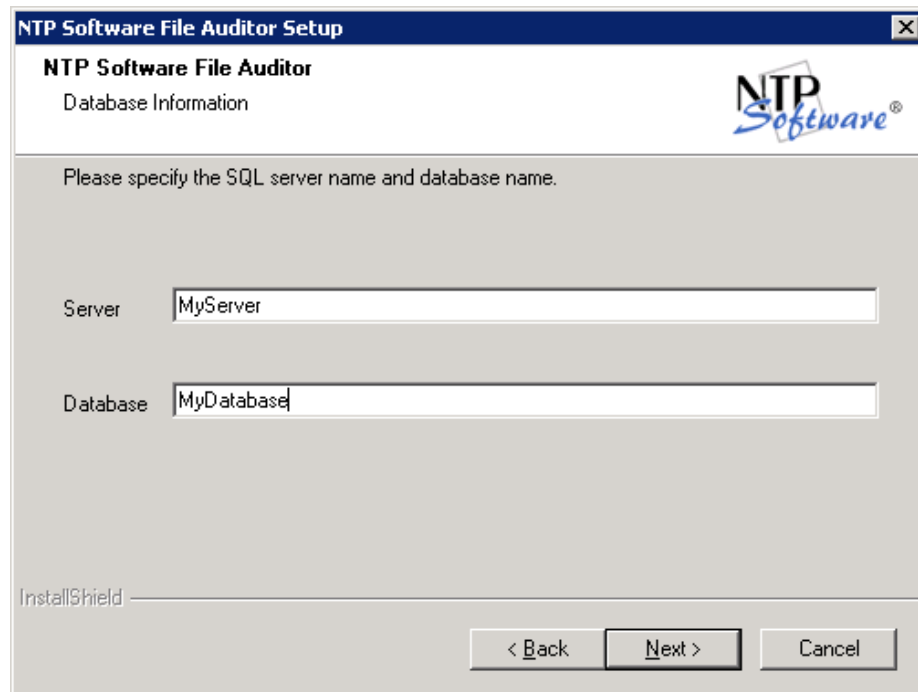
3. In the **Choose Destination Location** dialog box, choose the location where you want to install DefendX Software Control-Audit and then click **Next**.



4. In the **Select Features** dialog box, select the components to be installed on the local machine. The **Admin** component allows administration of the DefendX Software Control-Audit service.



5. In the **DefendX Software Control-Audit** dialog box, provide your SQL Server name and your database name.



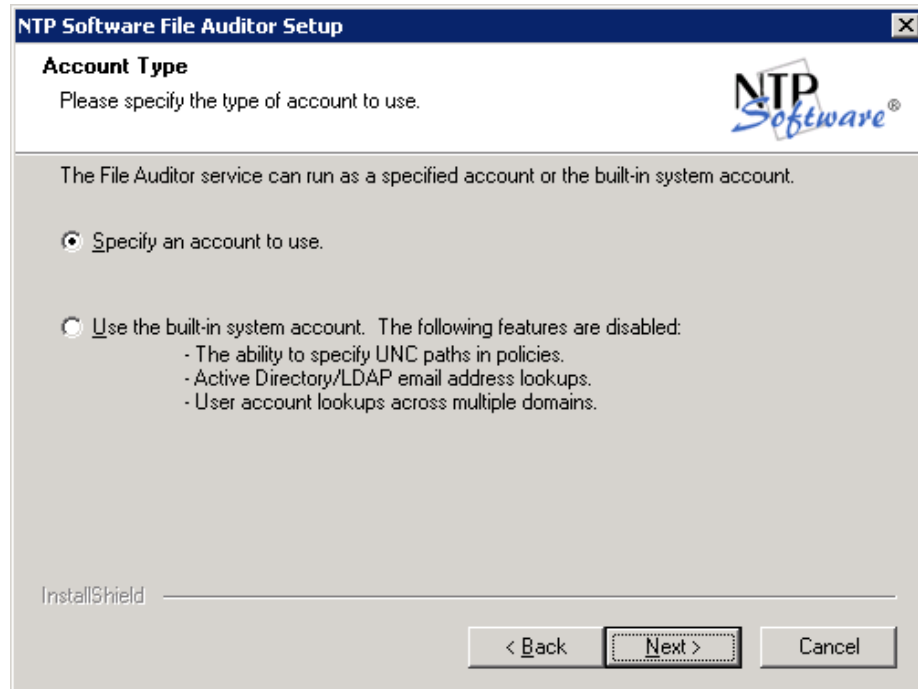
6. In the **DefendX Software Control-Audit** dialog box, check the **Create database and tables** option if you want Control-Audit to create them for you, then specify the security setting to be used to connect to the SQL Server for database and tables creation.

The screenshot shows the 'NTP Software File Auditor Setup' dialog box with the 'Database Authentication Information' tab selected. The title bar reads 'NTP Software File Auditor Setup'. The main title is 'NTP Software File Auditor' and the subtitle is 'Database Authentication Information'. The NTP Software logo is in the top right. The text says 'Please specify the security settings for connecting to sql server to create the database and tables.' There are two radio buttons: 'Create database and tables' (checked), 'Integrated Security', and 'SQL Security'. Below these are three text boxes labeled 'User Name', 'Password', and 'Confirm'. At the bottom are three buttons: '< Back', 'Next >', and 'Cancel'.

7. In the **User Information** dialog box, provide your company name and the serial number for DefendX Software Control-Audit. Click **Next**.

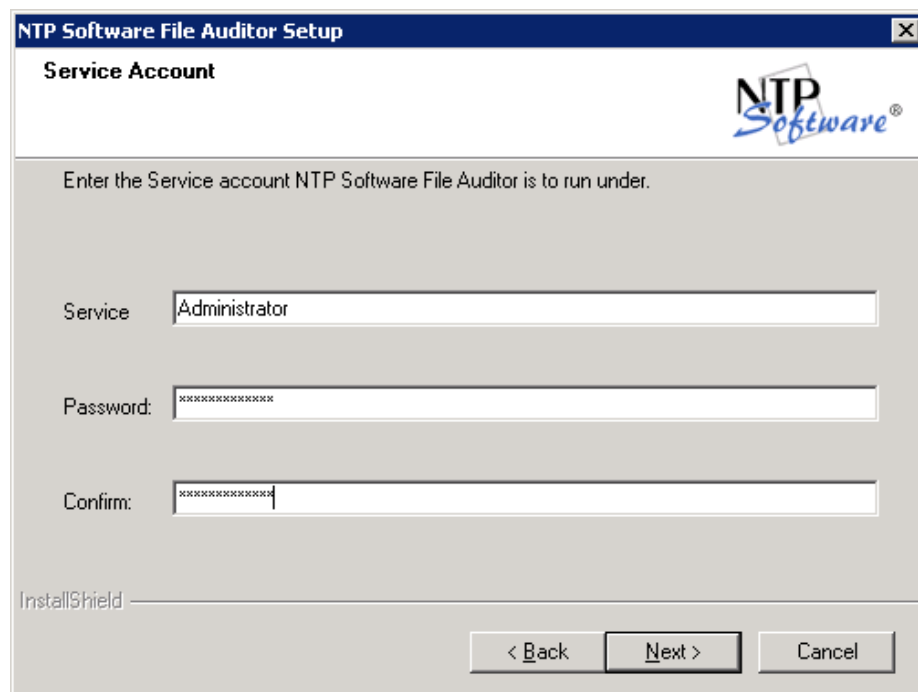
The screenshot shows the 'NTP Software File Auditor Setup' dialog box with the 'User Information' tab selected. The title bar reads 'NTP Software File Auditor Setup'. The main title is 'User Information' and the subtitle is 'Enter your registration information.' The NTP Software logo is in the top right. The text says 'Please enter the name of the company for whom you work and select whether you want to install an evaluation version or the production version.' There is a text box labeled 'Company Name:' containing 'MyCompany'. Below it are two radio buttons: 'Install Evaluation Version' and 'Install Production Version' (checked). Below these is a text box labeled 'File Auditor Serial Number:' containing 'SERIAL NUMBER'. At the bottom left is the 'InstallShield' logo. At the bottom are three buttons: '< Back', 'Next >', and 'Cancel'.

8. In the **Account Type** dialog box, specify the account type to be used. Click **Next**.



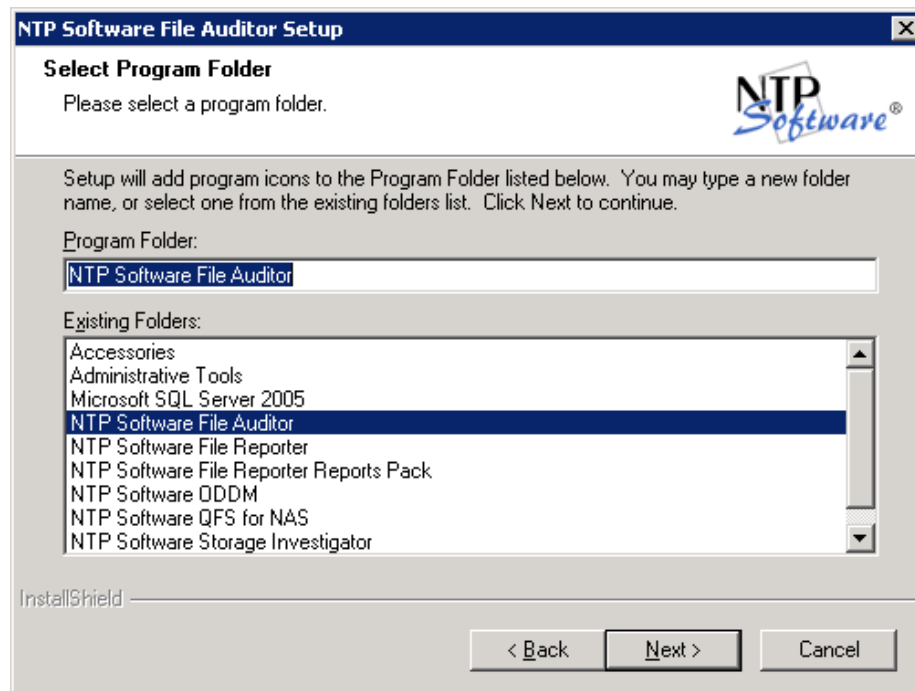
The dialog box is titled "NTP Software File Auditor Setup" and "Account Type". It contains the text "Please specify the type of account to use." and the NTP Software logo. Below this, it states "The File Auditor service can run as a specified account or the built-in system account." There are two radio button options: "Specify an account to use." (which is selected) and "Use the built-in system account. The following features are disabled: - The ability to specify UNC paths in policies. - Active Directory/LDAP email address lookups. - User account lookups across multiple domains." At the bottom, there is an "InstallShield" progress bar and three buttons: "< Back", "Next >" (which is highlighted), and "Cancel".

9. In the **Service Account** dialog box, when specifying an account, enter a username with local administrative privileges. This account will be used to log on to and monitor file operations. Click **Next**.

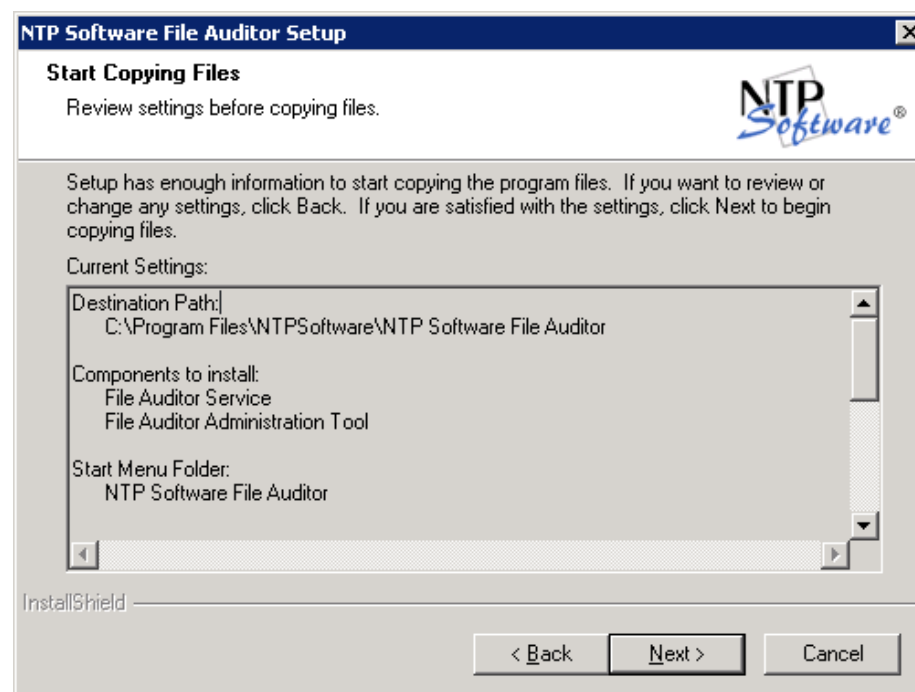


The dialog box is titled "NTP Software File Auditor Setup" and "Service Account". It contains the text "Enter the Service account NTP Software File Auditor is to run under." and the NTP Software logo. Below this, there are three text input fields: "Service" (containing "Administrator"), "Password:" (containing "xxxxxxxxxx"), and "Confirm:" (containing "xxxxxxxxxx"). At the bottom, there is an "InstallShield" progress bar and three buttons: "< Back", "Next >" (which is highlighted), and "Cancel".

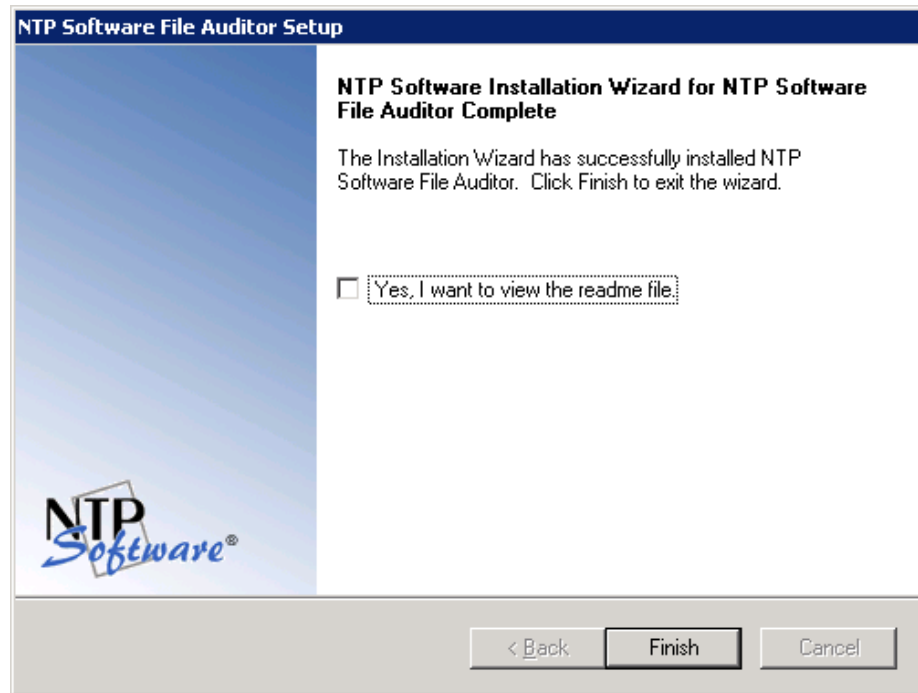
10. In the **Select Program Folder** dialog box, select the program folder to host the DefendX Software Control-Audit for Windows startup group. Click **Next**.



11. In the **Start Copying Files** dialog box, review your components. Click **Back** to make any changes; otherwise, click **Next** to begin copying the files.



12. If you do not want to view the DefendX Software Control-Audit for Windows readme file, clear the **Yes, I want to view the readme file** checkbox. Then click **Finish**.

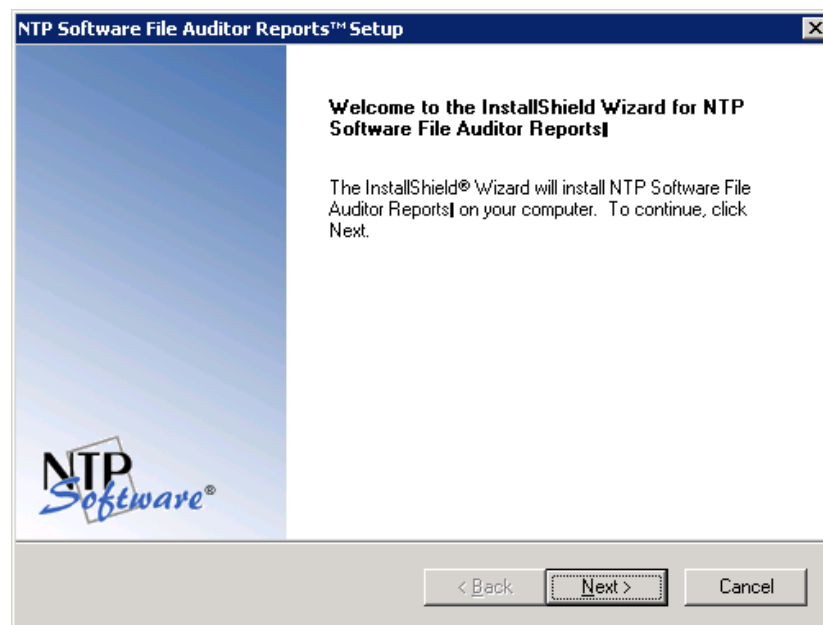


Installing DefendX Software Control-Audit Reports

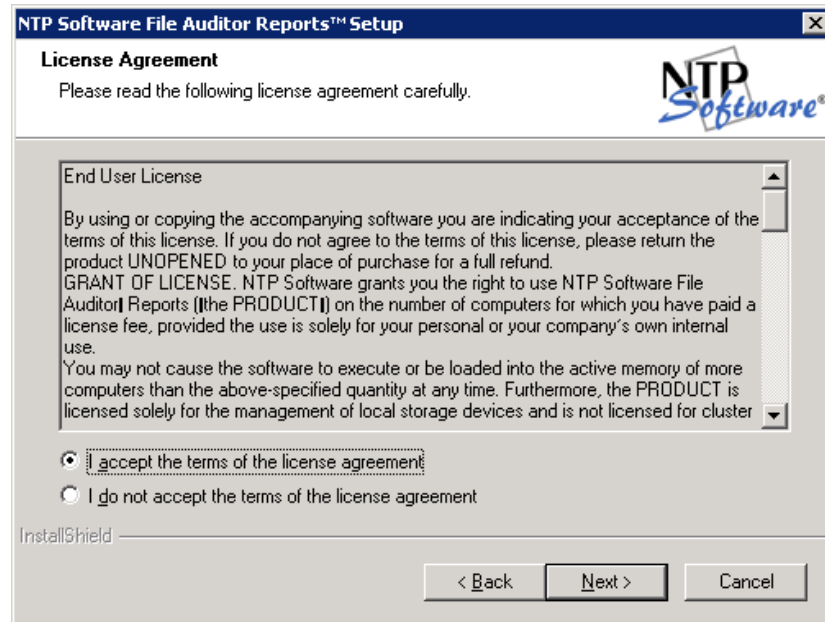
1. When the DefendX Software Control-Audit Reports Wizard opens, click **Next** to begin the installation.

NOTE: The user installing the Control-Audit Reports must be assigned the Content Management role. To assign a user the Content Management role, perform the following steps:

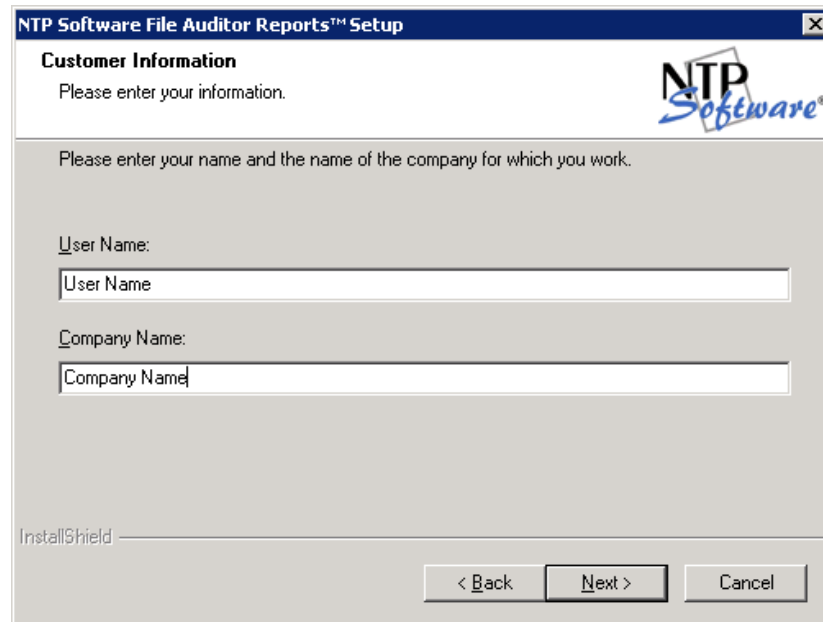
- a. Open the SQL Server Reporting Services URL on the host machine example: [http:// [SQLReportingHostMachine]/Reports].
- b. Navigate to the **Properties** tab.
- c. Navigate to the **Security** tab.
- d. Create a new Role by clicking **New Role Assignment** or edit an already existing Group or User.



2. In the **License Agreement** dialog box, read the end-user license agreement. If you agree to the terms, click **I accept the terms of the license agreement** and then click **Next**. If you do not accept the terms, click **Cancel** to exit the installation.

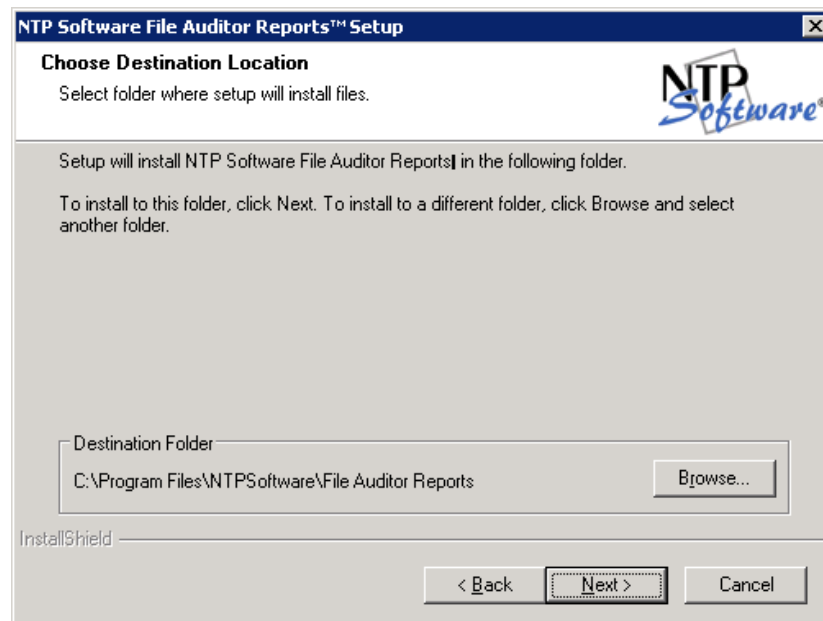


3. In the **Customer Information** dialog box, provide your user name and the company name. Click **Next**.



The dialog box is titled "NTP Software File Auditor Reports™ Setup" and has a sub-header "Customer Information". It contains the text "Please enter your information." and the NTP Software logo. Below this, it says "Please enter your name and the name of the company for which you work." There are two text input fields: "User Name" and "Company Name". At the bottom left is the "InstallShield" logo, and at the bottom right are three buttons: "< Back", "Next >", and "Cancel".

4. In the **Choose Destination Location** dialog box, choose the location where you want to install DefendX Software Control-Audit Reports and then click **Next**.



The dialog box is titled "NTP Software File Auditor Reports™ Setup" and has a sub-header "Choose Destination Location". It contains the text "Select folder where setup will install files." and the NTP Software logo. Below this, it says "Setup will install NTP Software File Auditor Reports in the following folder." and "To install to this folder, click Next. To install to a different folder, click Browse and select another folder." There is a text input field for the "Destination Folder" with the path "C:\Program Files\NTPSoftware\File Auditor Reports" and a "Browse..." button next to it. At the bottom left is the "InstallShield" logo, and at the bottom right are three buttons: "< Back", "Next >", and "Cancel".

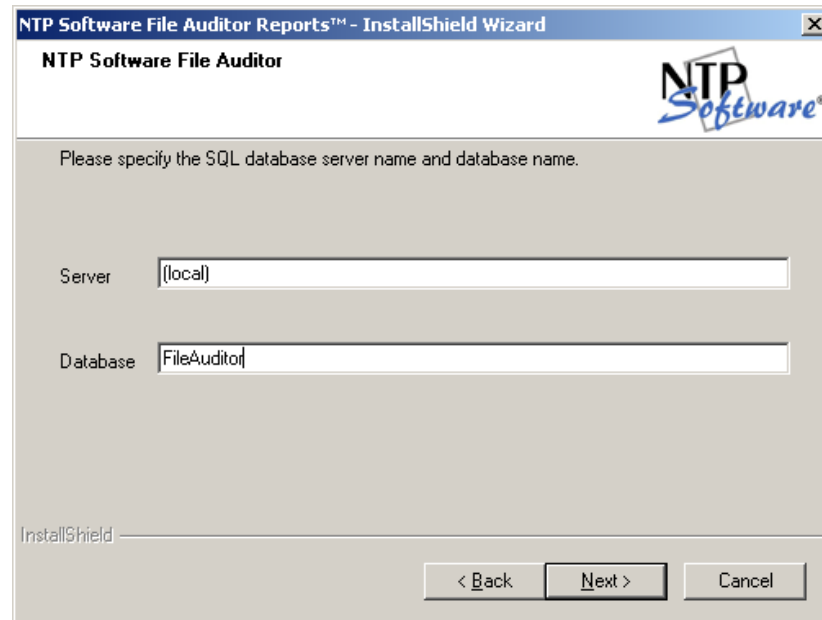
5. In the **Choose Application Virtual Directory** dialog box, specify the URL of the reporting service and the destination folder. Click **Next**.

The screenshot shows a Windows-style dialog box titled "NTP Software File Auditor Reports™ Setup". The subtitle is "Choose the application's virtual directory". In the top right corner is the NTP Software logo. Below the subtitle, there is instructional text: "Please specify the url of the reporting service and the destination folder. Note: The windows logged in user has to have the System Administrator and Content Manager Roles over the Reporting Server." There are two text input fields: "Url" with the value "http://localhost/ReportServer" and "Folder" with the value "NTP Software File Auditor Reports". At the bottom left, it says "InstallShield". At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

6. In the **Choose Virtual Directory Name** dialog box, specify the web application virtual directory. Click **Next**.

The screenshot shows a Windows-style dialog box titled "NTP Software File Auditor Reports™ Setup". The subtitle is "Choose the virtual directory's name". In the top right corner is the NTP Software logo. Below the subtitle, there is instructional text: "Please specify the virtual directory of the web application that will be used to display the reports." There is one text input field labeled "Directory" with the value "FileAuditorReportViewer". At the bottom left, it says "InstallShield". At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

7. In the **DefendX Software Control-Audit** dialog box, specify the SQL Server name and the database name hosted on the SQL Server. Click **Next**.



8. In the **Choose Your Connection Information** dialog box, specify the security setting to connect to the SQL Server database. Click **Next**.

NOTES:

- Control-Audit has a default user "Control-AuditReportingUser" and "Control-AuditReportingUser" as a password that you can use or change.
- If the SQL Security setting was selected, the user should have at least the db_datareader, db_datawriter, and execute permissions.
- If the Integrated Security setting was selected, the Control-Audit Reports data source will use the logged-in Windows user account to access the Database. The Windows user account must be given read access to the Control-Audit Database, or that user account must be added to a group that has read access to the Control-Audit Database.
- To change the Control-Audit Reports data source, perform the following steps:
 1. Open SQL Server Reporting Services Manager URL on the host machine [http://[SQLReportingHostMachine] /Reports].
 2. Open the [DefendX Software Control-Audit Reports](#) folder, or the reports folder specified in the installation.

3. Open **DFXPOps**.
4. Select the needed reports data source.
 - The network users who run the reports must be assigned to the browser role for Service reports. To give a user or group access to the reports, perform the following steps:
 1. Open the SQL Server Reporting Services Manager URL on the host machine [http://[SQLReportingHostMachine]/Reports].
 2. Open the [DefendX Software Control-Audit Reports](#) folder, or the reports folder specified in the installation.
 3. Open the **Properties** tab at the top, then select **Security** tab on the left.
 4. Click on **New Role Assignment**.
 5. Write the user or group name, select the **Browser** role, and then click **OK**.

NTP Software File Auditor Reports™ Setup

Choose your connection information

Please specify the security settings for connecting to sql server.

☐ Integrated Security

☒ SQL Security

User Name: FAReportingUser

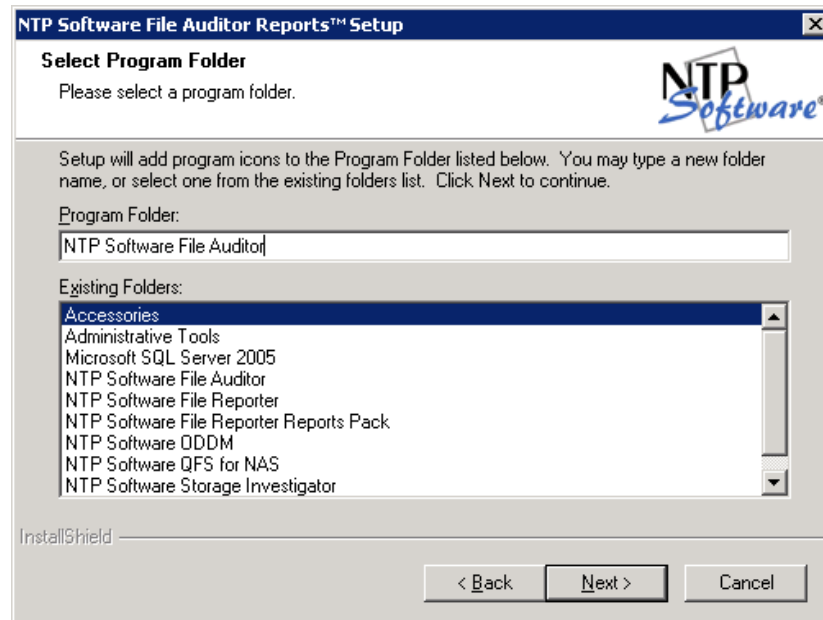
Password: [masked]

Confirm: [masked]

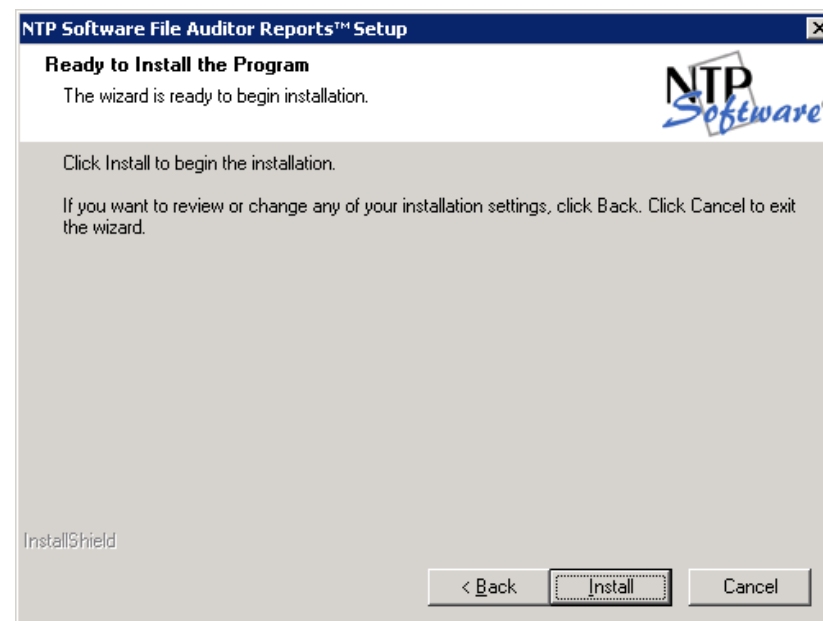
< Back Next > Cancel

9. If the **Please upgrade to SP3** dialog box is displayed, click **OK**.

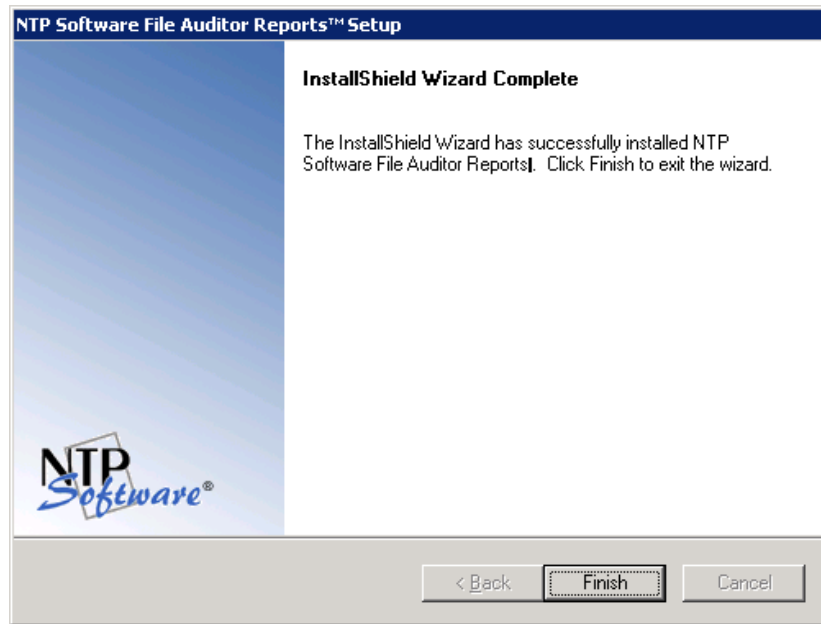
10. In the **Select Program Folder** dialog box, select the program folder to host the DefendX Software Control-Audit Reports startup group. Click **Next**.



11. In the **Ready to Install the Program** dialog box, click **Back** to make any changes; otherwise, click **Install** to begin copying the files.



12. You have successfully installed the DefendX Software Control-Audit Reports. Click **Finish**.



About DefendX Software

DefendX Software helps organizations secure their critical business files and maximize the value of their enterprise file storage resources. From comprehensive intelligence, modeling, costing and chargeback to seamless file movement, protection and archiving, DefendX provides industry-leading capabilities to eliminate waste and align the value of files with the storage resources they consume. With DefendX, important file locations and the users who access them can be monitored to provide governance, protect against theft and enforce compliance policies. For more than 20 years, DefendX Software has been helping public and private sector customers around the world save money and eliminate risk every day.

DefendX Software Professional Services

DefendX Software's Professional Services offers consulting, training, and design services to help customers with their storage management challenges. We have helped hundreds of customers to implement cost-effective solutions for managing their storage environments. Our services range from a simple assessment to in-depth financial analyses.

For further assistance in creating the most cost-effective Storage Management Infrastructure, please contact your DefendX Software Representative at 800-390-6937.

Legal & Contact Information

The information contained in this document is believed to be accurate as of the date of publication. Because DefendX Software must constantly respond to changing market conditions, what is here should not be interpreted as a commitment on the part of DefendX Software, and DefendX Software cannot guarantee the accuracy of any information presented after the date of publication.

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