

# SECURITY SERVER INSTALLATION GUIDE



NETOP®

# RemoteControl

Secure Remote Management and Support

29 March 2017



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## 1. Introduction

The Netop Remote Control Security is a centralized authentication server for Netop Remote Control Hosts. It can also act as a centralized log server for Netop activity from both the Netop Host and Netop Guest.

The Security Server consists of two components.. One is simply called the Security Server module and it is the engine that runs, listens and processes authentication requests from the Host. The second component is called the Security Manager which is simply a GUI to edit the security roles and role assignments in the database. The Security Manager will also allow you to view the Netop activity log.

This document walks you through the installation of Netop Security Server and integration with an SQL database and the Active Directory, ensuring functionality with Netop components.

This guide does not explain all options within the Security Server. For detailed information on the Netop Security Server complex functionality, see the Netop Remote Control Administrator's Guide.

### 1.1 Assumptions

This guide assumes that you have installed a Netop Guest and a Netop Host on different computers and you can make a remote control connection between the two.

### 1.2 Prerequisites

Before you begin you will also need to obtain the Netop Remote Control Security Server MSI and a valid serial number.

## 2. Required setups prior the Security Server Installation

### 1.1 Create domain admin account user

On the Active Directory server create a domain account:

1. Go to **Start>Programs>Administrative Tools**, and click **Active Directory Users and Computers**.
2. In the Active Directory Users and Computers window, expand *<domain name>*.
3. Right-click **Users**, point to **New**, and select **User**.
4. In the New Object - User dialog box, do the following:
  - In the **First name** and **Last name** fields, type a first and last name for the account.
  - In the **User logon name** field, type the username that will be used to log on to the Active Directory domain.

New Object - User

Create in: nrc.local/Users

First name: Netop Security Initials:

Last name: Server

Full name: Netop Security Server

User logon name: NSSAdmin @nrc.local

User logon name (pre-Windows 2000): NRC\NSSAdmin

< Back Next > Cancel

5. Click **Next**.
6. In the **Password** field, type a password for the account, and then in the **Confirm password** field, type the password again.
7. Select **User cannot change password** and **Password never expires**:

New Object - User

Create in: nrc.local/Users

Password:

Confirm password:

User must change password at next logon

User cannot change password

Password never expires

Account is disabled

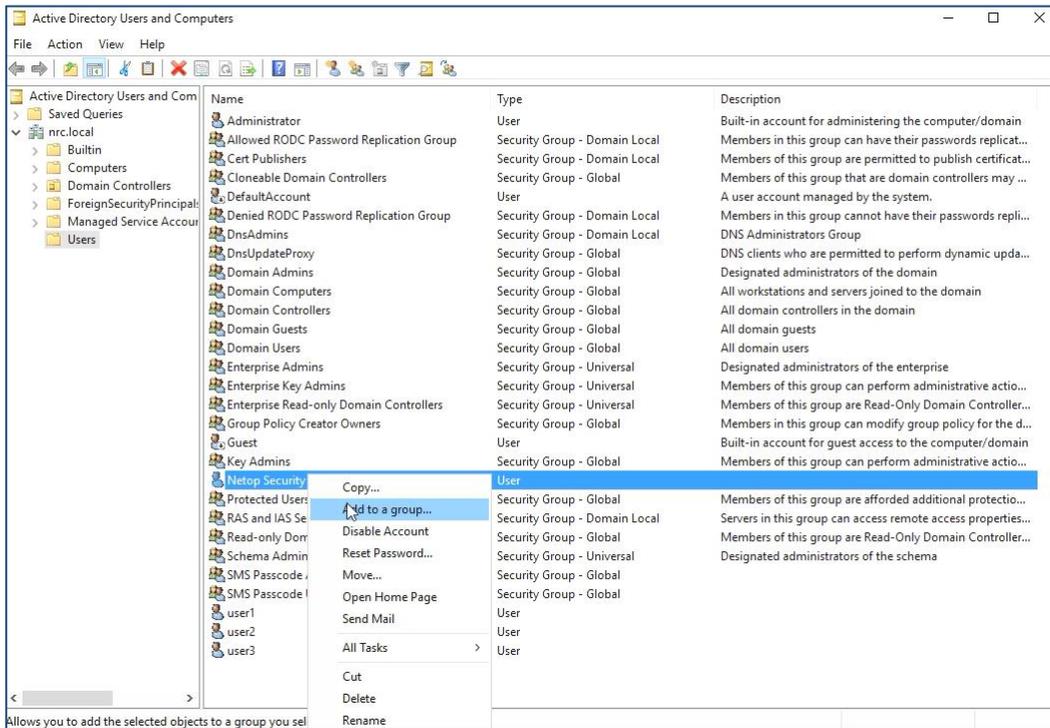
< Back Next > Cancel

- Click **Next**, then click **Finish**. The domain account users will be added to the domain.

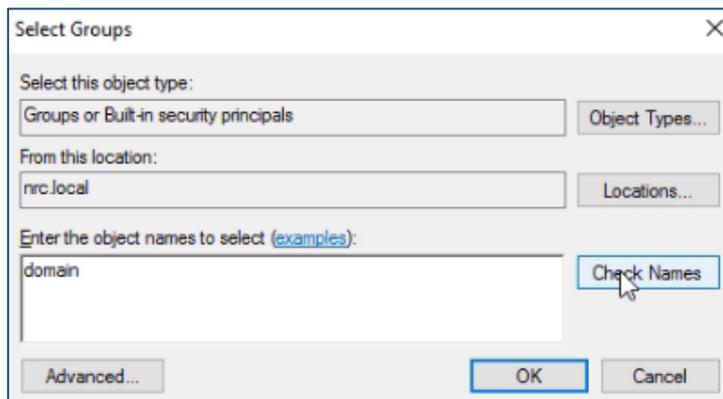
**Note:** To install Security Manager, you must be an administrator or a user with local administrator rights to the server and with access rights to the Windows Server console.

Give the domain account administrative privileges:

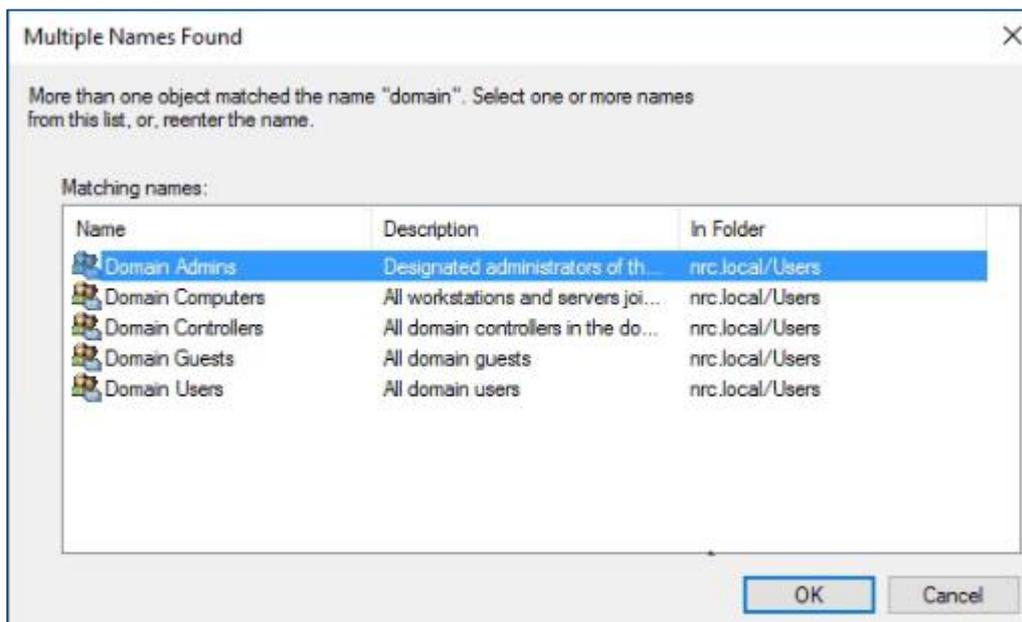
- Right-click the created user account and select **Add to a group**.



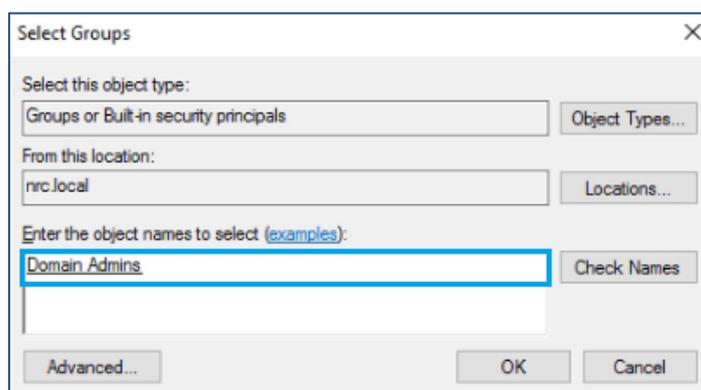
- In the Select Groups dialog box, search for the group name by entering the name in the **Enter the object name to select** field and clicking **Check Name**.



- Click **OK**.
- If multiple group names are found, select **Domain Admins**.



5. Click **OK**. The selected group will be displayed in the Select Groups dialog box:

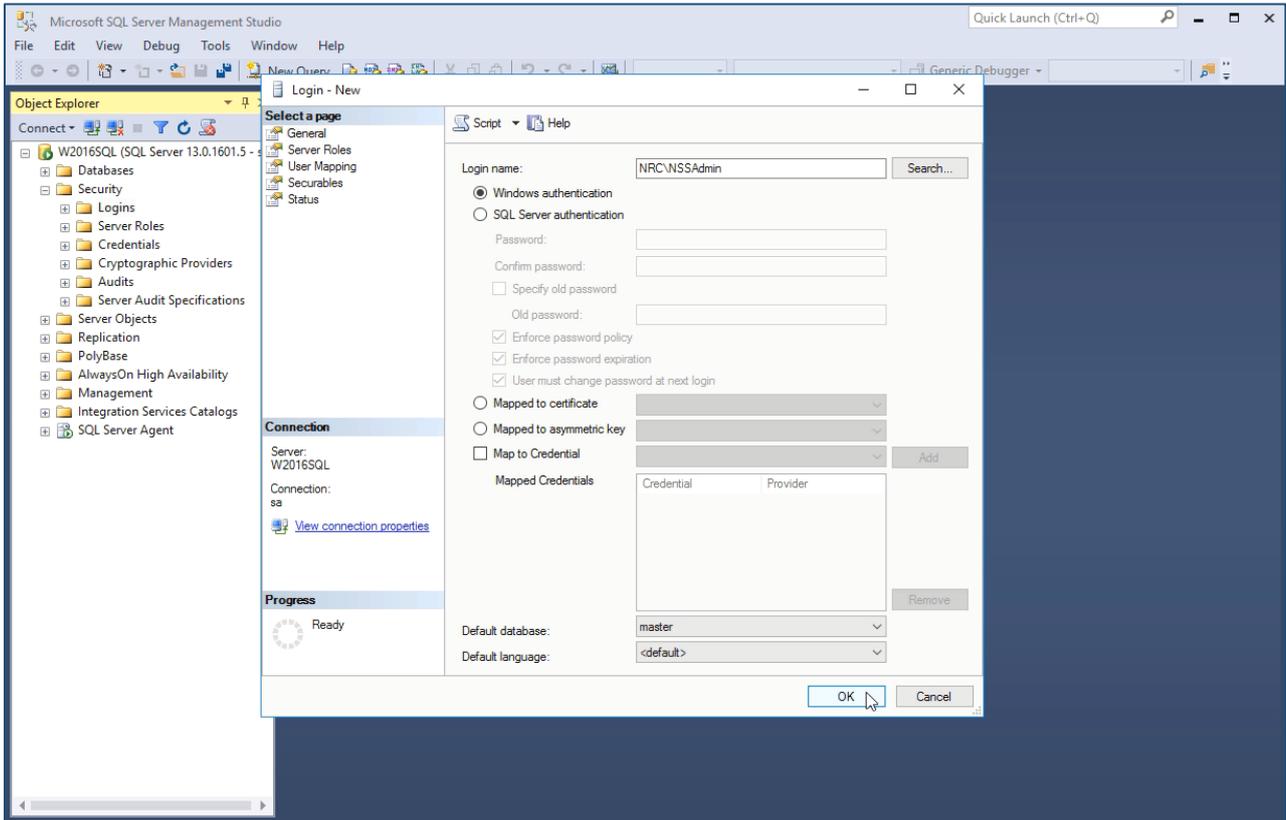


6. Click **OK**. The selected domain account was granted administrative privileges.

## 1.2 SQL setup

### 1.2.1 Add the domain account user to the SQL DB

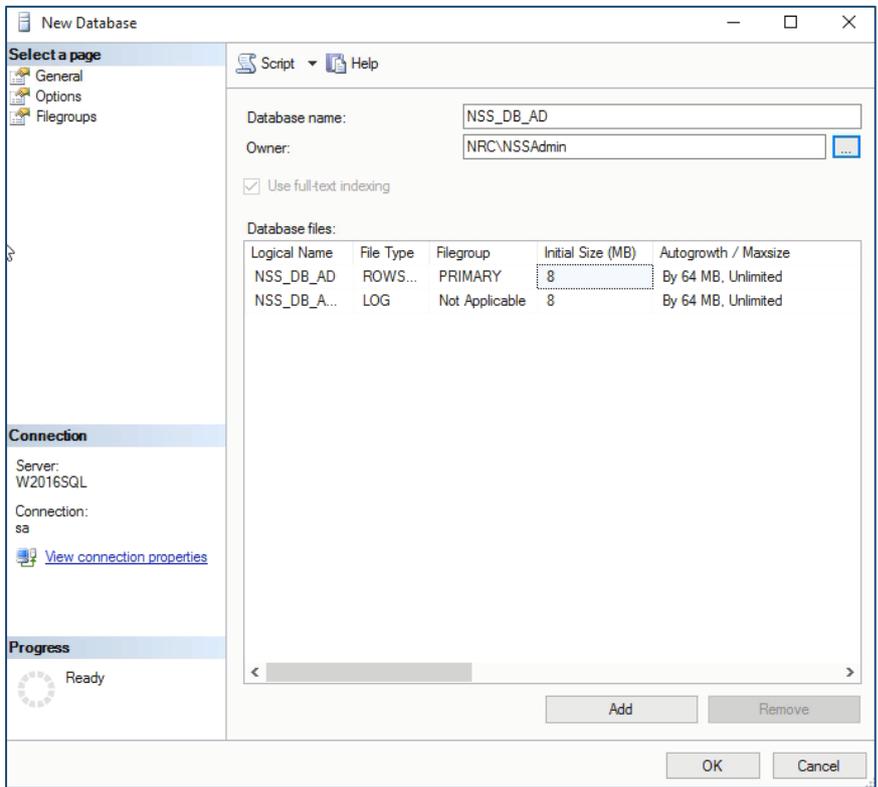
1. In SQL Server Management Studio, open Object Explorer and expand the Security folder.
2. Right-click the **Logins** folder and click **New Login...**
3. Search for the domain account user and make sure to select Windows authentication.



4. Click **OK**.

### 1.2.2 Create the NSS DB

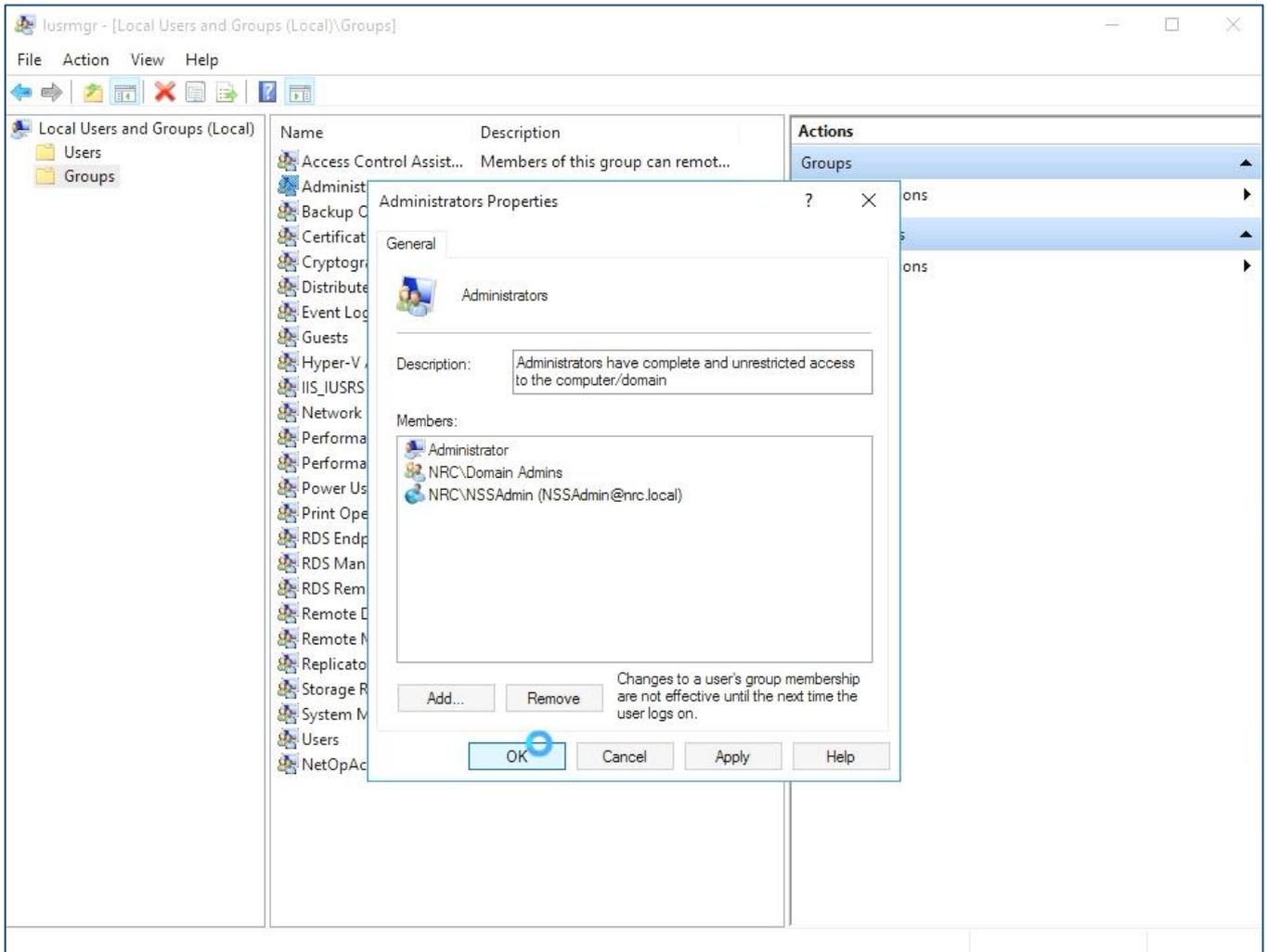
In the Object Explorer, right-click the **Databases** folder and click **New Database...** In the New Database window, type a name for the Netop Security Server database and make the domain account user the DB owner.



Click **OK**.

### 3. Install the Security Server

**Prerequisite:** On the machine where you will install the Netop Security Server, add the domain admin user to the Windows Local Administrator list.



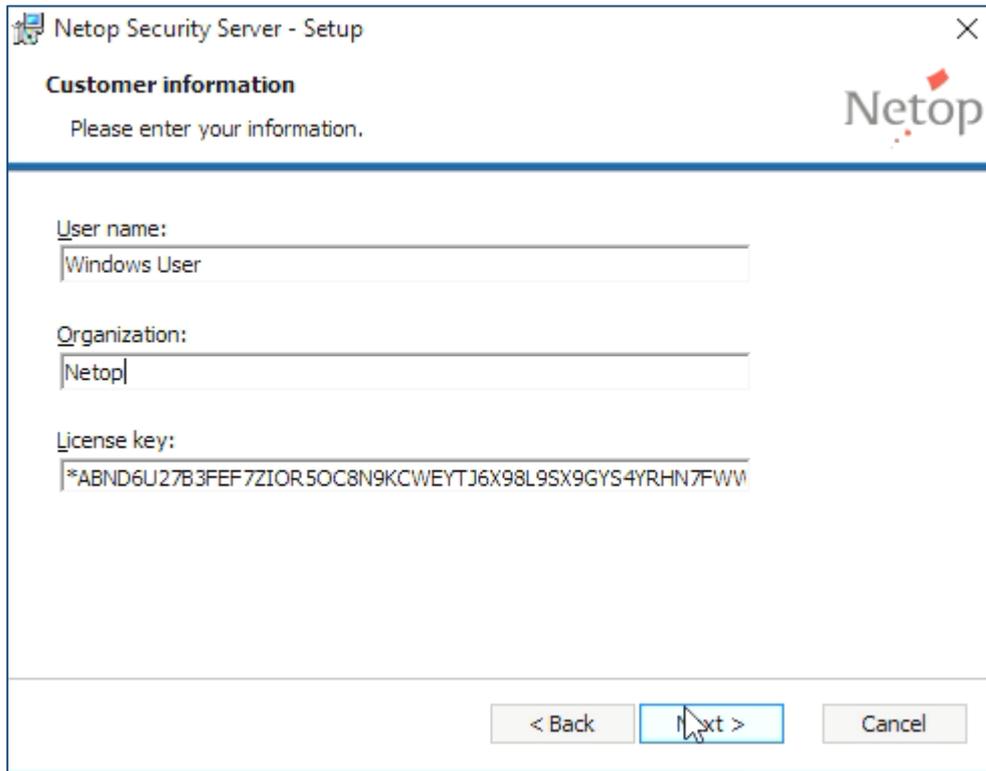
1. Log into the Windows Server console using the account with local administrator rights (the one mapped with teh NSS DB on the SQL server).
2. Go to the folder you have saved the Netop Remote Control Security Server MSI and double-click it. The Netop Security Server – Setup will be displayed.



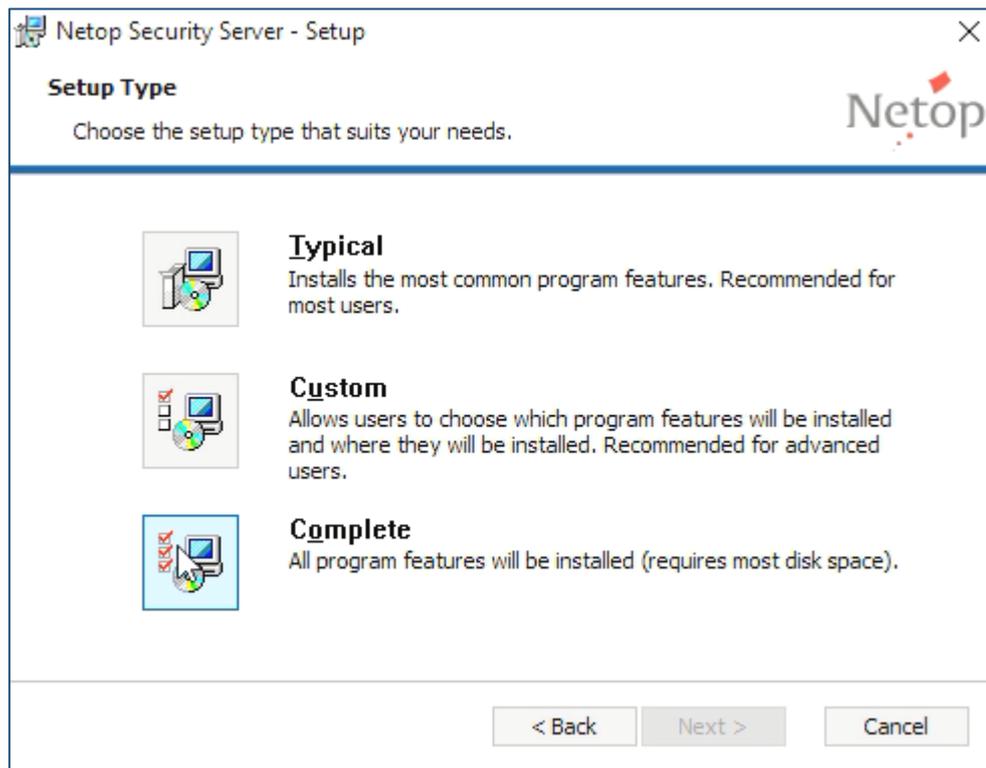
3. Click **Next**.
4. Accept the Netop End-User License Agreement.



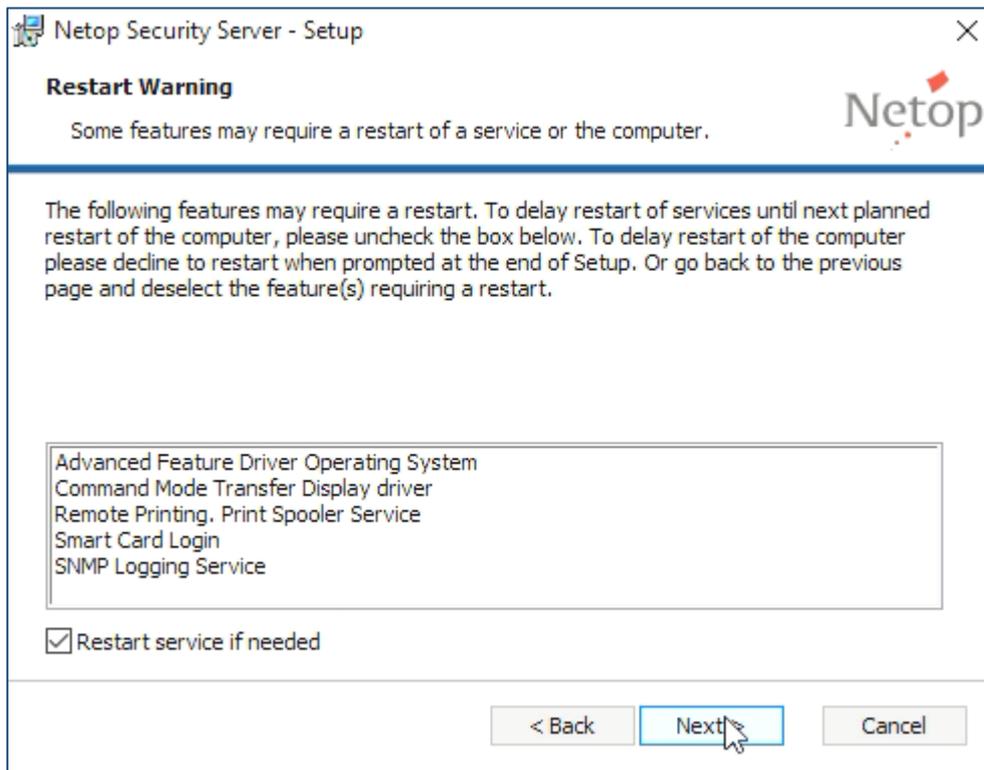
5. Click **Next**.
6. Enter the username, organization and the Netop Security Server Serial Number (sometimes referred to as the License Key).



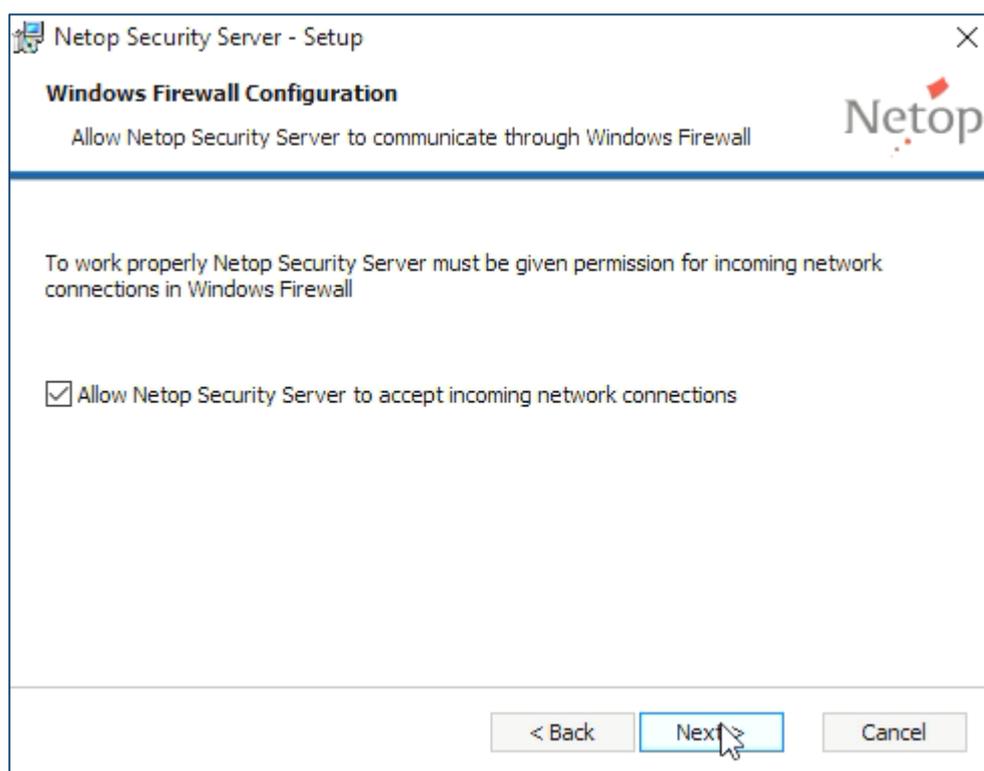
7. Click **Next**.



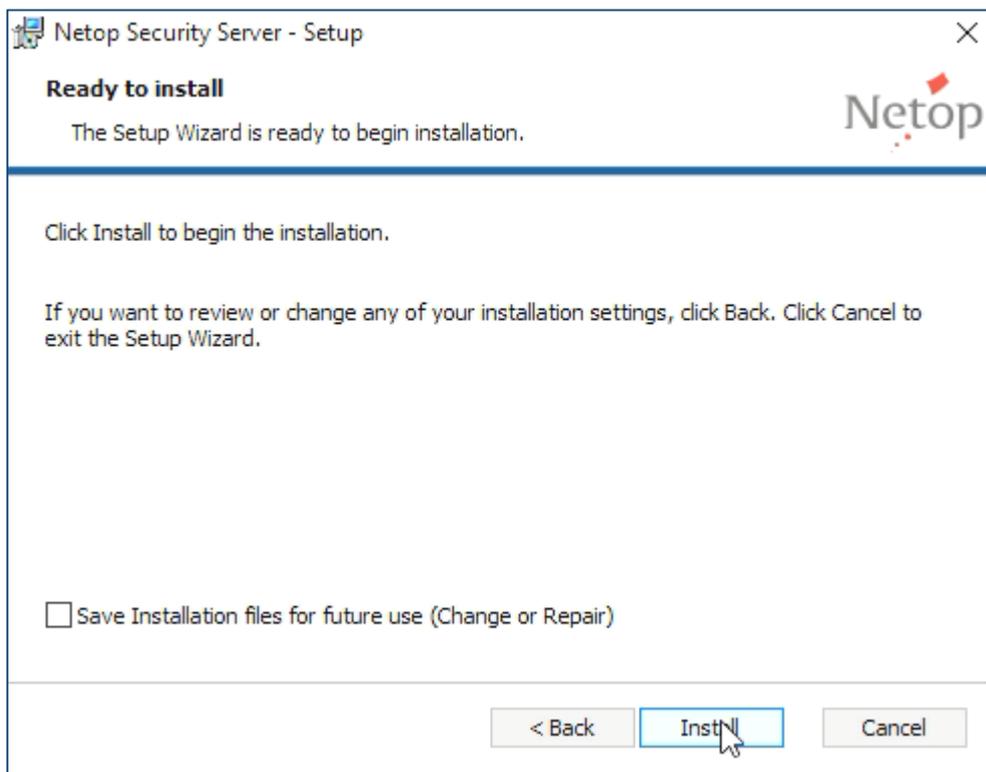
8. Select the **Typical** setup type.  
Some Netop features might require a restart of the Netop service or the computer.



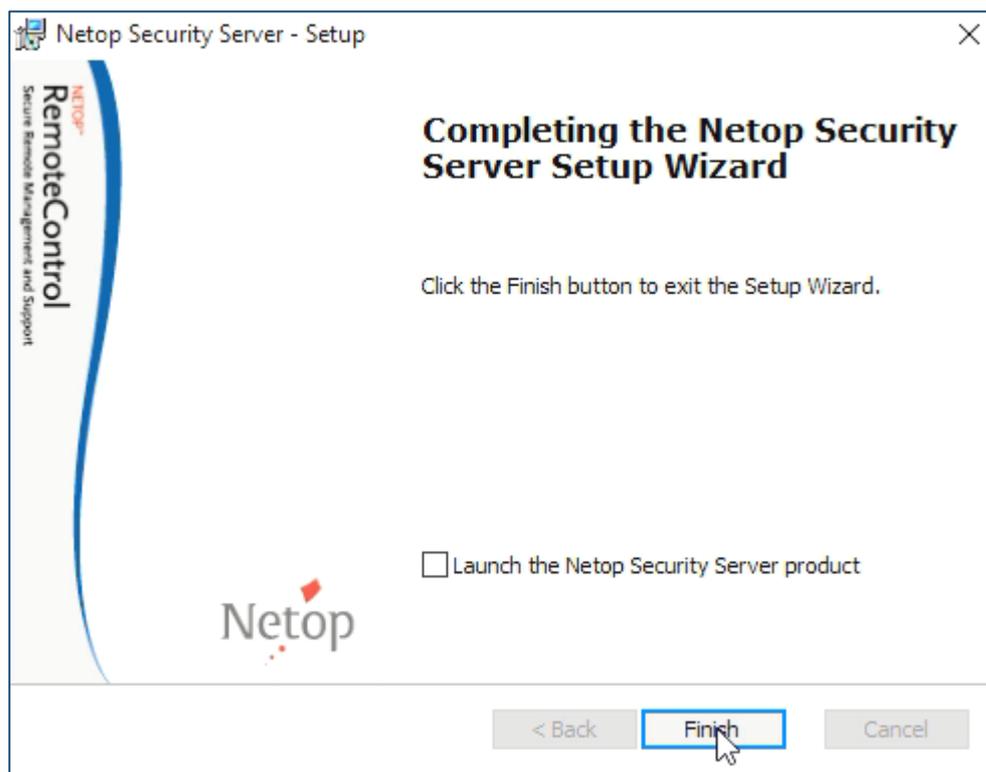
9. Make sure that the **Restart service if needed** option is checked.
10. Click **Next**.



11. Make sure that the **Allow Netop Security Server to accept incoming network connections** option is checked.
12. Click **Next**.



- 13. Optionally, you can choose to **Save Installation files for future use (Change or Repair)**.
- 14. Click **Install**.

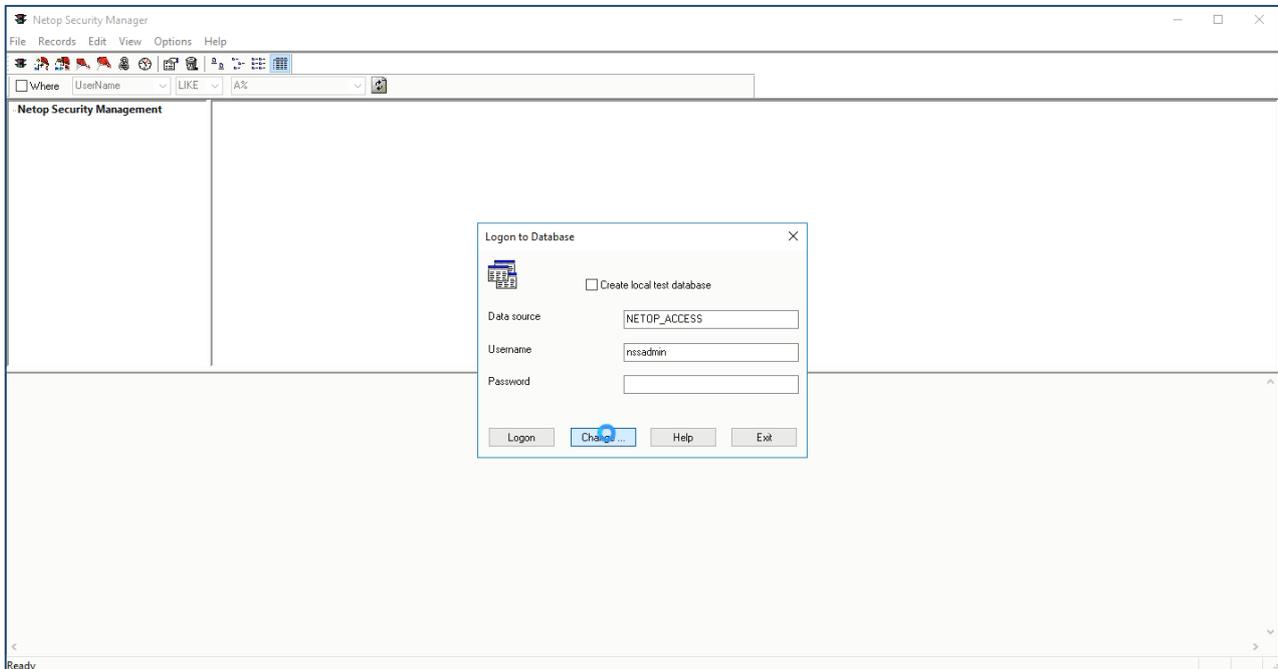


**IMPORTANT:** Uncheck the **Launch the Netop Security Server Product** checkbox.

- 15. Click **Finish**.

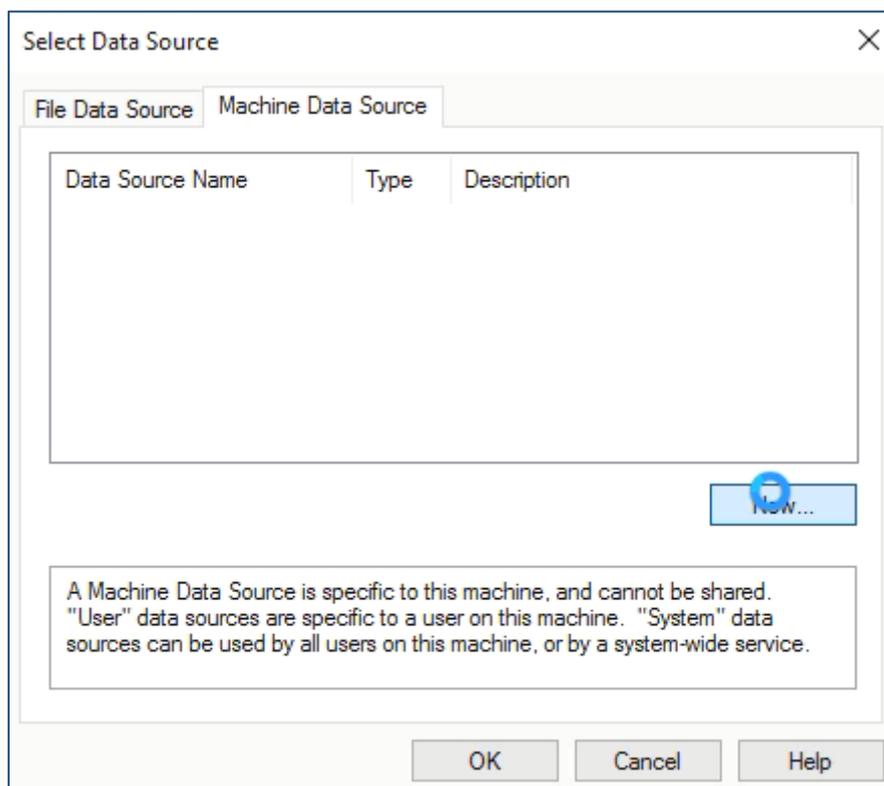
## 4. Configure the Security Server

1. From the Windows desktop go to the Start > **All Programs** > **Netop Remote Control** and run as administrator the **Security Manager**. The Netop Security Manager Setup Wizard will be displayed.
2. In the Logon to Database dialog box, make sure that the **Create local test database** option is not selected and click **Change**.



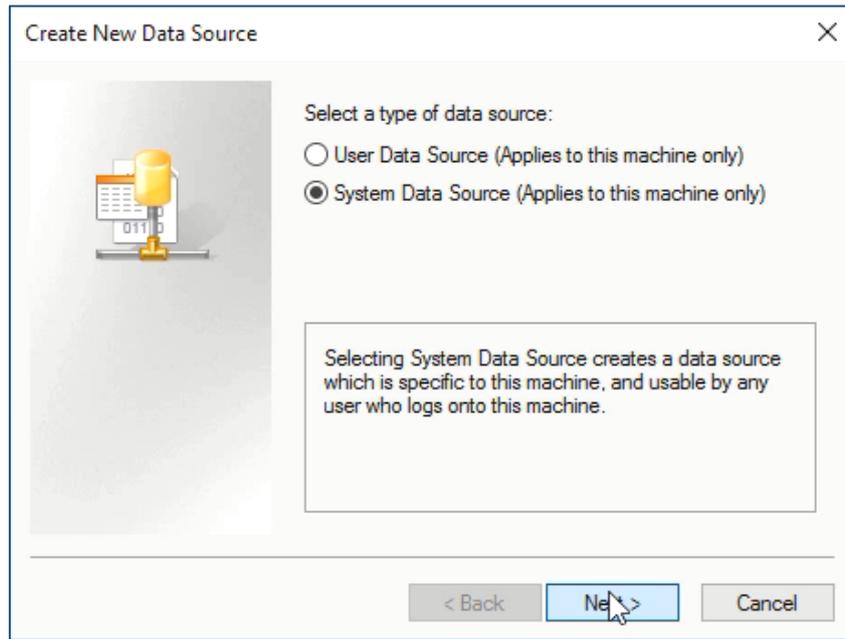
The Select Data Source dialog box will be displayed.

3. Select the **Machine Data Source** tab.

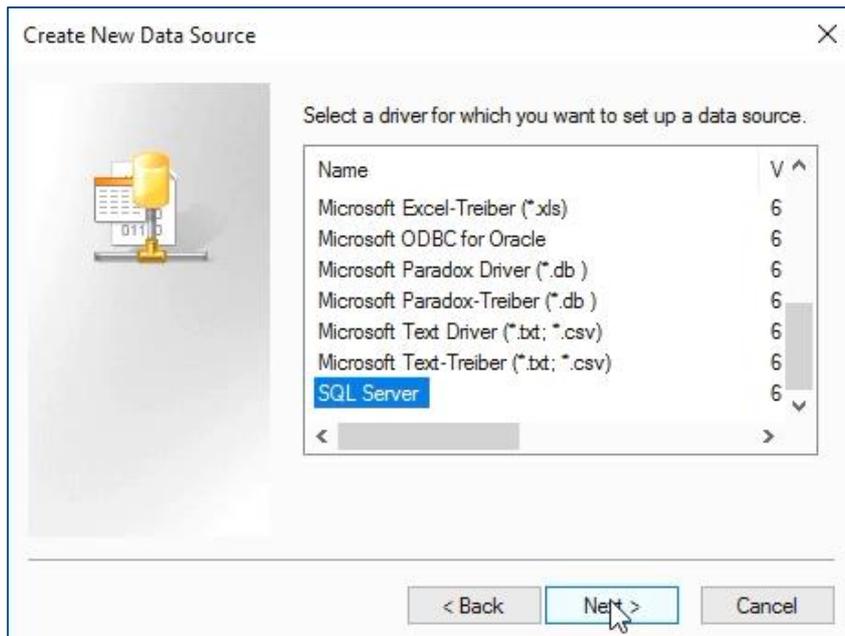


4. Click **New**.

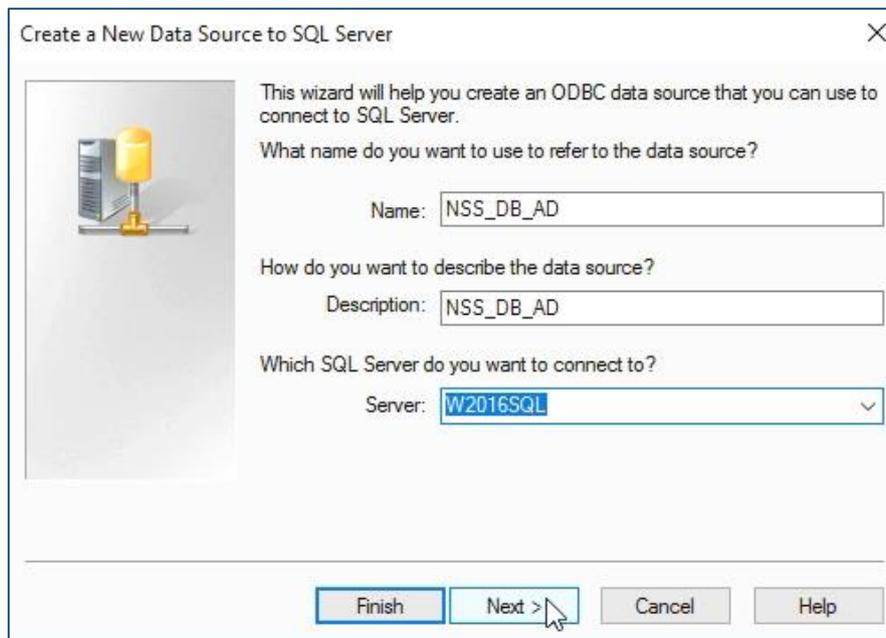
- In the Create New Data Source dialog box, select **System Data Source (Applies to this machine only)**.



- Click **Next**.
- Select **SQL Server** as driver for which you want to set up a data source.

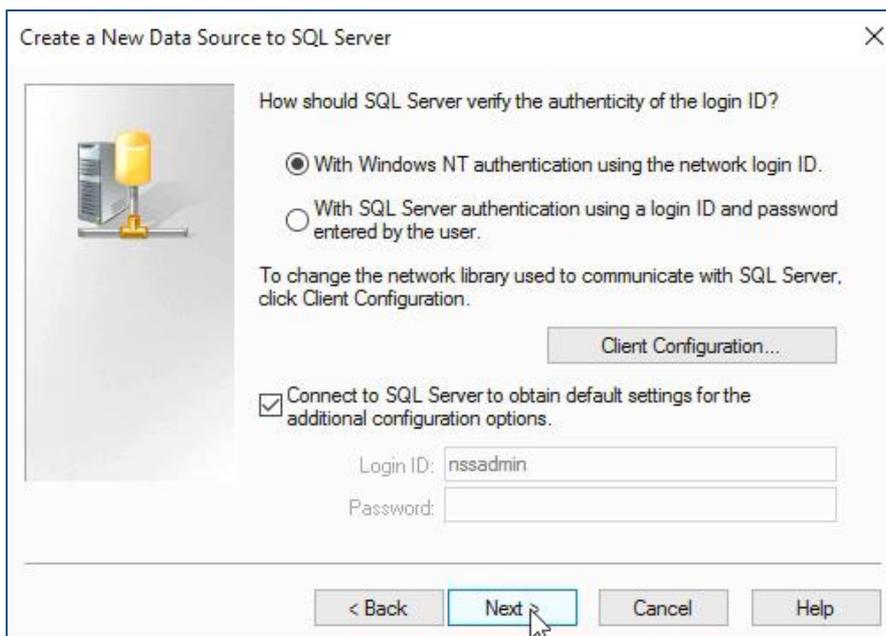


- Click **Next**, then click **Finish**. The Create a New Data Source to SQL Server wizard will be displayed.
- Type a name for the data source and from the **Server** drop-down list select the MS SQL server you will connect to:

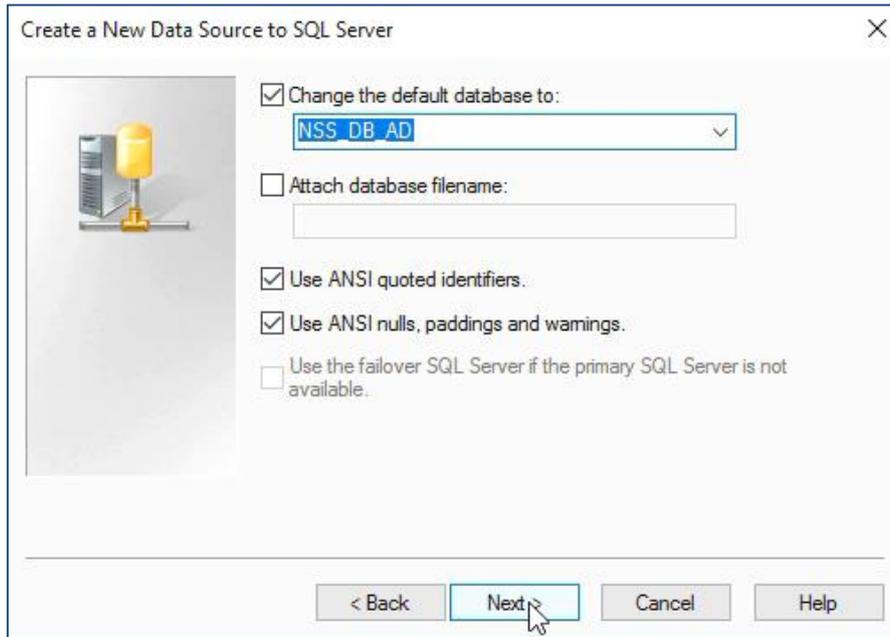


10. Click **Next**. Make sure that the following options are selected:

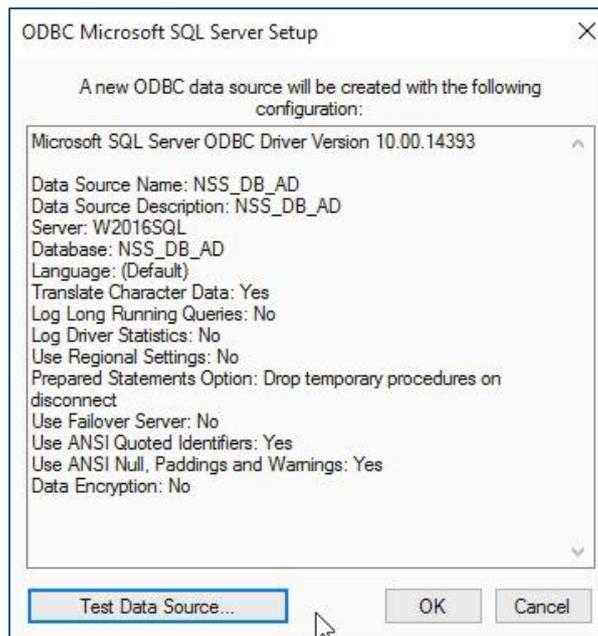
- With Windows NT authentication using the network login ID
- Connect to SQL Server to obtain default settings for the additional configuration options.



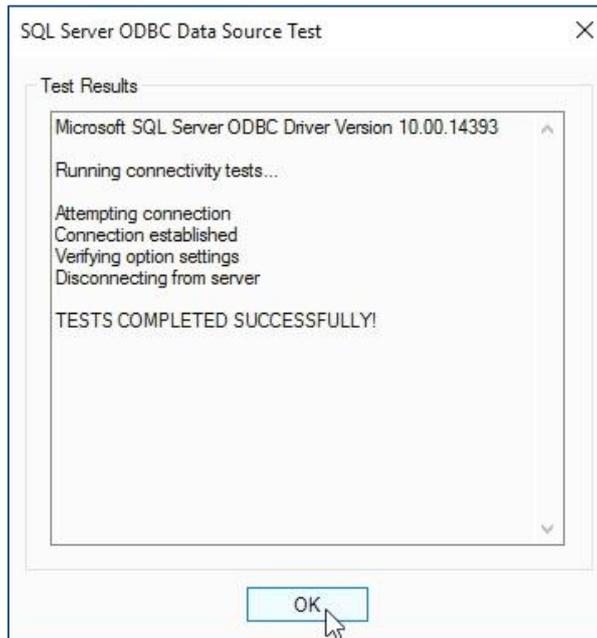
11. Click **Next**.
12. Select **Change the default database to** <the Netop Security Server DB, as defined in the SQL Servers>:



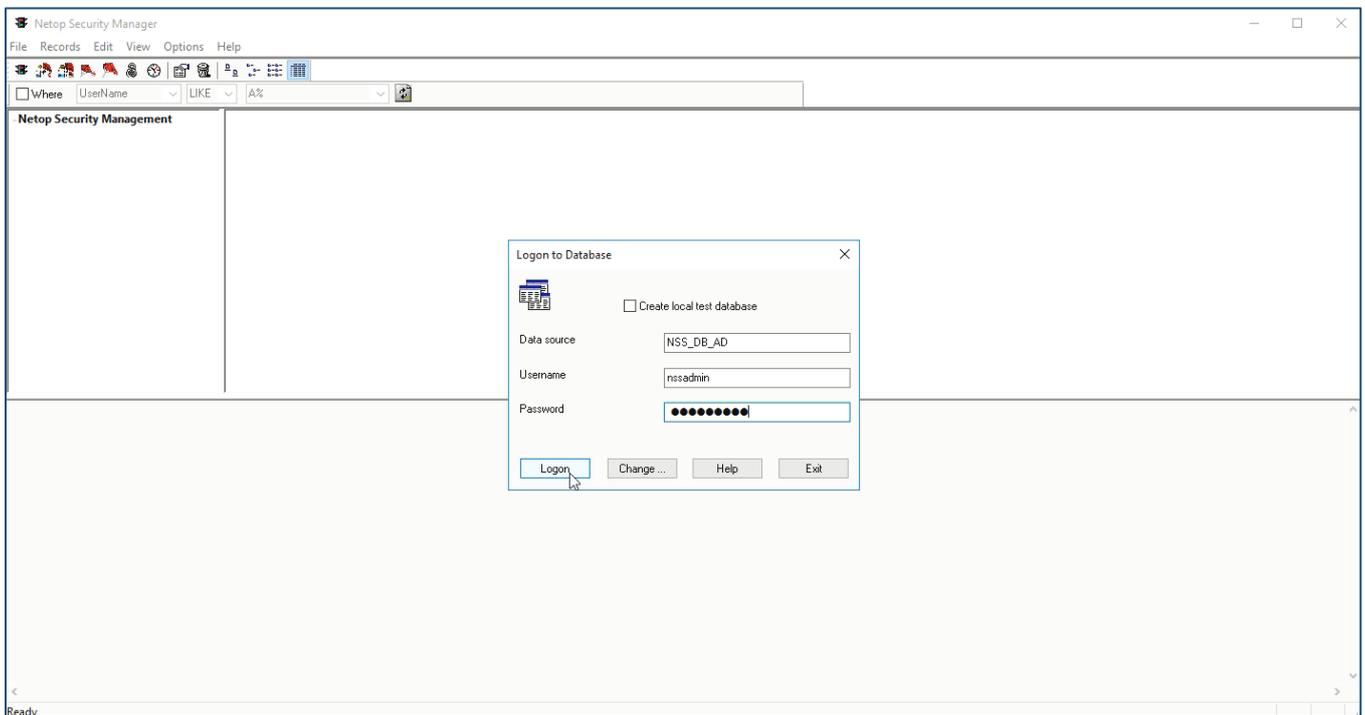
13. Click **Next**, then click **Finish**. The ODBC Microsoft SQL Server Setup dialog box will be displayed:



14. Test the data source. If successful, click **OK**.

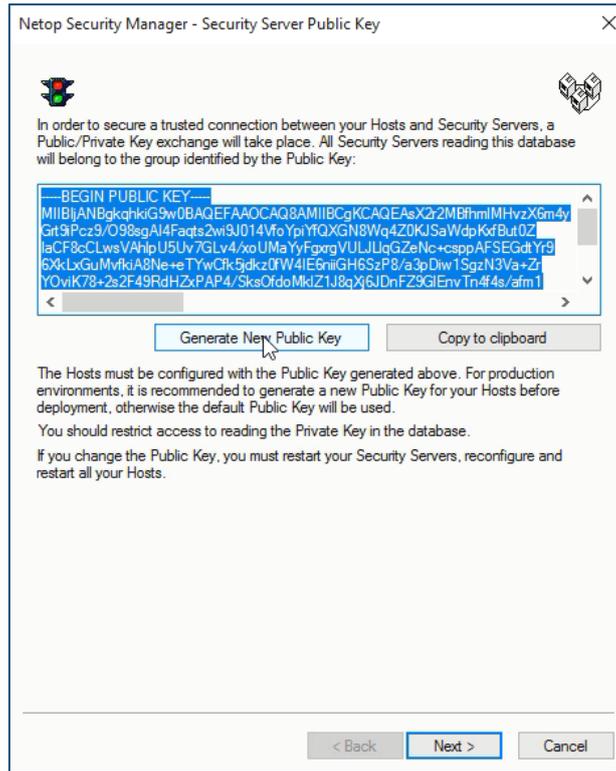


15. Click **OK** three times to reach the Logon to Database dialog box.



16. Enter the password and click **Logon**.

17. In the Netop Security Server – Security Server Public Key dialog box, click to **Generate New Public Key**.

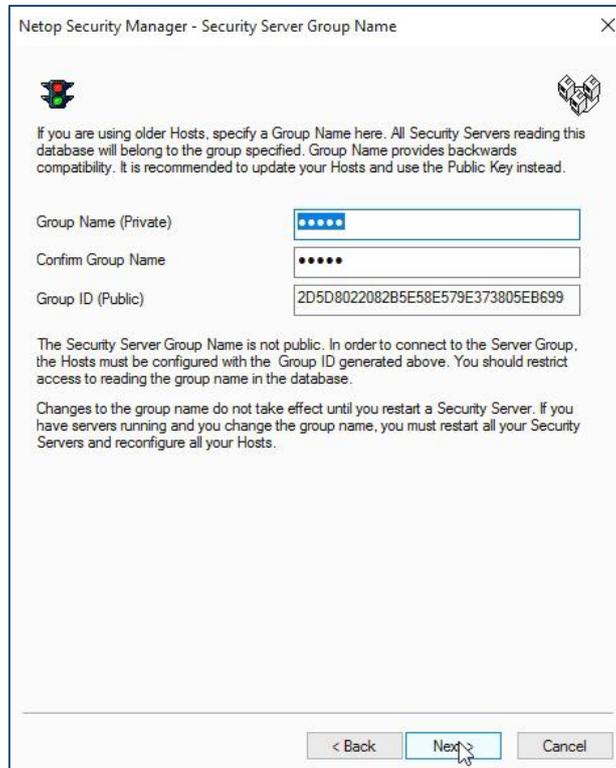


18. Click **Generate New Public Key**.

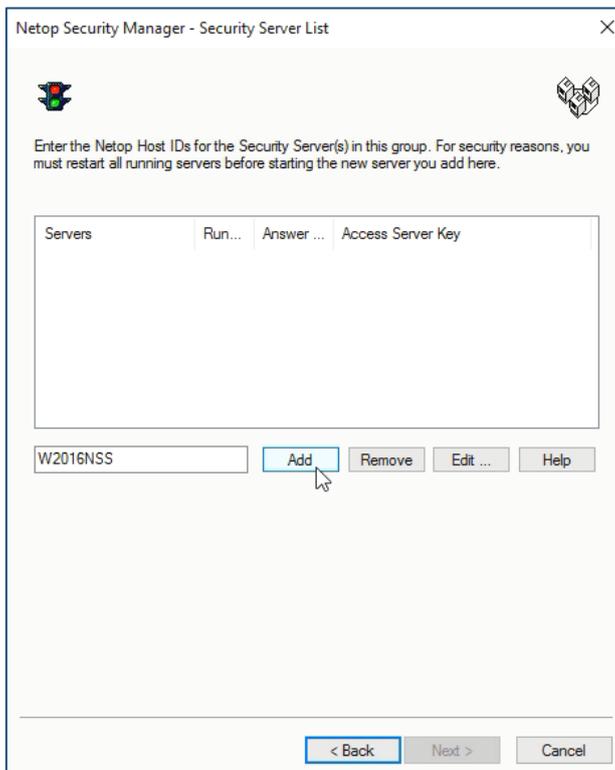
19. Select the public key generated then click **Copy to clipboard**.

20. Click **Next** twice.

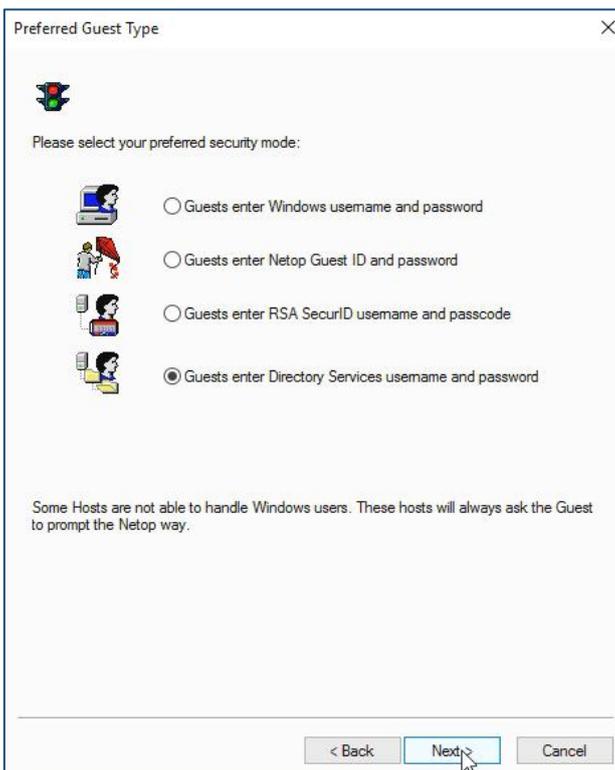
21. In the **Group Name (Private)** field enter your domain and re-enter it in the **Confirm Group Name** field.



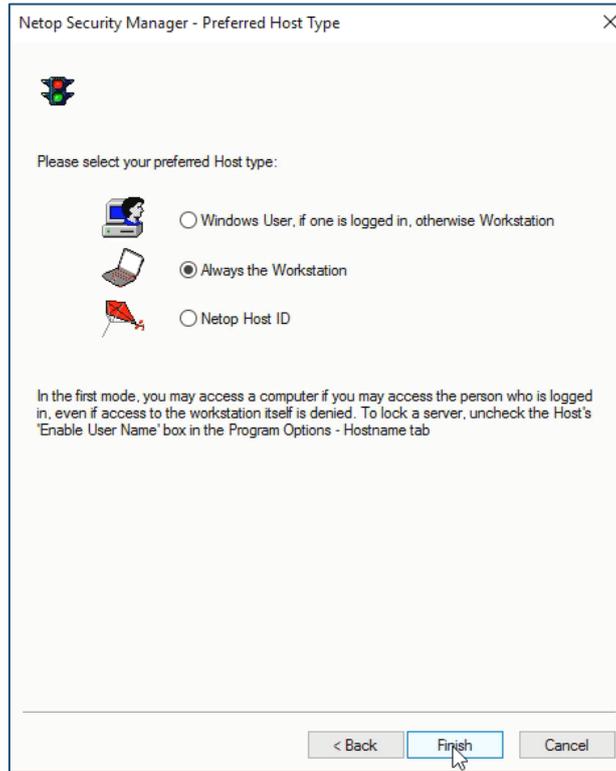
22. Click **Next**. The Security Server list will be displayed. The name of your Security Server will appear in the server field.



- 23. Click **Add** to add your Security Server to the database, then click **Next**.
- 24. Select **Guests enter Directory Services username and password**.



- 25. Click **Next** and select **Always the Workstation**.



26. Click **Next**, then close Netop Security Manager.

Open a txt file and paste the Security Server Public Key you have previously saved to clipboard.

## 5. Launch the Security Server module and run the setup wizard

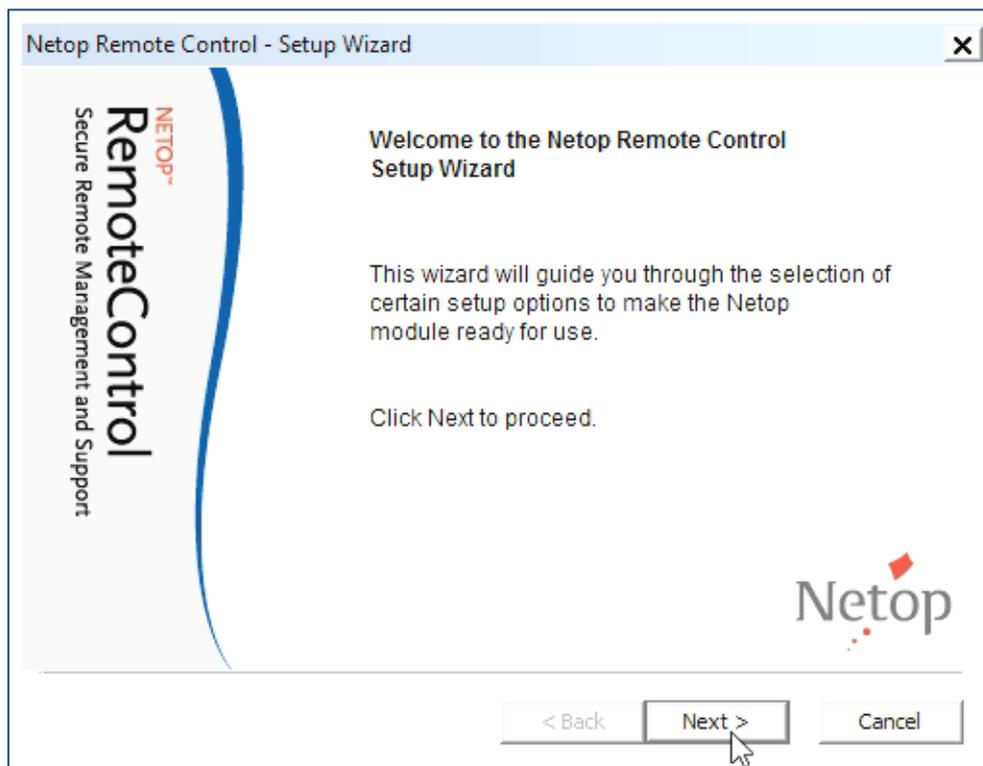
1. From the Windows desktop go to the Start menu and select **All Programs > Netop Remote Control > Security Server**.

It is required that you select to **Run Host as specific user** by checking the **Enable** box.

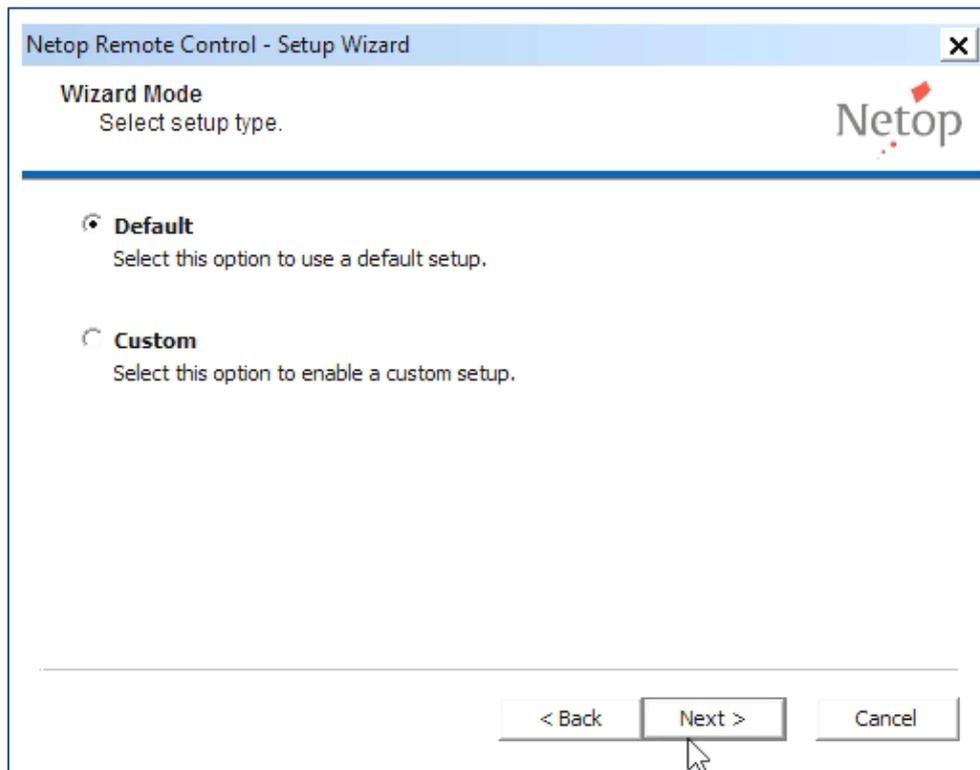
2. Enter Windows credentials that have been added to the Local Administrators Group on this server.



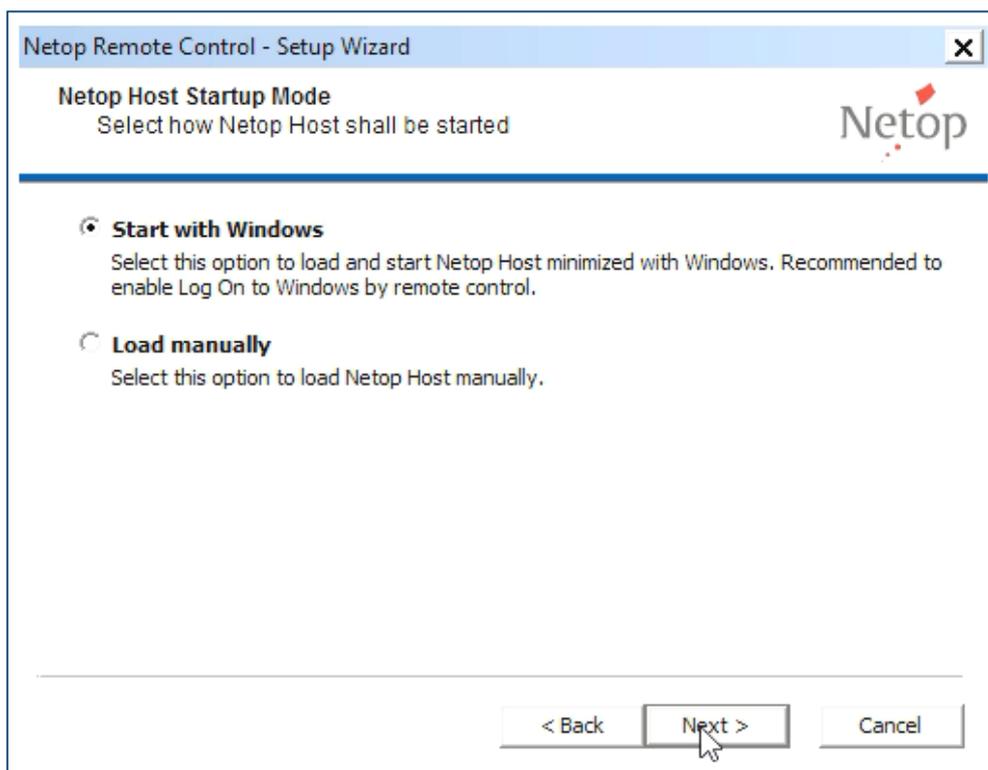
3. Click **OK**. The Netop Security Server Setup Wizard will be displayed.



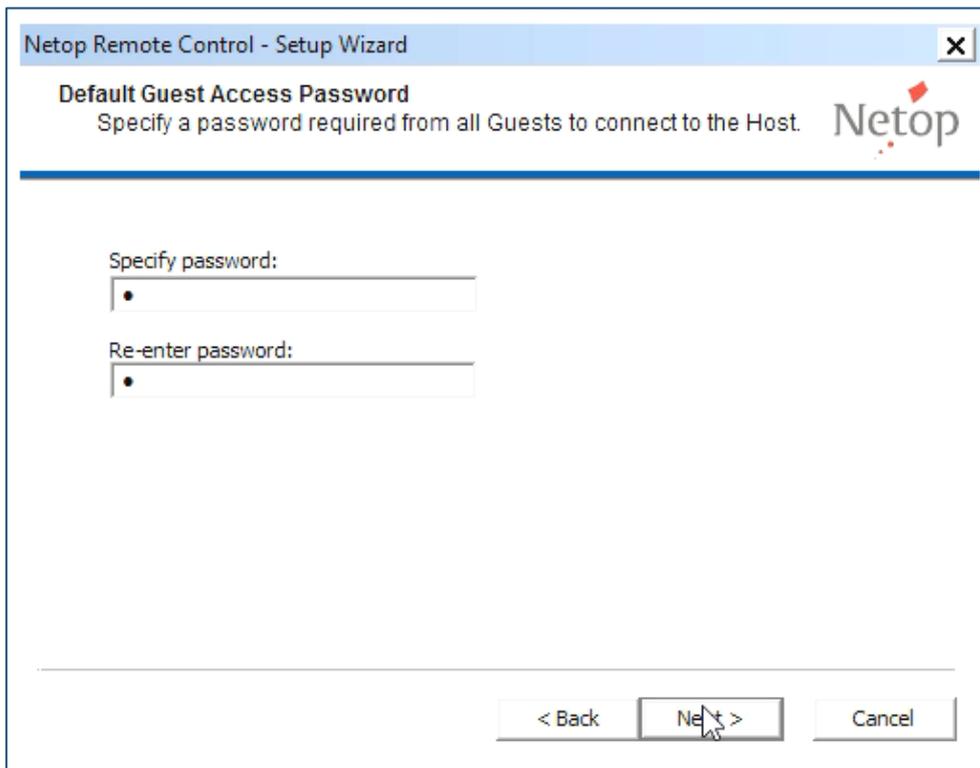
4. Click **Next**.



5. Make sure that the **Default** option is selected.
6. Click **Next**.

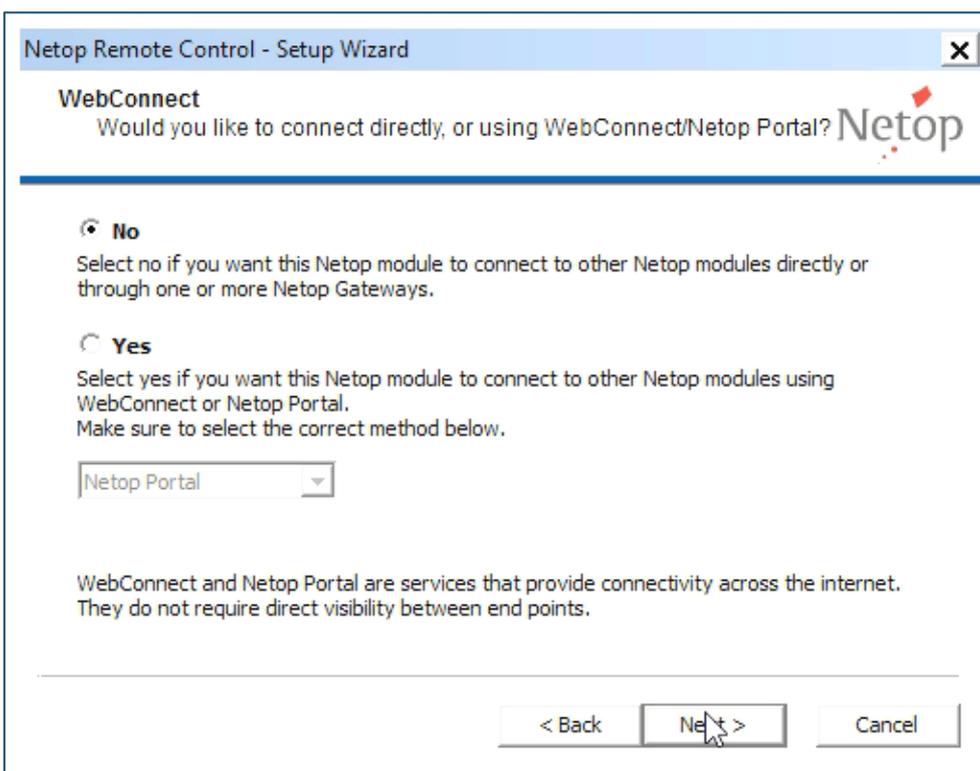


7. Make sure that the option to **Start with Windows** is selected.
8. Click **Next**.
9. Enter a secure password that can be used later to remote control the Security Server from your Netop Guest. Make sure to confirm the password.



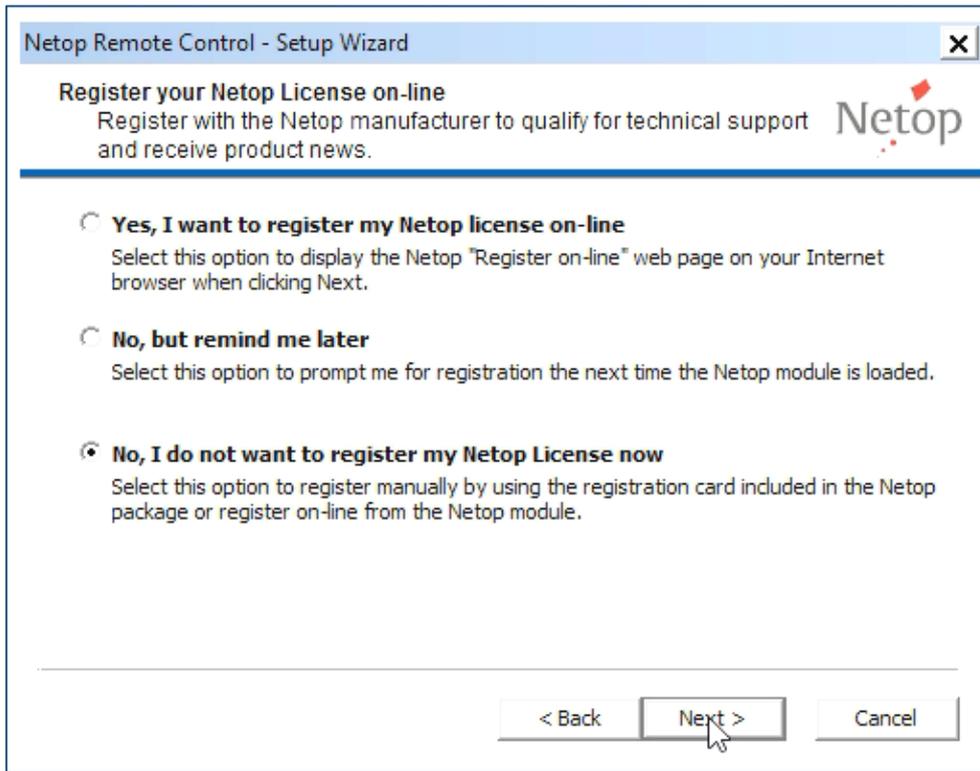
10. Click **Next**.

11. Make sure that you choose not to configure WebConnect by selecting **No**.

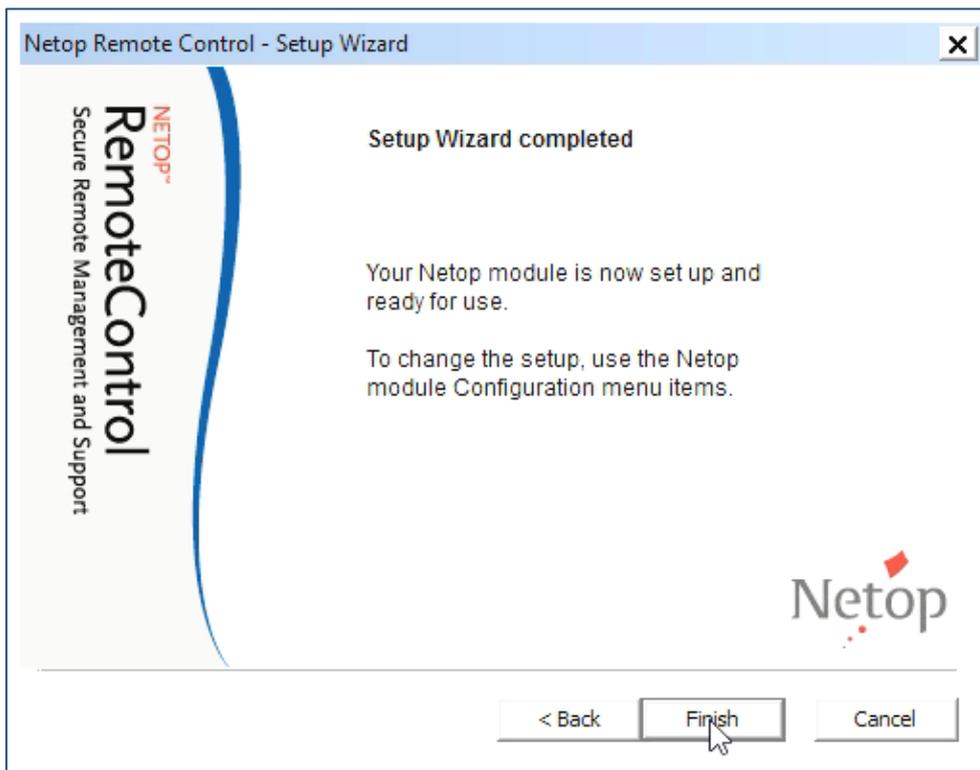


12. Click **Next**.

13. Select the **No, I do not want to register my Netop License now** option.



14. Click **Next**.

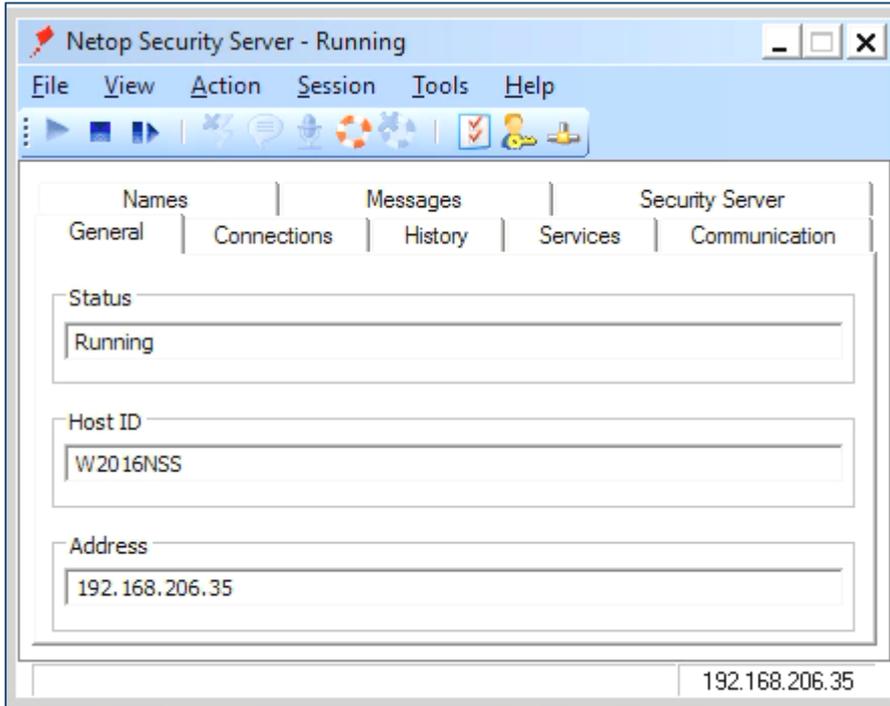


15. Click **Finish**.

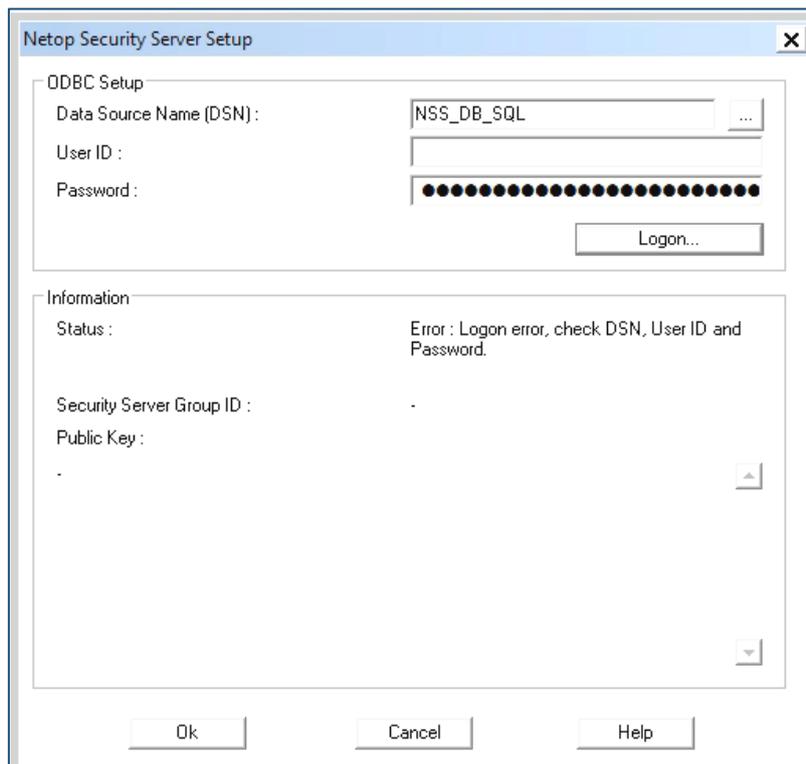
16. The Netop Security Server is now running. The Netop Security icon appears in the system tray.



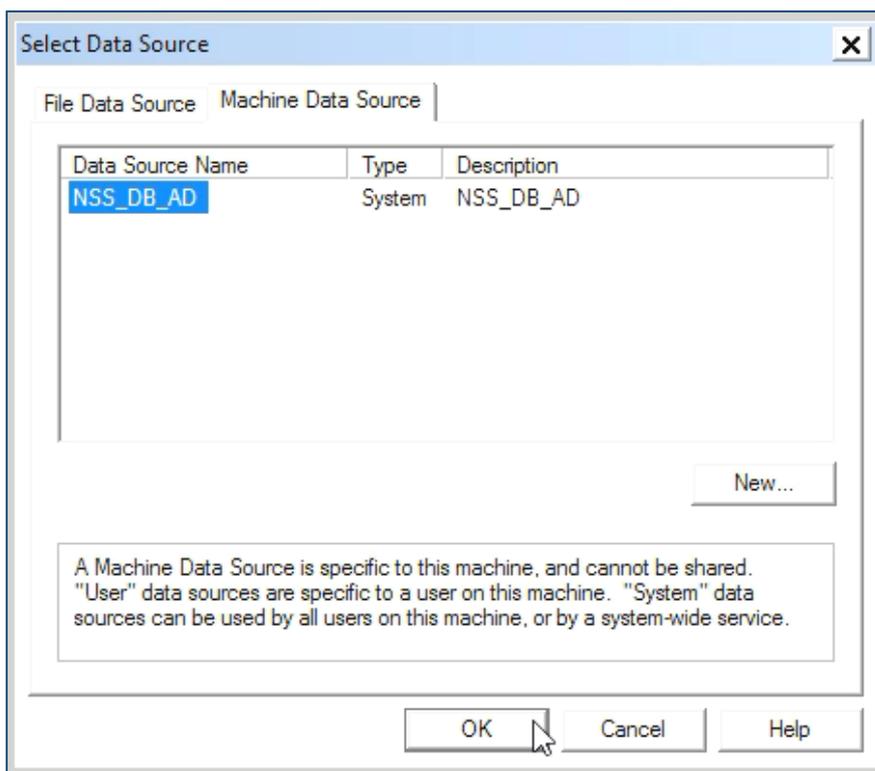
17. Right click on the icon and select **Restore**.



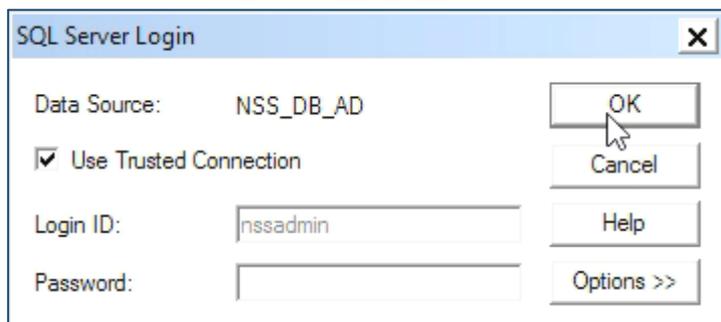
18. Go to the **Tools** menu and select **Security Server Setup**. The database setup will be displayed.



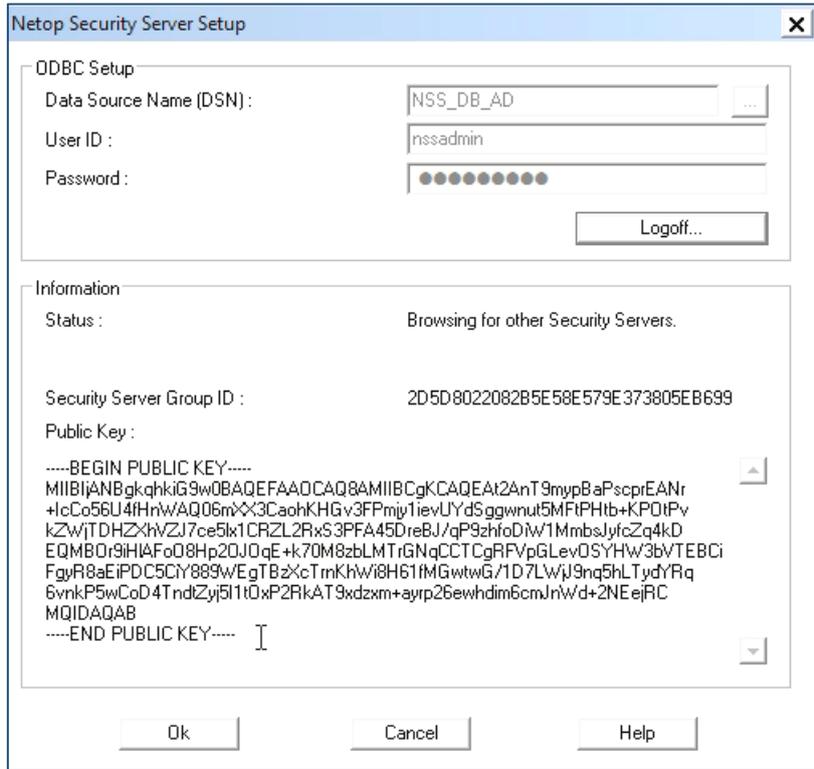
19. In the upper-right corner of the page, click the ellipsis button. The Select Data Source page will be displayed from where you will select the desired database.



20. Click the **Machine Data Source** tab, select the **NetOp\_Security\_Evaluation** data source name and click **OK**.

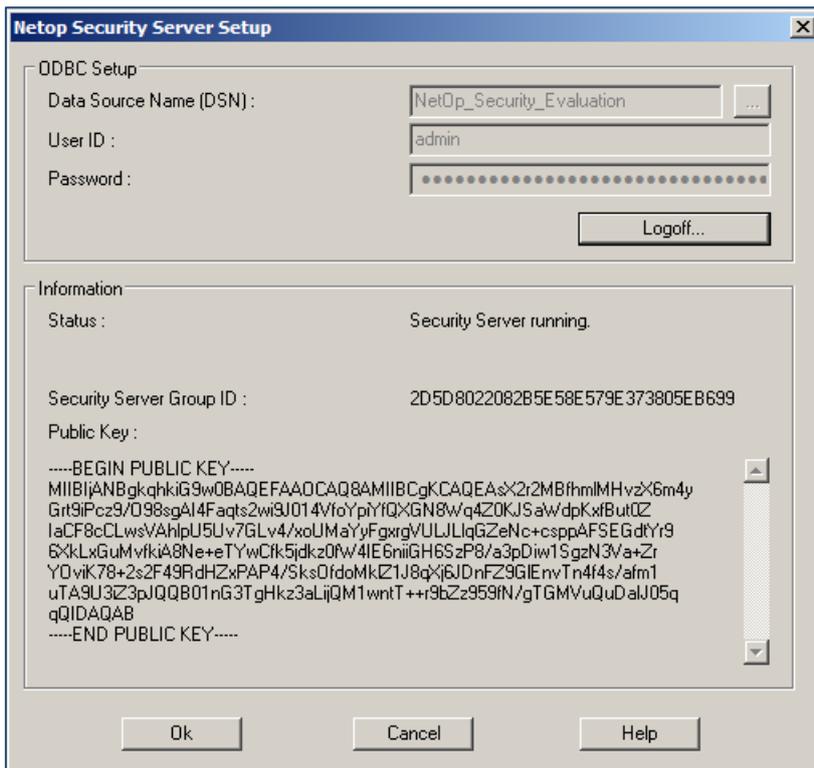


21. No need to enter credentials; just click **OK**.



22. Click the **Logon** button.

23. Wait until you see the Information Status: “Security Server running.”

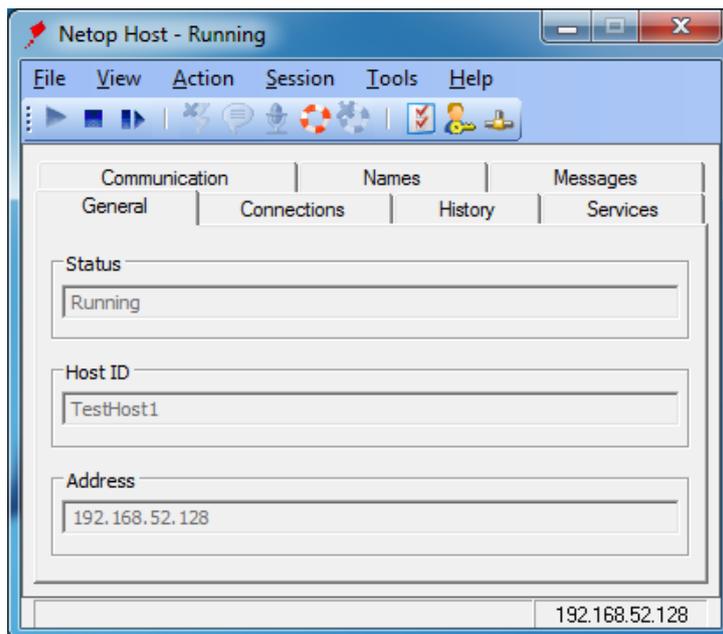


24. Click **OK**.

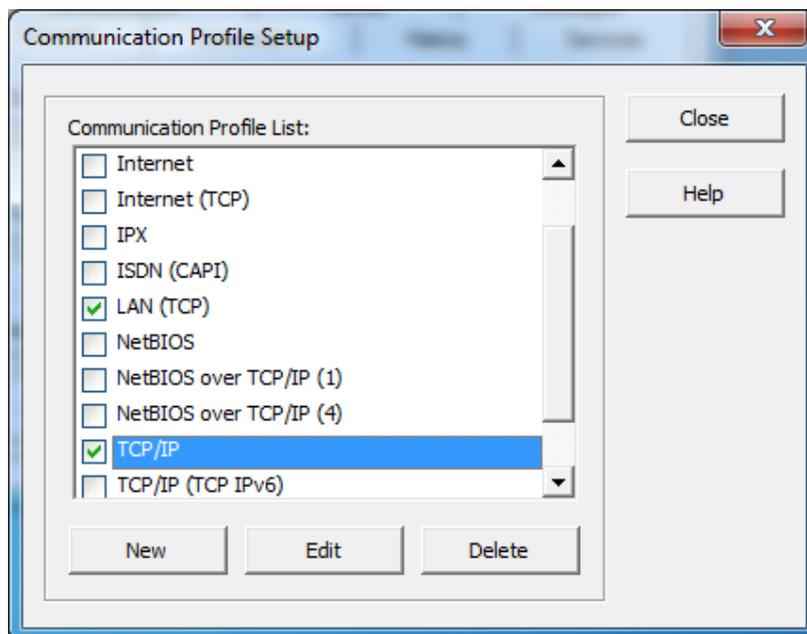
25. Restart the Netop Security Server.

## 6. Configure the Host to use Security Server

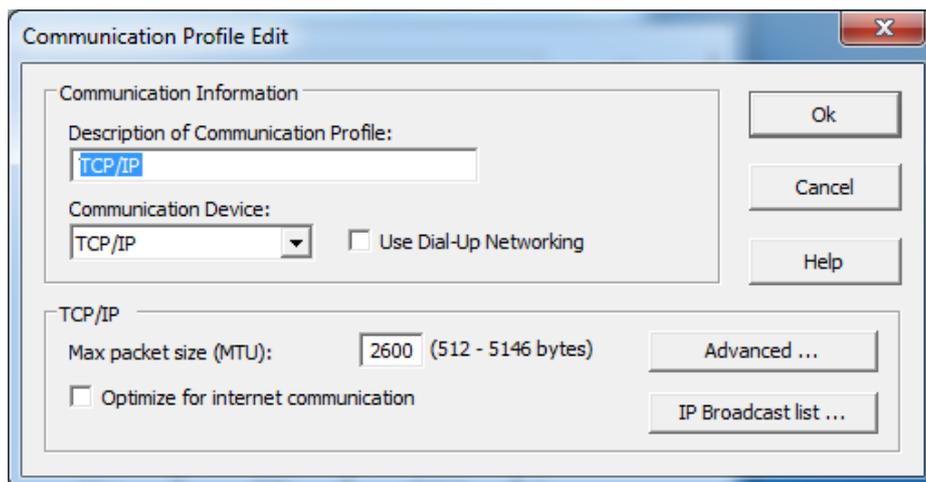
1. Open GUI of the Host you want to use with Security Server.



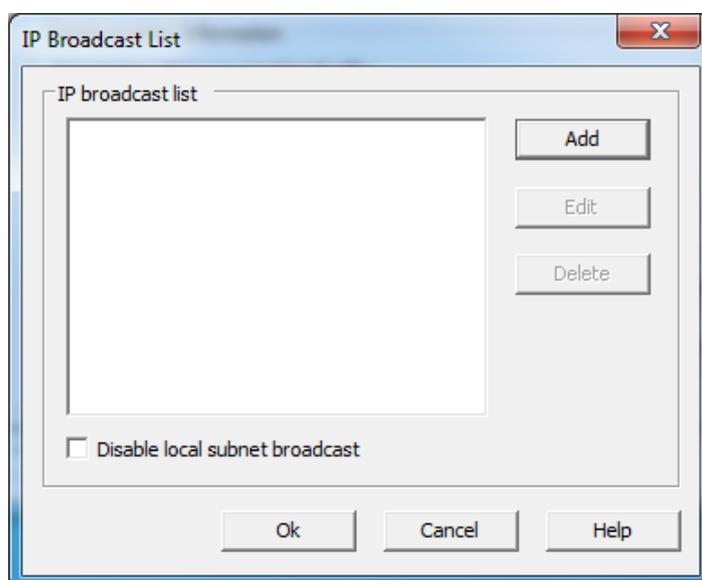
2. Make a note of the **Host ID** as it is displayed in the General tab. You might want to use this ID later when making role assignments in the Security Manager.
3. On the main menu click **Tools** and select the **Communication Profiles** option. The Communication Profile Setup will be displayed.



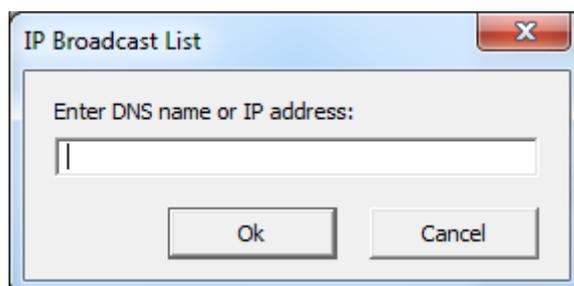
4. Make sure that the TCP/IP communication profile is selected. Click on it then click the **Edit** button.



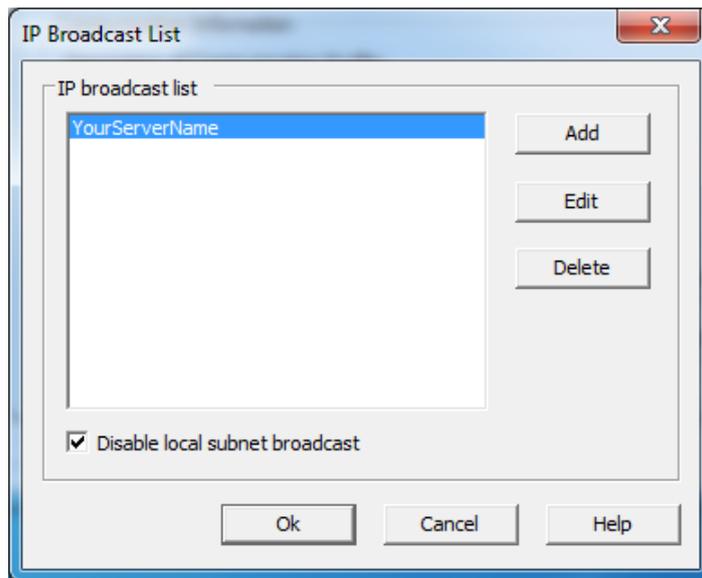
5. Click the **IP Broadcast list...** button.



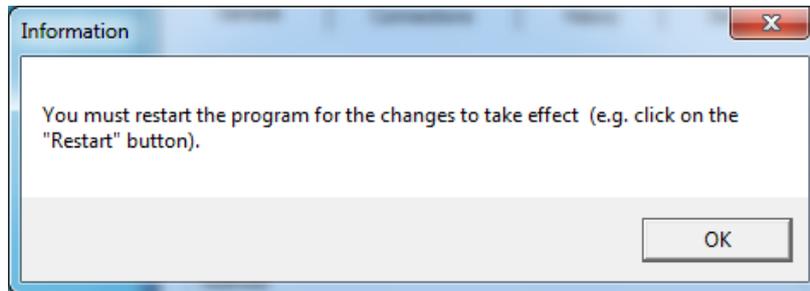
6. Click the **Add** button.



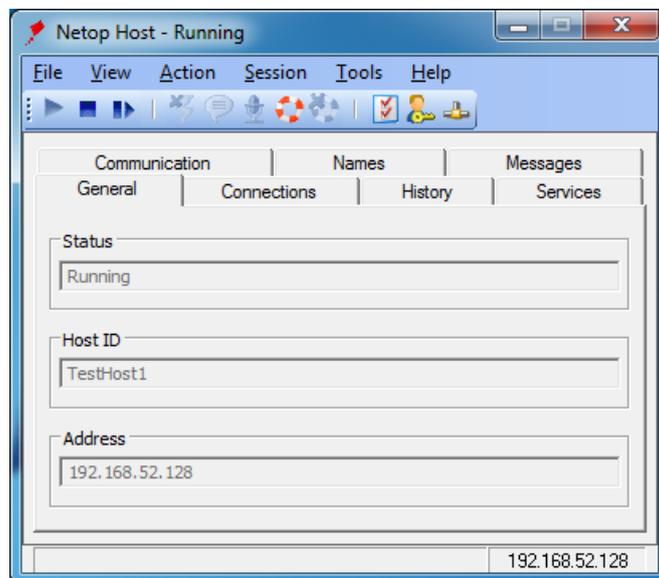
7. Enter your Security Server's **DNS name or IP address** and click **OK**.



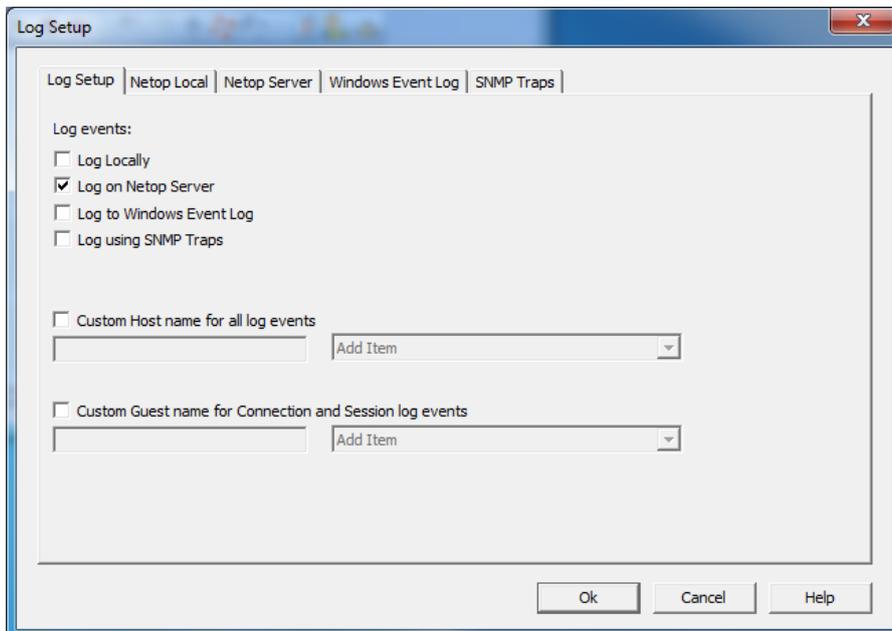
8. Optionally, you might unselect to **Disable local subnet broadcast**.
9. Click **OK** twice then click **Close**. You will be prompted to restart the Host.



10. Click **OK**.

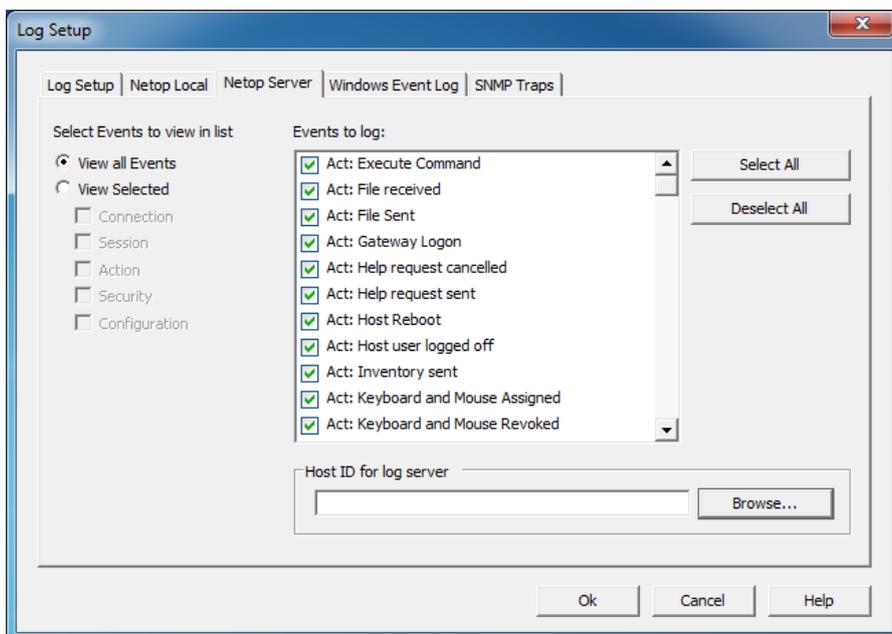


11. On the main menu, click **Actions** and select **Restart**.
12. Once the Host's status returns to running on the main menu click **Tools** and select the **Log Setup** option.



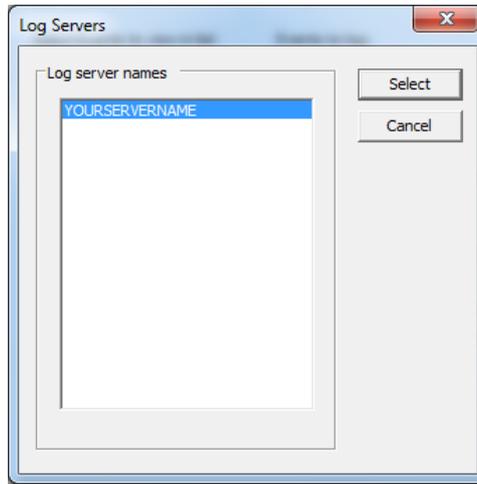
13. Select the **Log on Netop Server** option.

14. Click the **Netop Server** tab.

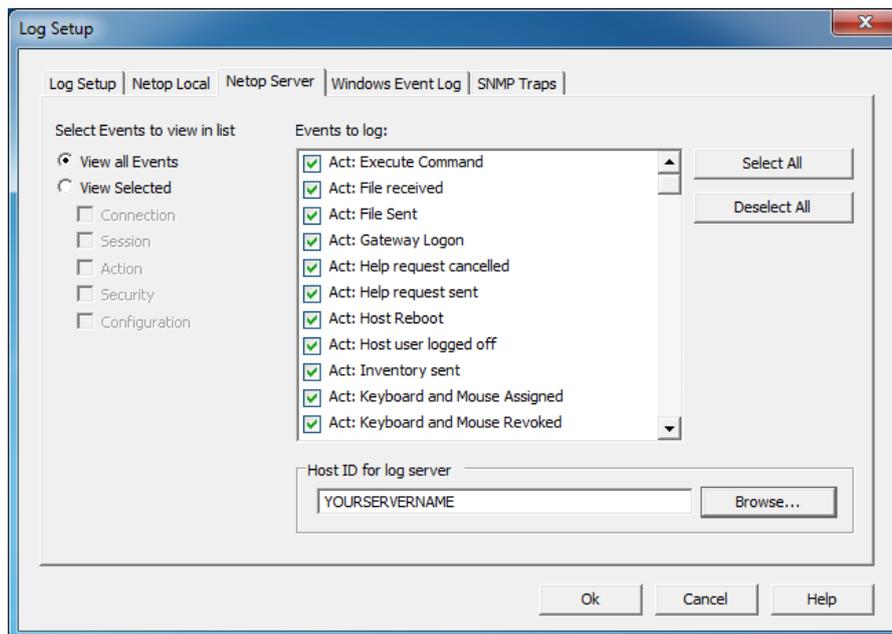


15. Click the **Select All** button to enable logging of all Netop events.

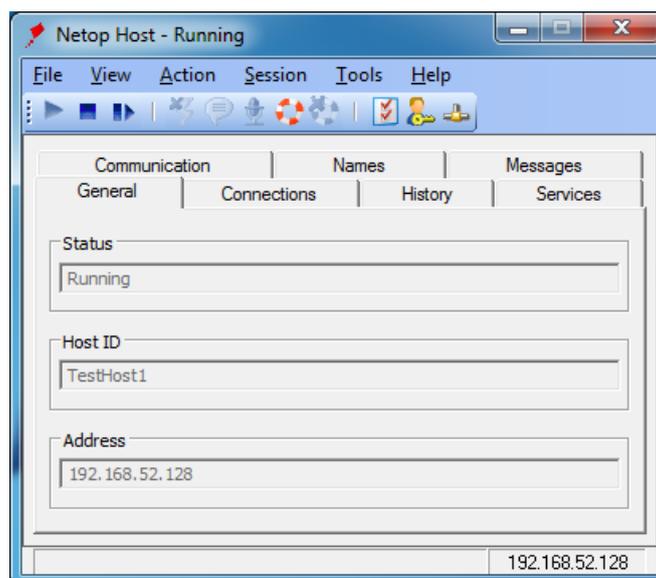
16. Click the **Browse...** button. You will be prompted to wait until the Log Servers list will be displayed. Your Netop Security Server will be shown in the list.



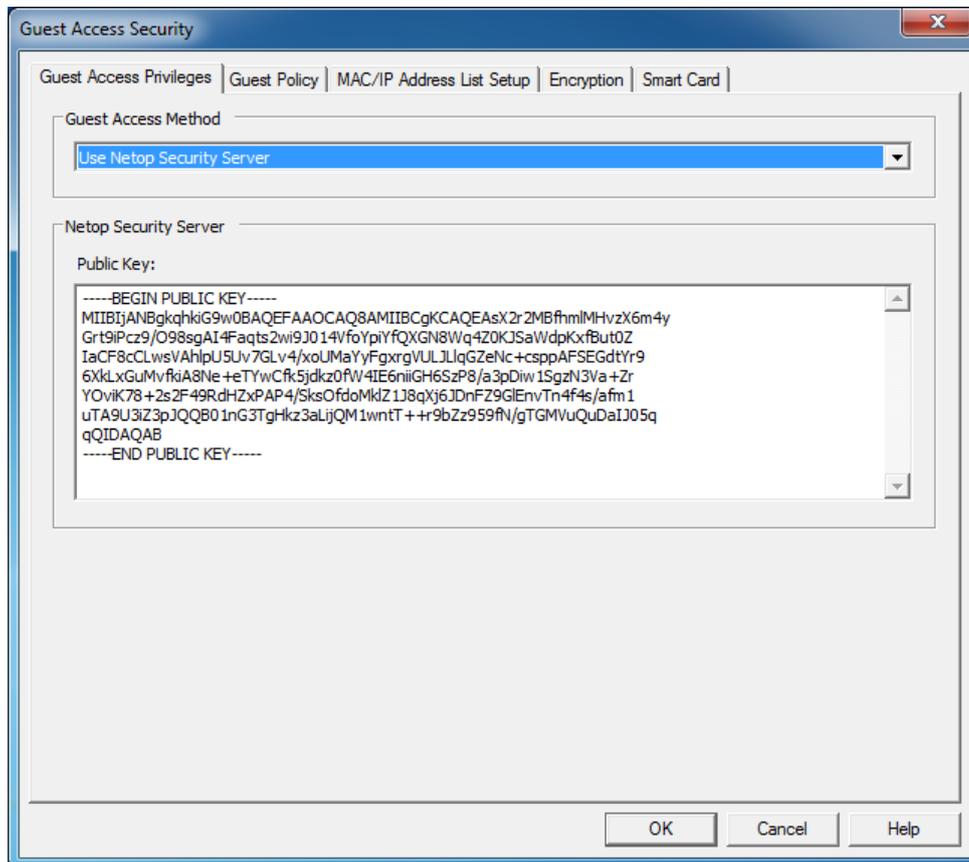
17. Select the server name from the list and click the **Select** button.



18. Click **OK**. The Netop Host is checking if the log server is available.



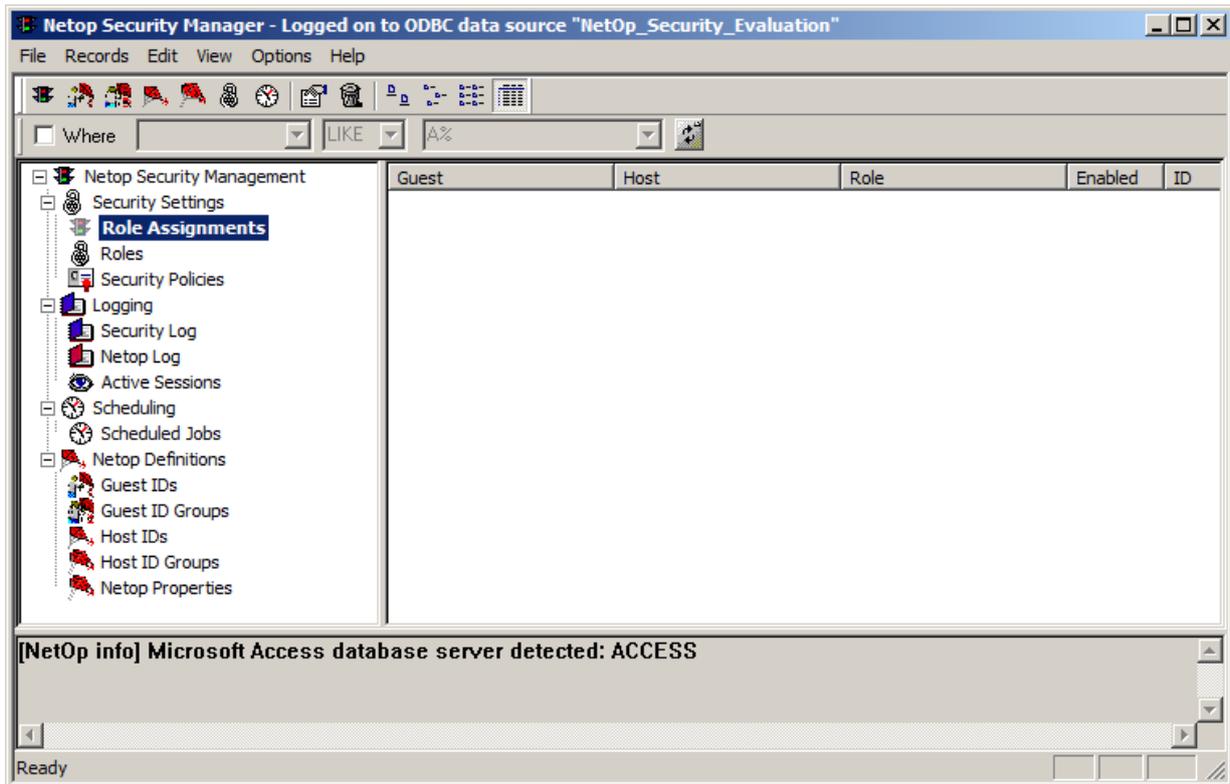
19. On the main menu click **Tools** and select the **Guest Access Security** option.



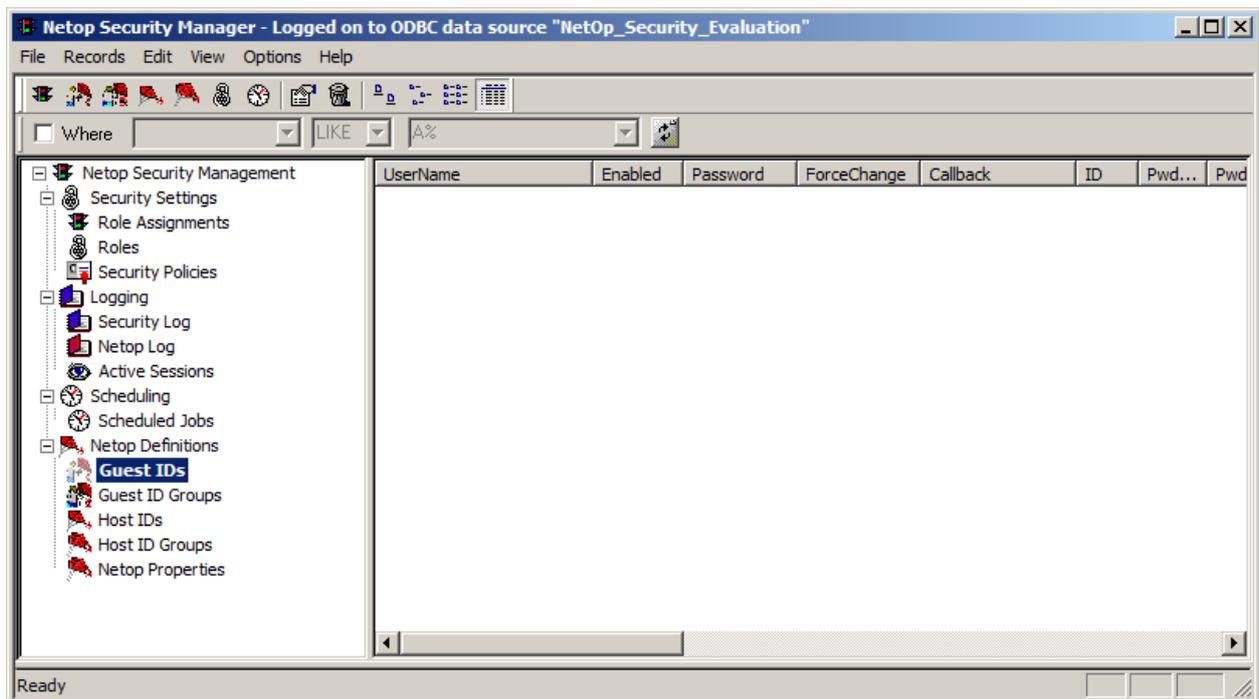
20. From the **Guest Access Method** drop-down list select the **Use Netop Security Server** option.
21. Copy and paste the Public Key from the Public Key text file that you made while setting up the Netop Security Manager.
22. Click **OK**.

## 7. Configure the Security Role Assignment

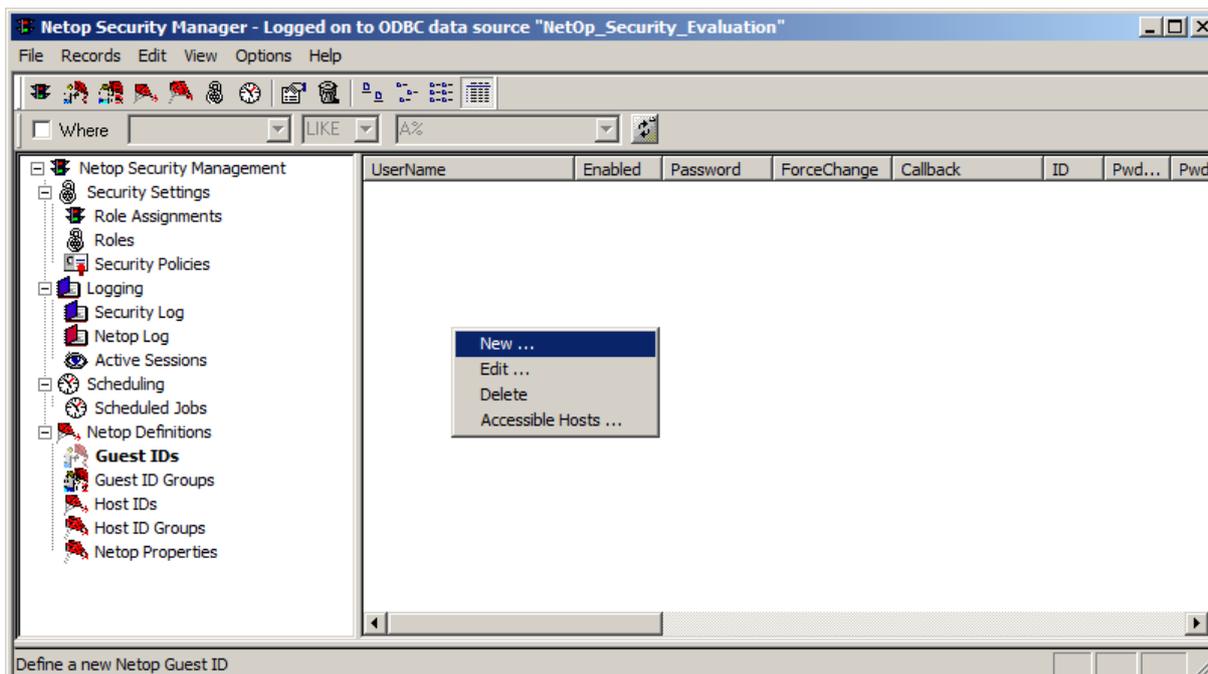
1. Return to the Netop Security Server computer and open the Netop Security Manager.



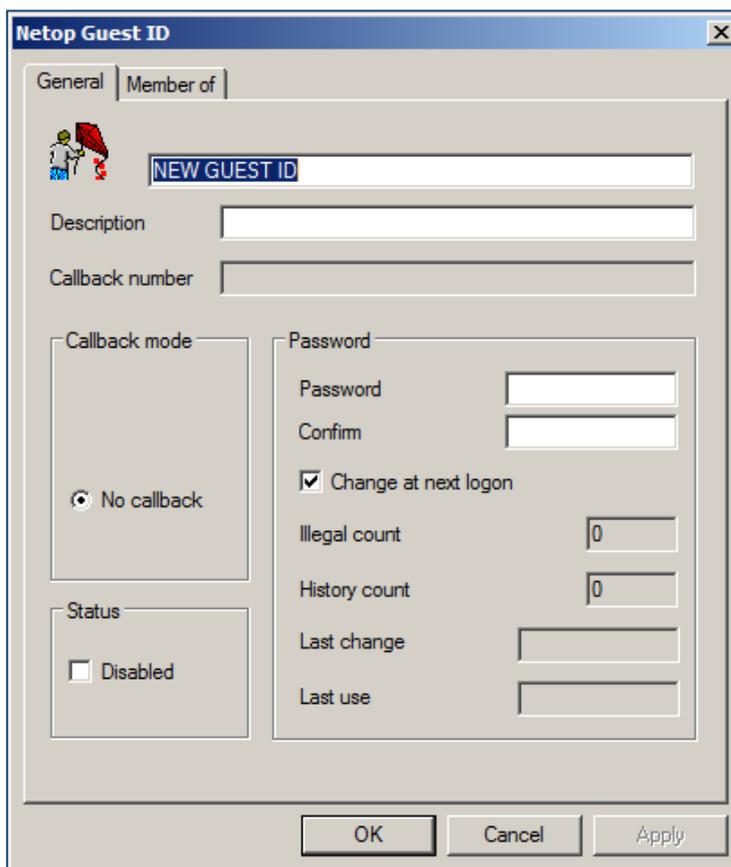
2. On the left tree collapse **Netop Definitions** and select **Guest IDs**.



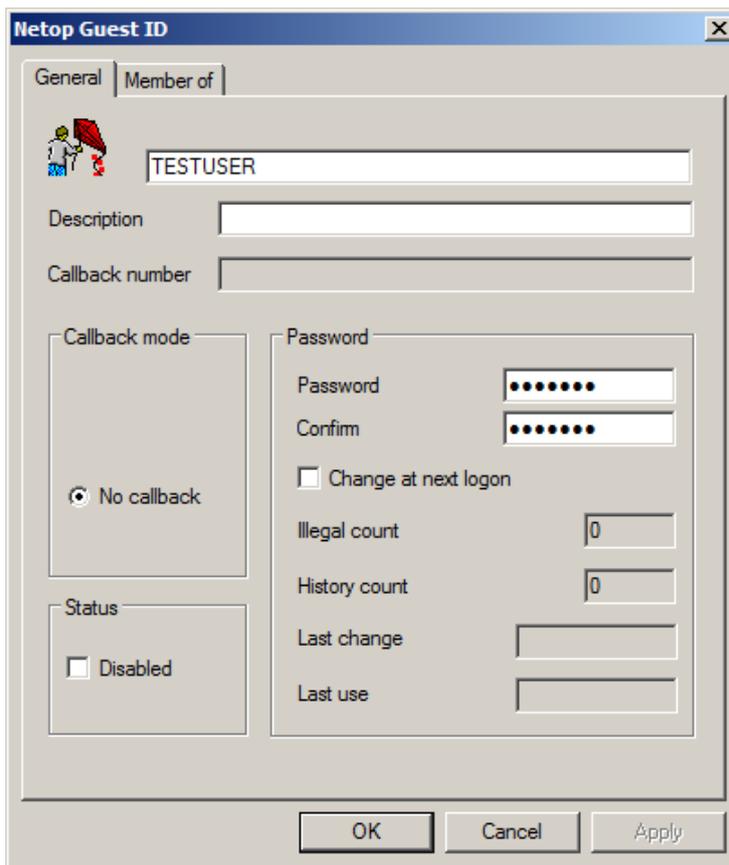
3. Right-click on the right side of the window and select **New**.



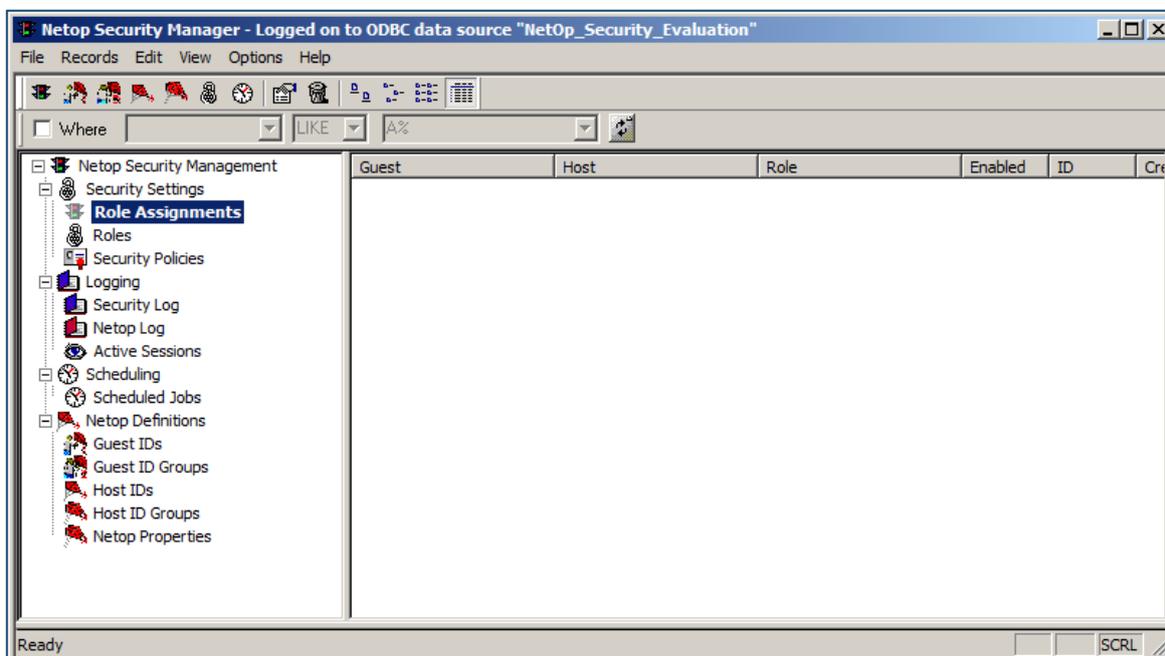
4. In the first field type a new Guest ID.



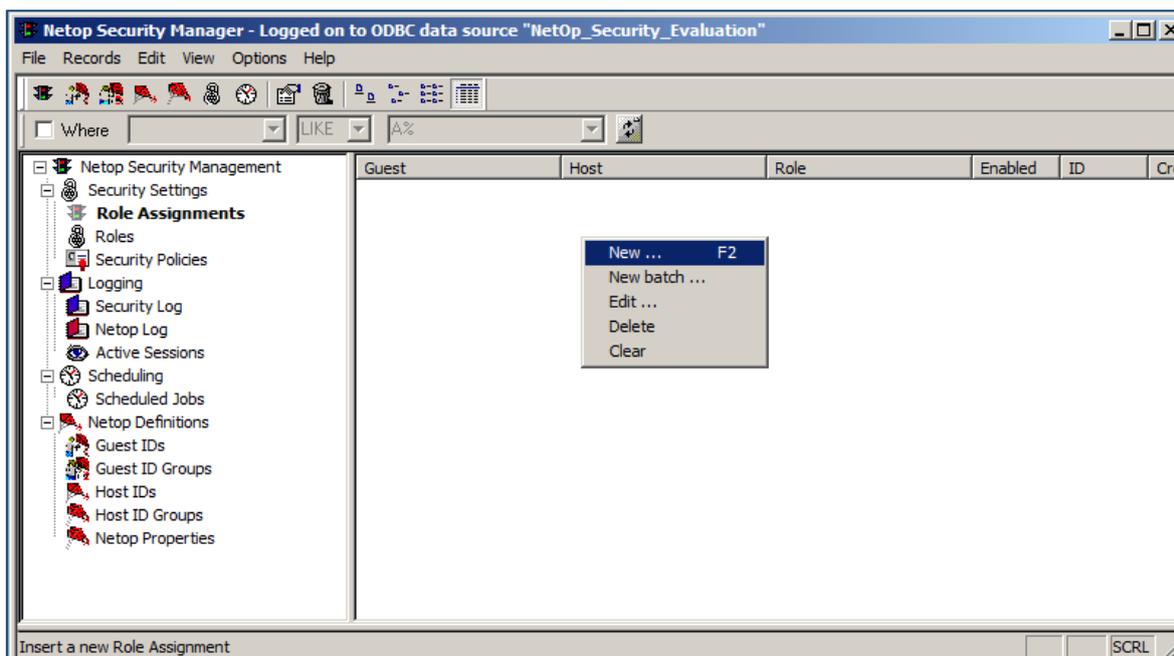
- In the Password area, enter a password and confirm it and make sure to deselect the **Change at next logon** option.



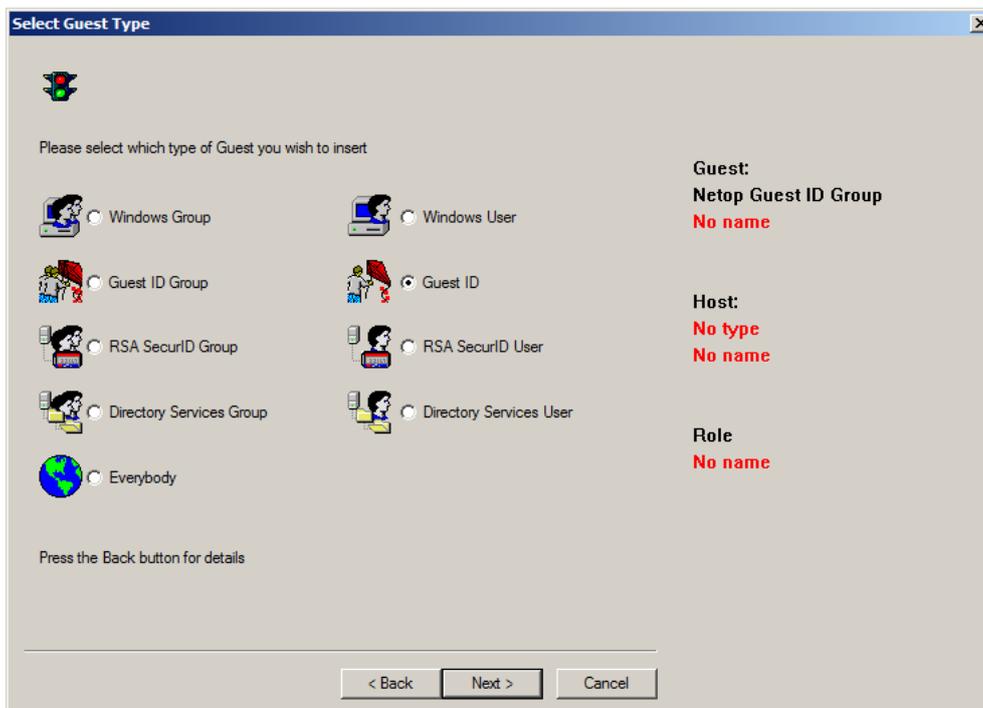
- Click **OK**.
- On the left tree, collapse **Security Settings** and select **Role Assignments**.



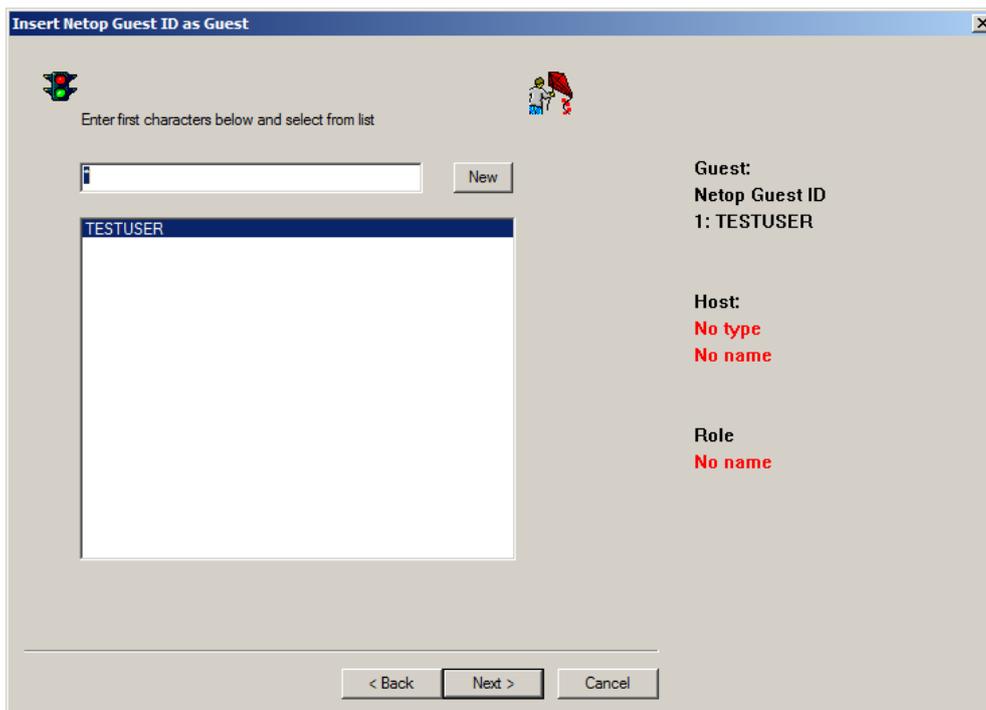
8. Right-click on the right side of the window and select **New**.



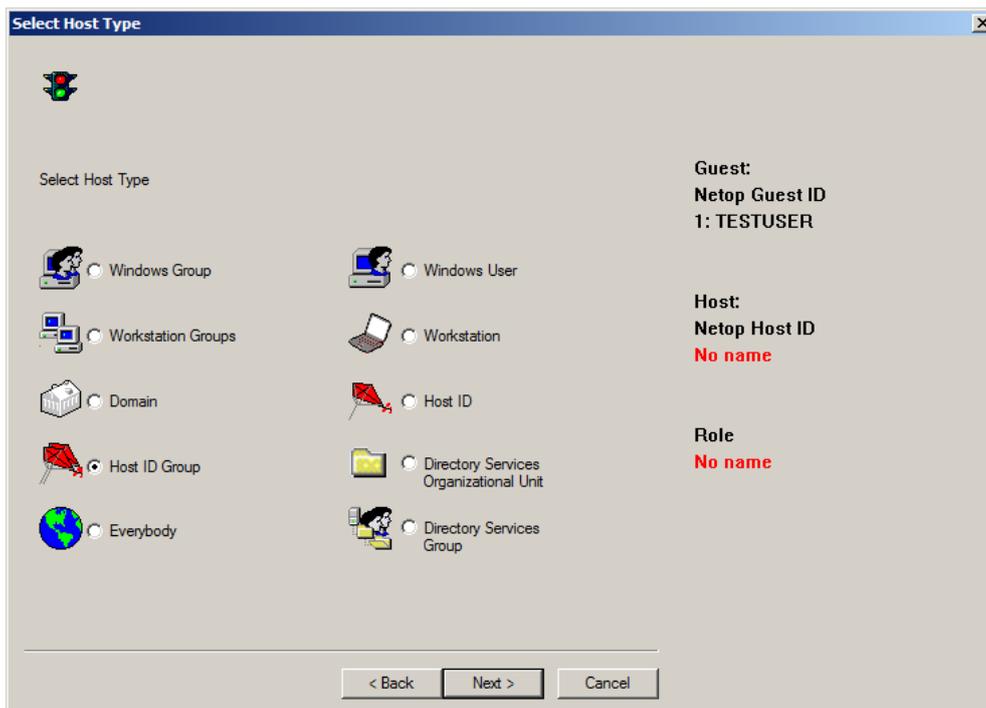
9. In the Select Guest Type dialog box select **Guest ID** and click **Next**.



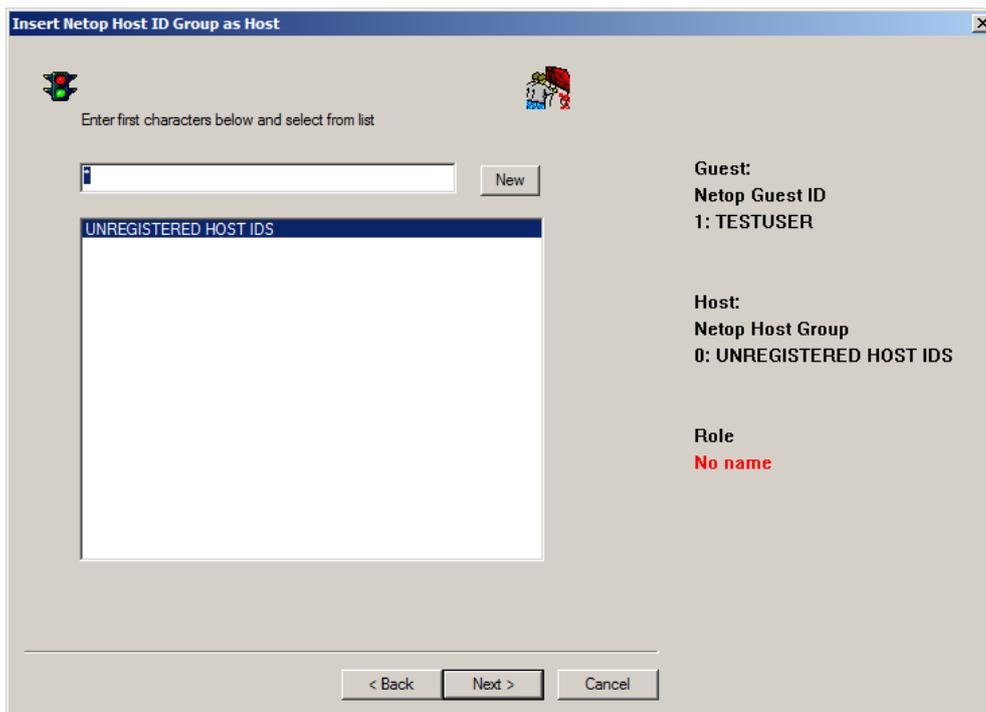
10. The Guest ID you created earlier is selected by default. Click **Next**.



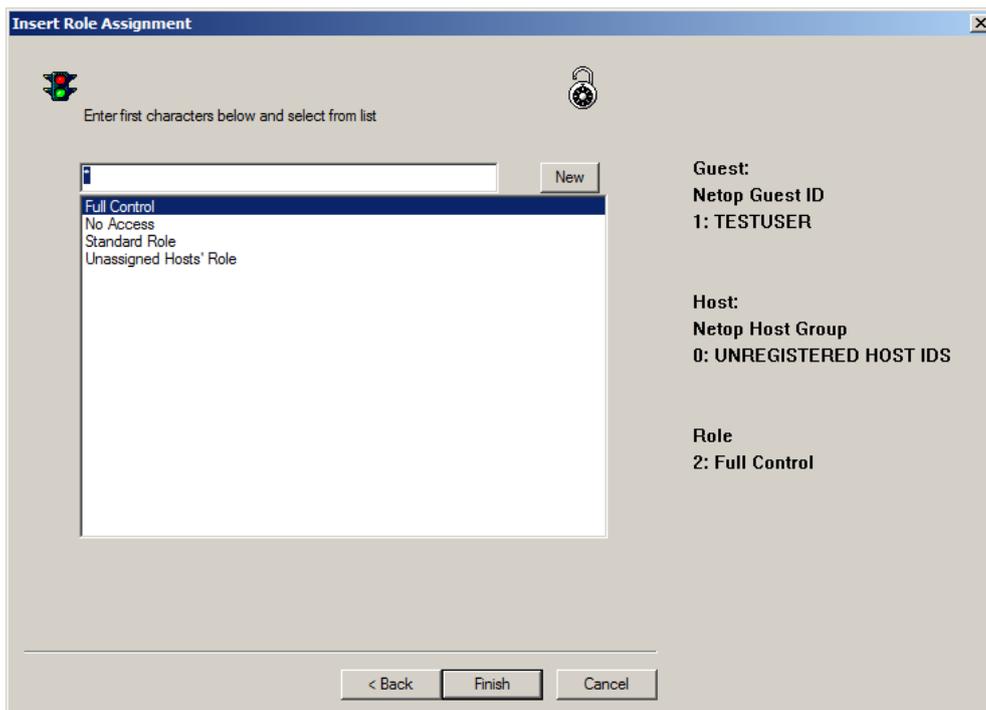
11. Select the **Host ID Group** option and click **Next**.



12. The UNREGISTERED HOSTS group is selected by default. Click **Next**.



13. The Full Control security role is selected by default. Click **Finish**.



You have now completed your first role assignment for testing.

If you have configured everything correctly will now be able to connect from your Netop Guest to the Netop Host using Security Server authentication and Security Server logging.