



DefendX Software Control-QFS® for Hitachi® Installation Guide Version 8.6

This guide details the method for the installation and initial configuration of DefendX Software Control-QFS® for NAS, Hitachi Edition, from an administrator's perspective. Upon completion of the steps within this document, DefendX Software Control-QFS for NAS, Hitachi Edition will be installed within your enterprise community. This Installation Guide applies to all DefendX Software Control-QFS for NAS, Hitachi editions.



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Executive Summary

Thank you for your interest in DefendX Software Control-QFS® for NAS, Hitachi Edition. DefendX Software Control-QFS controls storage for millions of users worldwide. DefendX Software Control-QFS for NAS, Hitachi Edition extends our best-of-breed technology to include the Hitachi family of products, allowing you to manage Windows® and NAS-hosted storage as a seamless whole.

Given the architecture of your Hitachi NAS Server, DefendX Software Control-QFS for NAS, Hitachi Edition does its job remotely. Part of DefendX Software Control-QFS Family of Products, DefendX Software Control-QFS for NAS, Hitachi Edition uses a connector service to create a bridge and include Hitachi NAS Servers as full participants in storage environments controlled by DefendX Software Control-QFS. In light of this fact, you will need to install the Hitachi connector on one of the Windows Server® 2008, Windows Server® 2008 R2, Windows Server® 2012, or Windows Server® 2016 machines in your environment. This may be an existing server, a workstation, or a standalone system.

To be managed by DefendX Software Control-QFS, the NOS operating system is required on the Hitachi NAS Server. DefendX Software Control-QFS for NAS, Hitachi Edition can be used to manage Hitachi NAS Servers and clusters, or any combination of these systems. DefendX Software Control-QFS imposes no restrictions on how you organize or manage your storage. You can impose policies on individual directories, users, and/or groups of users..

NOTE: If you want to use email-based messaging and notifications, access to an email server is required.

To install DefendX Software Control-QFS on Windows, logging on with administrator rights is needed. You will be installing three different services: the DefendX Software Smart Policy Manager™ service, the DefendX Software Control-QFS service, and the DefendX Software Control-QFS Hitachi Connector service.

The DefendX Software Smart Policy Manager service should be installed with a domain user account as its service account so that it can communicate with your mail system and other storage servers with which it may share policies. The DefendX Software Control-QFS service requires a domain user account with local administrative rights on the Hitachi NAS Server. The Hitachi NAS Connector service uses this account as well.

Your hardware should be appropriate for the services running on each machine. The connector itself and DefendX Software Control-QFS for NAS, Hitachi Edition impose almost no load on either machine.

Preparing the Hitachi NAS Server

To prepare the Hitachi NAS Server, the following must be taken into consideration:

1. For each EVS (Virtual Server), which is managed by DefendX Software Control-QFS, at least one CIFS server name must be created and must join the same domain as the Control-QFS machine.
2. The logon account used to register with the Hitachi NAS Server (the account that will be assigned to the DefendX Software Control-QFS service) needs to be a member of the Hitachi NAS Server's local group Backup Operators, which can be added from the Hitachi NAS Server Command Line Interface (CLI) using the following command:

```
localgroup add "Backup Operators" <FQDomainName\AccountName>
```

3. The File-Filtering feature must be enabled in the EVS. To enable the File-Filtering feature, use the following command:

```
fsm set allow-ntp-file-filtering true
```

NOTE: You need to turn on File-Filtering in all EVSs you manage by DefendX Software Control-QFS. In order to do that use the following command to select a service EVS before executing the above command:

```
console-context --evs <id>  where <id> represents your EVS id
```

IMPORTANT: There is one more command required to turn on the file filtering feature of the Hitachi NAS. This last command must be performed after DefendX Software Control-QFS is fully installed. You will find this command at the end of this installation guide.

Preparing the Control-QFS Windows Machine

To prepare the Control-QFS Machine, you need to add HOSTS and LMHOSTS file entries that include the IP address and the CIFS server name of the EVS. If the EVS has multiple IP addresses, the IP of the dedicated network should be used.

NOTE: If DefendX Software Control-QFS is installed on an environment that has 'DefendX Software FA with Proxy Service' installed, the registry value named "**ProxyServer**" in the registry key named "**HKEY_LOCAL_MACHINE\SOFTWARE\NTPSoftware\BCS**" on the Control-QFS machine must be set to the machine name on which 'FA with Proxy Service' is installed. This allows DefendX Software Control-QFS and 'FA with Proxy Service' to work properly on the same environment.

Requirements

DefendX Software Control-QFS components must meet the following minimum requirements.

DefendX Software Control-QFS for NAS, Hitachi Edition Server Requirements

DefendX Software Control-QFS for NAS is installed on a server in your environment. The hardware components of this server 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:

Hardware Specification

The following hardware components are the minimum requirements to support DefendX Software Control-QFS for NAS, Hitachi Edition. If the DefendX Software Control-QFS for NAS server is also hosting antivirus or other programs, the requirements may be greater than those in the following lists:

- 1 GHz CPU
- 1 GB RAM
- 150 MB free disk space
- Network interface card

Software Specification

- Windows Server® 2008 64-bit or later
- WoW 64

Hitachi NAS Server Requirements

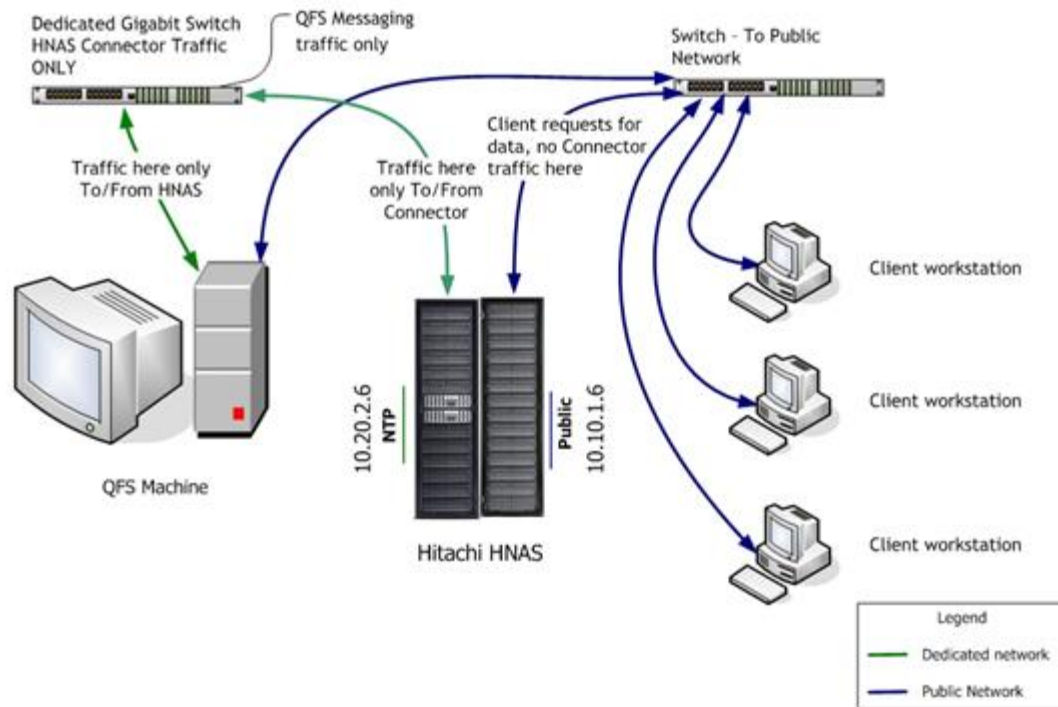
The Hitachi NAS Server to which DefendX Software Control-QFS for NAS, Hitachi Edition will be connected requires the following:

- NOS operating system version 6.1.1684.18 or later, but if Control-QFS is installed on a Windows Server® 2008 machine or newer, then the NOS version must be 7.0.2010.00 or newer.
- Network interface card

NOTE: It is strongly recommended that two network adapters be installed on both the Hitachi NAS Server and the Windows Server. The connection between the two servers should be a dedicated connection (i.e., separate from the public network connection). Using a single network adapter will greatly increase the time required to process data and may cause excessive delays in the environment.

Network Configuration

DefendX Software Control-QFS for NAS, Hitachi Edition Installation Best Practice



IMPORTANT: One network connection on the DefendX Software Control-QFS machine should be configured as a dedicated and direct connection between the Windows host and the Hitachi NAS.

DefendX Software Control-QFS for NAS, Hitachi Edition Installation

Prior to installing DefendX Software Control-QFS for NAS, Hitachi Edition, it is highly recommended to verify that the installation server meets the requirements listed in the Requirements section of this document.

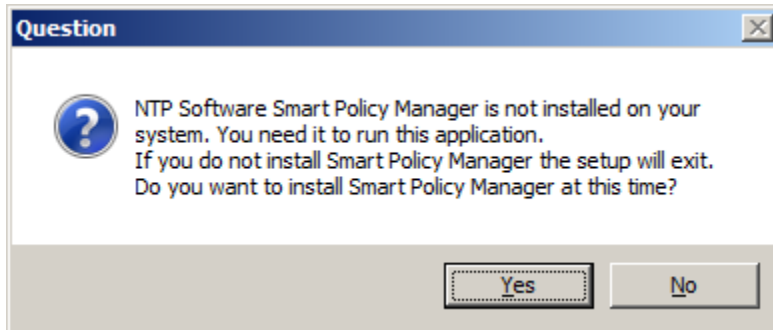
Installing DefendX Software Smart Policy Manager™

1. Log on to your server by using an account with administrator privileges.
2. Run the DefendX Software Control-QFS installer. If DefendX Software Smart Policy Manager™ is not installed, the following installer will launch automatically.

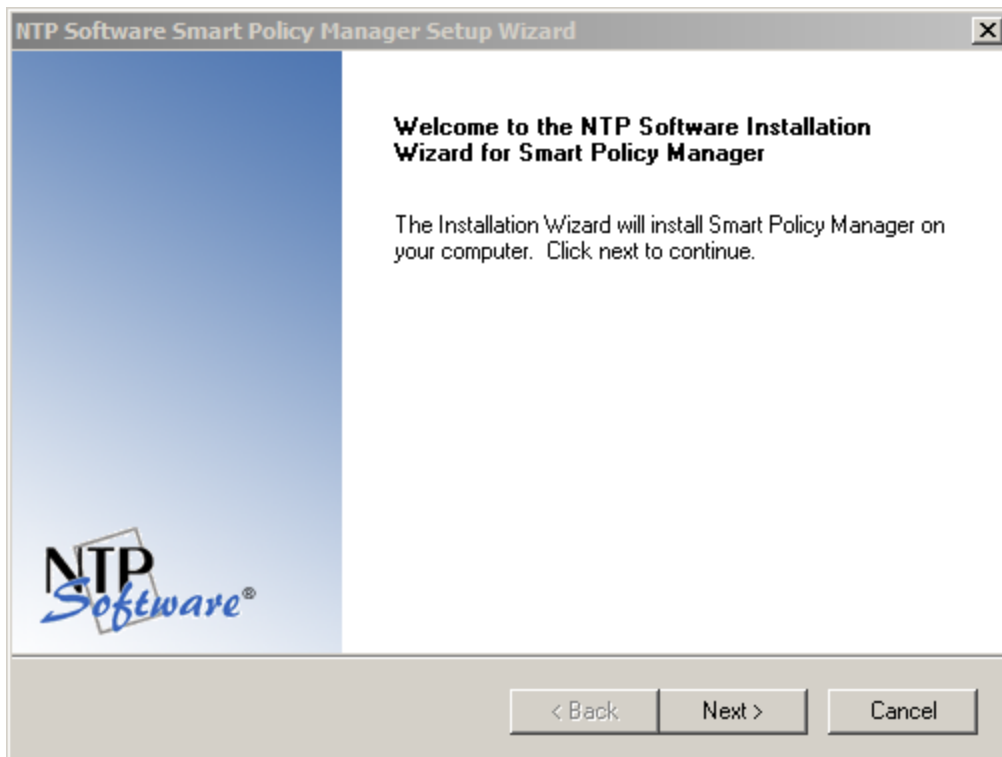


If DefendX Software Smart Policy Manager is installed, you can skip to the section on Installing DefendX Software Control-QFS for NAS, Hitachi Edition.

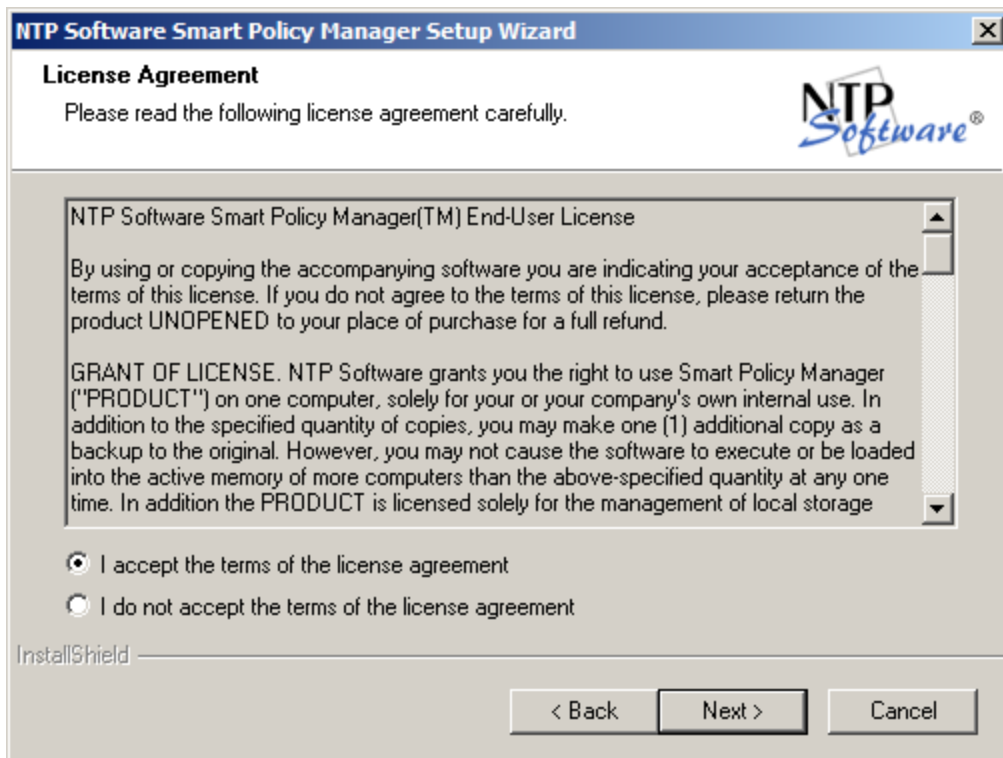
3. When prompted to install DefendX Software Smart Policy Manager, click the **Yes** button.



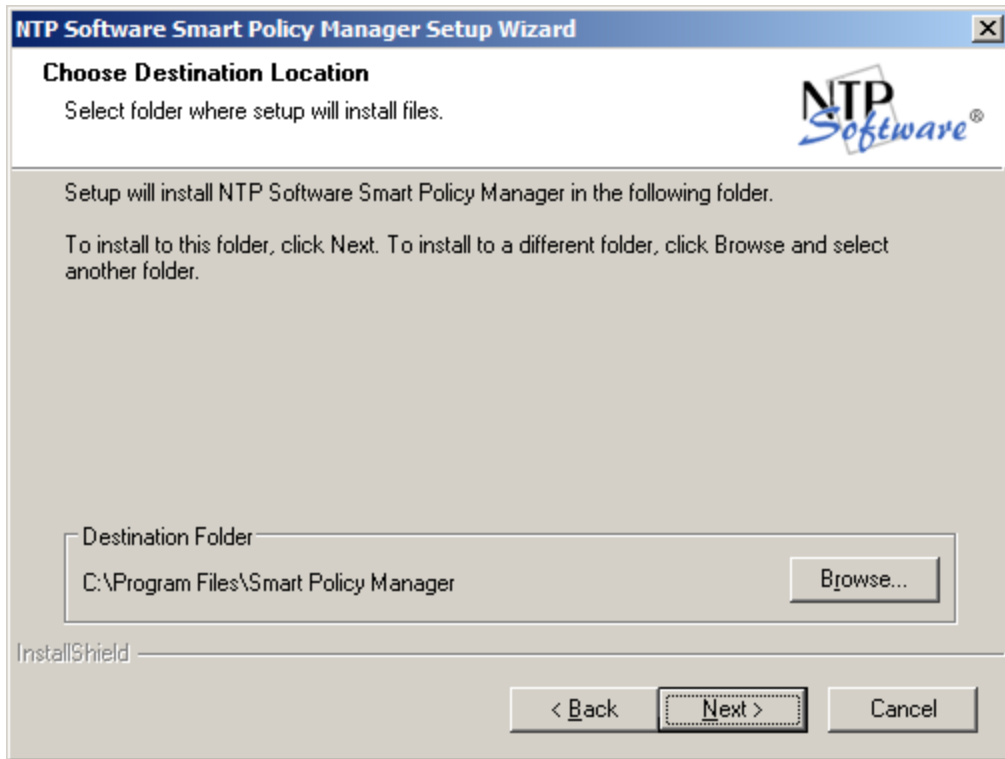
4. The **DefendX Software Smart Policy Manager Setup Wizard** opens. Click **Next** to begin the installation.



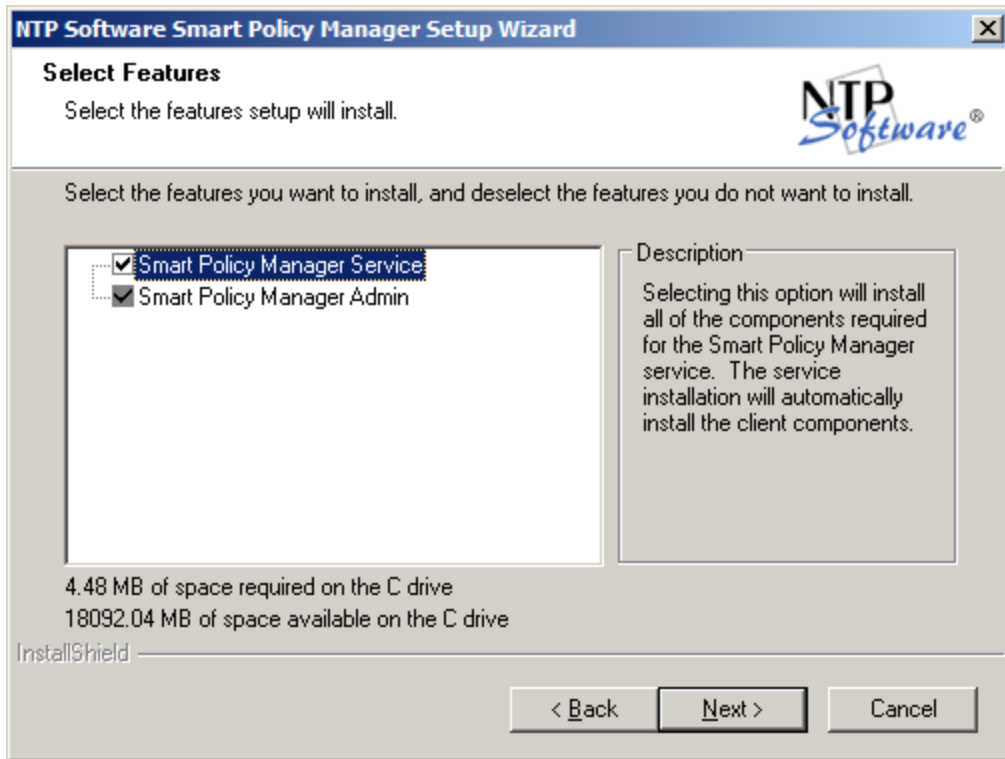
5. In the **License Agreement** dialog box, read the end-user license agreement. If you agree to the terms, click **I accept the terms of the license agreement** and then click **Next**. If you do not accept the terms, click **Cancel** to exit the installation.



6. 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**.



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

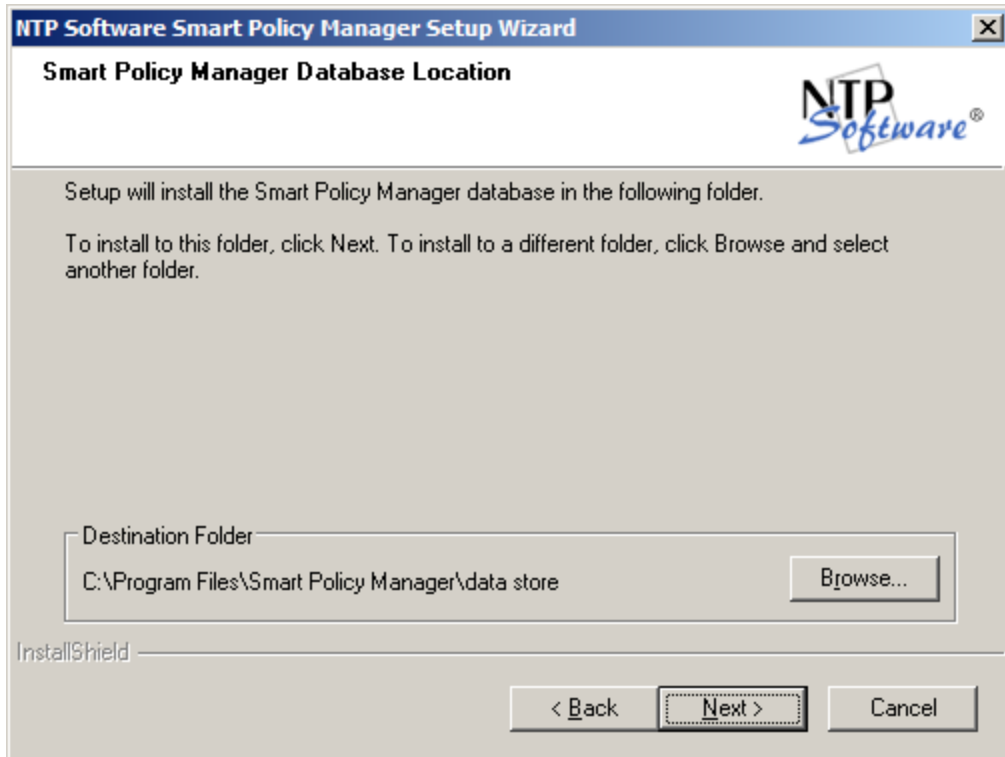


8. In the **Service Account** dialog box, when prompted for a Windows domain user account to run the DefendX Software Smart Policy Manager service, enter the username and password for a domain user account with administrative rights on the local machine. Click **Next**.

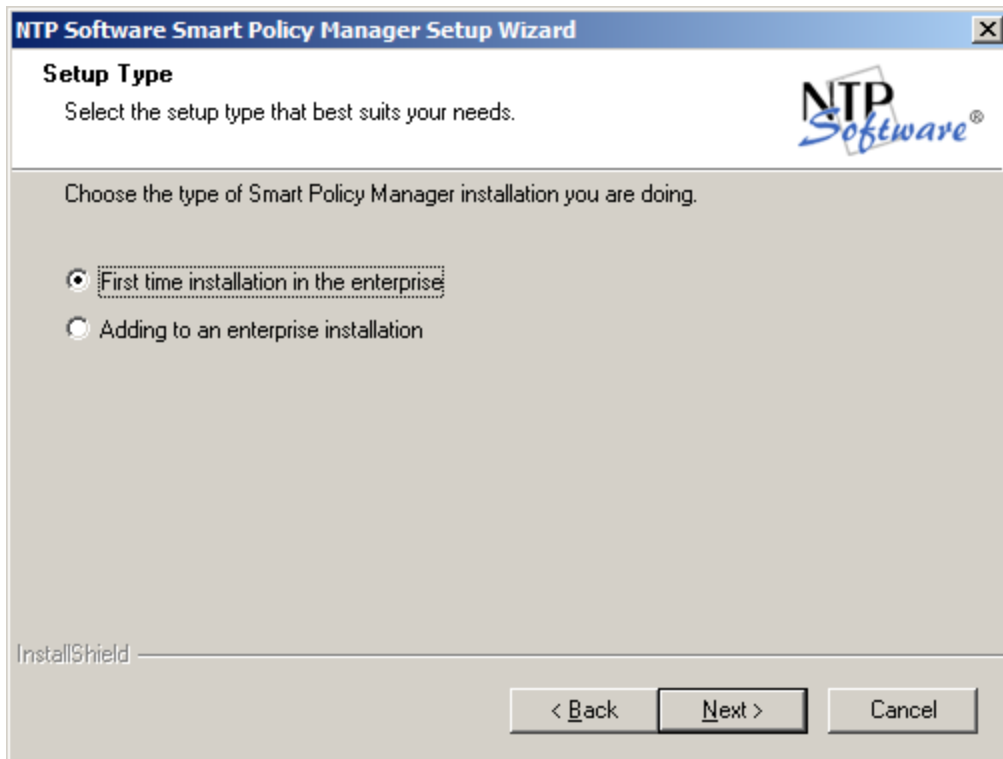


The image shows a Windows-style dialog box titled "NTP Software Smart Policy Manager Setup Wizard". The main heading is "Service Account:". In the top right corner is the "NTP Software" logo. Below the heading, a text label reads: "Enter the service account the Smart Policy Manager service is to run under." There are three input fields: "Service" with the text "Administrator", "Password:" with masked characters (dots), and "Confirm:" with masked characters (dots). At the bottom left is the "InstallShield" logo. At the bottom right are three buttons: "< Back", "Next >", and "Cancel".

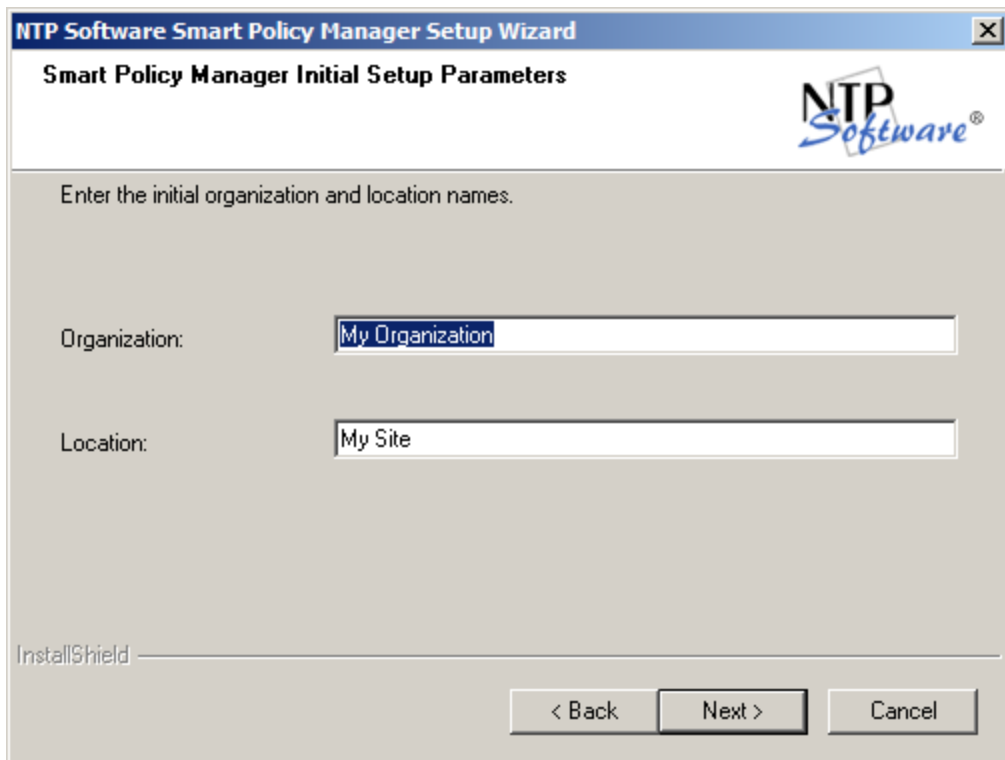
9. In the **Smart Policy Manager Database Location** dialog box, enter the directory name where you want to install the DefendX Software Smart Policy Manager database, or just accept the default location. Click **Next**.



10. 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 where DefendX Software Smart Policy Manager is already running, choose **Adding to an enterprise installation** and click **Next**.

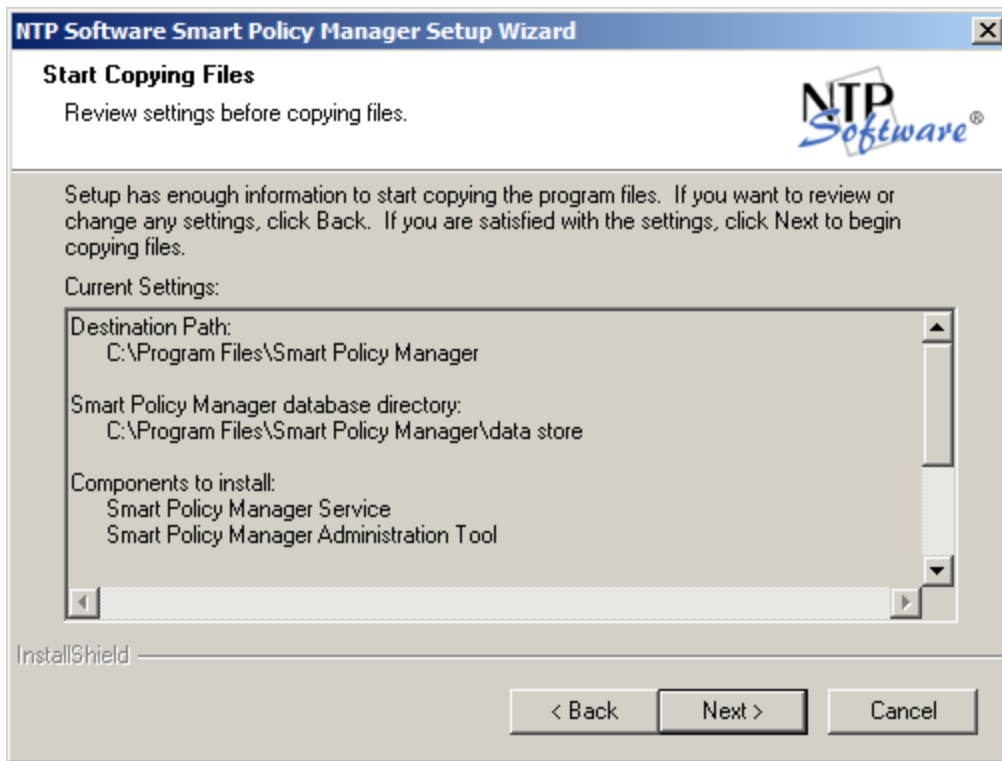


11. In the **Smart Policy Manager Initial Setup Parameters** dialog box, provide DefendX Software Smart Policy Manager with a name for your organization and a location name for this DefendX Software Smart Policy Manager instance, or accept the default settings. Click **Next**.

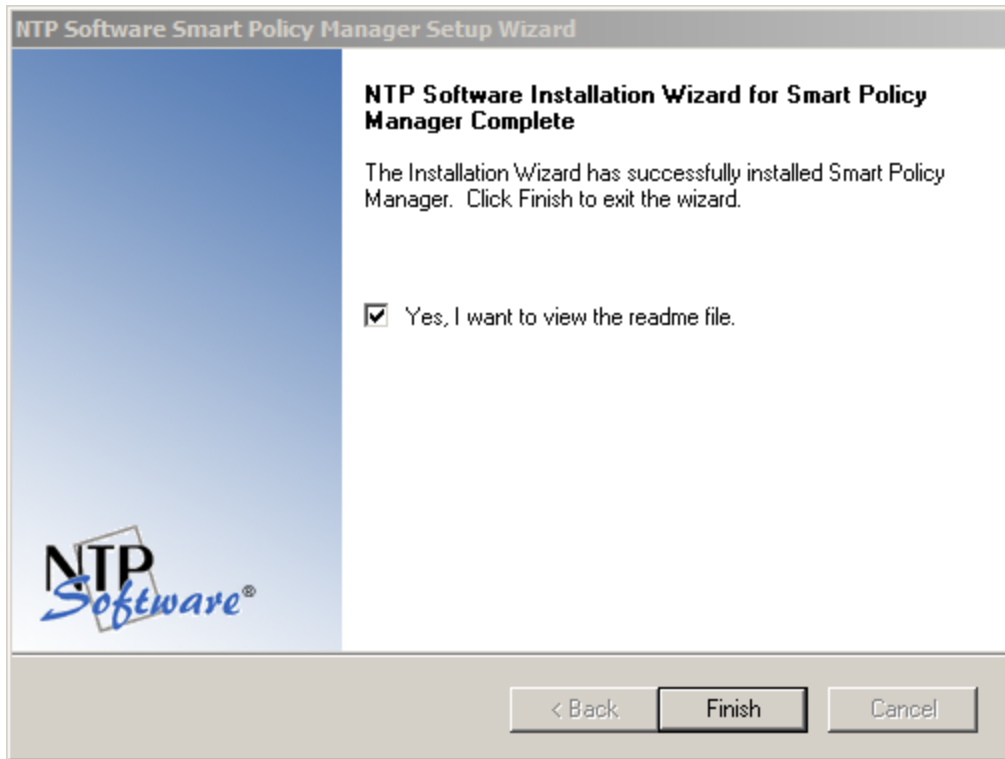


The image shows a Windows-style dialog box titled "NTP Software Smart Policy Manager Setup Wizard". The subtitle is "Smart Policy Manager Initial Setup Parameters". In the top right corner, there is a logo for "NTP Software". The main area of the dialog contains the instruction "Enter the initial organization and location names." Below this, there are two text input fields. The first is labeled "Organization:" and contains the text "My Organization". The second is labeled "Location:" and contains the text "My Site". At the bottom left, the text "InstallShield" is visible. At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

12. 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.



13. If you want to view the DefendX Software Smart Policy Manager readme file, check the **Yes, I want to view the readme file** checkbox, and then click **Finish**.



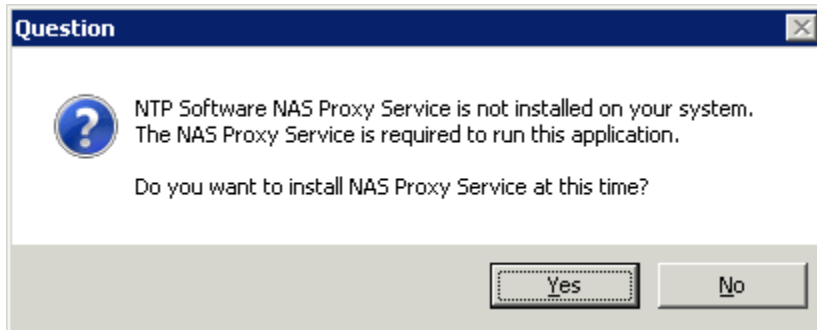
Installing DefendX Software NAS Proxy Service™

1. Log on to your server by using an account with administrator privileges.
2. Run the DefendX Software Control-QFS installer. If DefendX Software NAS Proxy Service™ is not installed, the following installer will launch automatically.

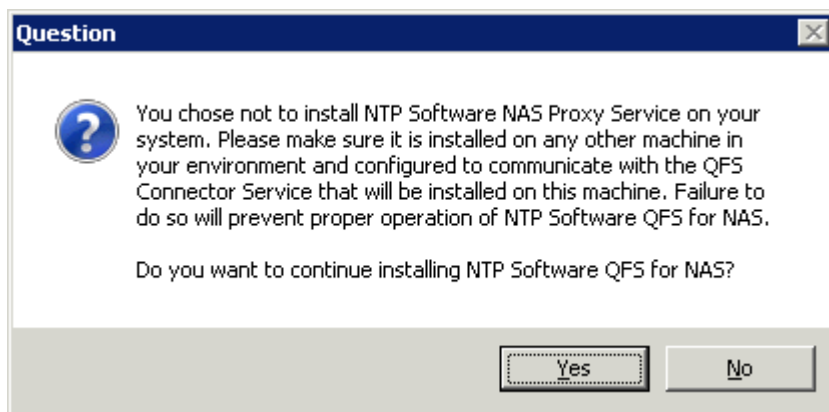


If DefendX Software NAS Proxy Service is installed, you can skip to the section on Installing DefendX Software Control-QFS for NAS, Hitachi Edition.

3. When prompted to install DefendX Software NAS Proxy Service, click the **Yes** button.

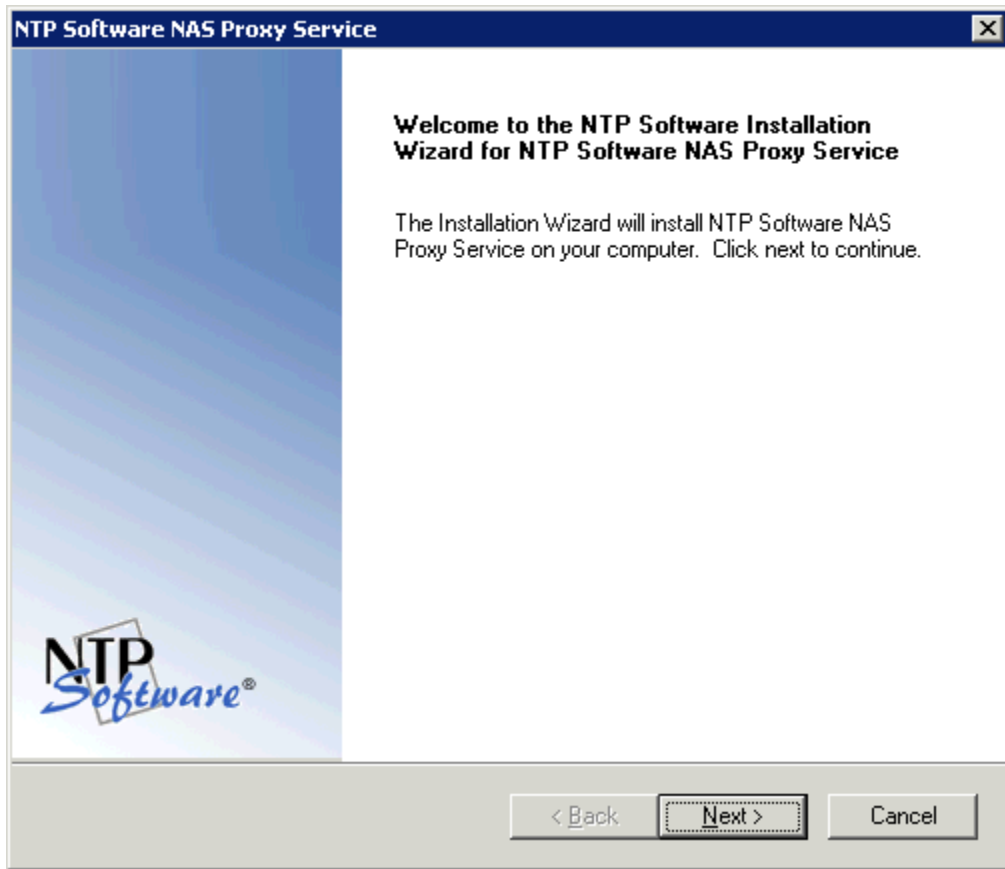


If you clicked the **No** button, the following message will be displayed:

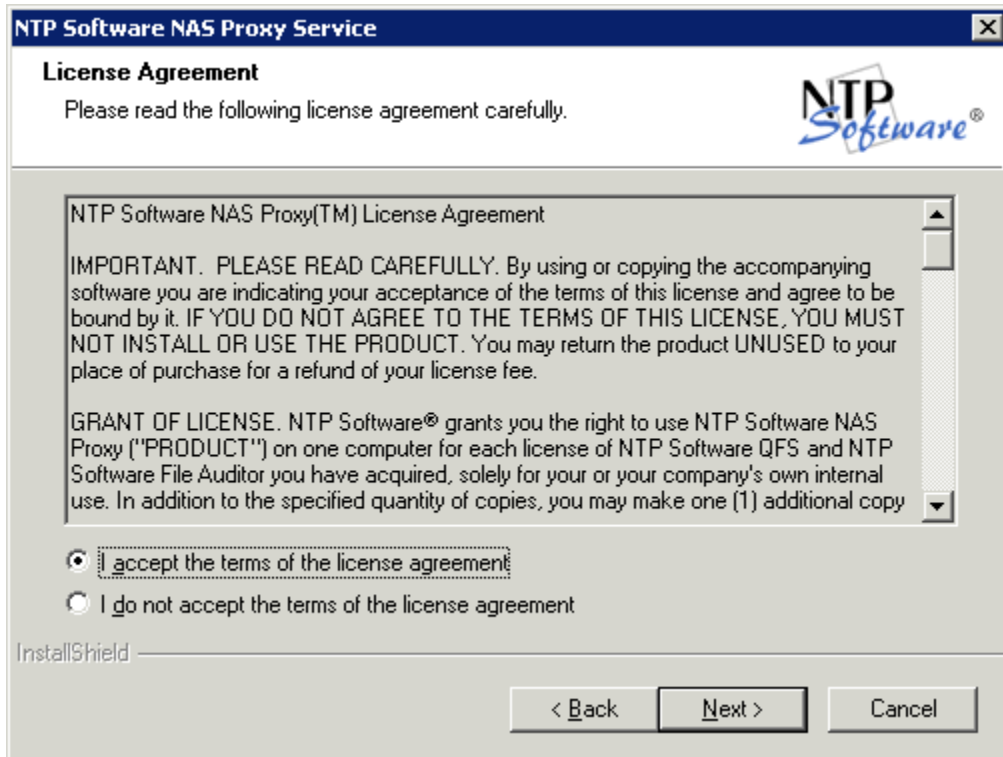


- If you clicked the **Yes** button in the above message, DefendX Software Control-QFS installer will proceed without installing DefendX Software NAS Proxy Service.
- If you clicked the **No** button in the above message, DefendX Software Control-QFS installer will terminate.

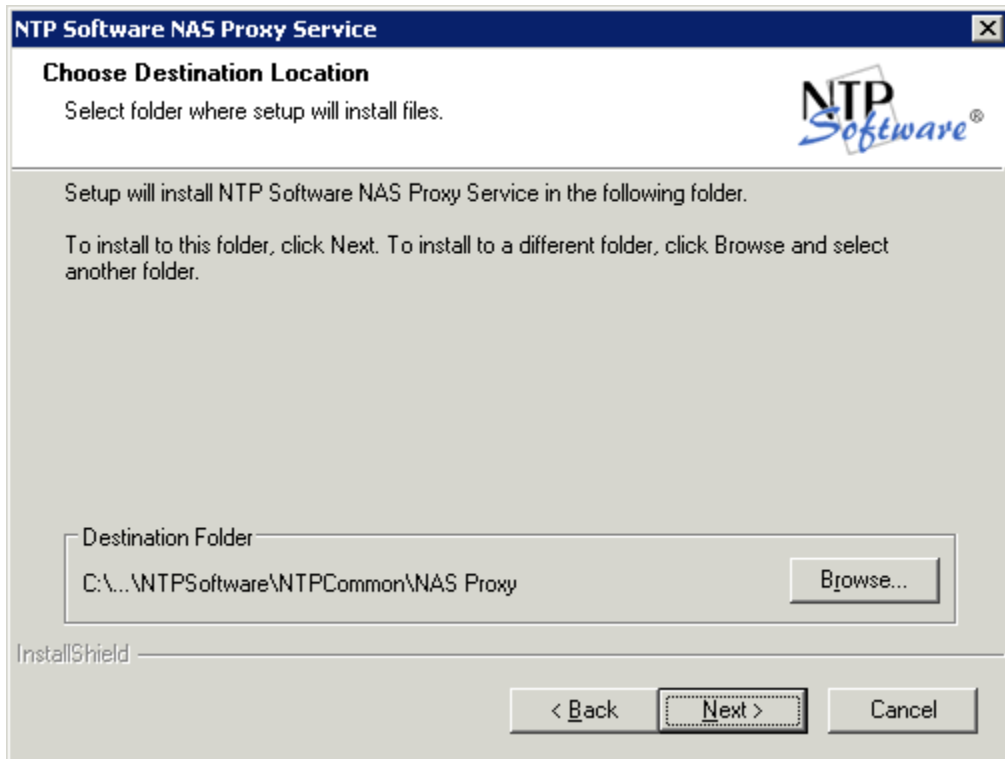
4. The **DefendX Software NAS Proxy Service Setup Wizard** opens. Click **Next** to begin the installation.



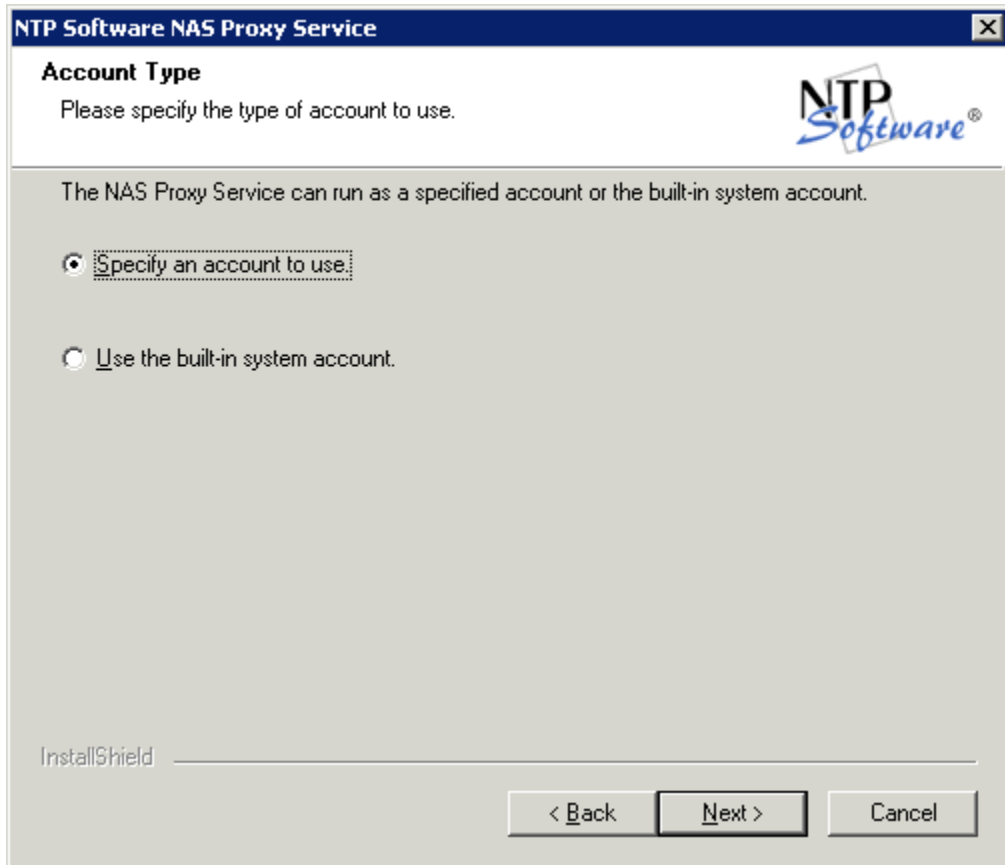
5. In the **License Agreement** dialog box, read the end-user license agreement. If you agree to the terms, click **I accept the terms of the license agreement** and then click **Next**. If you do not accept the terms, click **Cancel** to exit the installation.



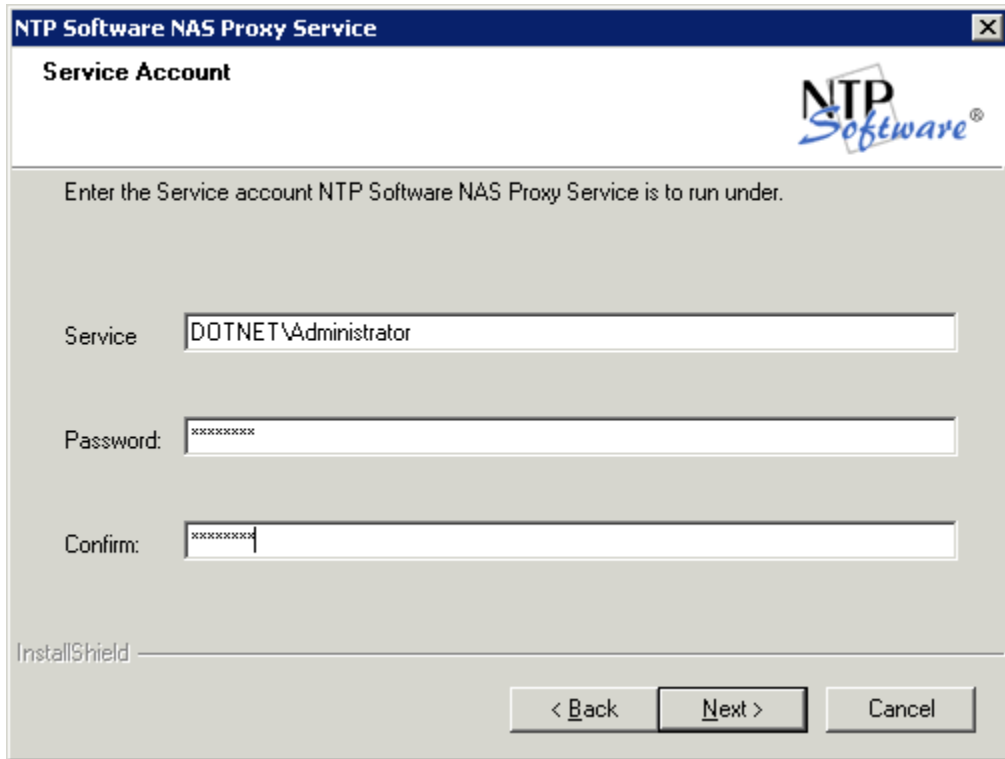
6. In the **Choose Destination Location** dialog box, click **Browse** to choose the location where you want to install DefendX Software NAS Proxy Service, and then click **Next**.



7. In the **Account Type** dialog box, select the **Specify an account to use**, and then click **Next**.

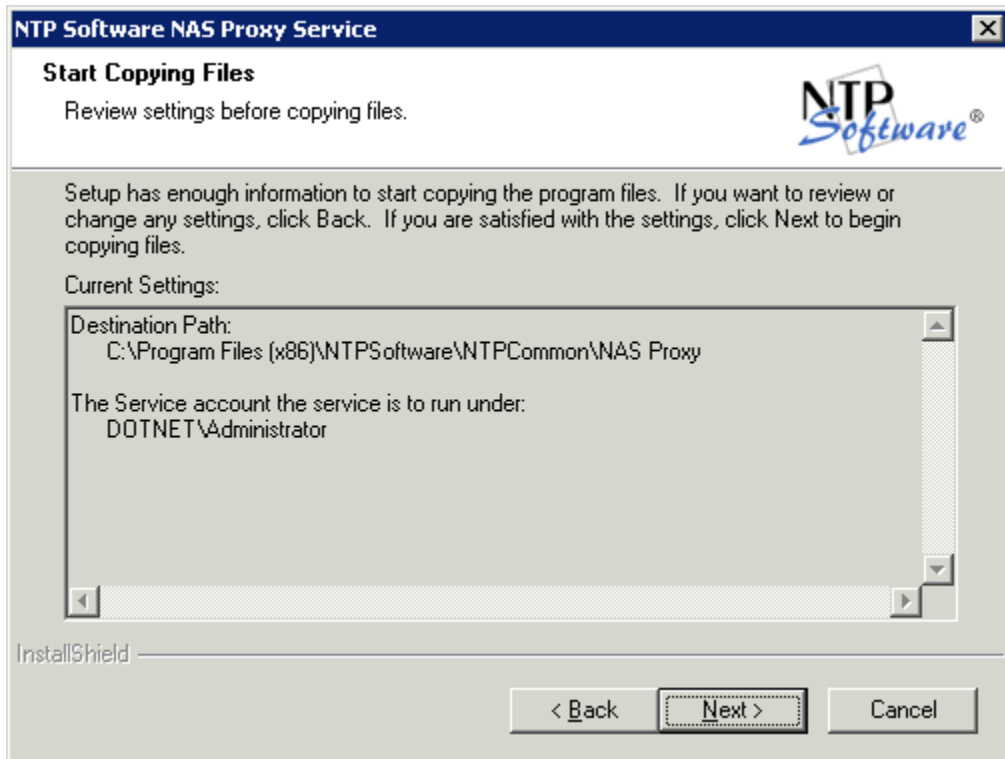


8. In the **Service Account** dialog box, when prompted for a Windows domain user account to run the DefendX Software NAS Proxy service, enter the username and password for a domain user account with administrative rights on the local machine. Click **Next**.

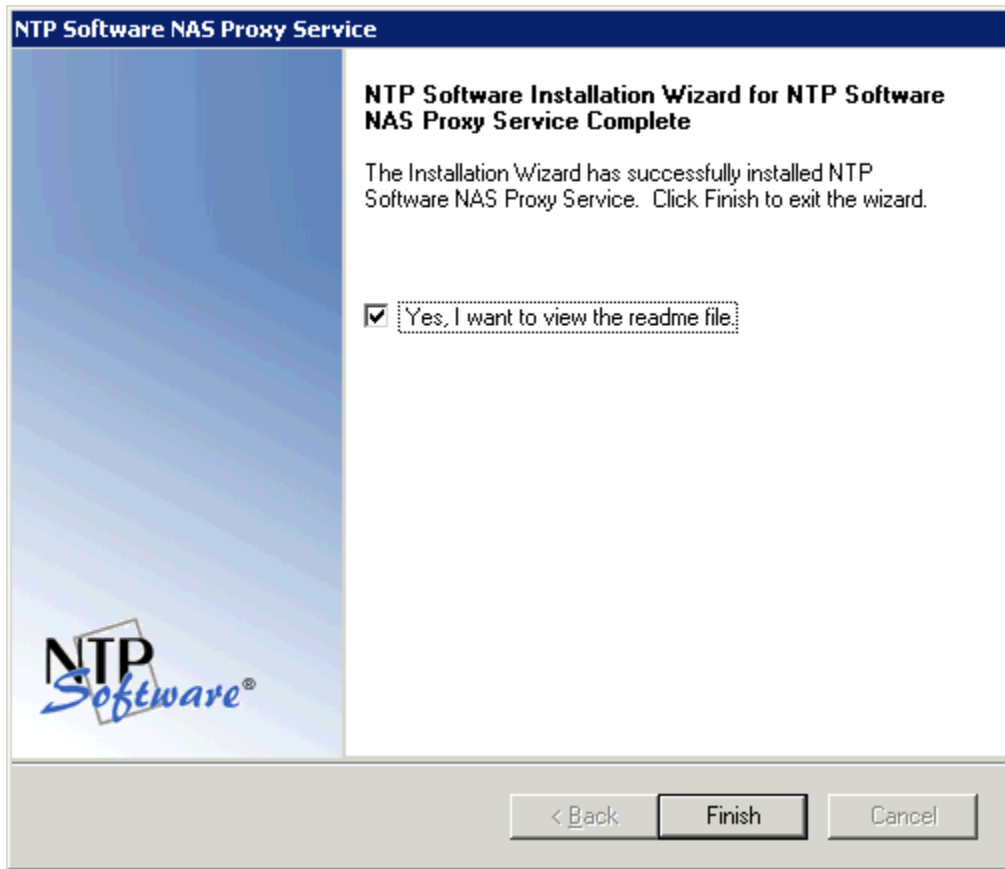


The screenshot shows a Windows-style dialog box titled "NTP Software NAS Proxy Service". Inside the dialog, the title "Service Account" is at the top left, and the "NTP Software" logo is at the top right. Below the title bar, there is a text prompt: "Enter the Service account NTP Software NAS Proxy Service is to run under." There are three input fields: "Service" with the text "DOTNET\Administrator", "Password:" with masked characters "xxxxxxx", and "Confirm:" with masked characters "xxxxxx". At the bottom left, the "InstallShield" logo is visible. At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

9. 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.

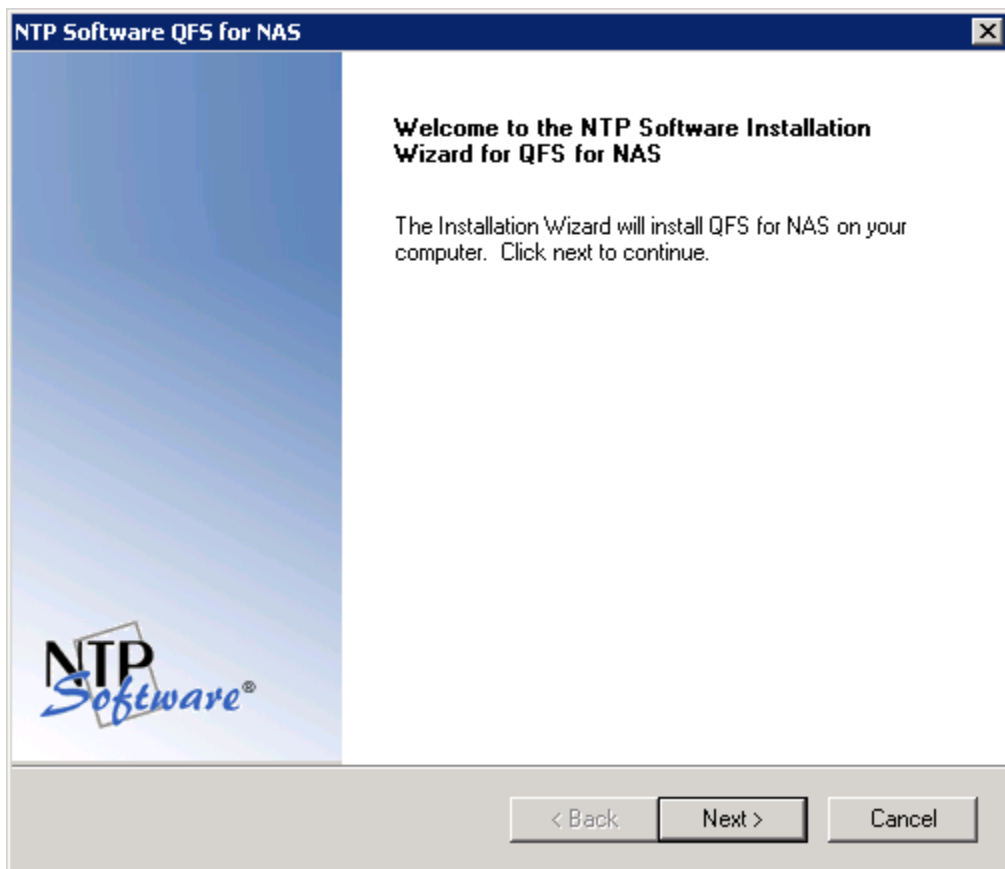


10. If you want to view the DefendX Software NAS Proxy Service readme file, check the **Yes, I want to view the readme file** checkbox, and then click **Finish**.



Installing DefendX Software Control-QFS for NAS, Hitachi Edition

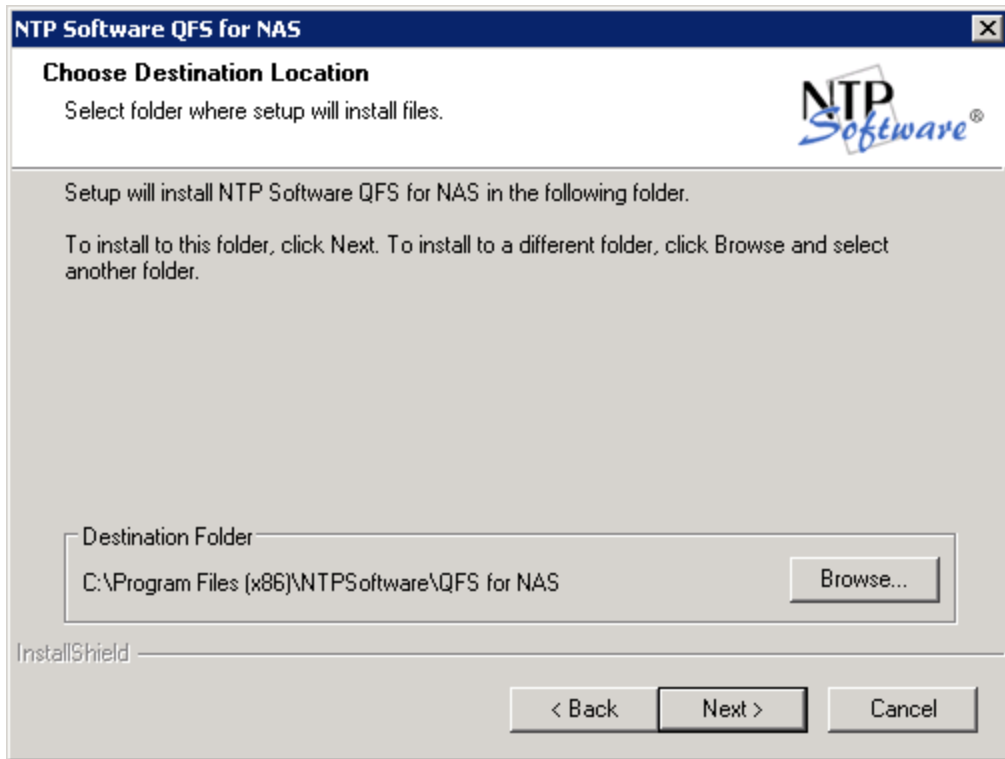
1. If you have followed the steps in the Installing DefendX Software Smart Policy Manager section and the Installing DefendX Software NAS Proxy Service section, you will be directed to the next step automatically.
2. When DefendX Software Control-QFS for NAS Installation Wizard opens, click **Next** to begin the installation.



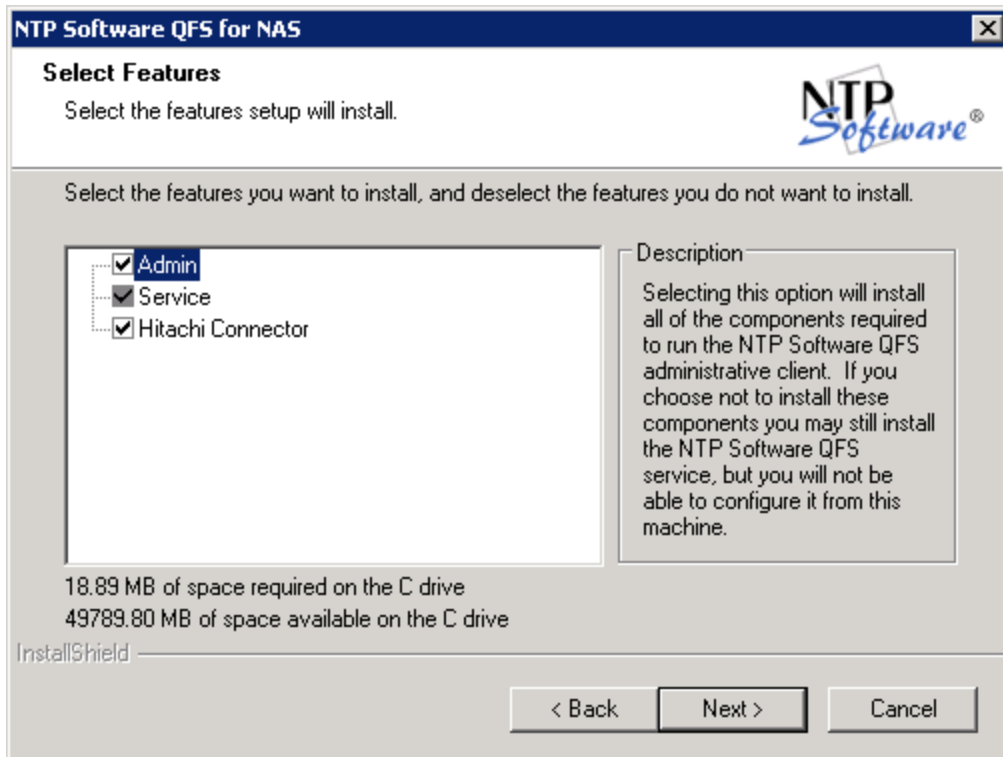
3. In the **License Agreement** dialog box, read the end-user license agreement. If you agree to the terms, click **I accept the terms of the license agreement** and then click **Next**. If you do not accept the terms, click **Cancel** to exit the installation.



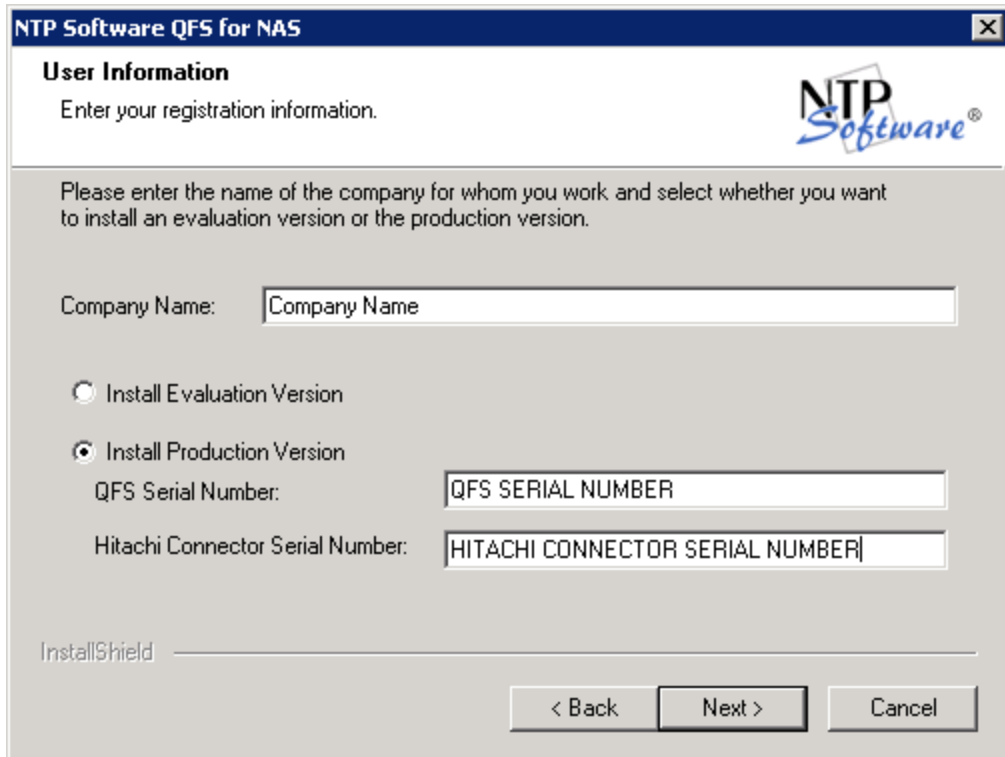
4. In the **Choose Destination Location** dialog box, choose the location where you want to install DefendX Software Control-QFS and then click **Next**.



5. In the **Select Features** dialog box, select the components to be installed on the local machine. The Admin component allows for administration of the DefendX Software Control-QFS service. The Hitachi Connector component is required if this machine will need to communicate with a Hitachi NAS Server for quota-management purposes.

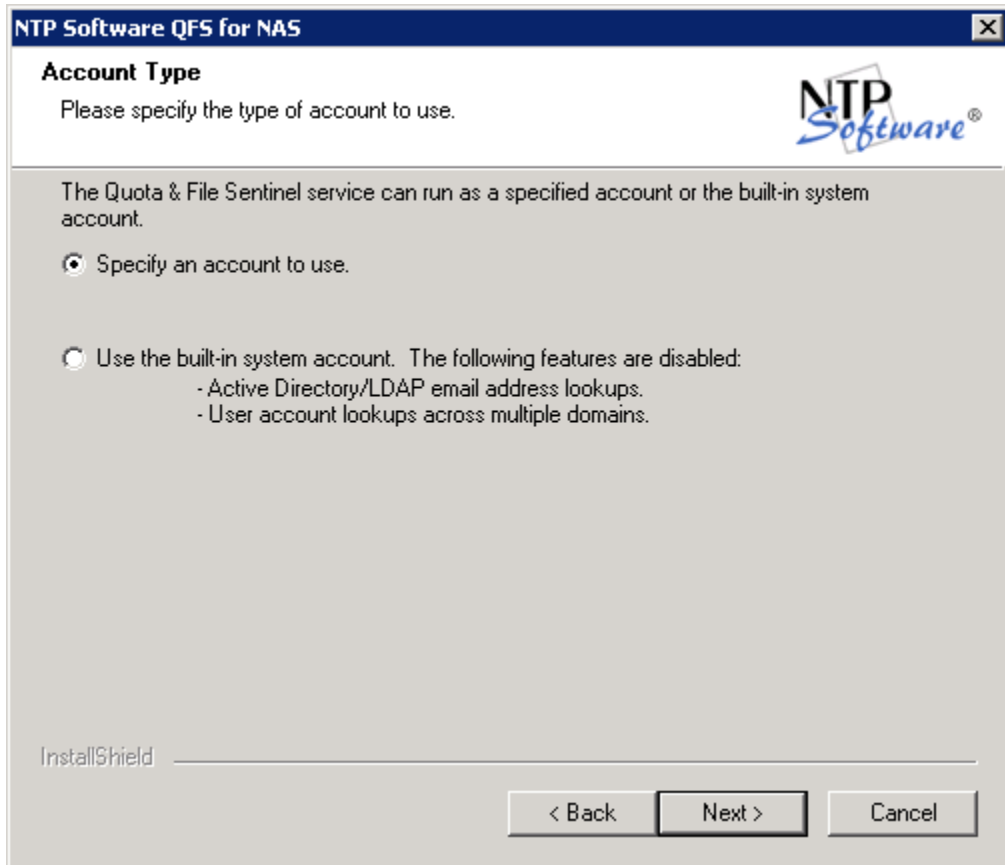


6. In the **User Information** dialog box, provide your company name, the serial number for DefendX Software Control-QFS for NAS, and the serial number for the Hitachi Connector. Click **Next**.

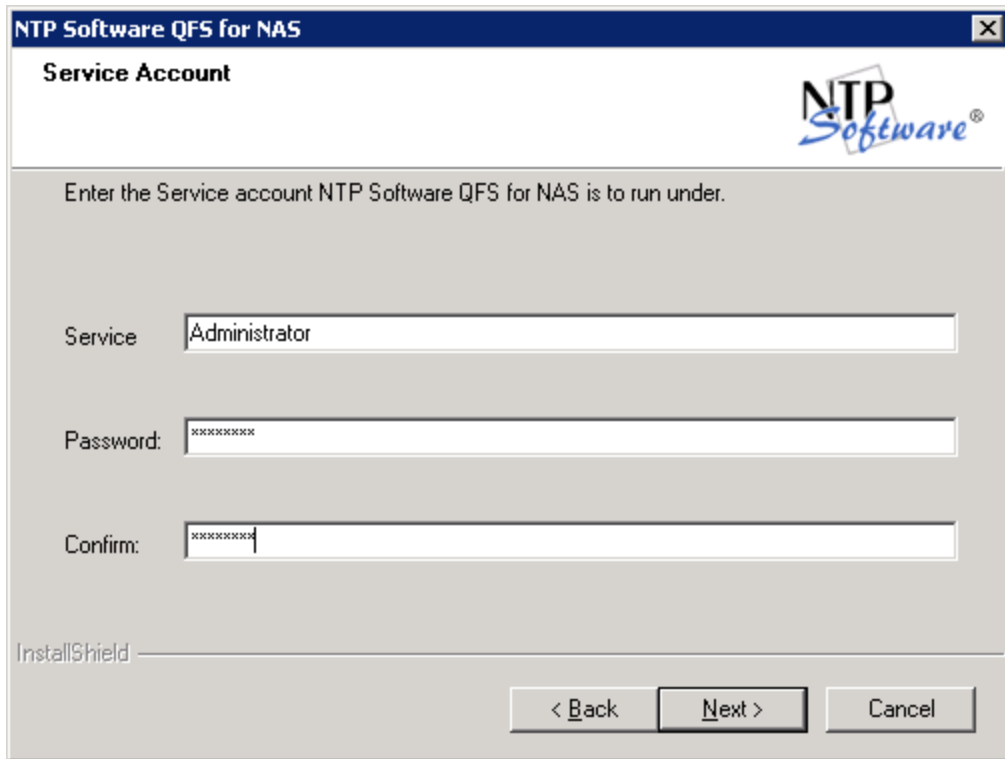


The image shows a Windows-style dialog box titled "NTP Software QFS for NAS". The dialog has a blue header bar with the title and a close button. Below the header, the title "User Information" is displayed in bold, followed by the instruction "Enter your registration information." and the NTP Software logo. A paragraph of text reads: "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." Below this, there is a text field labeled "Company Name:" containing the placeholder text "Company Name". There are two radio button options: "Install Evaluation Version" (which is unselected) and "Install Production Version" (which is selected). Below these options are two more text fields: "QFS Serial Number:" containing the placeholder "QFS SERIAL NUMBER" and "Hitachi Connector Serial Number:" containing the placeholder "HITACHI CONNECTOR SERIAL NUMBER". At the bottom left, there is a label "InstallShield" followed by a horizontal line. At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

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

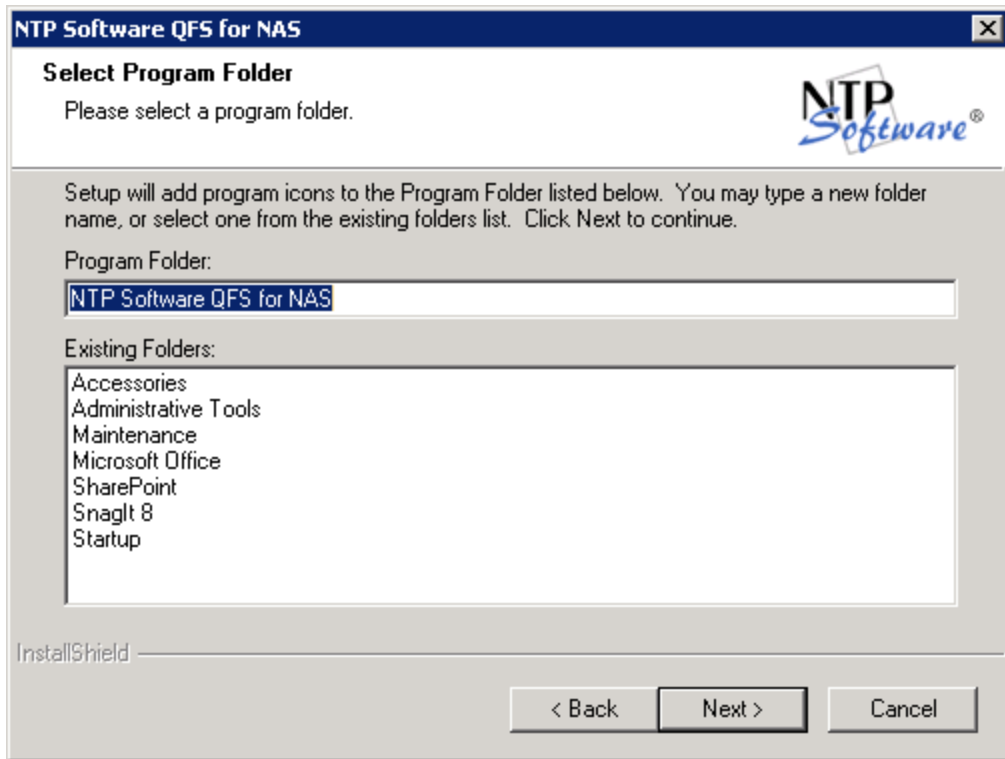


8. In the **Service Account** dialog box, on specifying an account, enter a username with local administrative privileges. This account will be used to log in and enforce quotas. Click **Next**.

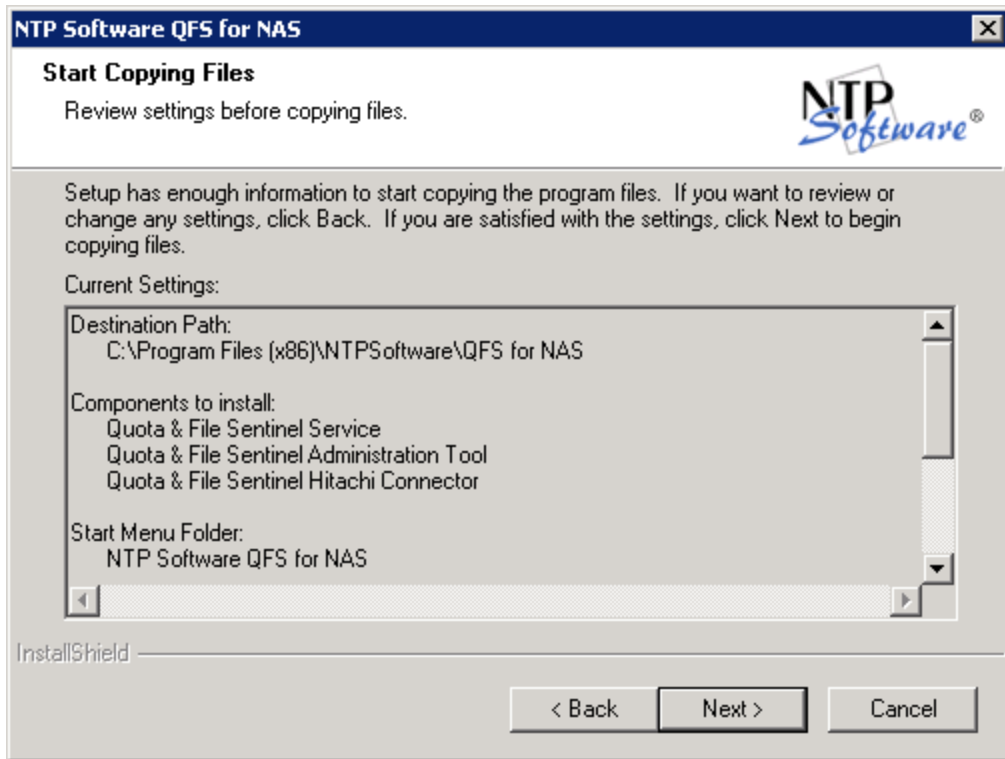


The screenshot shows a Windows-style dialog box titled "NTP Software QFS for NAS". The main heading is "Service Account". Below the heading is the NTP Software logo. The instruction text reads: "Enter the Service account NTP Software QFS for NAS is to run under." There are three input fields: "Service" with the text "Administrator", "Password:" with masked characters "xxxxxxx", and "Confirm:" with masked characters "xxxxxxx". At the bottom left is a checkbox labeled "InstallShield". At the bottom right are three buttons: "< Back", "Next >", and "Cancel".

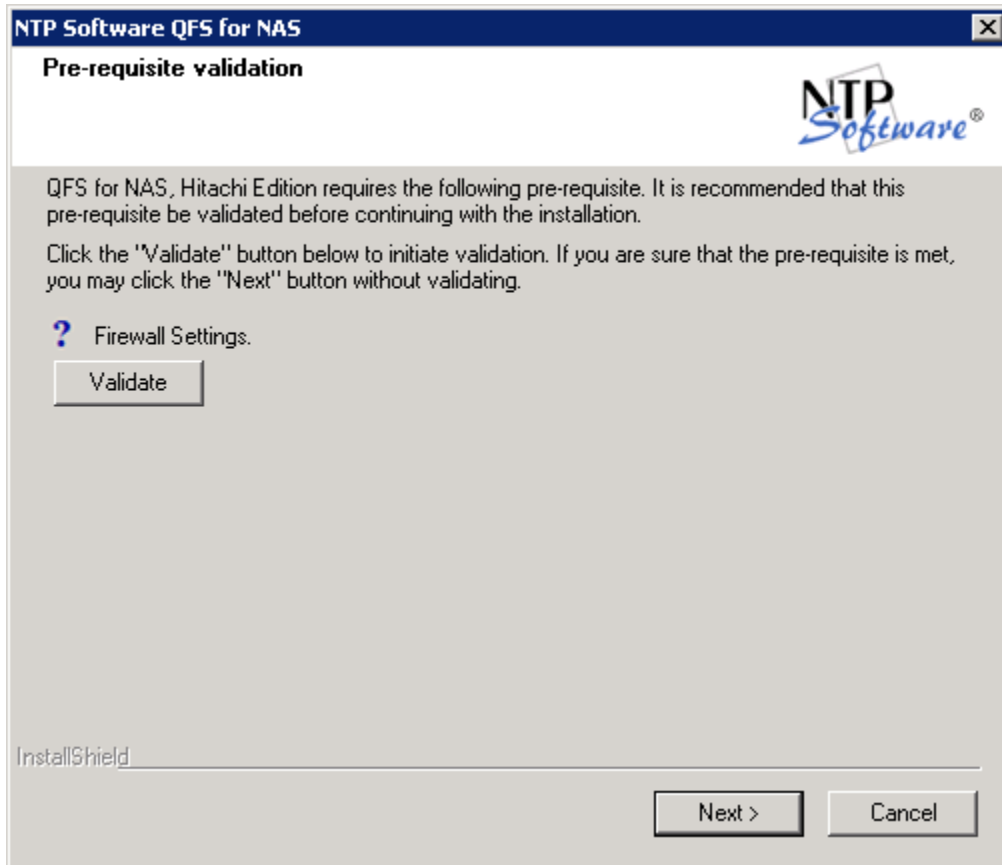
9. In the **Select Program Folder** dialog box, select the program folder to host the DefendX Software Control-QFS for NAS startup group. Click **Next**.



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



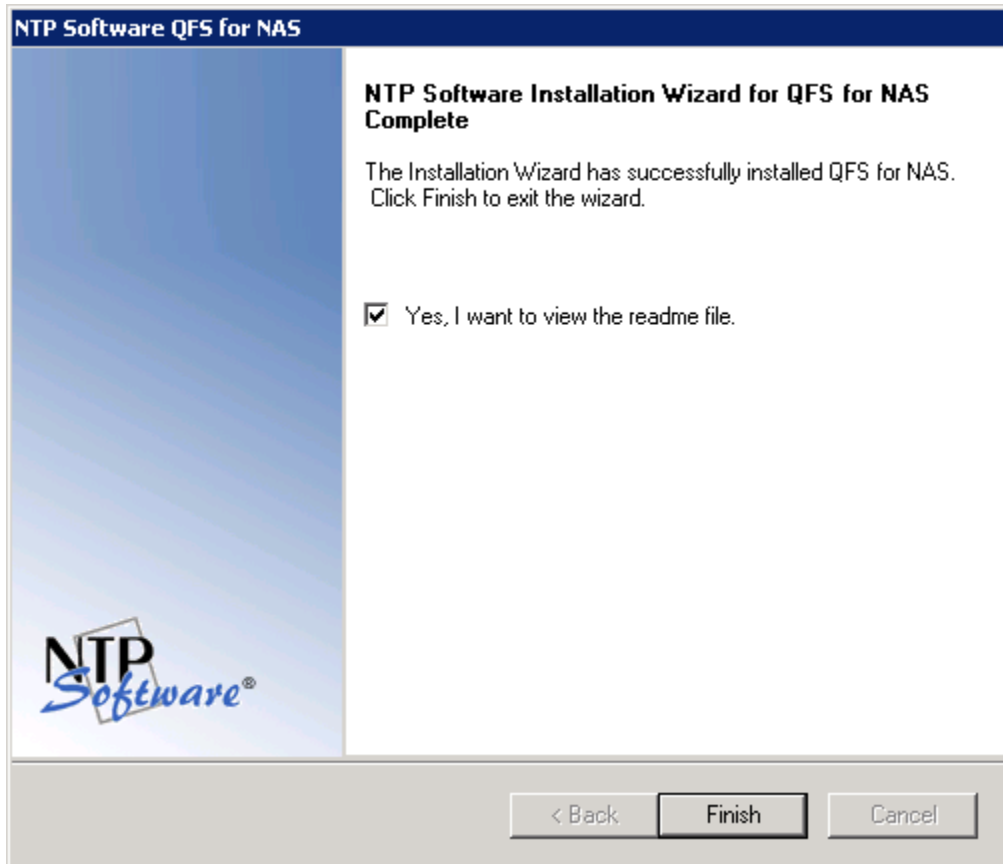
11. Click the **Validate** button to validate Firewall Settings pre-requisites.



NOTES

- You can click the **Next** button without clicking the **Validate** button and thereby skip the validation of the firewall settings.
- If the **Validate** button is not clicked before clicking the **Next** button, a **Yes/No** warning message box will be displayed asking you either to proceed with the installation without validation or not. You are prompted to choose either **Yes** or **No** as follows:
- If **Yes** is clicked, you will be allowed to proceed to the next installer step.
- If **No** is clicked, you will be returned to the same installer step.
- If the **Validate** button is clicked, the firewall settings will be validated.

12. If you want to view the DefendX Software Control-QFS for NAS readme file, check the **Yes, I want to view the readme file** checkbox. When you click **Finish**, the DefendX Software Control-QFS for NAS, Hitachi Edition Configuration Wizard will open.

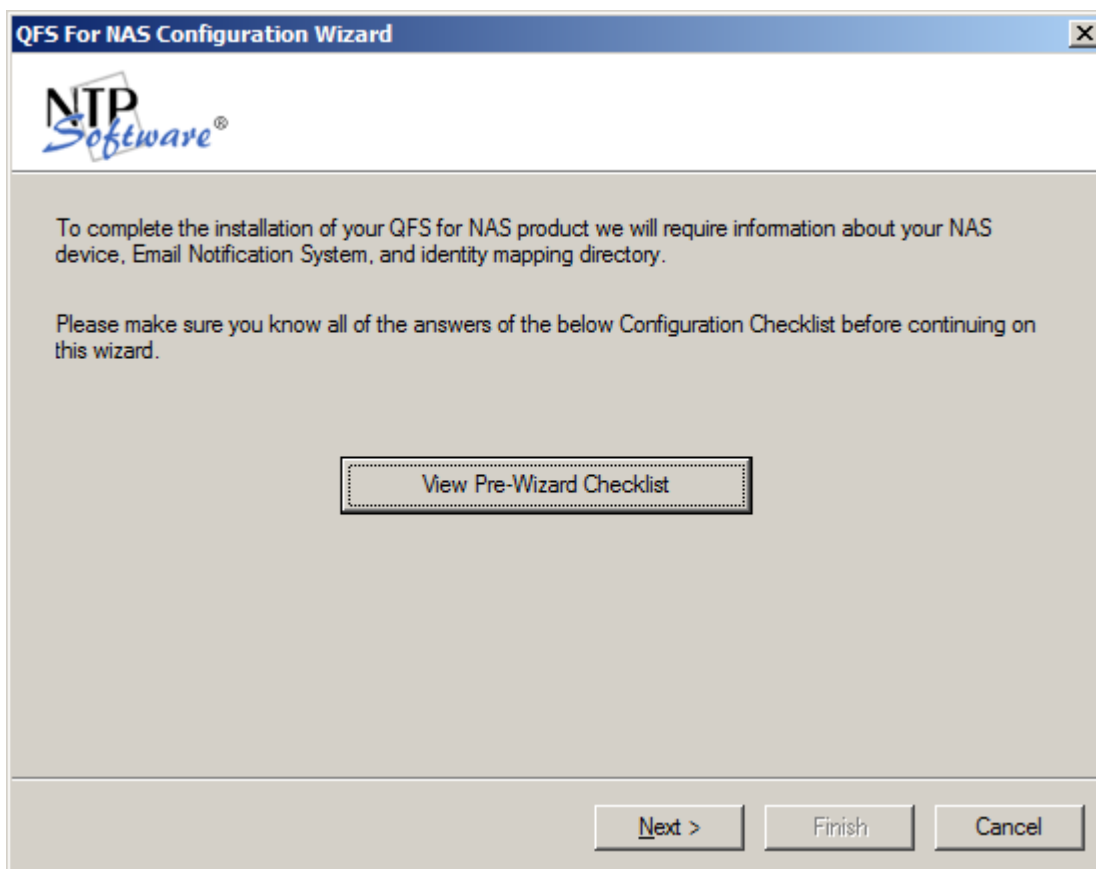


Adding Your First EVS

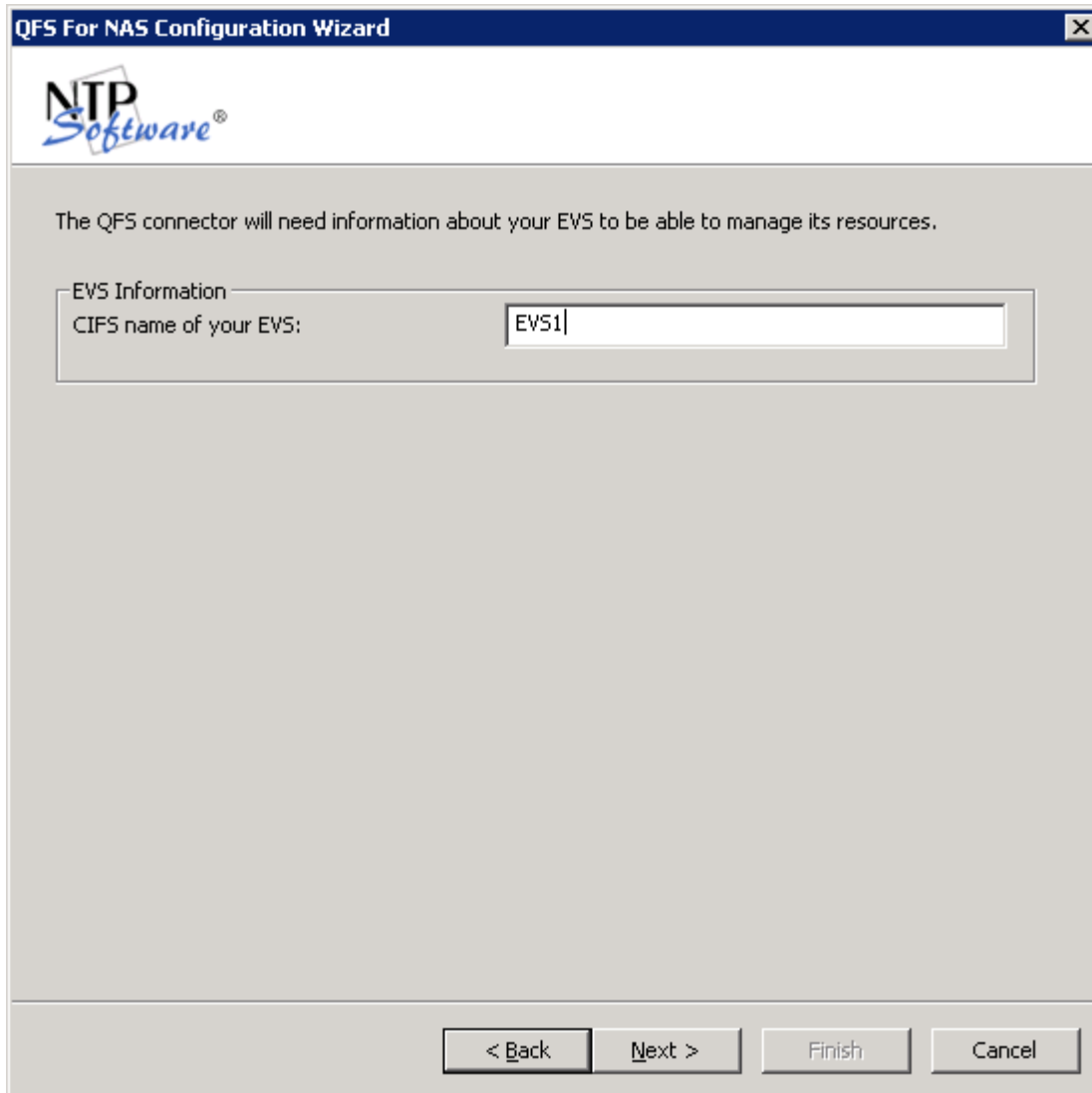
There are two ways to add an EVS to the DefendX Software Control-QFS hierarchy; you can either do it through the DefendX Software Control-QFS Configuration Wizard or add the EVS manually. Both methods are explained in detail here.

To add your first EVS to the DefendX Software Control-QFS hierarchy through the DefendX Software Control-QFS Configuration Wizard, please do the following:

1. Click **Start > All Programs > DefendX Software Control-QFS for NAS > DefendX Software Control-QFS for NAS Configuration Wizard**.
2. Click the **View Pre-Wizard Checklist** button and gather the required information before continuing. Click **Next**.



3. Enter the CIFS name of your EVS and click **Next**.



The QFS connector will need information about your EVS to be able to manage its resources.

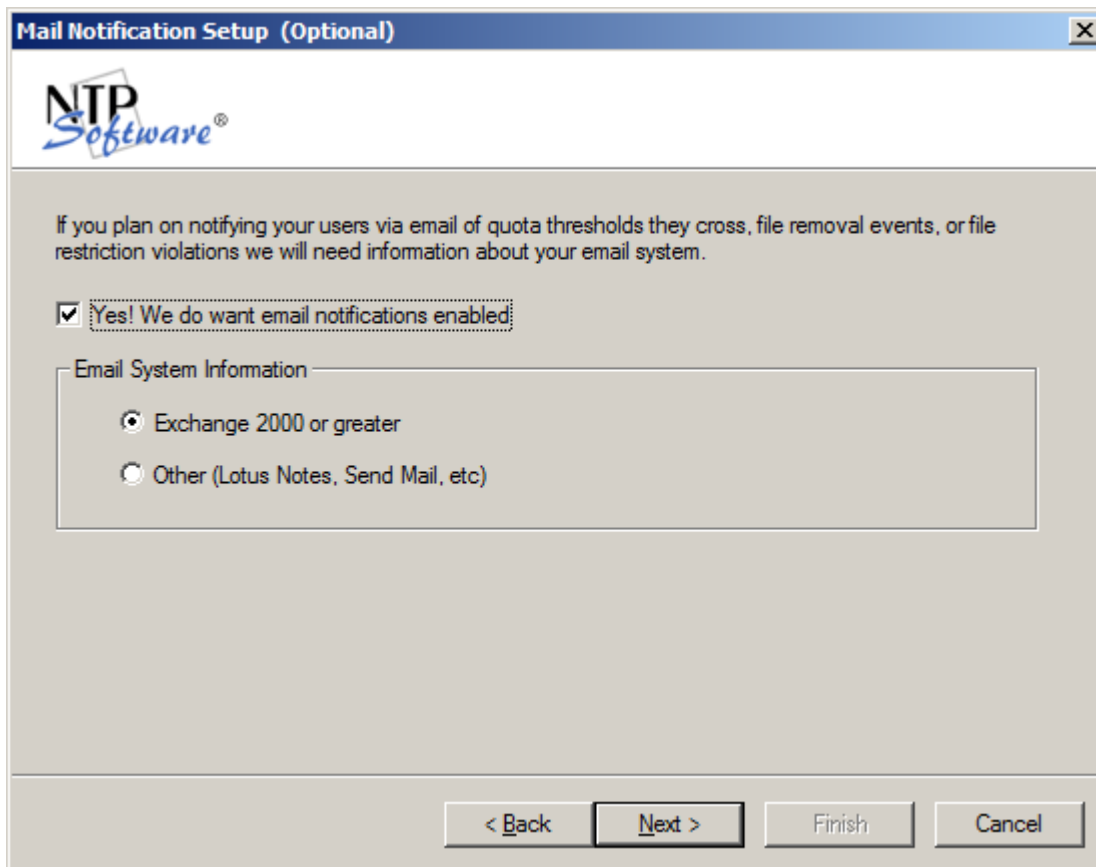
EVS Information

CIFS name of your EVS:

< Back Next > Finish Cancel

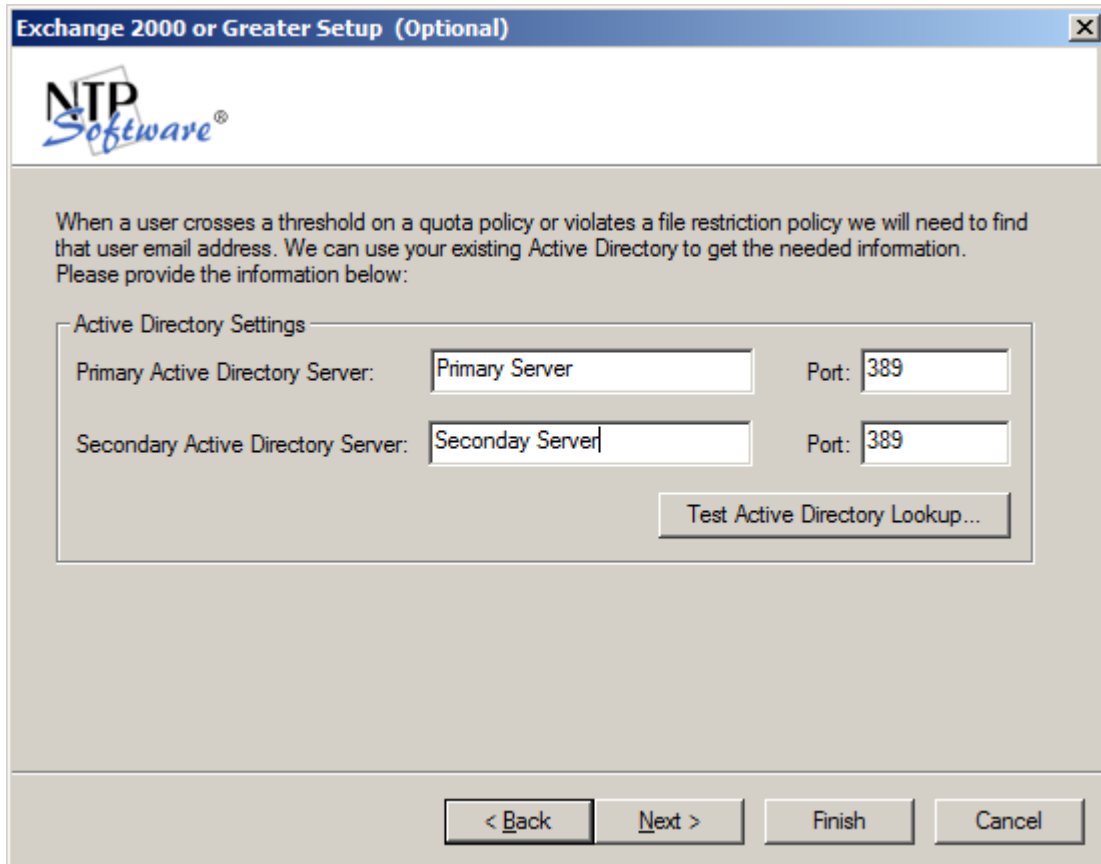
The image shows a Windows-style dialog box titled "QFS For NAS Configuration Wizard". It features the NTP Software logo in the top left. The main text states: "The QFS connector will need information about your EVS to be able to manage its resources." Below this, there is a section titled "EVS Information" containing a label "CIFS name of your EVS:" followed by a text input field containing the text "EVS1". At the bottom of the dialog, there are four buttons: "< Back", "Next >", "Finish", and "Cancel".

4. If you do not want to send email notifications to users when a quota status changes, clear the **Yes! We do want email notifications enabled** checkbox. Select the email system your environment uses. Click **Next**.



The image shows a Windows-style dialog box titled "Mail Notification Setup (Optional)". The title bar is blue with a close button (X) on the right. Below the title bar is the NTP Software logo. The main area contains the following text: "If you plan on notifying your users via email of quota thresholds they cross, file removal events, or file restriction violations we will need information about your email system." Below this text is a checkbox labeled "Yes! We do want email notifications enabled:" which is currently checked. Underneath the checkbox is a section titled "Email System Information" with a light gray background. This section contains two radio button options: "Exchange 2000 or greater" (which is selected) and "Other (Lotus Notes, Send Mail, etc)". At the bottom of the dialog box are four buttons: "< Back", "Next >", "Finish", and "Cancel".

5. Enter the name of your Active Directory server. (Enter a second server, if desired.) Click the **Test Active Directory Lookup** button and test at least one email address to verify connectivity. Then click **Next**.



The image shows a Windows-style dialog box titled "Exchange 2000 or Greater Setup (Optional)". The dialog box has a blue header bar with the title and a close button. Below the header is the NTP Software logo. The main area contains a paragraph of text: "When a user crosses a threshold on a quota policy or violates a file restriction policy we will need to find that user email address. We can use your existing Active Directory to get the needed information. Please provide the information below:". Below this text is a section titled "Active Directory Settings" which contains two rows of input fields. The first row is labeled "Primary Active Directory Server:" and has a text box containing "Primary Server" and a "Port:" label followed by a text box containing "389". The second row is labeled "Secondary Active Directory Server:" and has a text box containing "Secondary Server" and a "Port:" label followed by a text box containing "389". To the right of these input fields is a button labeled "Test Active Directory Lookup...". At the bottom of the dialog box are four buttons: "< Back", "Next >", "Finish", and "Cancel".

Exchange 2000 or Greater Setup (Optional)

NTP Software®

When a user crosses a threshold on a quota policy or violates a file restriction policy we will need to find that user email address. We can use your existing Active Directory to get the needed information. Please provide the information below:

Active Directory Settings

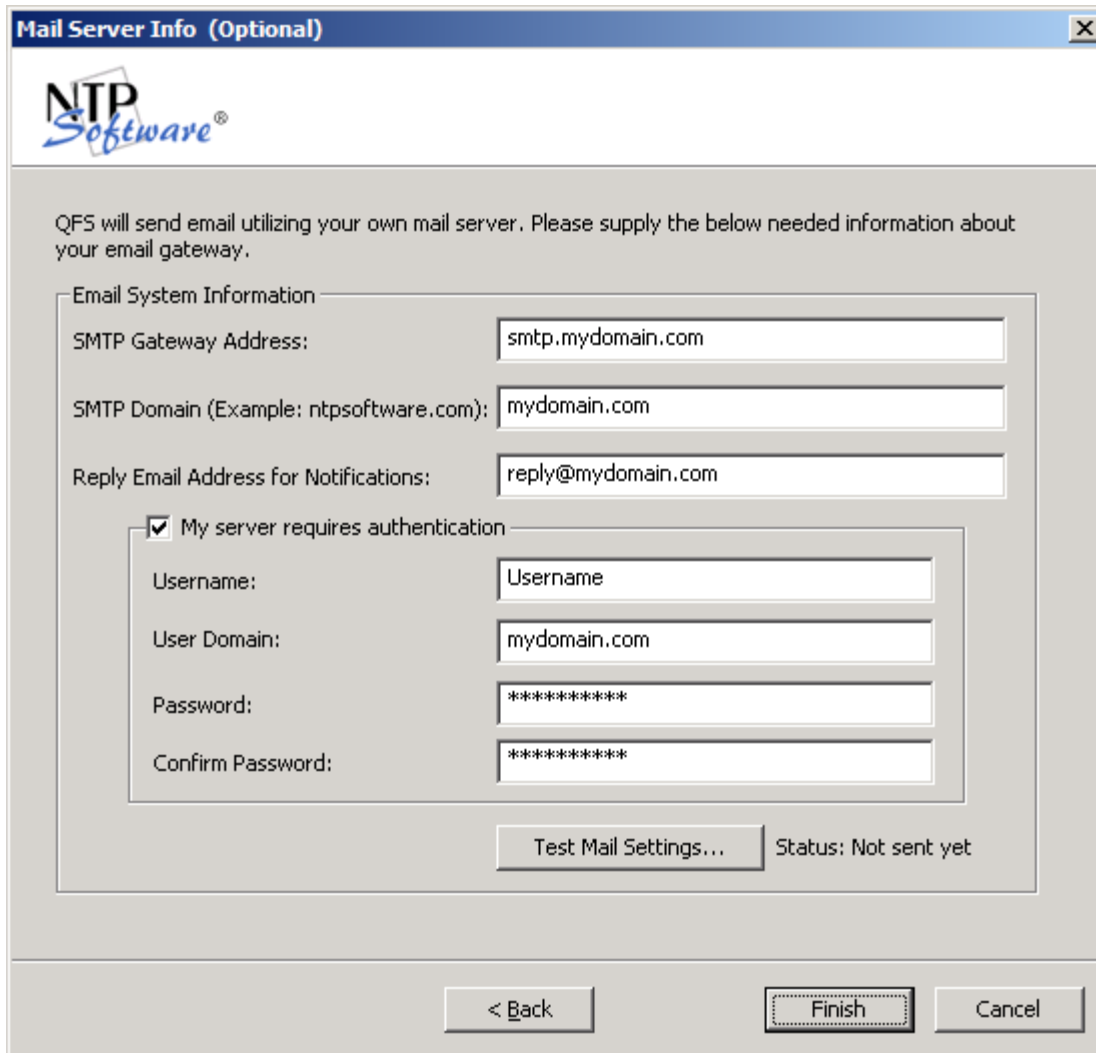
Primary Active Directory Server: Primary Server Port: 389

Secondary Active Directory Server: Secondary Server Port: 389

Test Active Directory Lookup...

< Back Next > Finish Cancel

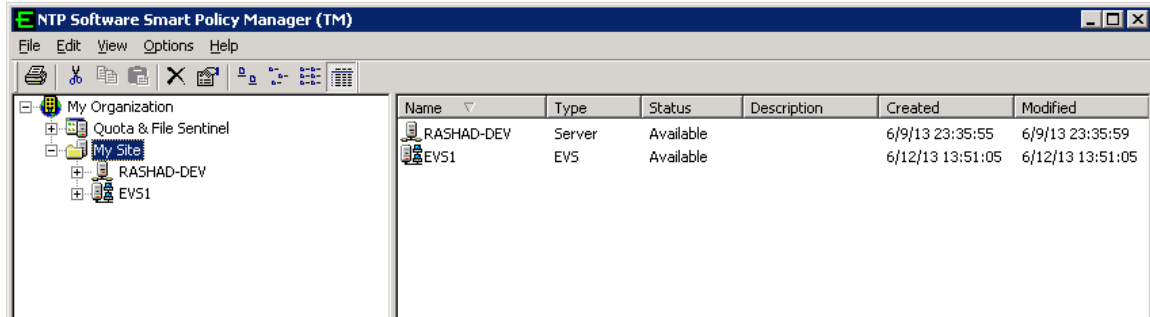
6. Enter the SMTP gateway, the SMTP domain, and the email address to use for notifications. If your SMTP server requires authentication, enter the required username, domain, password and confirm password to be used to authenticate with your SMTP server. Click **Test Mail Settings** to verify that the information is correct. Then click **Finish**.



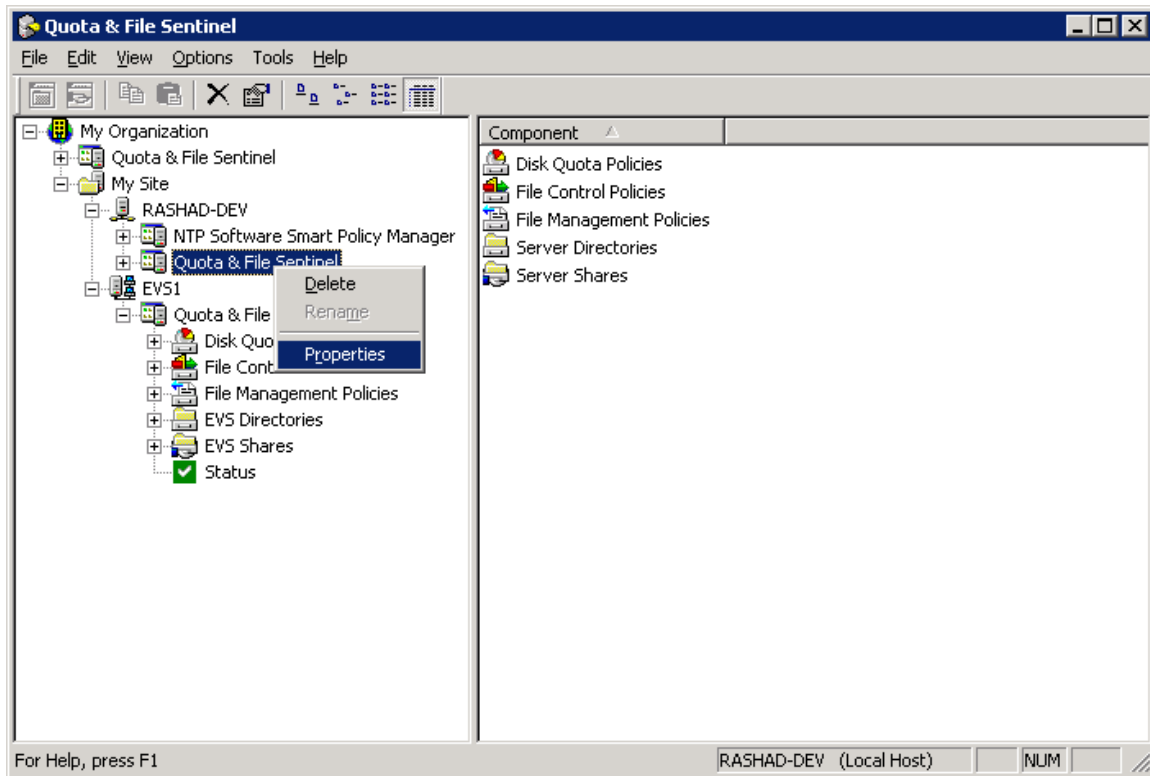
The image shows a Windows-style dialog box titled "Mail Server Info (Optional)". At the top left is the "NTP Software" logo. Below the title bar, a message states: "QFS will send email utilizing your own mail server. Please supply the below needed information about your email gateway." The main area is titled "Email System Information" and contains several input fields: "SMTP Gateway Address" with the value "smtp.mydomain.com", "SMTP Domain (Example: ntpsoftware.com):" with the value "mydomain.com", and "Reply Email Address for Notifications:" with the value "reply@mydomain.com". Below these is a checkbox labeled "My server requires authentication" which is checked. This checkbox is followed by a sub-section containing four fields: "Username:" with the value "Username", "User Domain:" with the value "mydomain.com", "Password:" with the value "*****", and "Confirm Password:" with the value "*****". To the right of the "Test Mail Settings..." button is a status indicator that reads "Status: Not sent yet". At the bottom of the dialog are three buttons: "< Back", "Finish" (which is highlighted with a dashed border), and "Cancel".

To add an EVS to the DefendX Software Control-QFS policy hierarchy manually, please follow these steps:

1. Click **Start > All Programs > DefendX Software Control-QFS® for NAS > DefendX Software Control-QFS® for NAS Admin**.
2. In the hierarchy presented, expand the location name you entered earlier. The default location is My Site. Your EVS Server is listed in the right pane, below the server on which DefendX Software Control-QFS is installed.



3. In the left pane, expand the server on which DefendX Software Control-QFS is installed and right-click **Quota & File Sentinel**. From the pop-up menu, select **Properties**.



4. Click the **Hitachi Connector** tab. Your EVS should be listed; if it is not, click **Add**.

The image shows the 'NTP Software QFS® Configuration' dialog box with the 'Hitachi Connector' tab selected. The dialog has several tabs: 'Email Configuration', 'SNMP Configuration', 'Event Options', 'Misc. Options', 'Dashboard Configuration', 'Security', and 'Hitachi Connector'. The 'Hitachi Connector' tab contains the text 'Please enter the Hitachi EVS to be managed by the Hitachi Connector.' Below this is a list box with 'EVS' and 'Evs1' as entries. To the right of the list box are 'Add' and 'Remove' buttons. Below the list box is a section titled 'Prohibited File Disposition' with two radio buttons: 'Quarantine' (selected) and 'Delete'. A note below the radio buttons states: 'Note: The share QFSQuarantine or QFSQuar must exist on each managed machine in order for Quarantine to work properly.' Below this is a checkbox for 'Enable File Blocking Recovery'. At the bottom of the dialog are 'OK', 'Cancel', 'Apply', and 'Help' buttons.

5. Enter the name of your EVS. Click **OK**.

The image shows the 'Add or Edit an Item' dialog box. It has a title bar with 'Add or Edit an Item' and a close button. The dialog contains the text 'Enter the name of the EVS to control:' followed by a text input field. To the right of the input field is a 'Browse...' button. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

6. To configure the NAS device status refresh rate, click the **Misc. Options** tab in the **Quota and File Sentinel properties** dialog. The default refresh rate is 30 seconds while the minimum rate is 10 seconds and the maximum rate is 3600 seconds.

NOTE: The refresh rate can be inherited from the global “Quota and File Sentinel” node in Control-QFS hierarchy.

The screenshot shows the 'NTP Software QFS (R) Configuration' dialog box with the 'Misc. Options' tab selected. The dialog has several tabs: 'Email Configuration', 'SNMP Configuration', 'Event Options', 'Misc. Options', 'Dashboard Configuration', 'Security', and 'Hitachi Connector'. The 'Misc. Options' tab contains the following settings:

- ☒ **Inherit Daily Email Reminder Properties**
 - Daily reminder time: 2:00:00 AM
 - Maximum number of reminders: (0 - do not send reminders) 7
- ☒ **Inherit Directory Connector Properties**
 - ☐ Use Active Directory Connector to retrieve email addresses
 - ☐ Use LDAP Connector to retrieve email addresses
 - ☒ Append the SMTP Domain to form email addresses
 - Primary Host: [Empty]
 - Secondary Host: [Empty]
 - LDAP Mail Name: mail
 - LDAP Port: 389
 - LDAP Filter Name: uid
- ☒ **Inherit Tuning Properties**
 - ☒ Low Impact Sizing
 - ☐ High Impact Sizing
- ☐ **Inherit NAS Device Status Properties**
 - NAS Device Status Refresh Rate: 20 Sec.

At the bottom of the dialog are buttons for 'OK', 'Cancel', 'Apply', and 'Help'.

Verifying Registration with the EVS

The following event log message is logged when DefendX Software Control-QFS® successfully registers with an EVS:

```
Event Source: Control-QFS Hitachi Connector  
Event ID: 81  
Date:5/15/2009  
Time:PM 12:24:42  
Computer: INSTANCE-DEV
```

Please refer to the *DefendX Software Control-QFS® Family of Products User Manual*, for more details on the information provided in this guide..

Enabling Notifications Flow

To enable the notification flow, you need to turn on the File-Filtering option for the EVS after the Connector service is started. This can be done by running the following command on the Hitachi NAS management CLI:

```
file-filtering --on
```

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

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