

LiNC-NXG for Windows 10 Professional & Windows 8.1 Professional
Installation Guide for LiNC-NXG
33-10067-001
REV: E

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0.1 Version Notes

Rev. E

1. **Section 1.0** - Removed reference to Windows 7 Professional and Windows 8 Professional and replaced with Windows 8.1 Professional and Windows 10 Professional.
2. Updated **Section 5.4** to include reference to the *LiNC-NXG Software Upgrade Procedures* document.
3. Updated the minimum memory requirements to 12GB
4. Updated screen captures of the LiNC-NXG ConFigLN to reflect the current appearance and the proper installation and registration process.

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1.0 Introduction

Welcome to the **LiNC-NXG for Windows 8.1 Professional and Windows 10 Professional**, the enterprise programming software from PCSC. This user-friendly, PC-based access control manager is simple to operate and provides Help screens along the way to make operation even easier. The **LiNC-NXG** manuals are designed to provide both written and visual instructions while installing the system in its Host or Workstation modes.

LiNC-NXG operates using the Windows 8.1 Professional and Windows 10 Professional or Windows Server 2012 R2 operating systems and uses Microsoft SQL Server 2012 or SQL Server 2012 Express for its database. **LiNC-NXG** is compatible with both 32-bit and 64-bit processors. The host PC should be dedicated to the access control system to ensure security integrity and management efficiency. Other Windows applications should not be running concurrently with **LiNC-NXG**.

This manual was designed to provide the information necessary to install **LiNC-NXG** and should be used in conjunction with the **SQL Installation Guide** and/or **SQL (P/N 33-40006-001)**. **Installation Guide**. To obtain a complete understanding of **LiNC-NXG**, this manual should be used in conjunction with the **LiNC-NXG User Guide** (P/N 37-10056-001). The Help menus provided on-screen will usually be sufficient to enter the proper data. This manual augments those screens and will detail certain fields, definitions, and procedures where needed.

1.1 Installation and Setup

Along with the Help screens, this guide describes how to setup your system quickly and easily. After the initial system foundation has been setup, refer to the **LiNC-NXG User Guide**. (P/N 37-10056-001) for the day-to-day operation and maintenance of your system. The **User Guide** provides information on entering data regarding card assignment, time periods, downloading records to the Panel(s), and door operations.

2.0 Before You Begin - Installation Requirements

2.1 Software

To install LiNC-NXG for Windows 10 Professional or Windows 8.1 Professional the following requirements must be met:

Software Item	Min. Requirement
Database Server	<ul style="list-style-type: none">Microsoft® SQL Server® 2012Microsoft® SQL Server® 2012 ExpressMicrosoft® SQL Server® 2014Microsoft® SQL Server® 2014 Express
Operating System	<ul style="list-style-type: none">Microsoft® Windows 10 ProfessionalMicrosoft® Windows 8.1 ProfessionalMicrosoft® Server 2012Microsoft® Server 2014

2.2 Hardware

Compare your computer hardware features with the chart listing the requirements for proper operation of LiNC-NXG. If you have any questions regarding the computer you will be using for this application, call PCSC Technical Support at (310) 303-3600.

Hardware Item	Min. Requirement
CPU	32-bit system: Intel or compatible 1GHz or faster processor (2 GHz or faster is recommended.) 64-bit system: 3.0 GHz or faster processor
RAM	12.0 GB memory or greater
Hard Drive	500 GB ATA133 – 7200 RPM
DVD-RW	
Monitor	SVGA, 1600 x 1200, 65k color

NOTE: LiNC-NXG use of host ports requires firewall configuration only if a firewall is active between the host and a workstation, PanelProxy, or the boards.

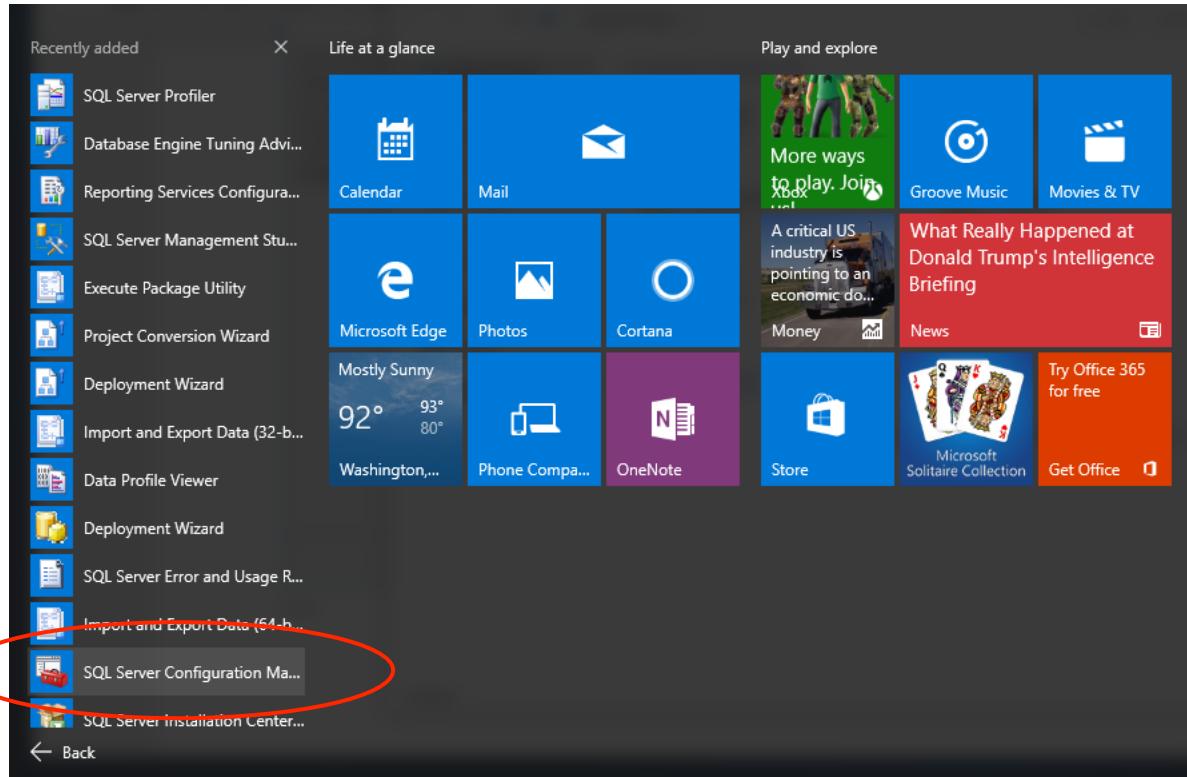
LiNC-NXG requires the following TCP ports:

PanelProxy TCP	13001 (default)
Alarm TCP	1602 (default, user-configurable)
Batch TCP	User configured
RPC TCP	3101 (default)

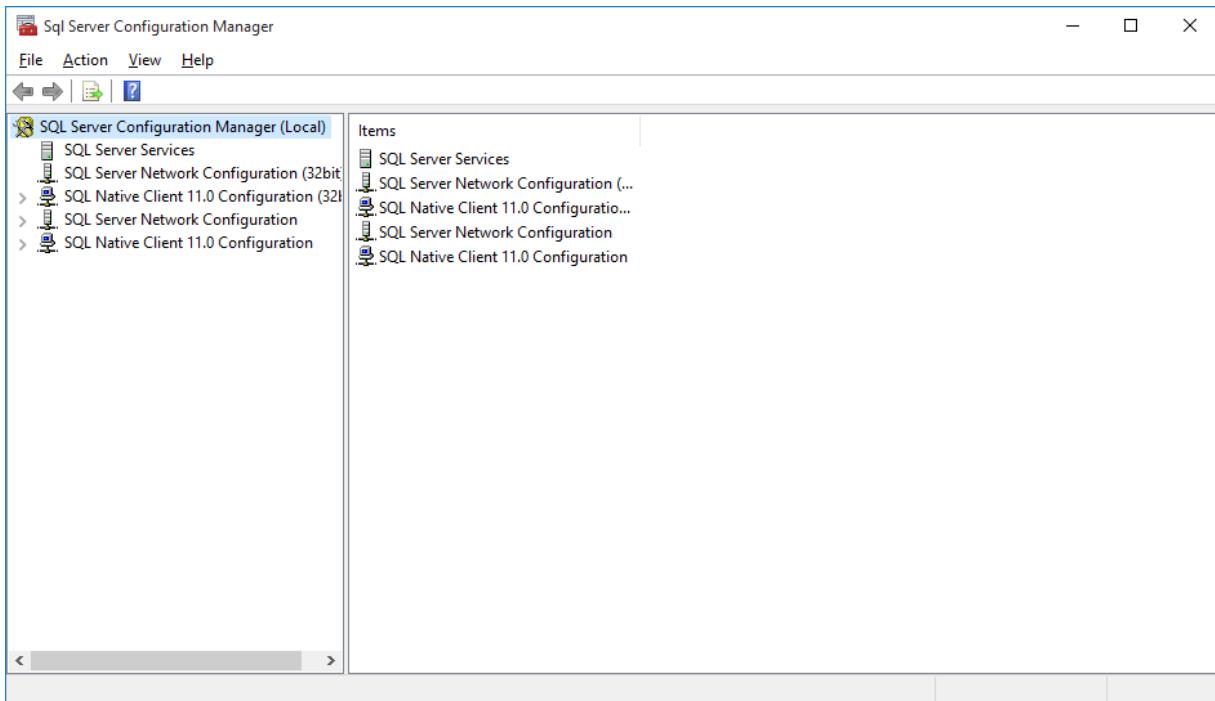
3.0 SQL Server Network Configuration

3.1 Assignment of TCP/IP Ports

1. Open the **SQL Server Configuration Manager** via its Windows icon or **Start/ All Programs/ Microsoft SQL Server 2012/ Configuration Tools/ SQL Server Configuration Manager**.

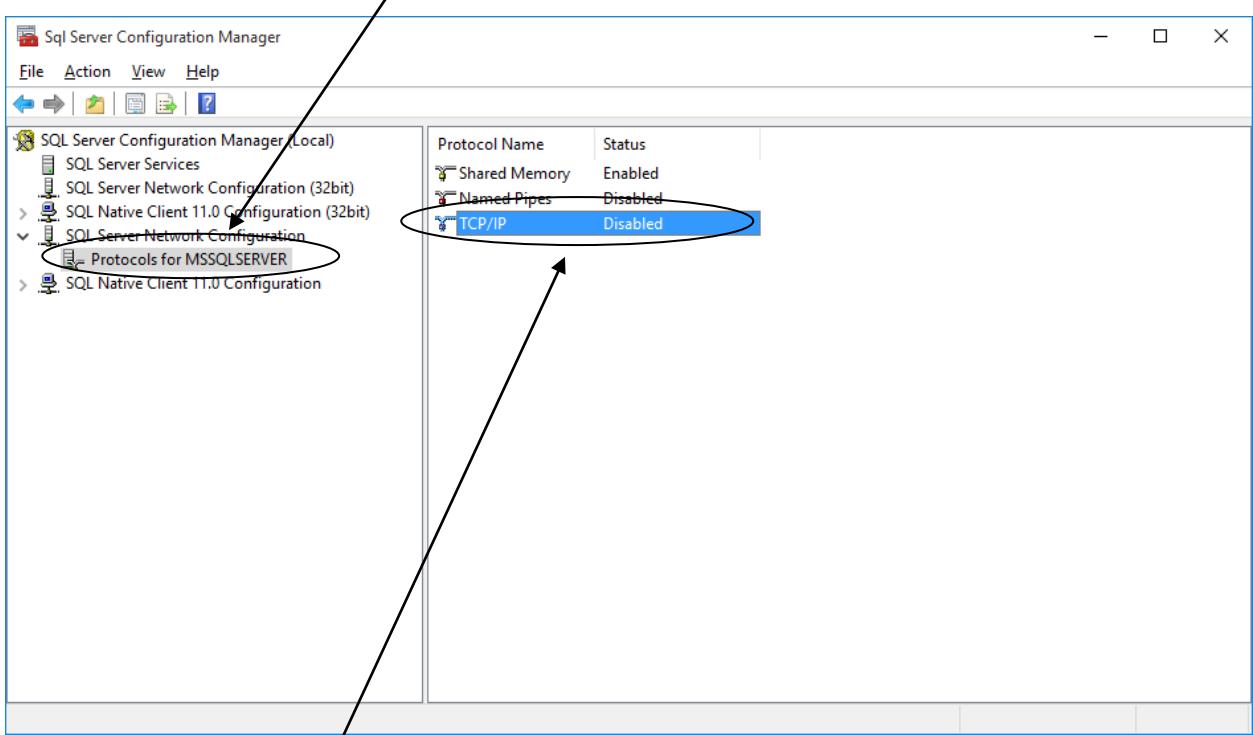


2. The **SQL Server Configuration Manager** will appear.

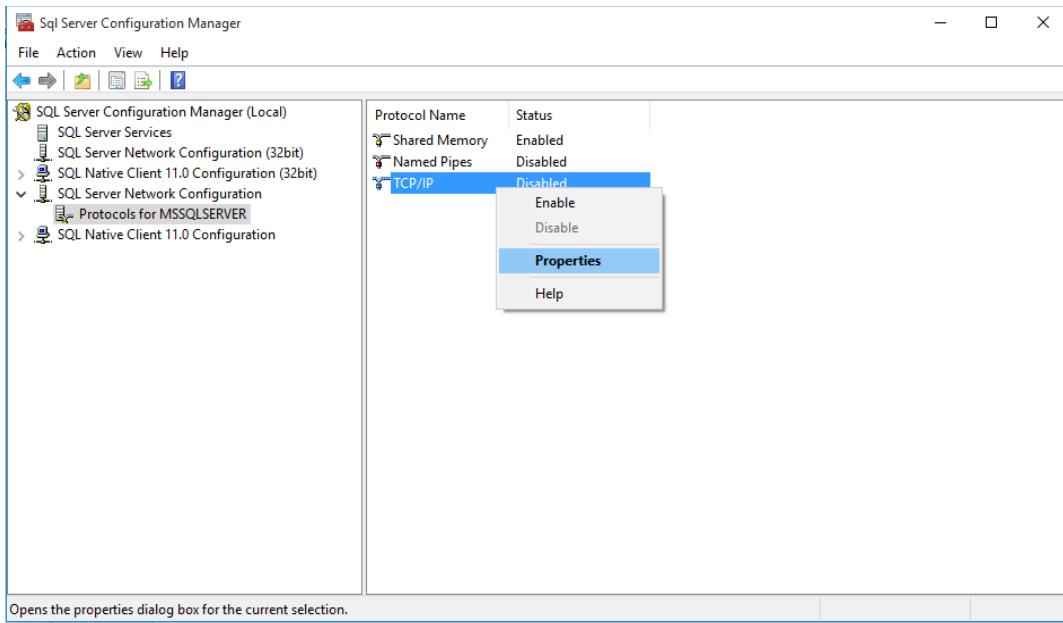


NOTE: Depending on your Windows **Permission** settings, a **User Account Control** window may display. Press the **Allow** button to proceed.

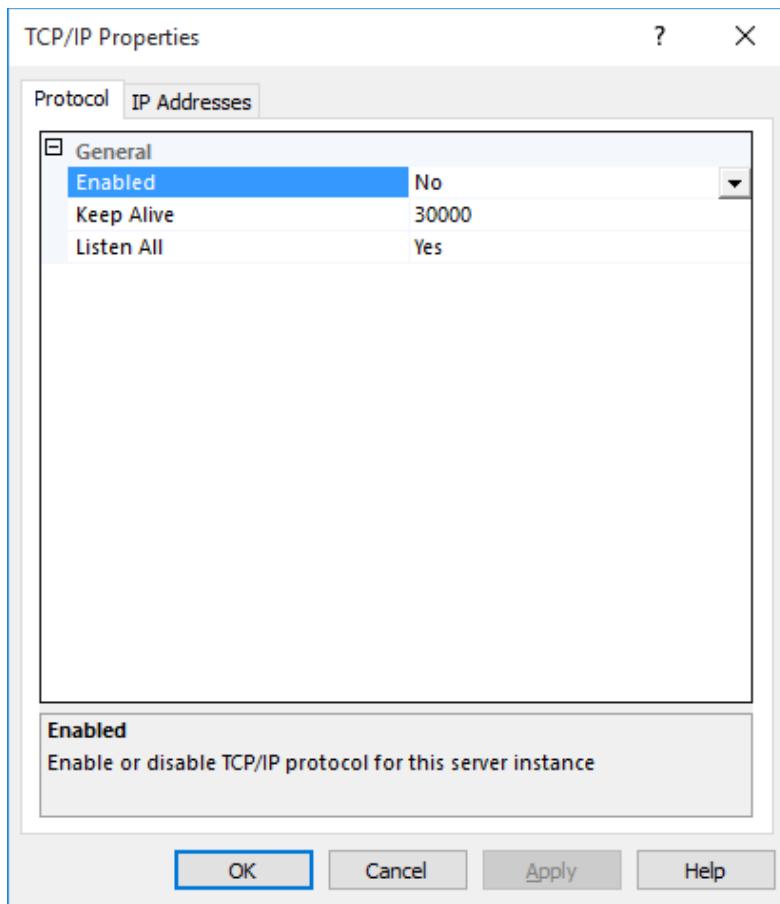
3. Expand **SQL Server Network Configuration** from the decision tree and select **Protocols for MSSQLSERVER**.



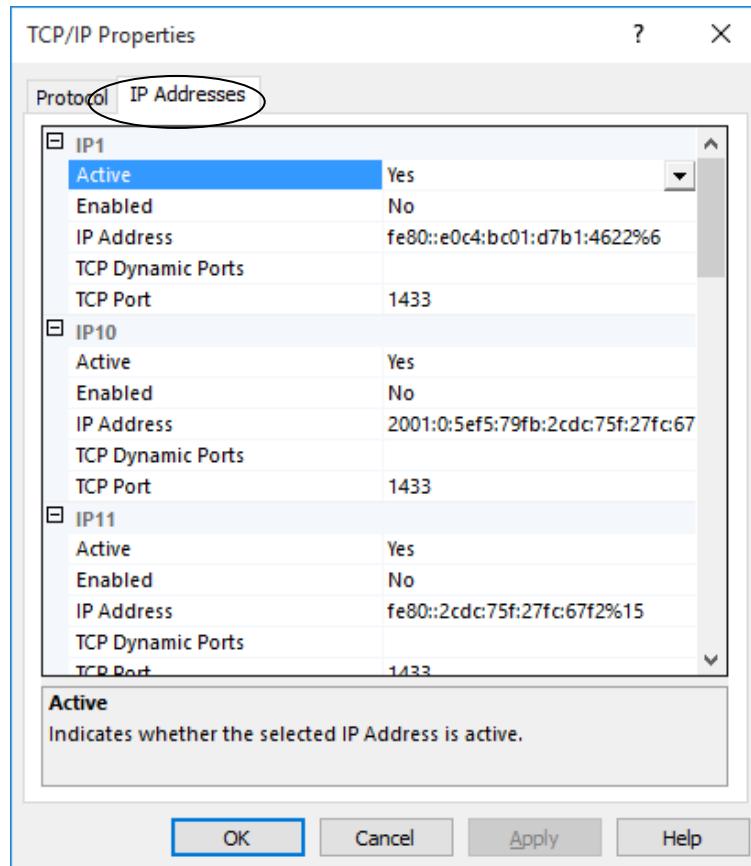
4. Right-click on **TCP/IP** to open the **TCP/IP Properties** window and select **Properties**.



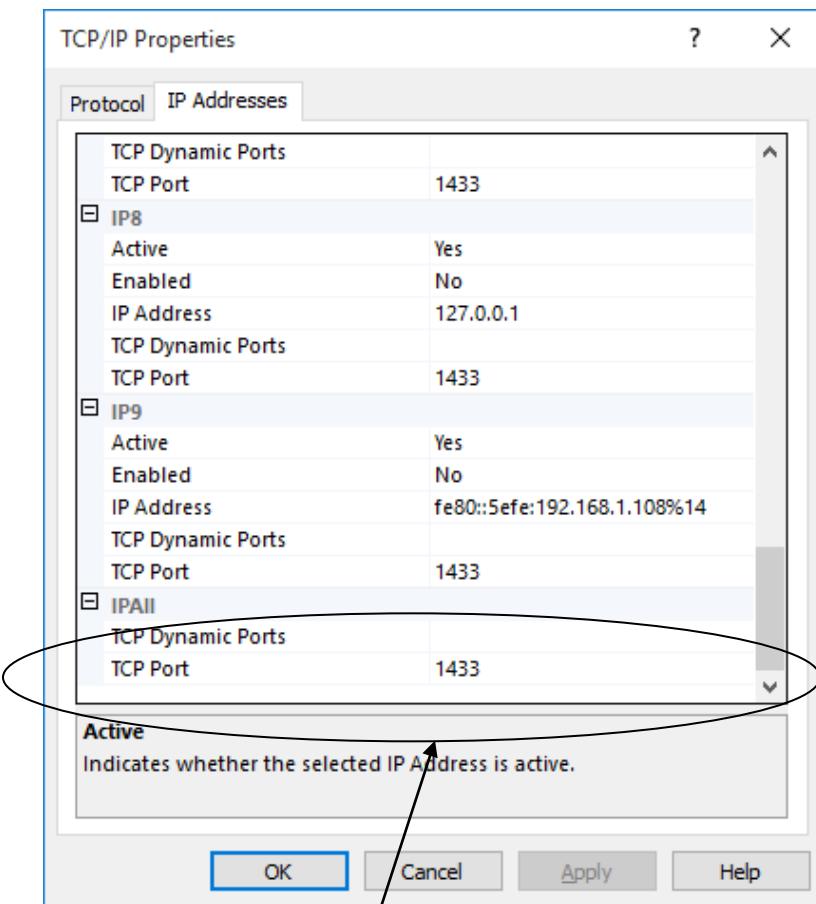
5. Within the **Protocol** tab of the **TCP/IP Properties** window, within the **Enabled** row, pull the dropdown to select **Yes**.



6. Select the **IP Addresses** tab.



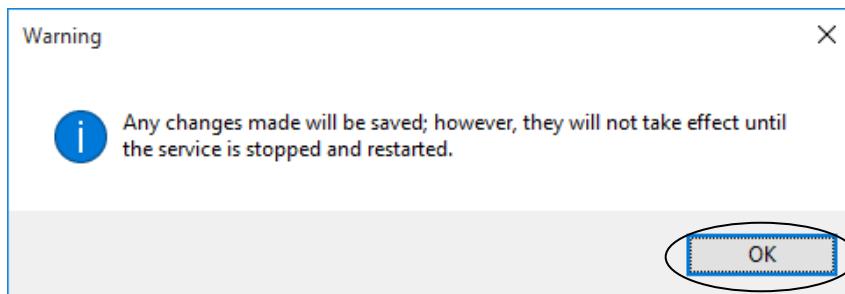
7. Scroll down to **IP All**.



8. Within the **IP All**, change **TCP Port** to **1433**.

9. Press the **Apply** button to save the configuration.

10. A **Warning** window will open, explaining that the services need to be stopped and restarted. Press the **OK** button.

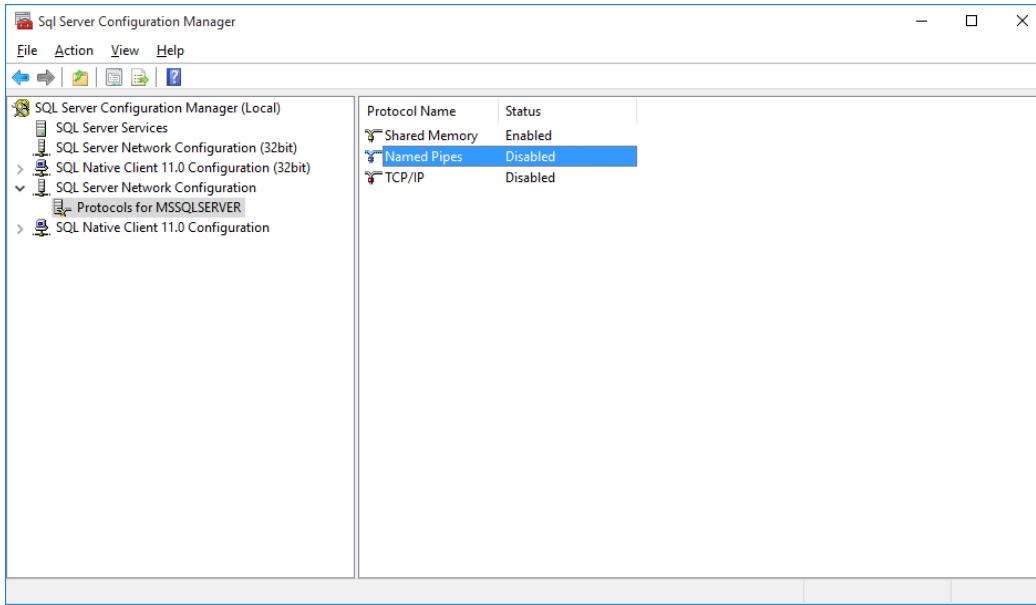


11. Press the **Ok** button on the **TCP/IP Properties** window to close.

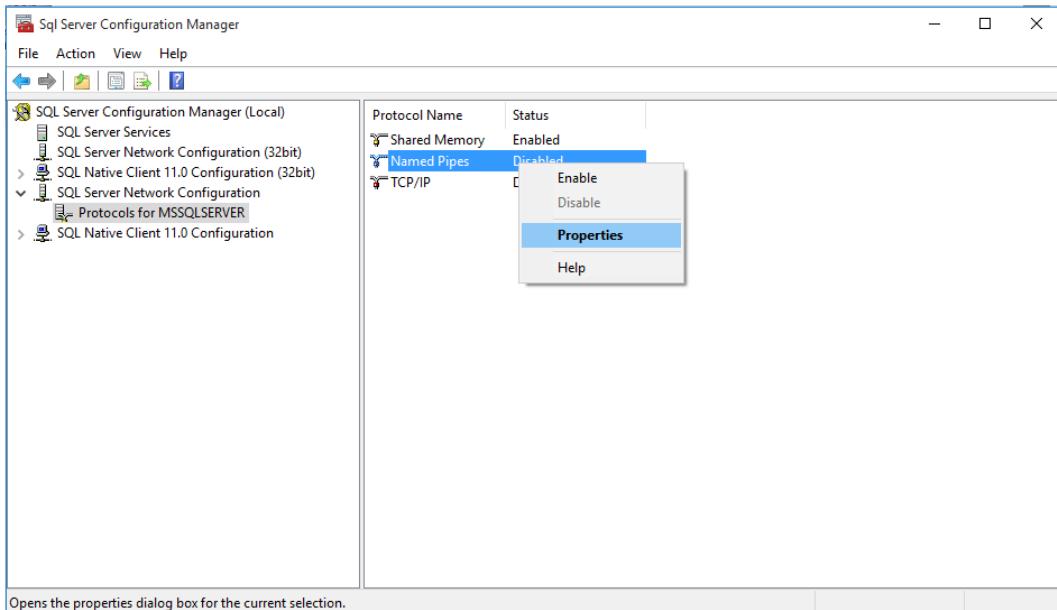
NOTE: It will be necessary to reboot the program for the new TCP IP settings to take effect.

3.2 Enabling Named Pipes

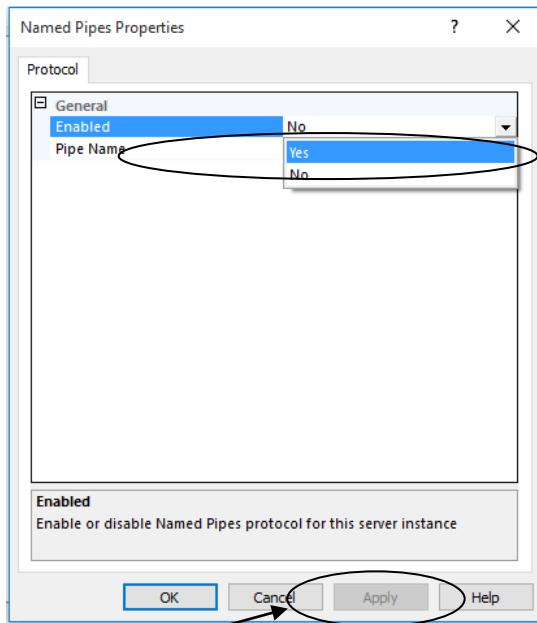
1. Open the **SQL Server Configuration Manager** via **Start/ All Programs/ Microsoft SQL Server 2012/ Configuration Tools/ SQL Server Configuration Manager**.
2. Expand **SQL Server Network Configuration** from the decision tree and select **Protocols for Microsoft SQLExpress**.



3. Right-click on **Named Pipes** and select **Properties** from the drop-down menu.



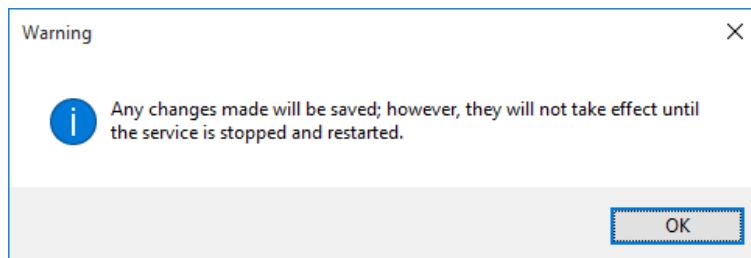
4. Within the **Named Pipes Properties** window, within the **Enabled** row, pull the dropdown to select **Yes**.



5. Press the **Apply** button to save the configuration.

NOTE: **TCP Dynamic Ports** is automatically assigned randomly during installation.

6. A **Warning** window will open, explaining that the services need to be stopped and restarted. Press the **OK** button.



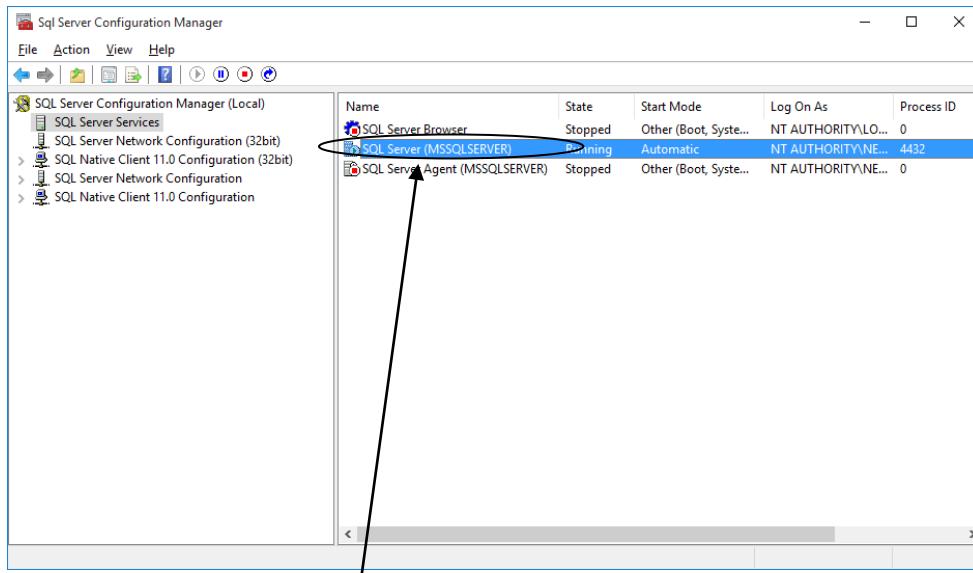
7. Press the **Ok** button on the **Named Pipes Properties** window to close.

NOTE: It will be necessary to reboot the program for the new TCP IP settings to take effect.

3.3 Restarting SQL Server 2012 Services

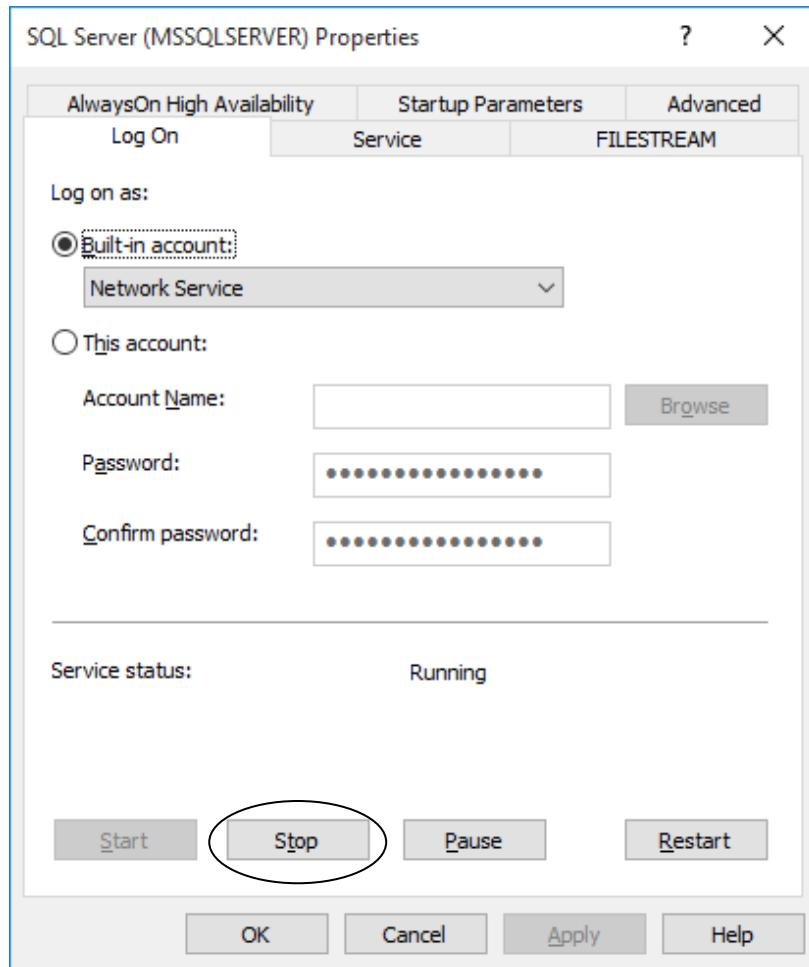
11. Open the **SQL Server Configuration Manager** via its Windows icon or **Start/ All Programs/ Microsoft SQL Server 2012/ Configuration Tools/ SQL Server Configuration Manager**.

12. Double click on **SQL Server 2012 Services** within the decision tree.

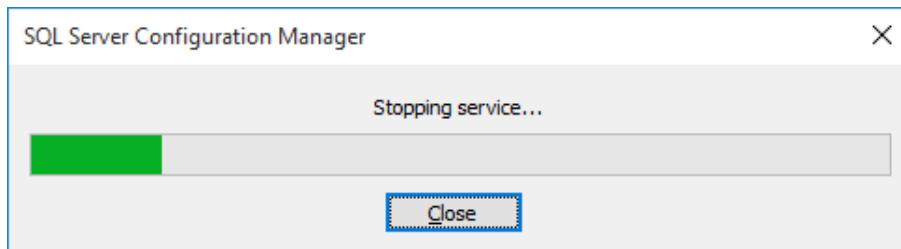


13. Double click on **SQL Server (MSSQLSERVER)**.

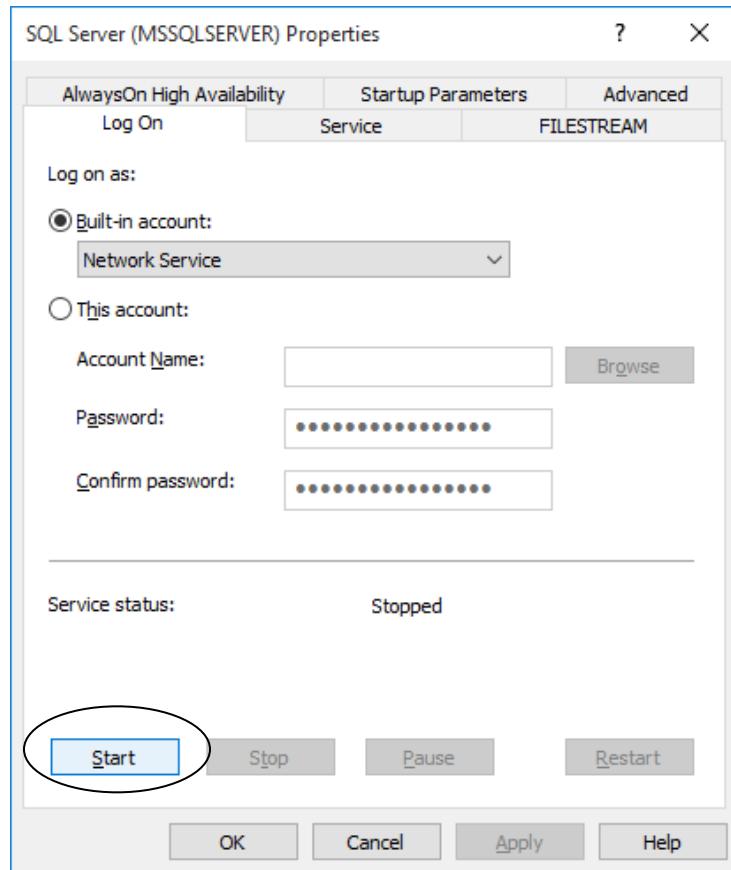
14. In the **SQL Server (MSSQLSERVER) Properties** window, press the **Stop** button.



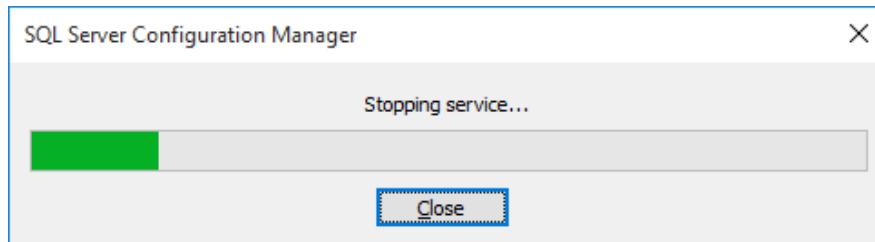
15. The **SQL Server Configuration Manager** progress screen will display.



16. Press the **Start** button to restart services.



17. The **SQL Server Configuration Manager** progress bar will return.



18. Press the **OK** button to close **SQL Server Browser Properties** window.

19. Select **File** from the pull-down menu and then **Exit** to close **SQL Server Configuration Manager** screen.

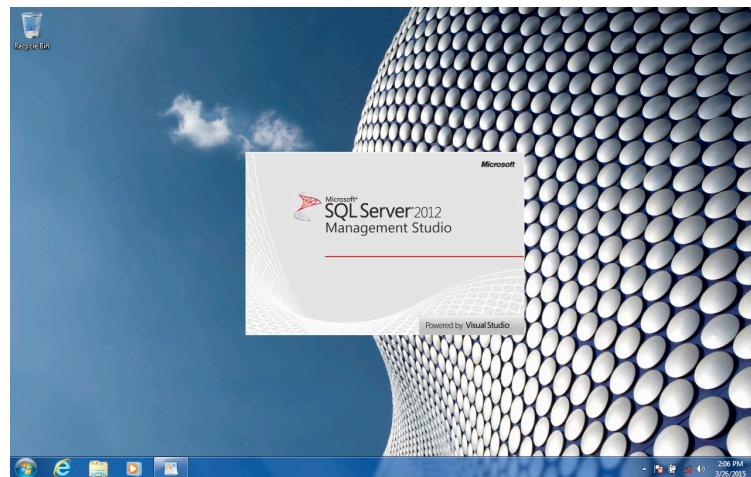
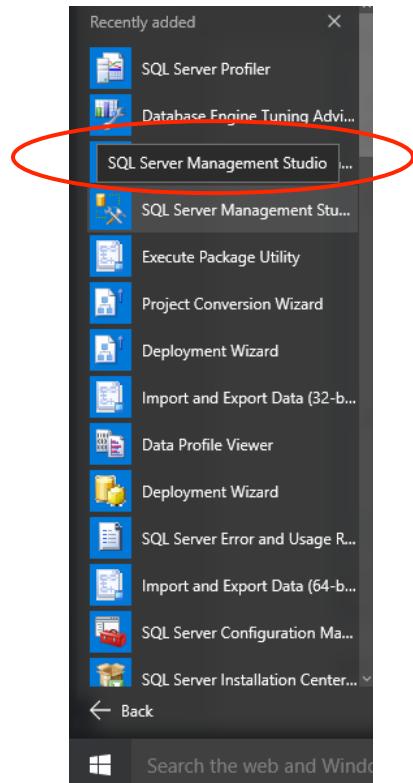
20. Close the **SQL Server Installation Center** window.

NOTE: The **Restart** button will both Stop and Restart SQL Server in one action.

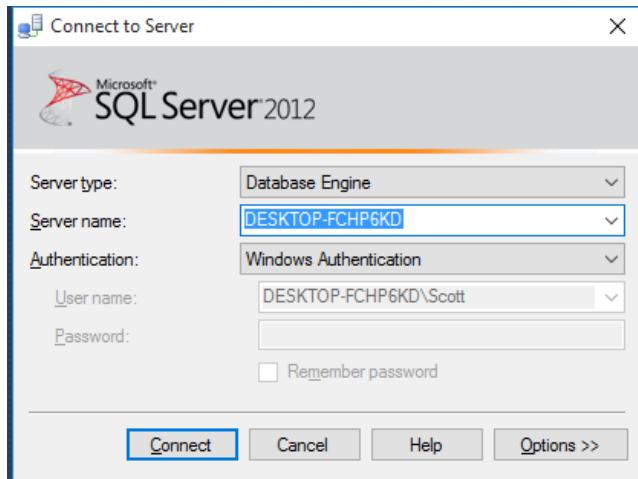
4.0 Creating a New Database

NOTE: It is only necessary to create a new database if you want to store the data and log files in a specific location, otherwise they will be located in the default SQL folder.

1. From the **Start Menu**, open the **SQL 2012 Management Studio** from the **Start/ All Programs/ Microsoft SQL Server 2012/ SQL Server Management Studio**.



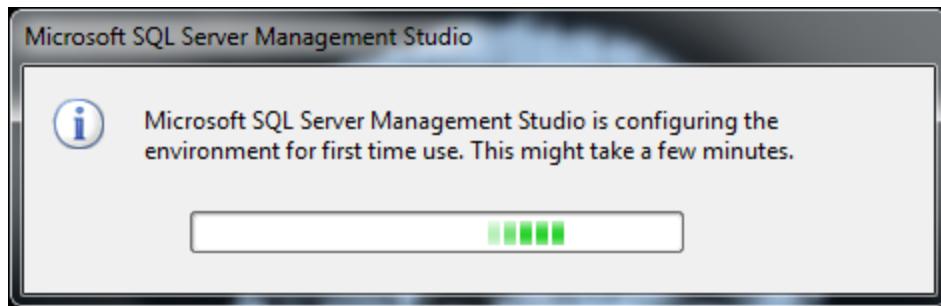
2. The **Connect to Server** window will appear. If you are using **Windows Authentication**, press the **Connect** button.



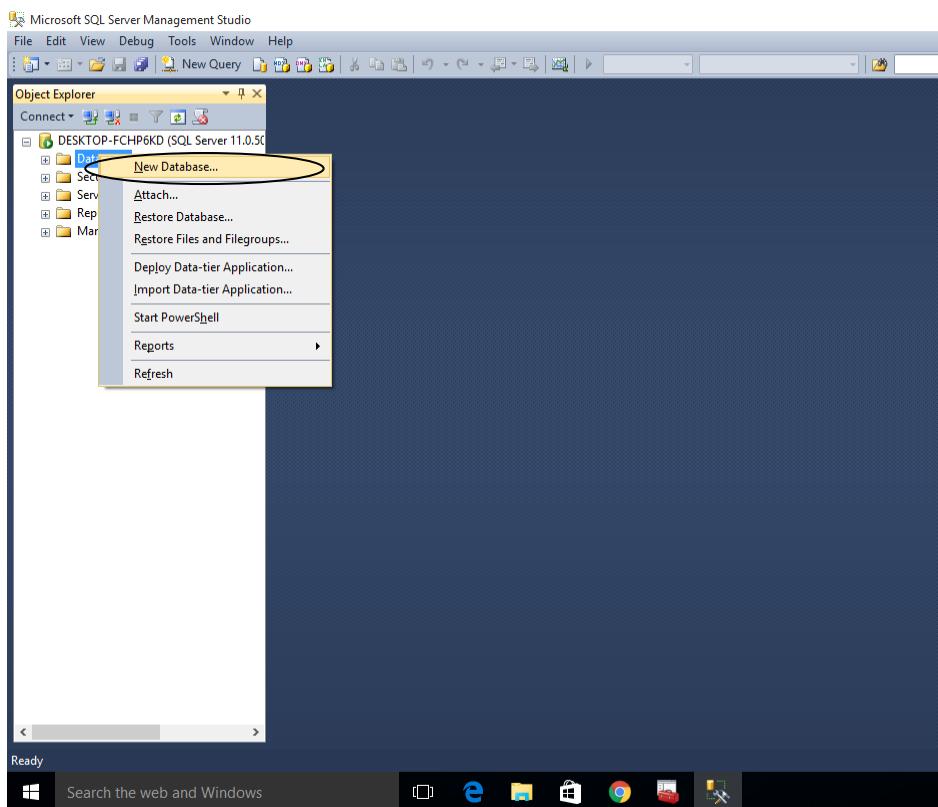
NOTE: If you are using **SQL Server Authentication**, add in your **User name** and **Password**, and then press the **Connect** button.

3. SQL Server Management Studio will open.

NOTE: You may see the screen below the first time that you open the **SQL Server Management Studio**.

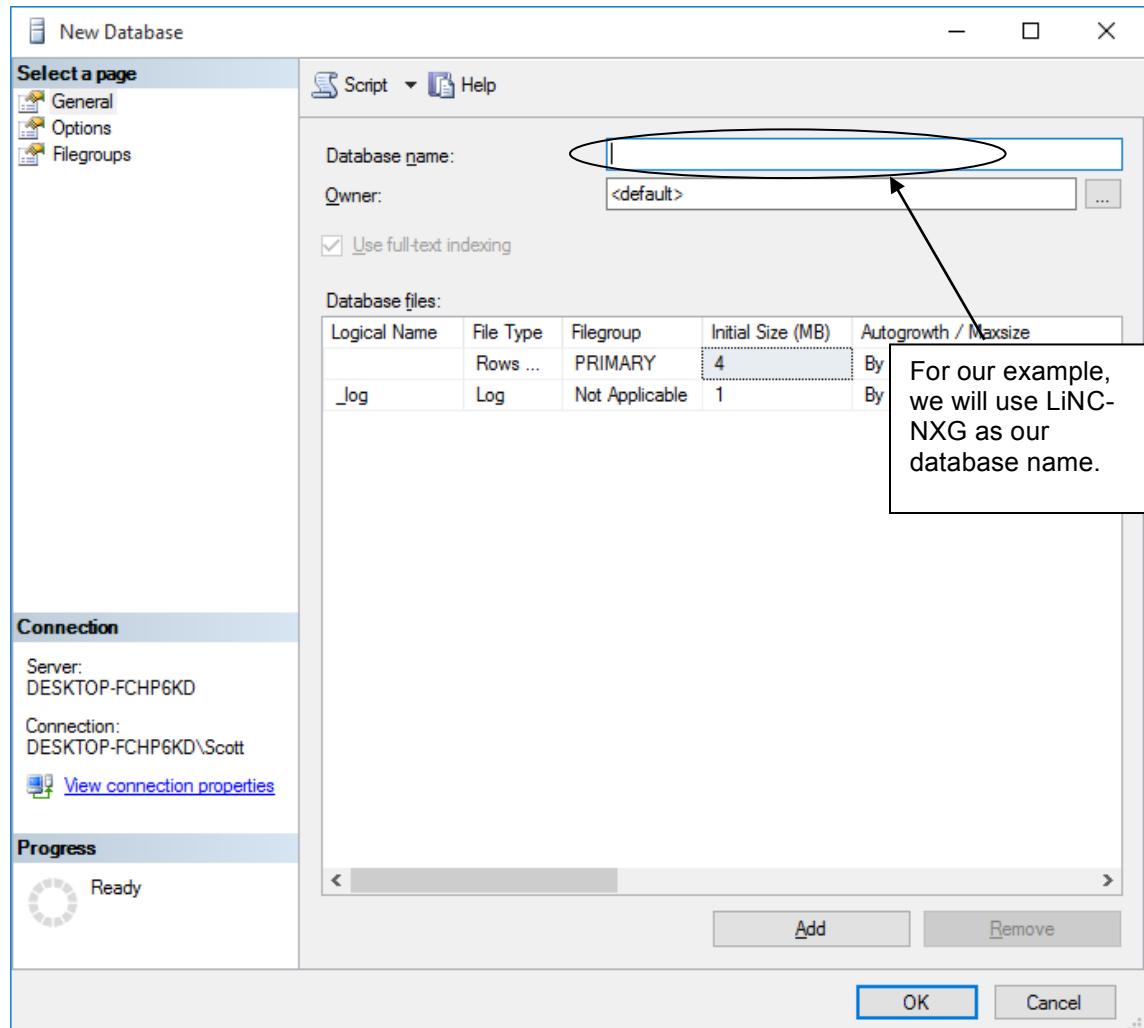


4. Right -click on **Database**.
5. From the drop-down menu, select **New Database**.



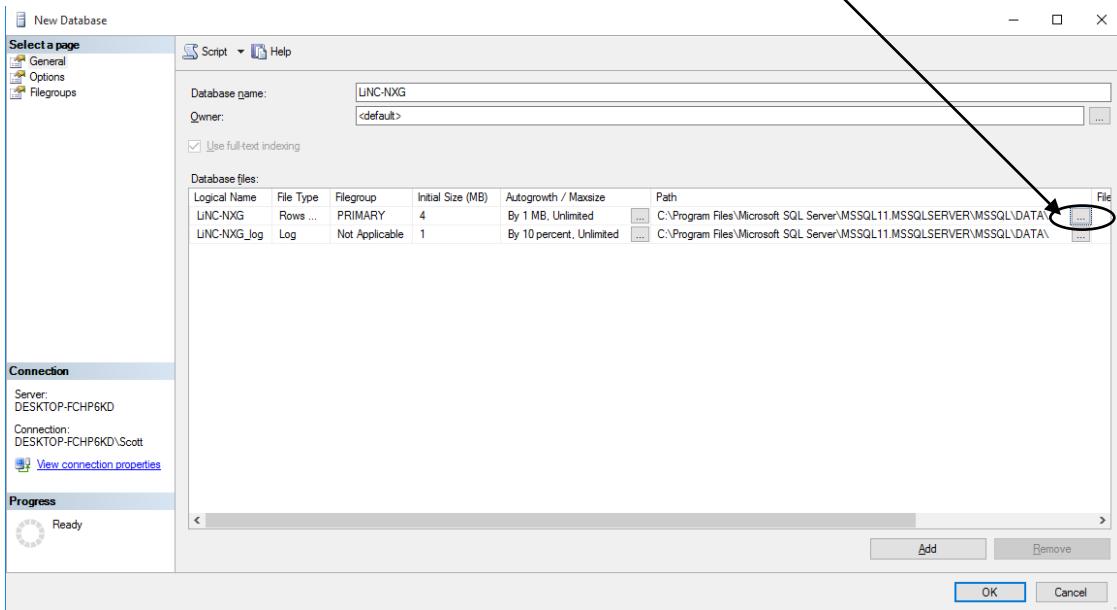
4.1 General Page

1. Type the preferred database name in the **Name** field.



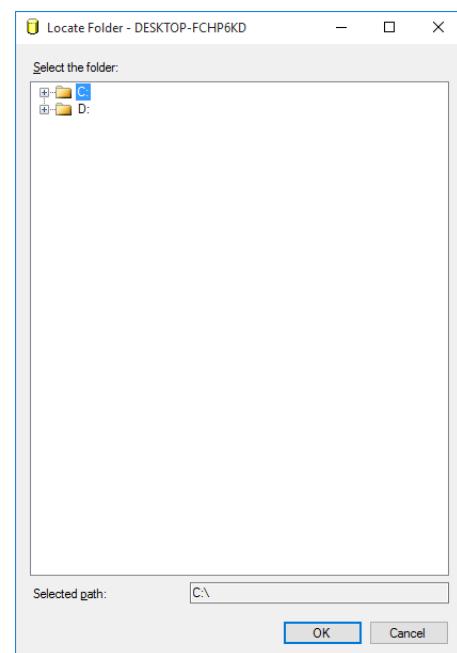
4.2 Data Files Path

1. In the **Path** field, find the location of the drive where the **Data** will be stored.
2. If it is preferable to use the SQL default for your **Data Files Path**, do not change. If there is an alternate location to use for the **Path**, press the **Browse** button to determine the proper location.



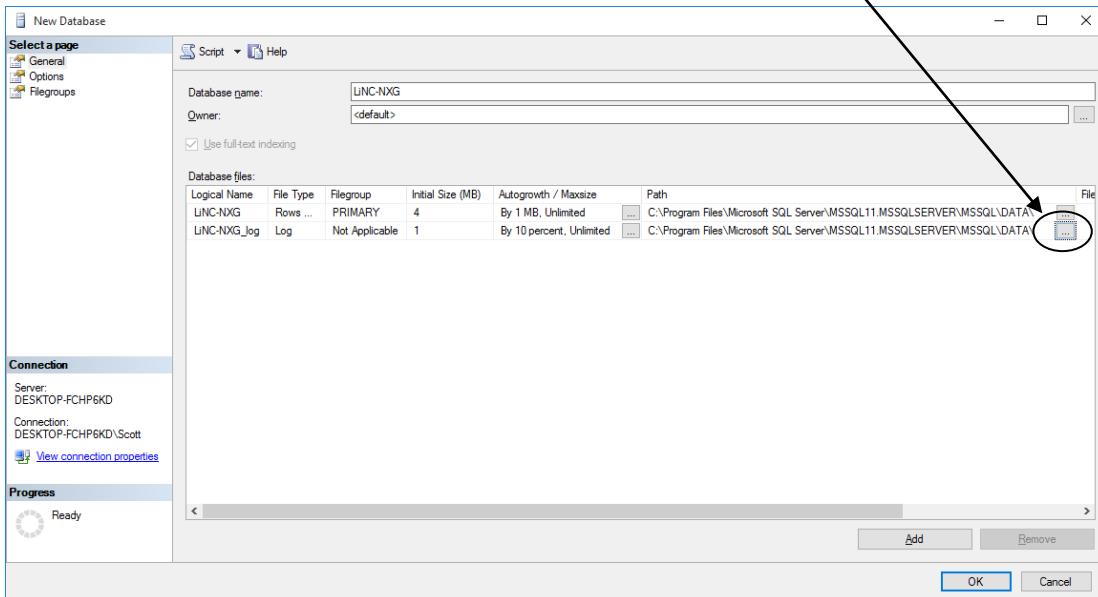
NOTE: The locations listed in the “Path” fields are for example only.

3. A **Locate Folder** window will appear. Locate the proper location and press the **Okay** button.



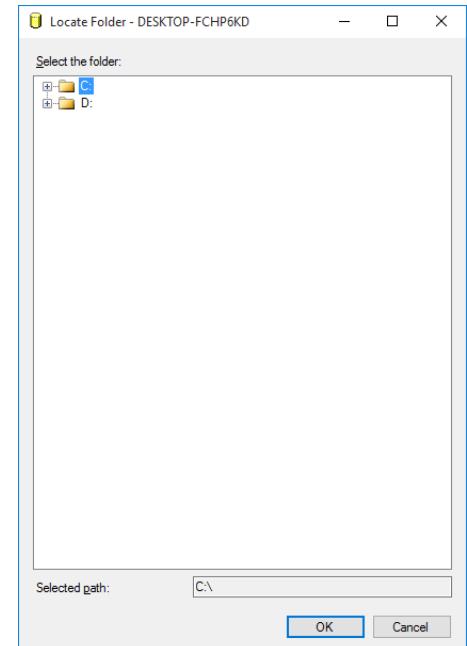
4.3 Transaction Log Path

1. In the **Path** field, find the location of the drive where the **Transaction** logs files will be stored.
2. If it is preferable to use the SQL default for your **Transaction Log Path**, do not change. If there is an alternate location to use for the Path, press the **Browse** button to determine the proper location.



NOTE: The locations listed in the “Path” fields are for example only.

4. A **Locate Folder** window will appear. Locate the proper location.
5. Press the **Ok** button. The **Locate Folder** window will close.
6. Press the **OK** button to create the database.



4.4 Creating the DBRW and DBO Logins

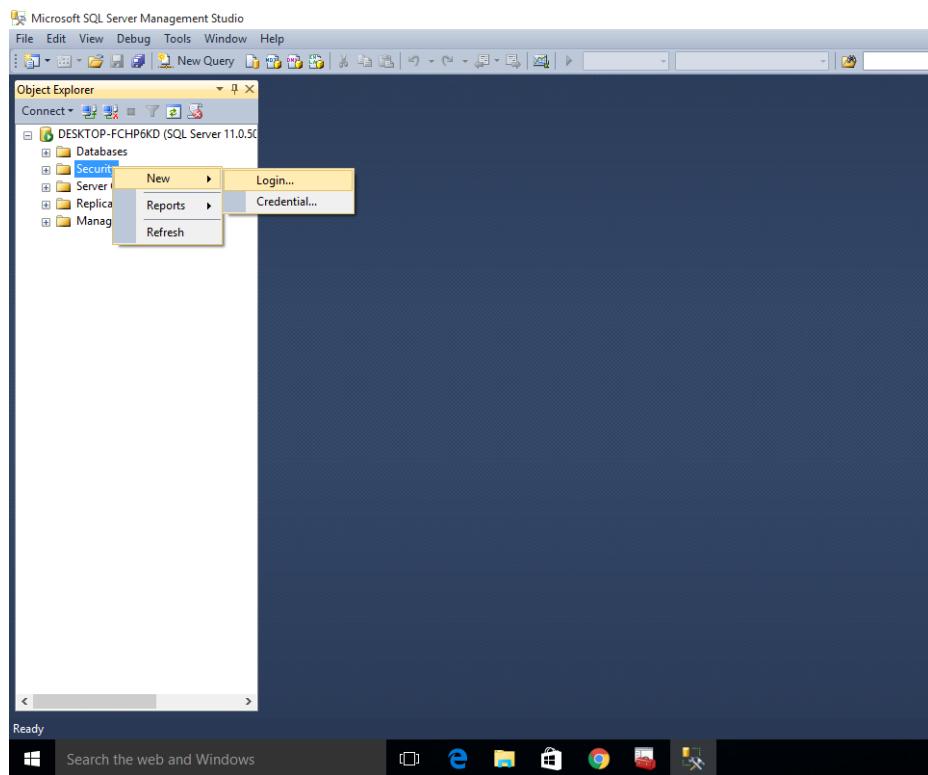
In an effort to enhance the security of the LiNC-NXG application, PCSC will no longer accept the default 'SA' login. It will be necessary for LiNC-NXG to connect to the SQL database using a set of unique DBRW and DBO logins.

NOTE: It will be necessary to create the DBO logins prior to starting the LiNC-NXG installation.

4.4.1 Creating the DBRW Login

You will create the first of the two new logins by adding the **DBRW** (database read-write) login. This login will be used for NXG services and the UI.

1. Open the SQL Server Management Studio from the **Start/ SQL Server Management Studio** (Windows 10 or 8.1)
2. From the **Object Explorer** menu, right-click on **Security** in the menu tree, select **New**, and select **Login...**.

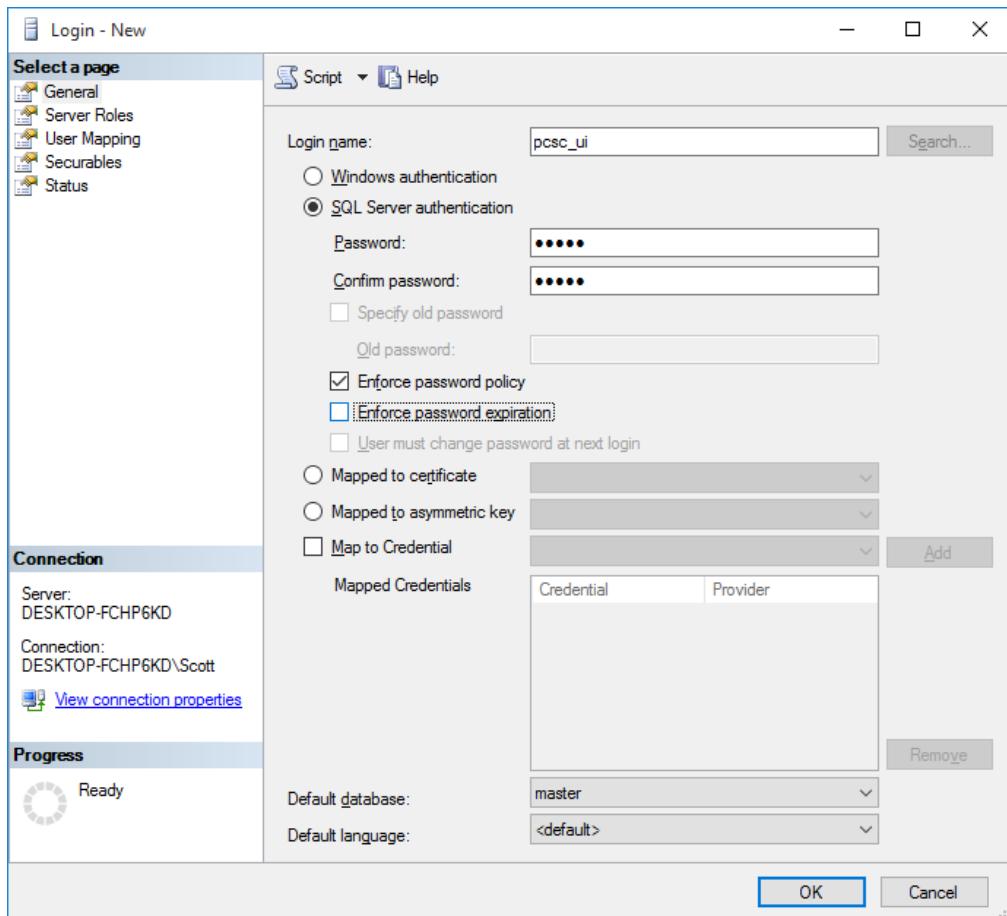


3. The **Login – New** window will appear. In the **Login name** text box, enter a new **DBRW** login name.

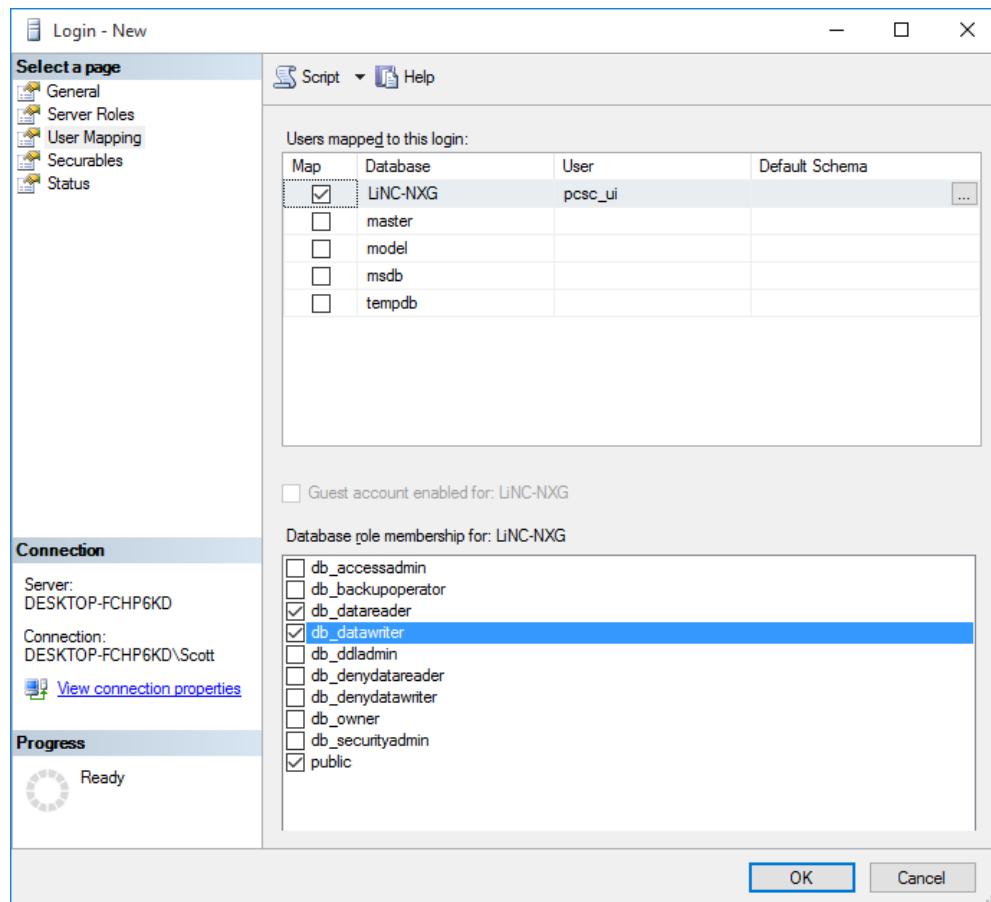
NOTE: We will use “pcsc_ui” in our example below.

4. Select the **SQL Server authentication** radio button
5. Enter, and then confirm, the new **Password**.
6. Unless directed otherwise by the IT Administrator, uncheck the **Enforce password expiration** and make sure **User must change password at next login** is also auto unchecked.

NOTE: Do not press the **OK** button yet.



7. From the **Select a page** left-hand menu, select **User Mapping**.
8. Check the checkbox next to your LiNC-NXG database in the **Users mapped to this login** section.
9. In the **Database role membership for <database name>** select the “**db_datareader**” (DBR) and the “**db_datawriter**” (DBW).
10. Press the **OK** button. You have created the **pcsc_ul** login with the **DBRW** roles and have mapped it to your LiNC-NXG database.

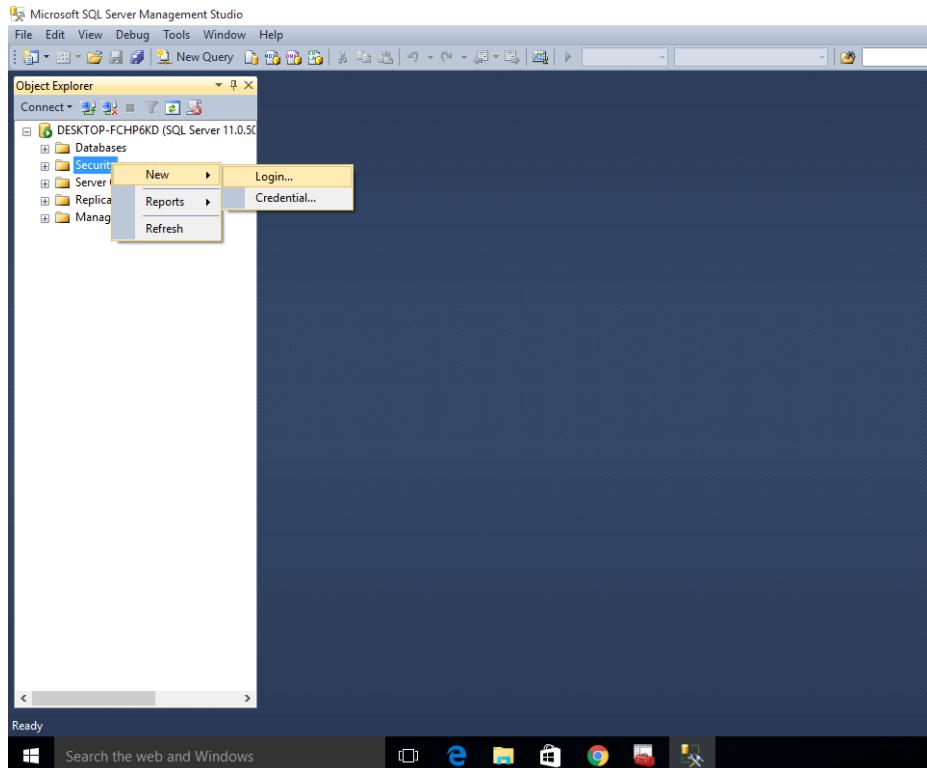


11. Go to **Section 3.1.2** to create the **DBO** Login.

4.4.2 Creating the DBO Login

Now it is time to create the **DBO** (database owner) login. The process is very similar to the creation of the **DBRW** login.

1. Open the SQL Server Management Studio from the **Start/ SQL Server Management Studio** (Windows 10 or 8.1)
2. From the **Object Explorer** menu, right-click on **Security**, select **New**, and select **Login**.

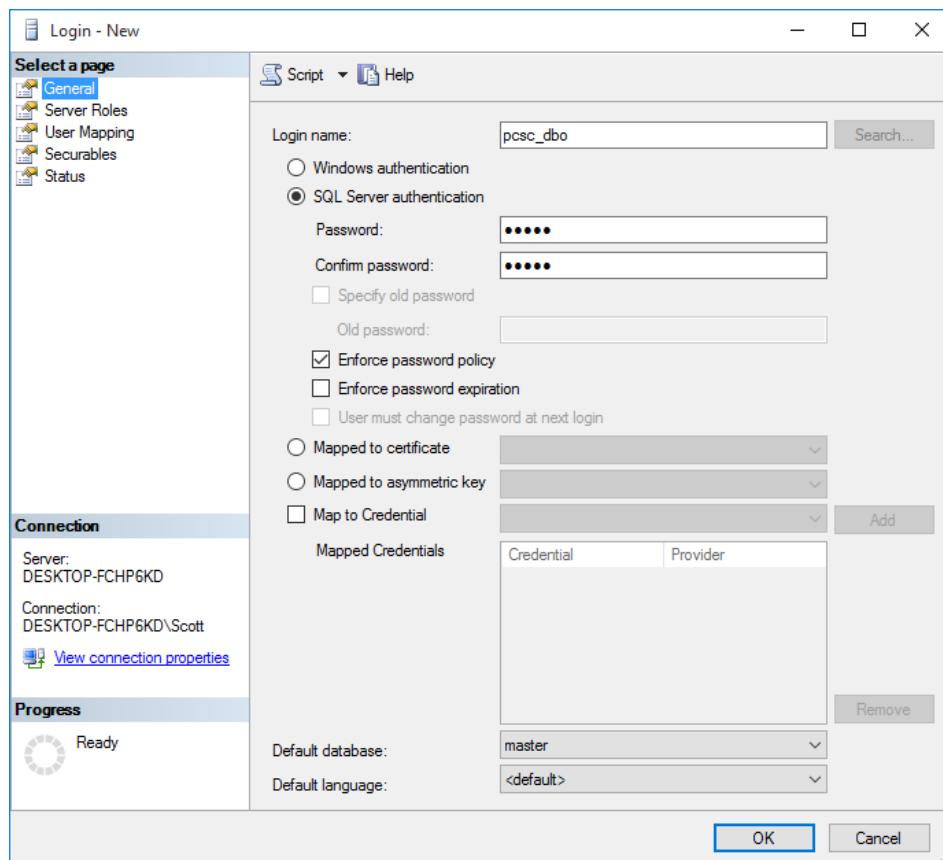


3. The **Login – New** window will appear. In the **Login name** text box, enter a new **DBO** login name.

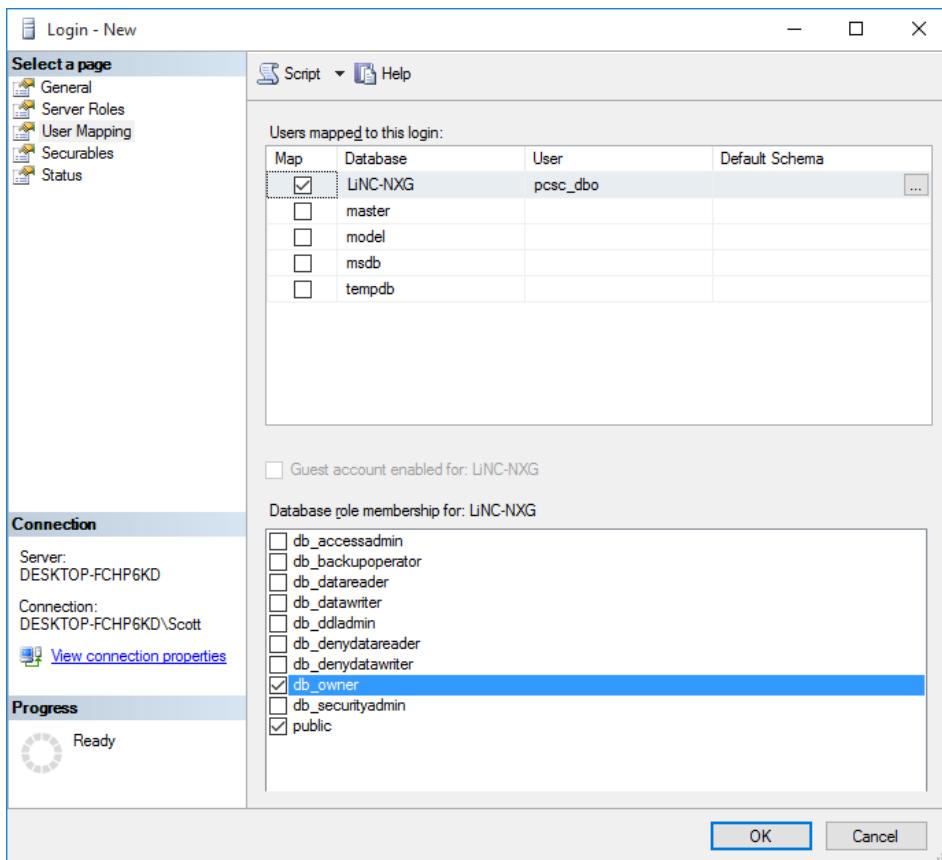
NOTE: We will use “pcsc_dbo” in our example below.

4. Select the **SQL Server authentication** radio button.
5. Enter, and then confirm, the new **Password**.
6. Unless directed otherwise by the IT Administrator, uncheck the **Enforce password expiration** and make sure **User must change password at next login** is also auto unchecked.

NOTE: Do not press the **OK** button yet.



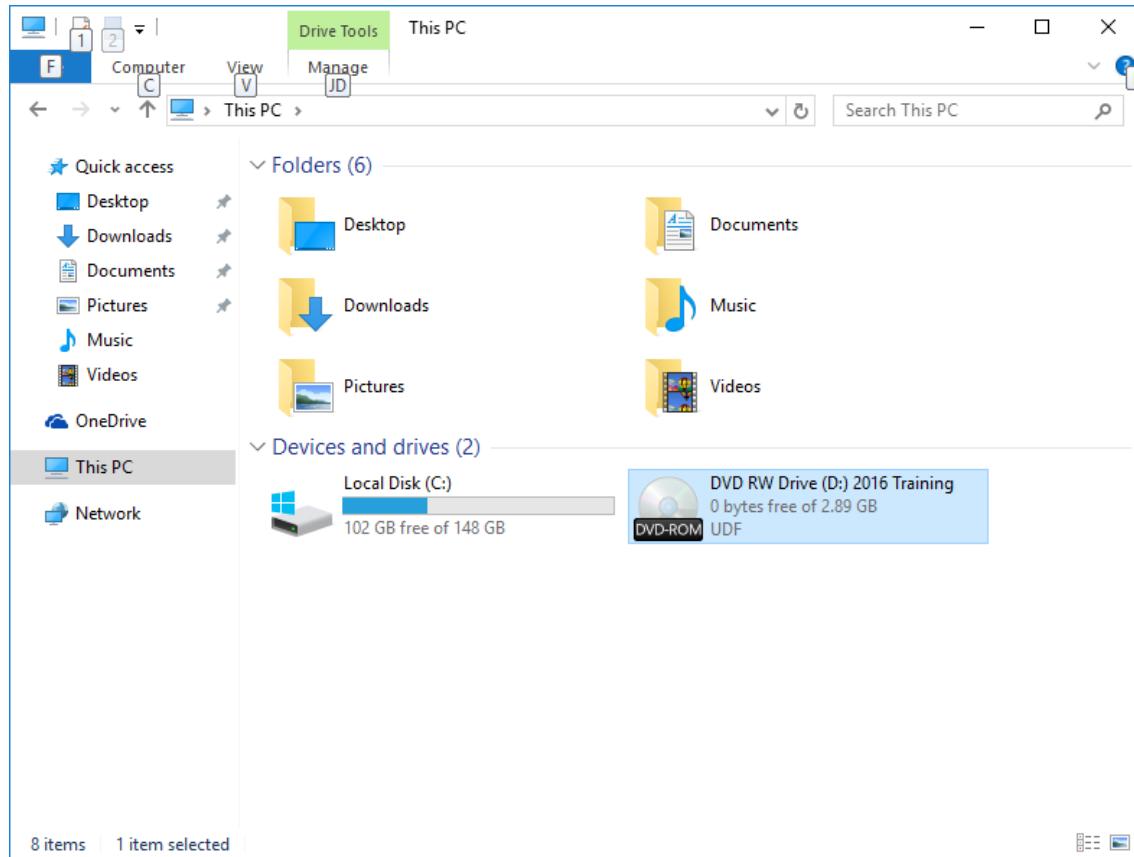
7. From the **Select a page** left-hand menu, select **User Mapping**.
8. Check the checkbox next to your LiNC-NXG database in the **Users mapped to this login** section. In our example below we are using the PCSC database.
9. In the **Database role membership for <database name>** select the **db_owner (DBO)** role.
10. Click on **OK** button. You have created the **pcsc_dbo** login with the **DBO** role and have mapped it to your NXG database.



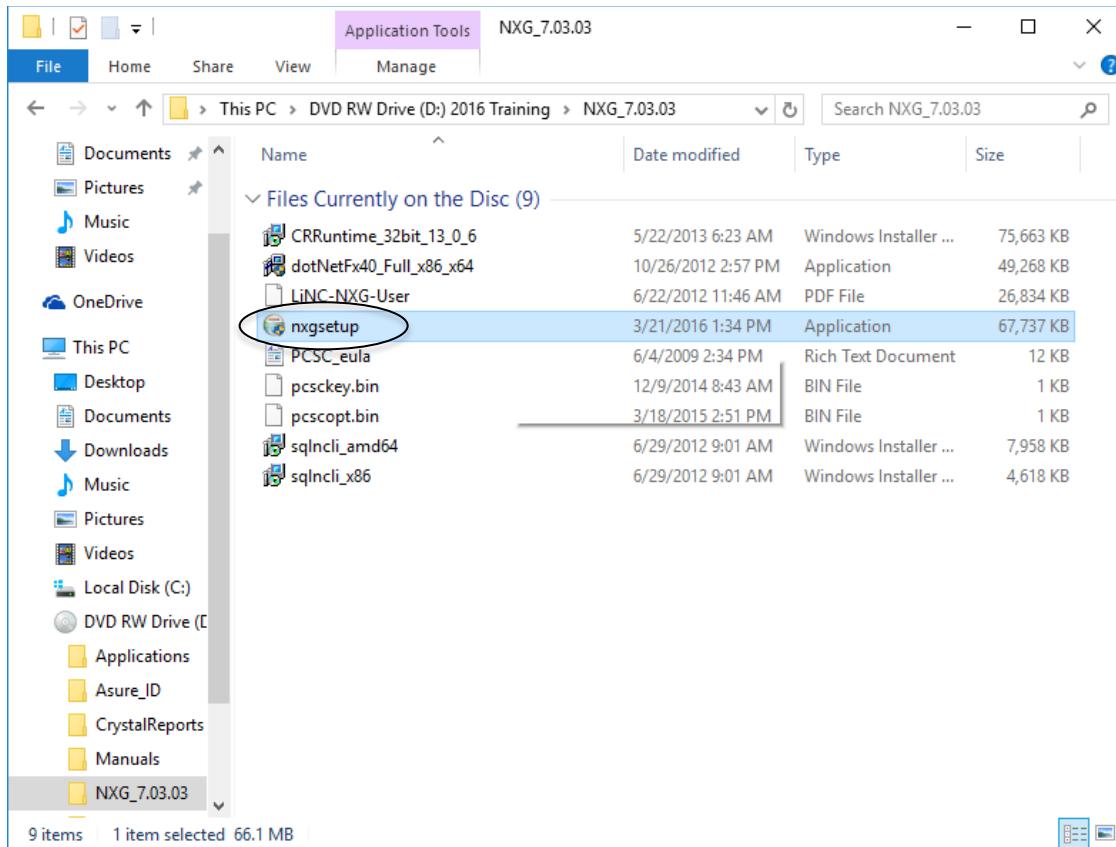
5.0 Installing LiNC-NXG

NOTE: The system should have a functional version of SQL Server 2012 and SQL Server 2012 Express prior to starting this installation.

1. Insert the **LiNC-NXG** DVD into the DVD-ROM drive or download the appropriate files from the PCSC Server.
2. If using a DVD, LiNC-NXG will activate an AutoPlay of the LiNC-NXG Installer. If you choose, you can instead press the **Open folder to view files** icon.

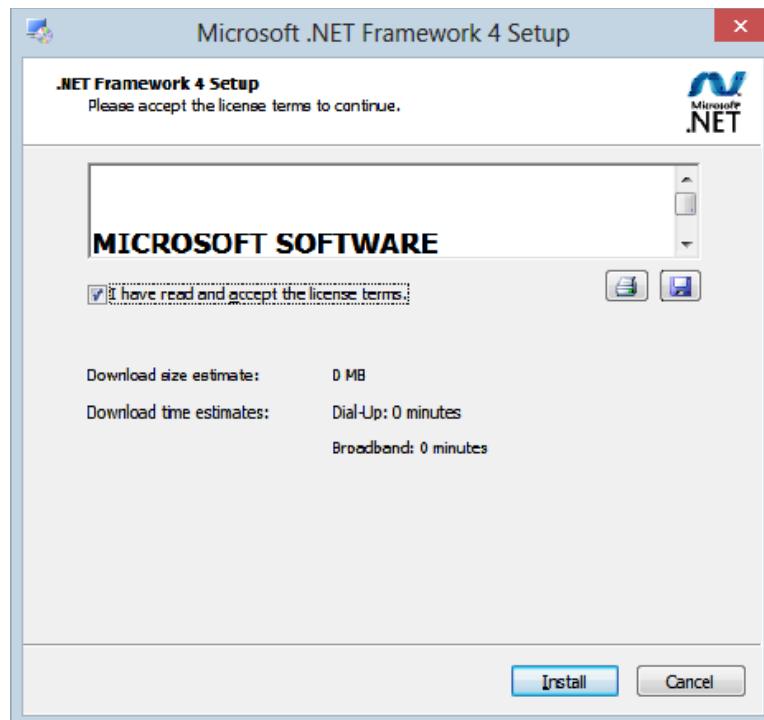


3. When you open the LiNC-NXG files, you will see multiple folders and files.

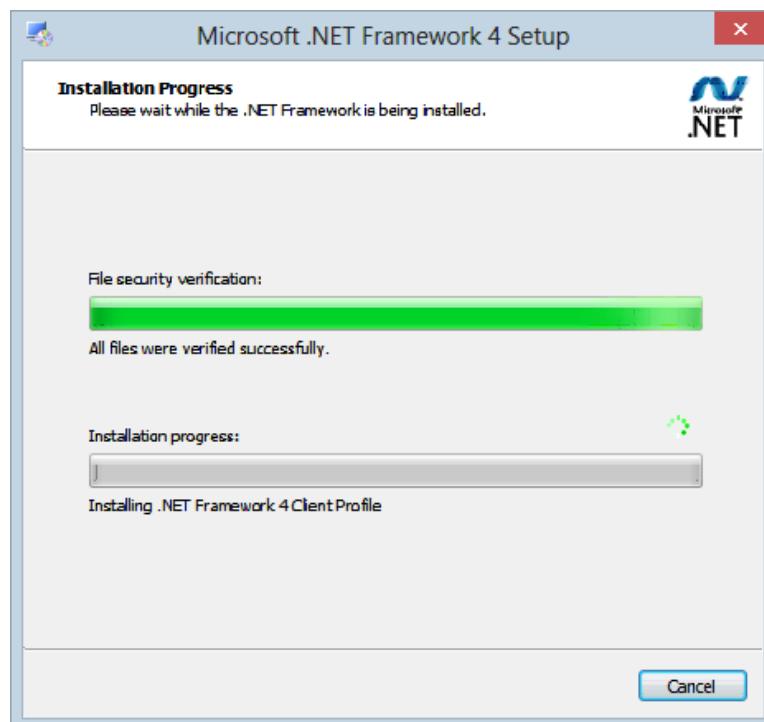


4. In the LiNC-NXG window, right-click the **NXG Setup** application and select “Run as an Administrator”.

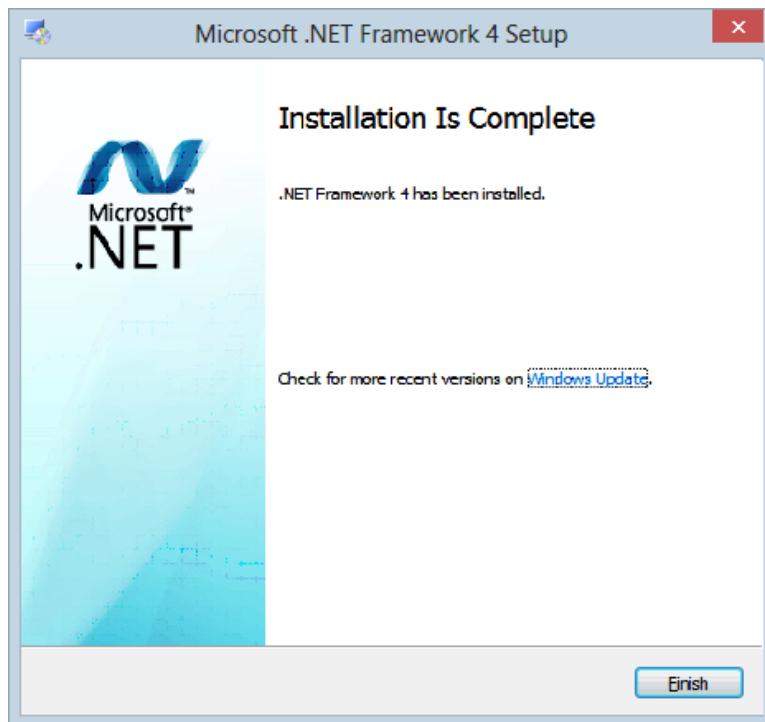
5. If the computer does not have Microsoft .NET Framework 4 installed, it will automatically start the installation with that software. Press the **Install** button to continue.



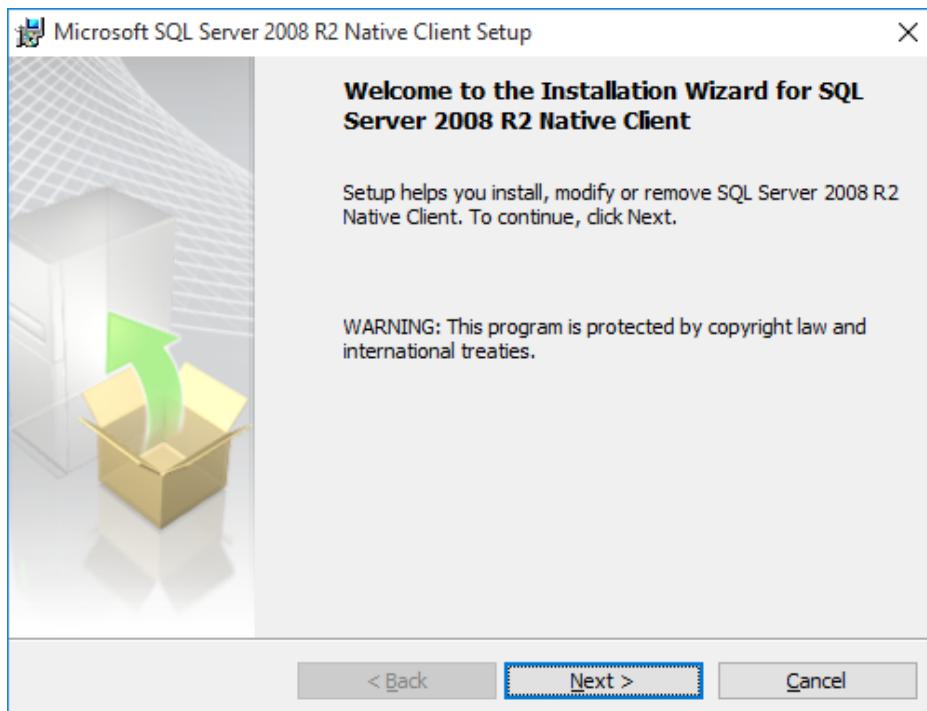
6. This will bring you to the **Microsoft .NET Framework 4 – Installation Progress** window.



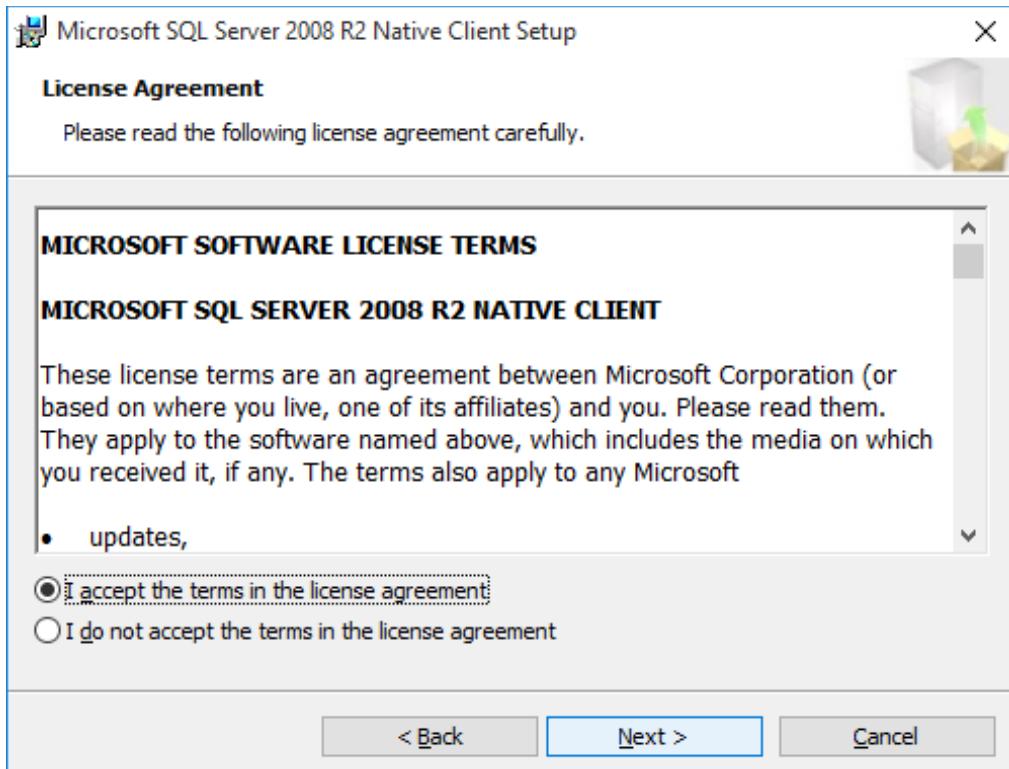
- Once complete, the **Installation is Complete** window will appear. Press the **Finish** button.



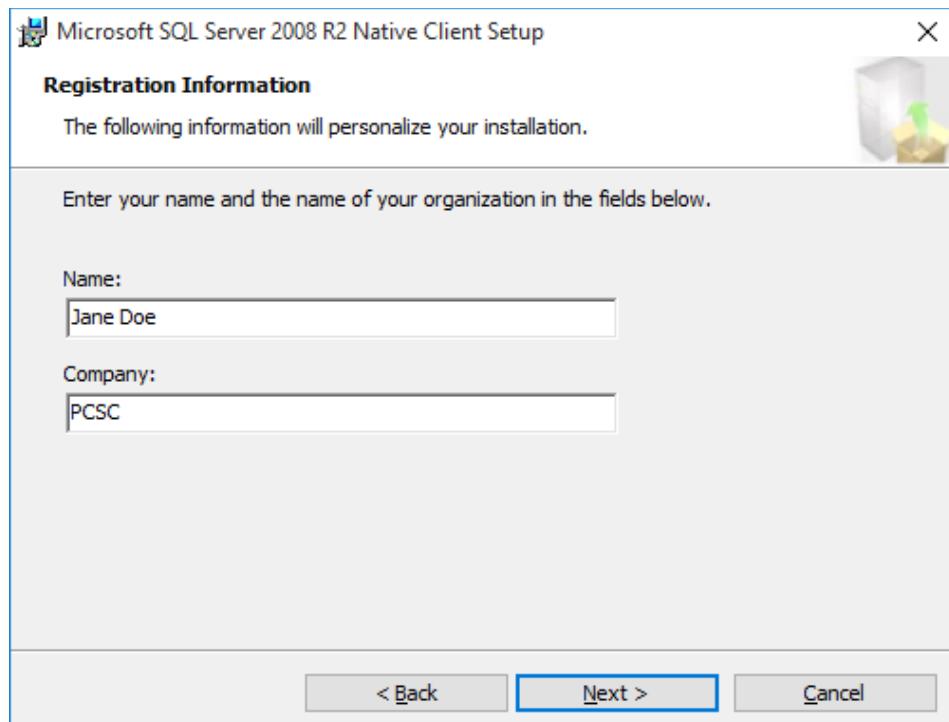
8. If the computer does not have Microsoft .SQL Server Native Client installed, it will automatically start the installation with that software. Press the **Next** button to continue.



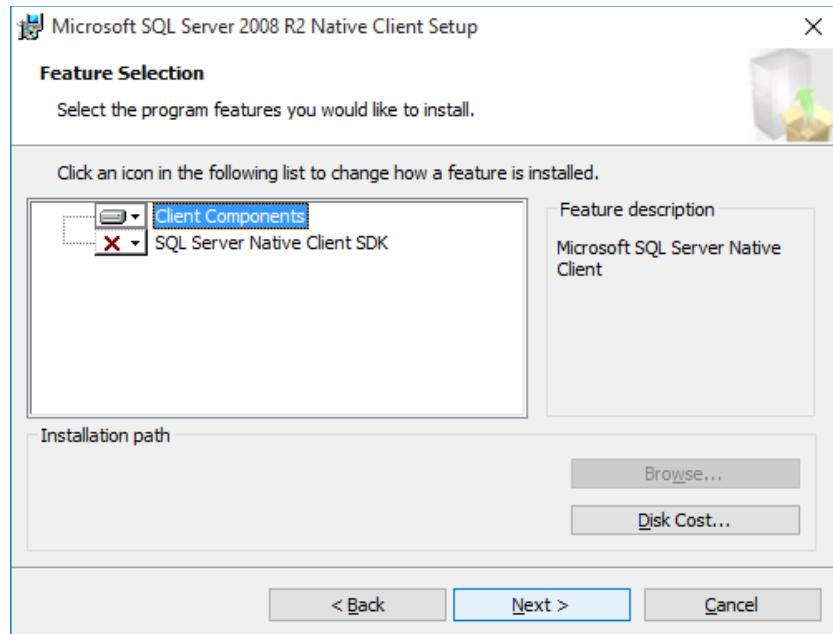
9. The **License Agreement** window loads. Select the “I accept the terms of the license agreement” radio box and click **Next** to continue.



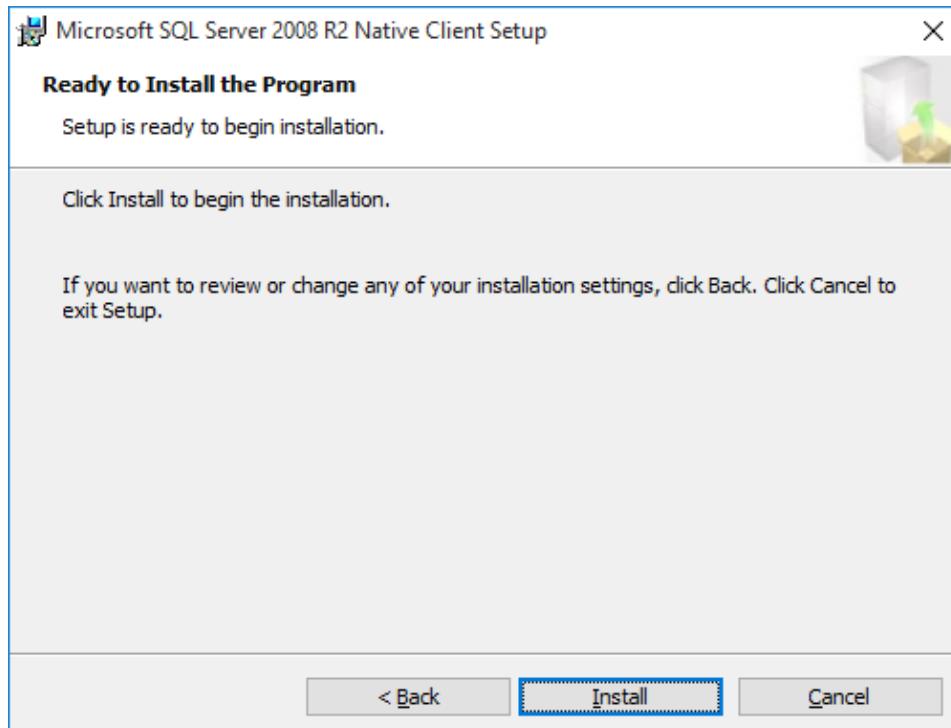
10. You are asked for registration information. Type in the appropriate name and company and click **Next**.

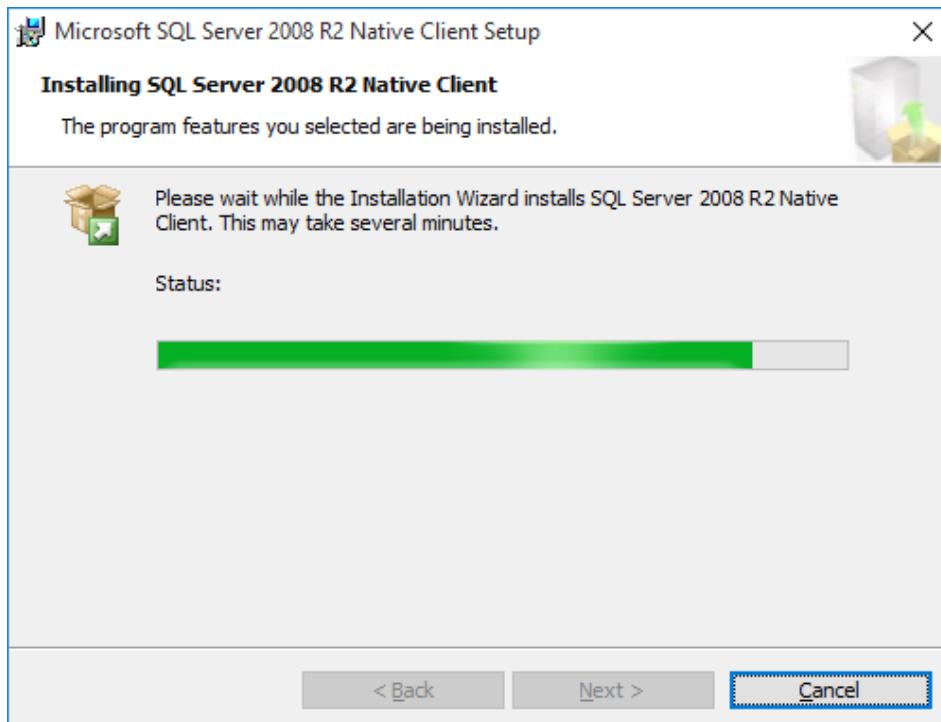


11. Select the feature sets you need. **Client Components** is required for LiNC-NXG installation.

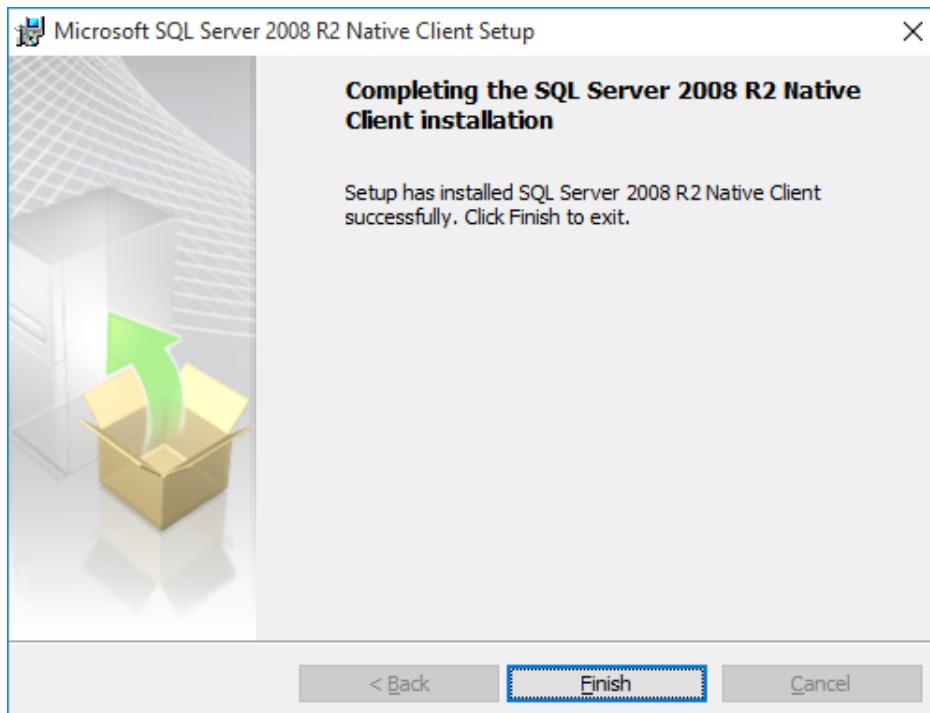


2. Right-click **Client Components** and select, "Will be installed on local hard drive." SQL Server Native Client SDK is optional and does not require installation.
3. Press the **Next** button.
4. Click **Install** to begin the installation

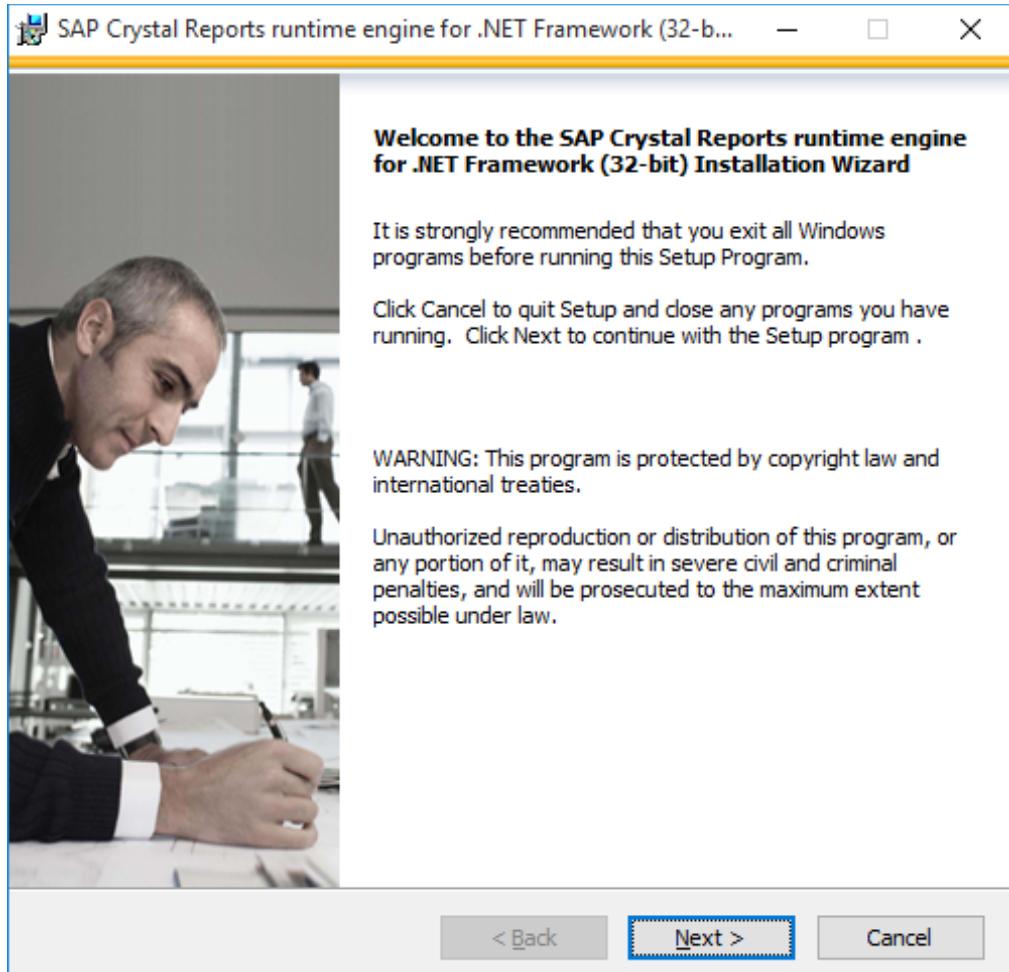




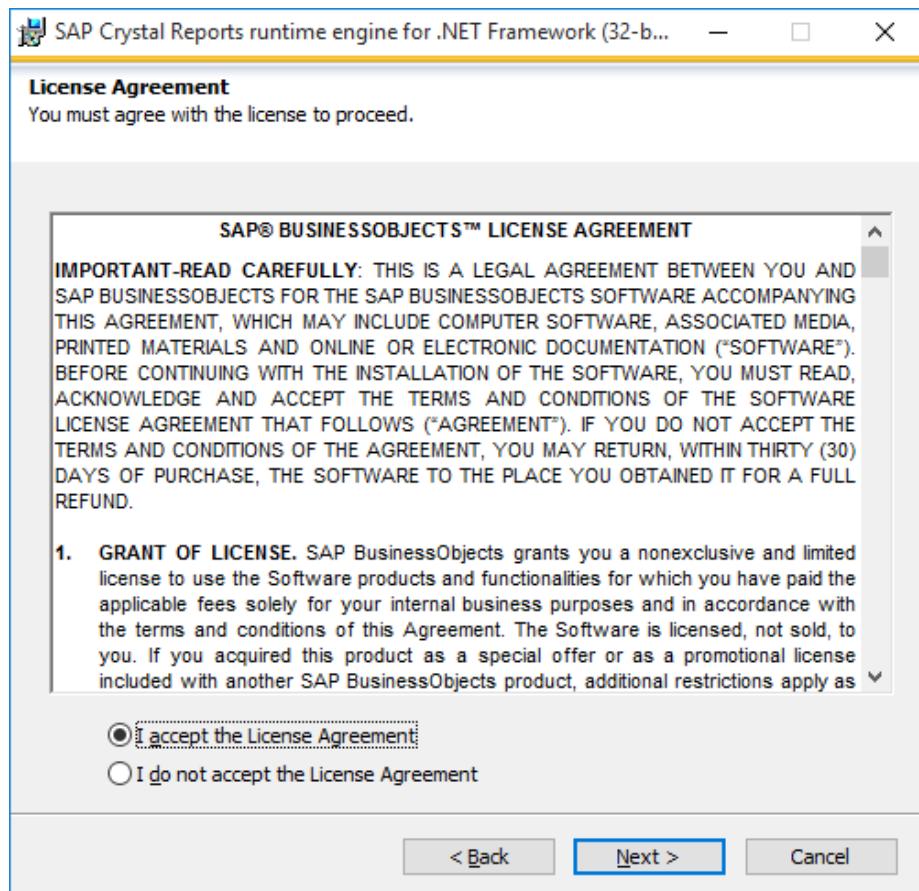
- When the installation is complete, click **Finish** to proceed to the next step in LiNC-NXG installation.



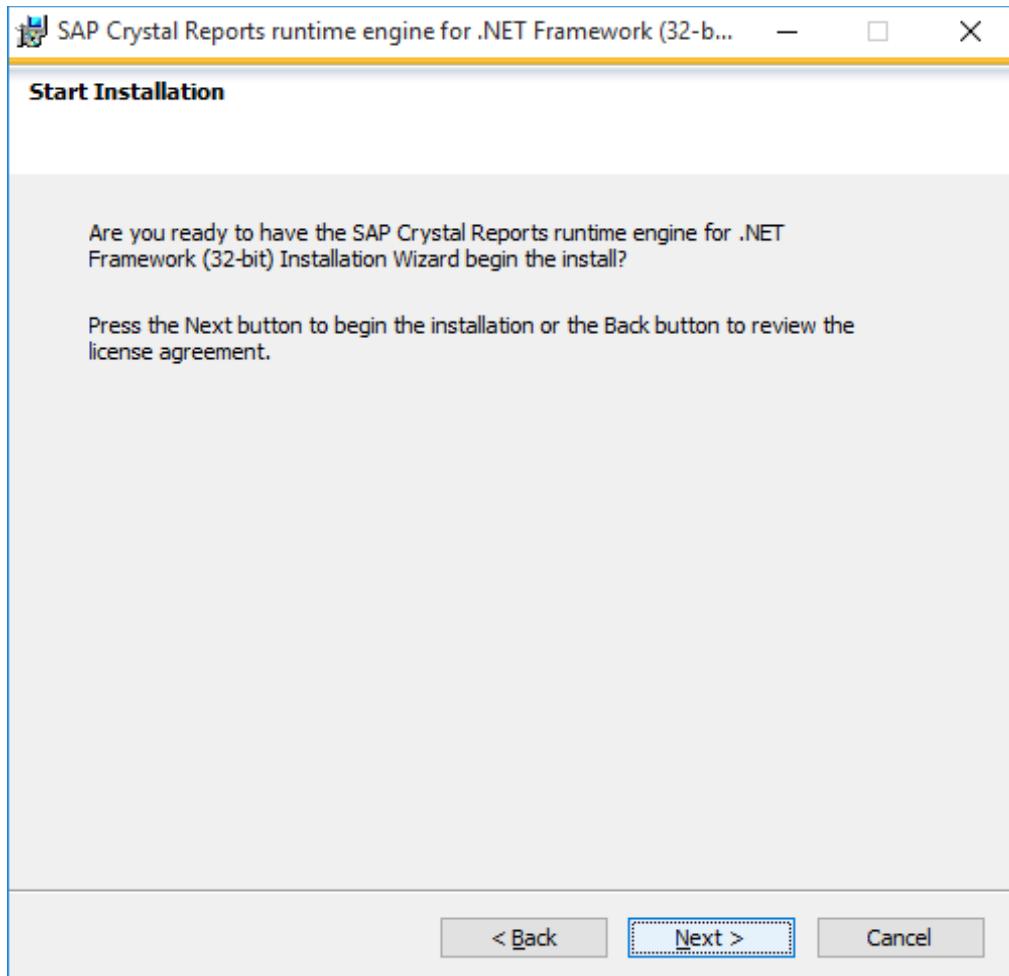
16. Once the .NET installation is complete, the system will install the latest version of SAP Crystal Reports. Press the **Next** button.



17. The SAP Crystal Reports – License Agreement will appear. Select the “I accept the License Agreement” radio button and press the **Next** button.



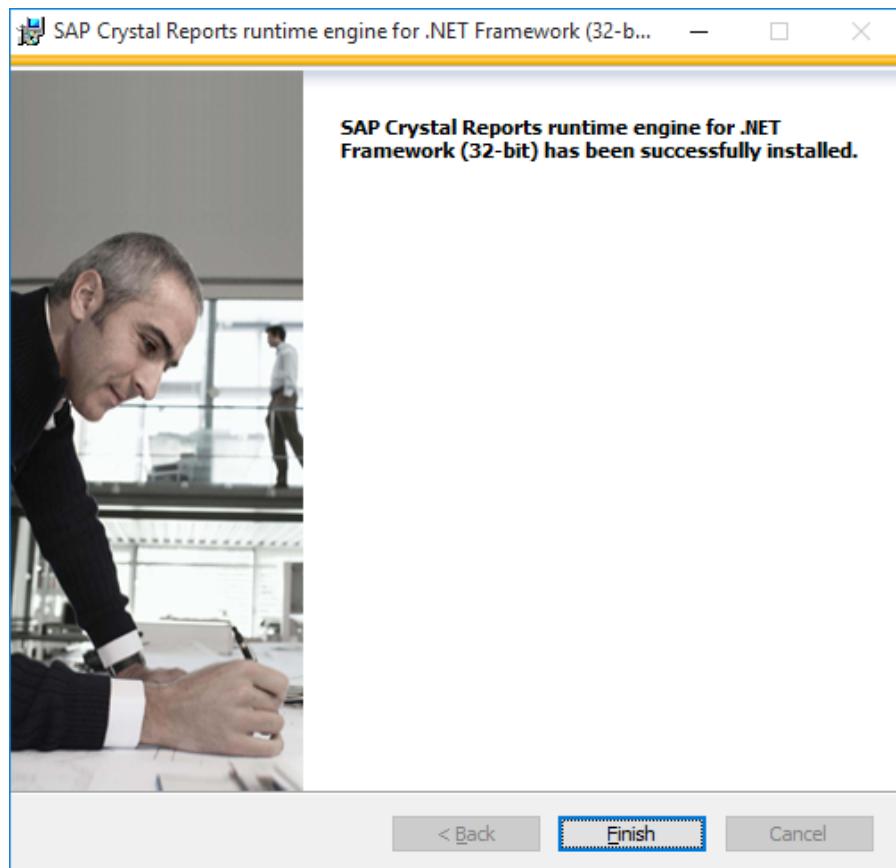
18. The SAP Crystal Reports – Start Installation window will appear. Press the **Next** button.



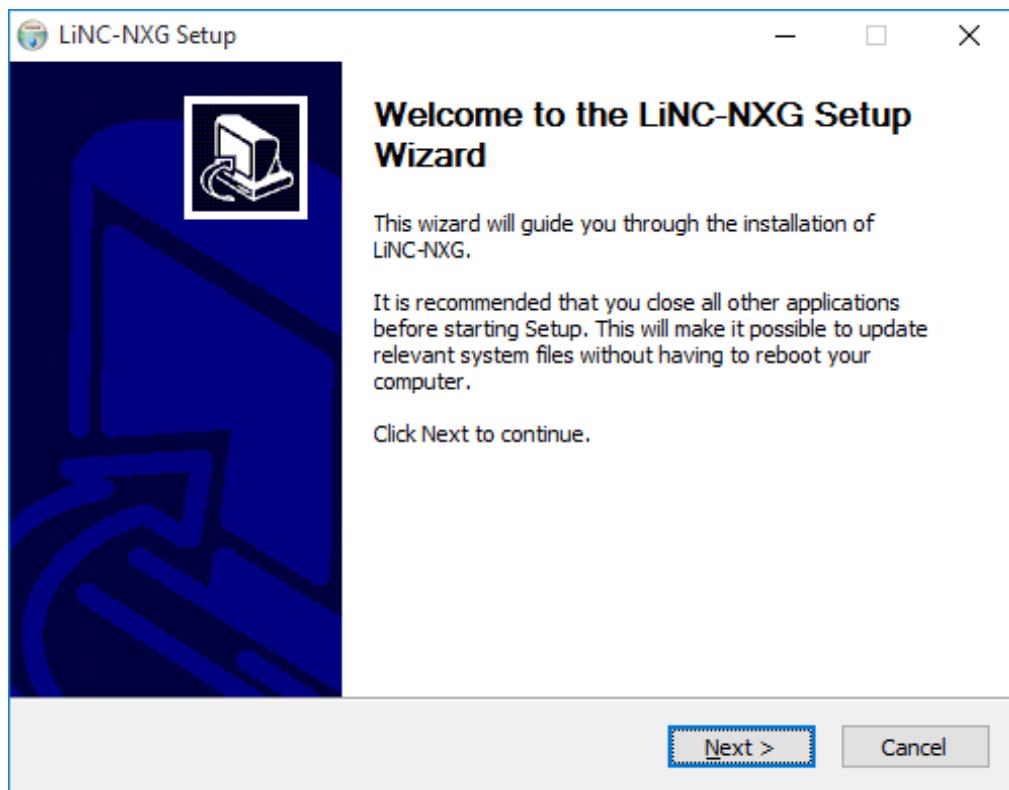
19. The installer will now install SAP Crystal Reports and all its components.



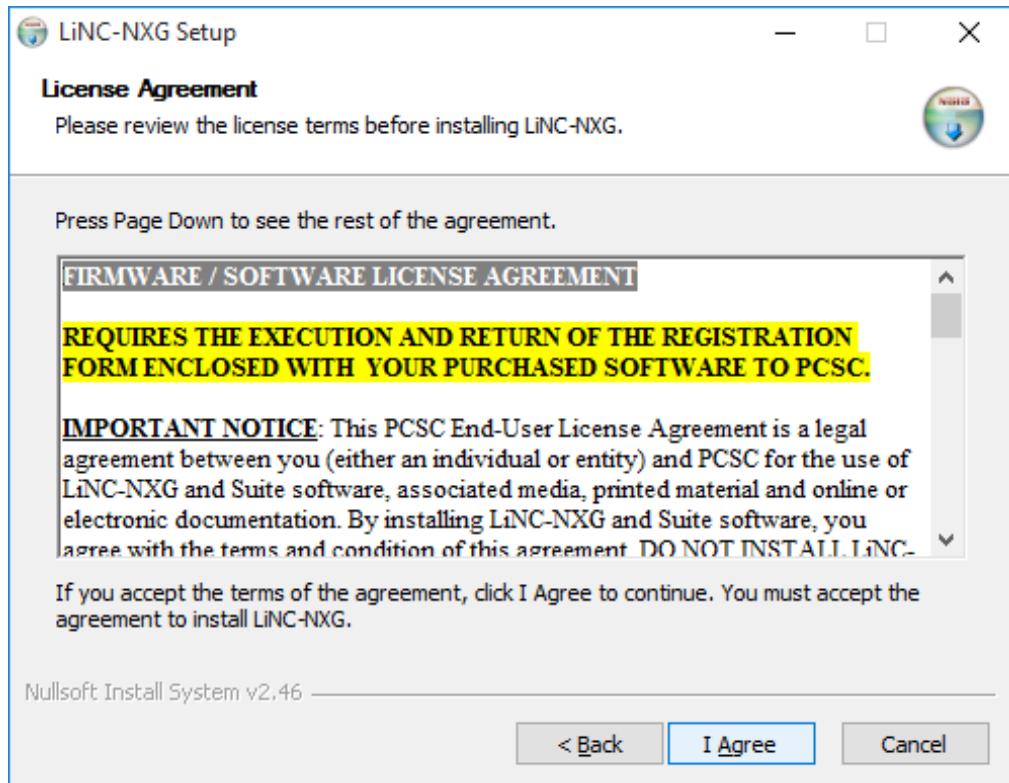
20. When SAP Crystal Reports installation is complete, click **Finish** to launch the LiNC-NXG Installation Wizard.



21. The LiNC-NXG Installation Wizard launches. Click **Next**.

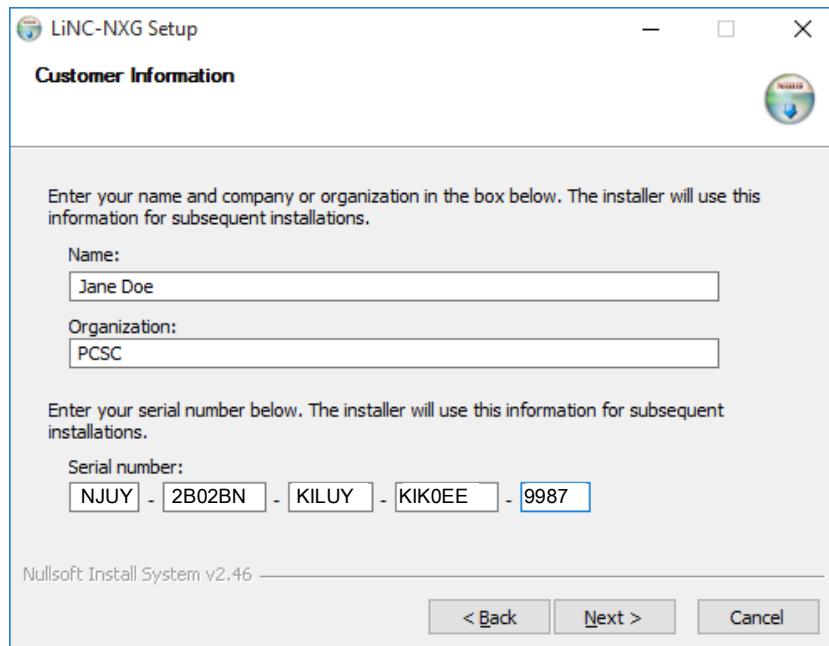


22. The LiNC-NXG License Agreement will appear. Press the I Agree button



23. The **Customer Information** window will load. Fill in the **Name** and **Organization** fields. Additionally, fill in the **Serial number** of the program that you received from PCSC or your PCSC-approved dealer.

NOTE: Please reference the LiNC-NXG software DVD for the serial number.



NOTE: PCSC provides a Temporary License number within the LiNC-NXG install disk. The Temporary License will register the PC and will allow LiNC-NXG to be operational for 30 days before the program reverts back to a 48hr. DEMO mode.

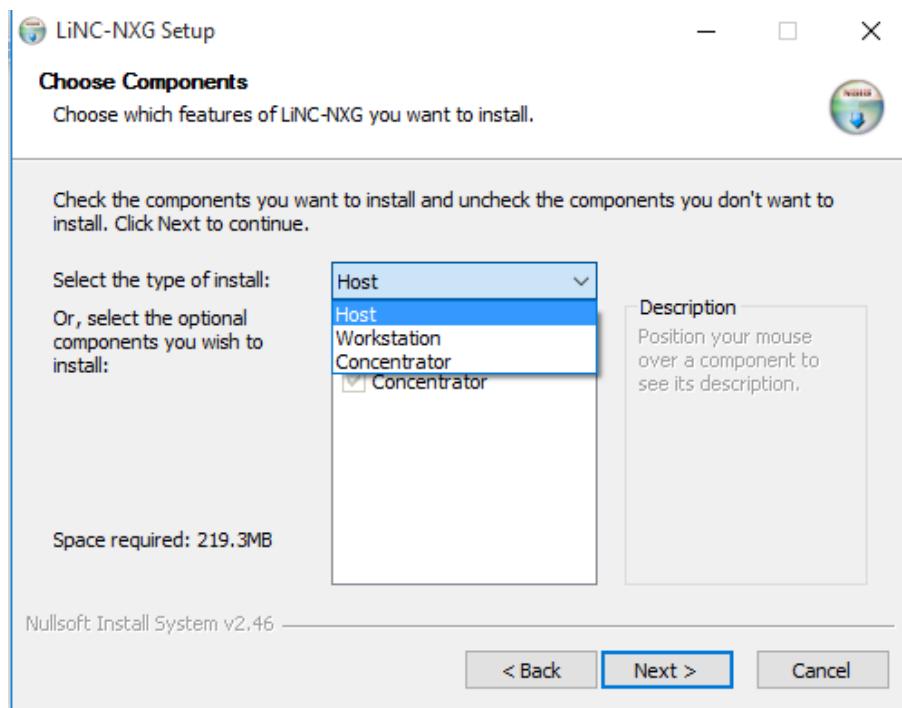
NOTE: If you do not have a serial number (or Temporary License number), entering all zeros (0) will allow you to use the system within a 48hr. DEMO mode.

NOTE: In 'DEMO' mode, the default Site Code is 255.

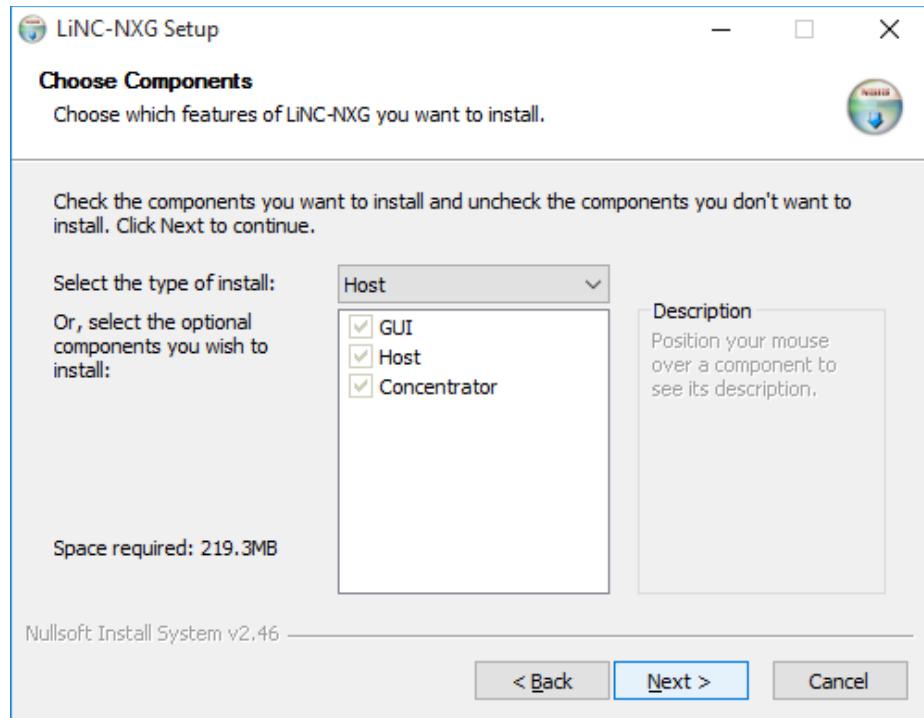
NOTE: In 'DEMO' mode, the system is limited to the number of readers and cards that can be defined and also has a default Site Code of 255.

24. Press the **Next** button to continue.

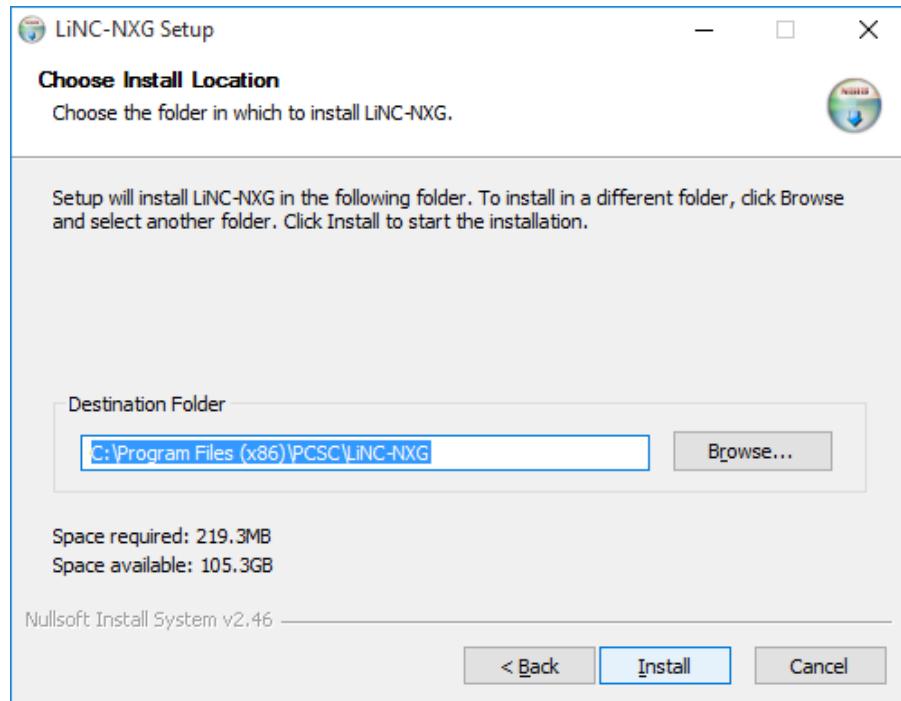
25. You will be asked to choose which components of LiNC-NXG you wish to have installed. Select **Host** as the type of install (the other types of install are “Workstation” and “Concentrator”).



26. In the **Choose Components** window, the Installation Wizard will automatically choose the necessary components for the installation. Click **Next** to continue.

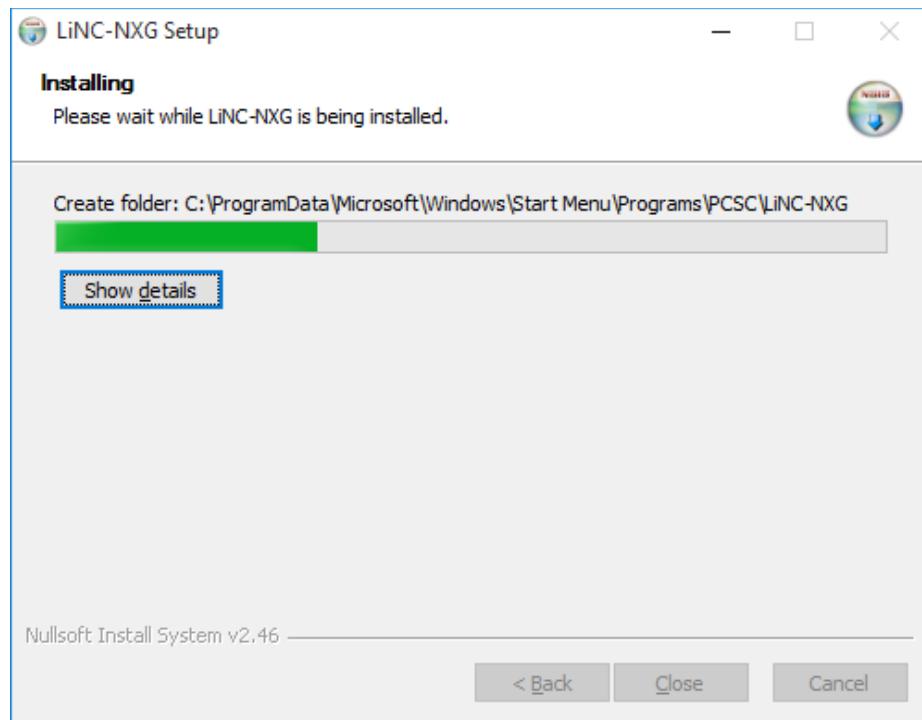


27. You will be brought to the **Choose Install Location** page. A default folder location on the local computer will be displayed. If a different location is desired, select the **Browse** button and navigate to the folder where LiNC-NXG is to be installed.



28. Press the **Install** button to continue.

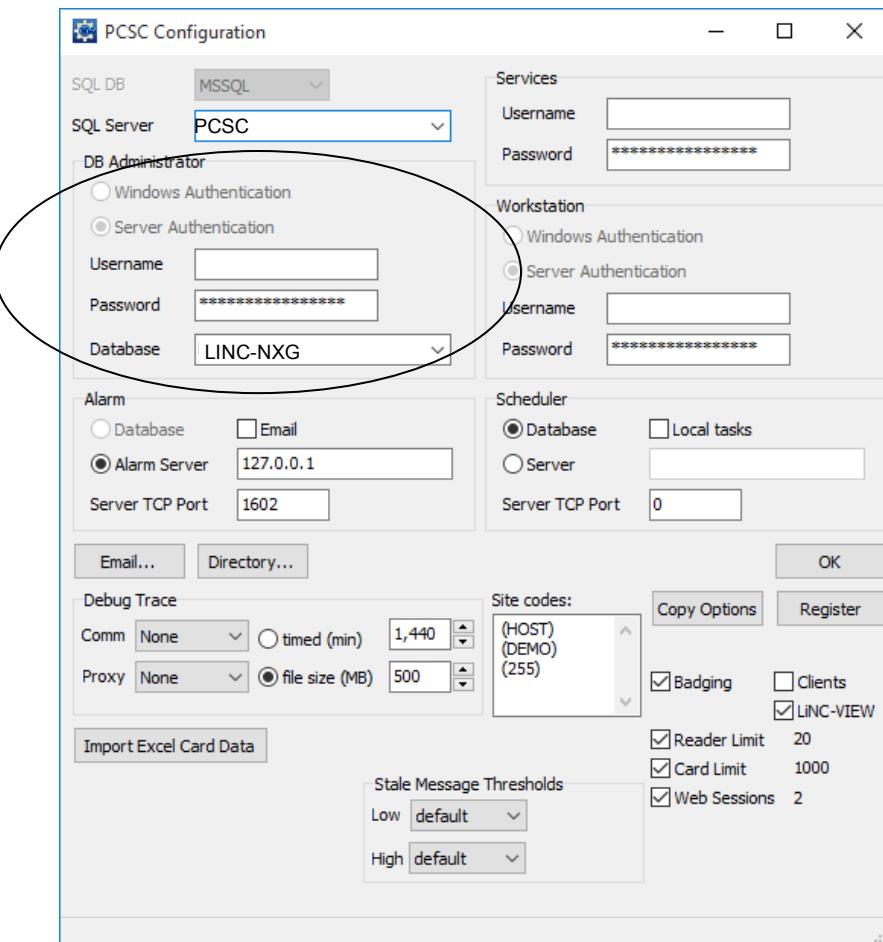
29. LiNC-NXG will install on your system.



30. During the installation, the **PCSC Configuration** window will appear, confirming the location of the SQL database. Identify the SQL Server, the DB Administrator (DBO) authentication, and Services (DBRW) authentication to access the appropriate database.

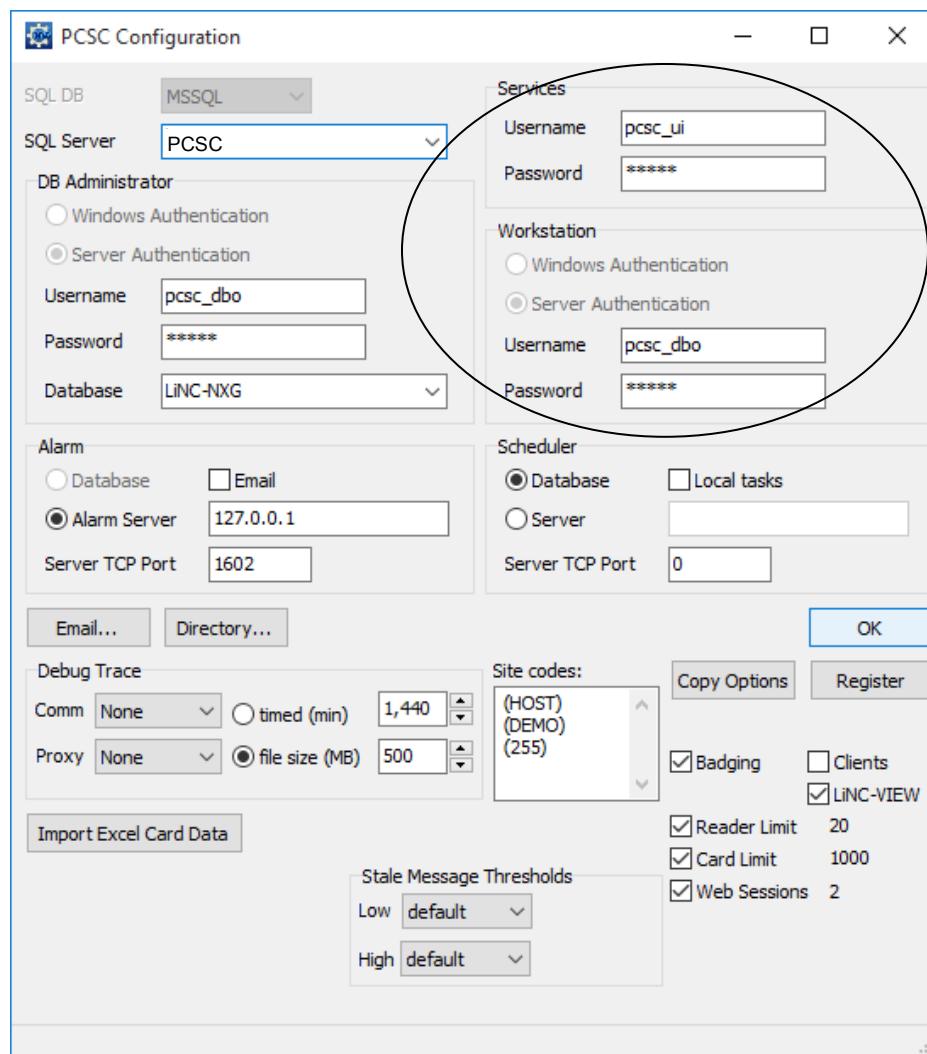
31. In the **DB Administrator** section, add your new **DBO login (pcsc_dbo)** and password for the **Username** and **Password**.

NOTE: You must input the **DBO login and password to DB Administrator** section of the **PCSC Configuration Utility** each time you update the database or upgrade LiNC-NXG.



NOTE: The SQL Server database may need to be identified by [**network location**] **SQLEXPRESS** or [**network location**] **SQL** in order to locate the proper **Database**.

32. In the **Services** and the **Workstation (UI)** sections, add the **DBRW login (pcsc_ui)** and password for the **Username** and **Password**.



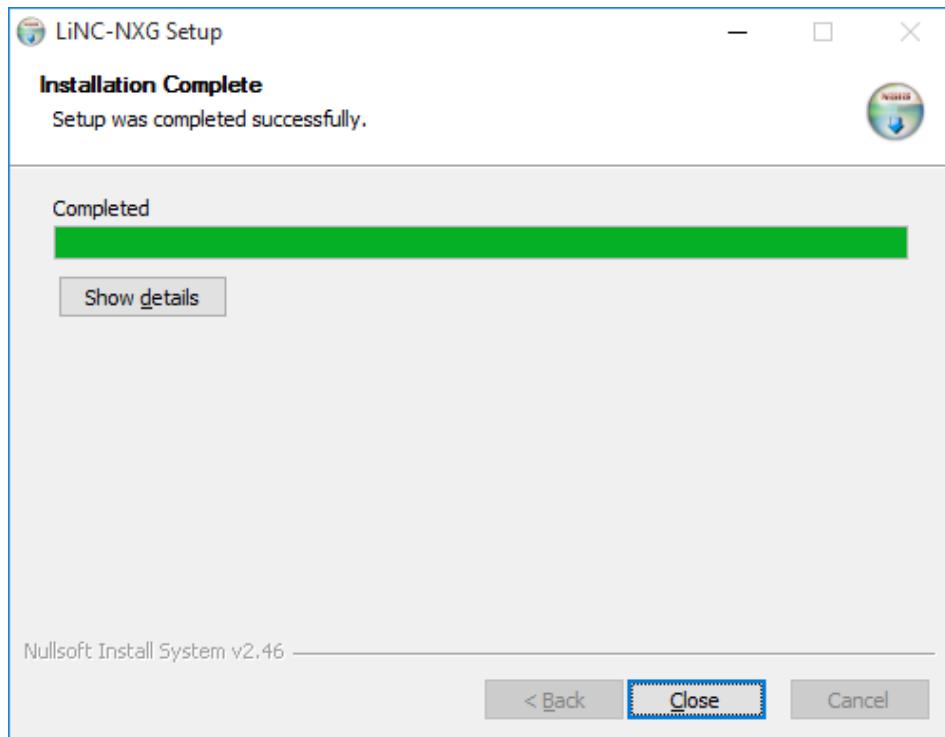
In the **Scheduler** section, select the following:

- Select the **Database** radio button if the computer is monitoring the database (standalone/host)
- Select the **Server** radio button if the computer is NOT monitoring the database (workstation)
- Check the **Local Tasks** checkbox if the computer is going to run local tasks such as running reports.

NOTE: Within the **Alarm** section, the **Alarm Server** will have the IP Address of the Host Computer. All Workstations should have the Host Computer IP Address also. Check with your IT Administrator for the correct settings.

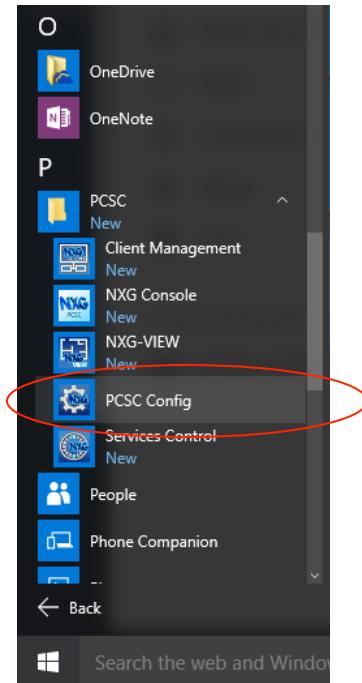
NOTE: To learn about how to set up alarm notifications via email, see PCSC technical bulletin, **Setting up an Alarm Notification Email within LiNC-NXG** (P/N 39-40011-001)..

33. Press the **OK** button.
34. When the Installation is finished, the **Installation Complete** page will display. Press the **Close** button. You will be brought back to your Windows™ desktop.



5.1 Starting PCSC Configuration

1. Start the **PCSC Configuration** by accessing the Windows Start menu: **Start/ PCSC/ PCSC Config.**



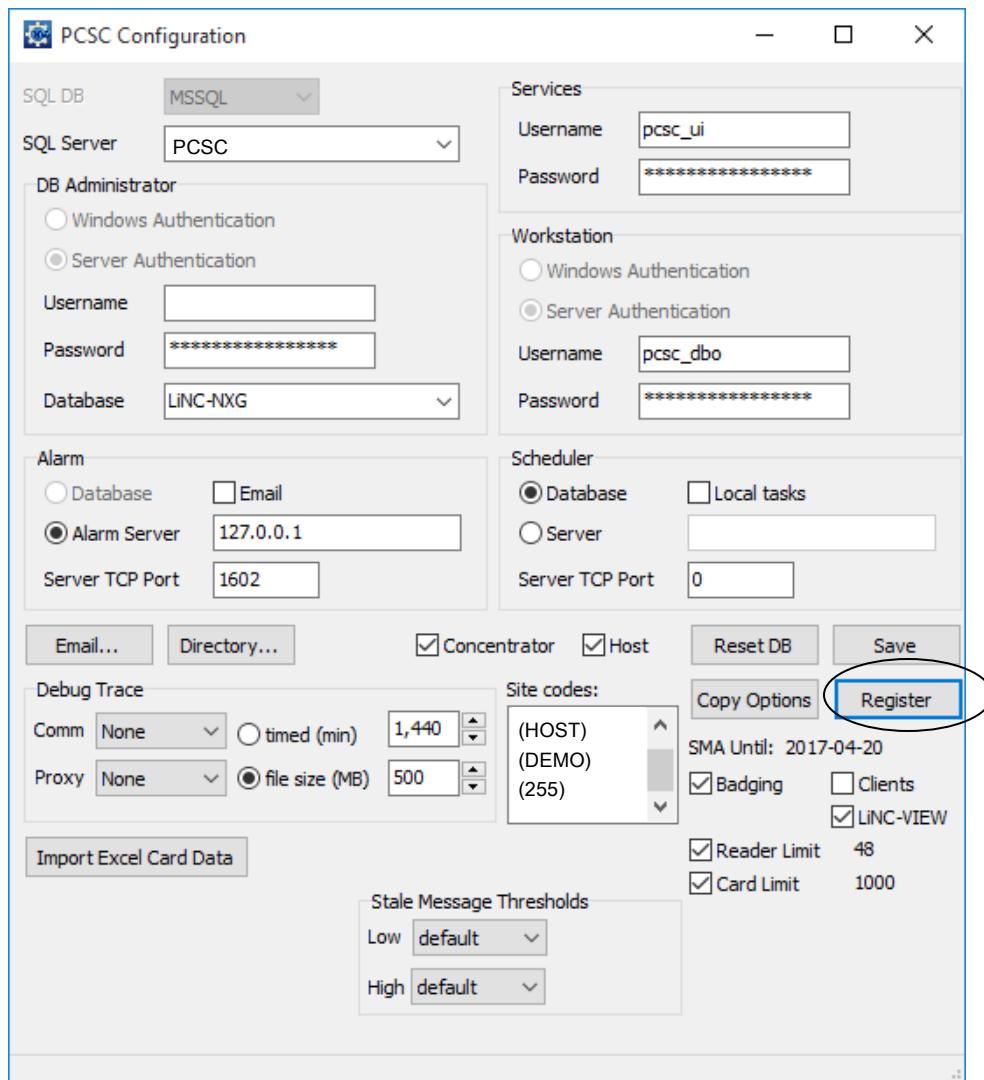
5.2 Registering the LiNC-NXG Software

Each copy of LiNC-NXG needs to be registered with PCSC prior to its proper use with the system.

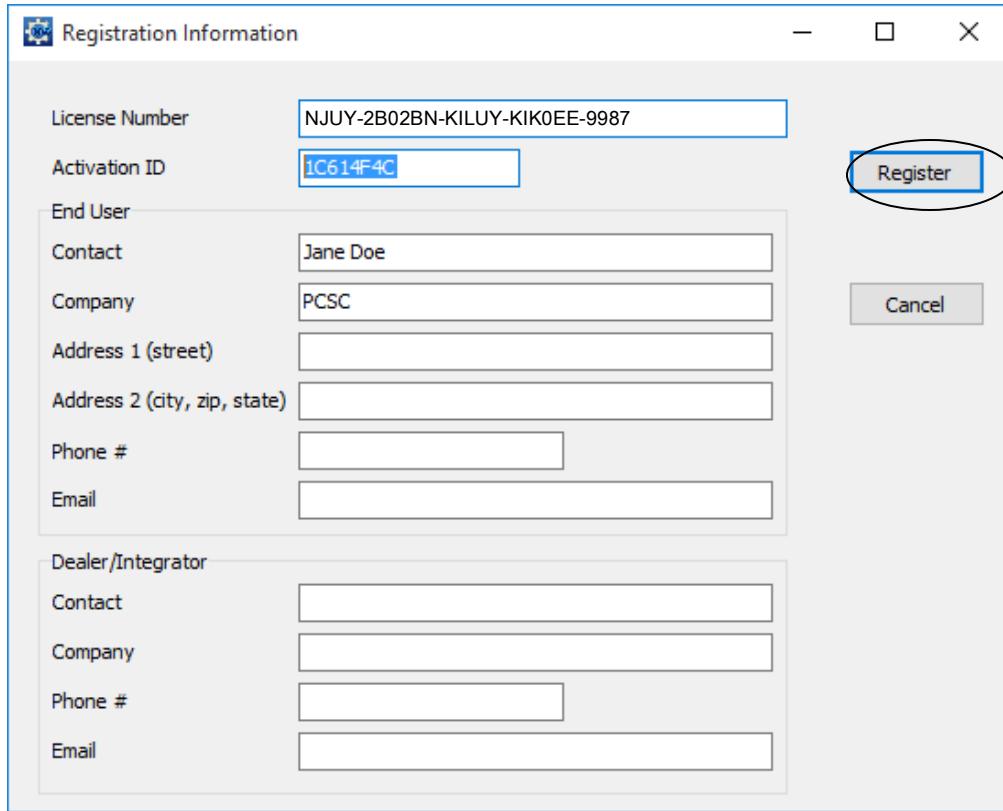
5.2.1 Registering via the Internet.

NOTE: An Internet connection is required to complete the Registration process. Should an Internet connection not be available, please see Section 5.2.2.

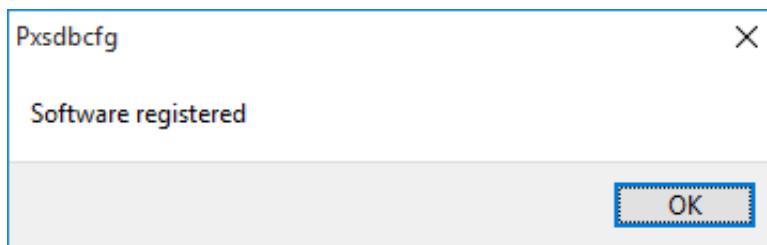
1. Open the PCSC Configuration window.
2. In the lower right hand corner press on the **Register** button.



3. The **Registration Information** window will appear. Fill in each text box within the window.

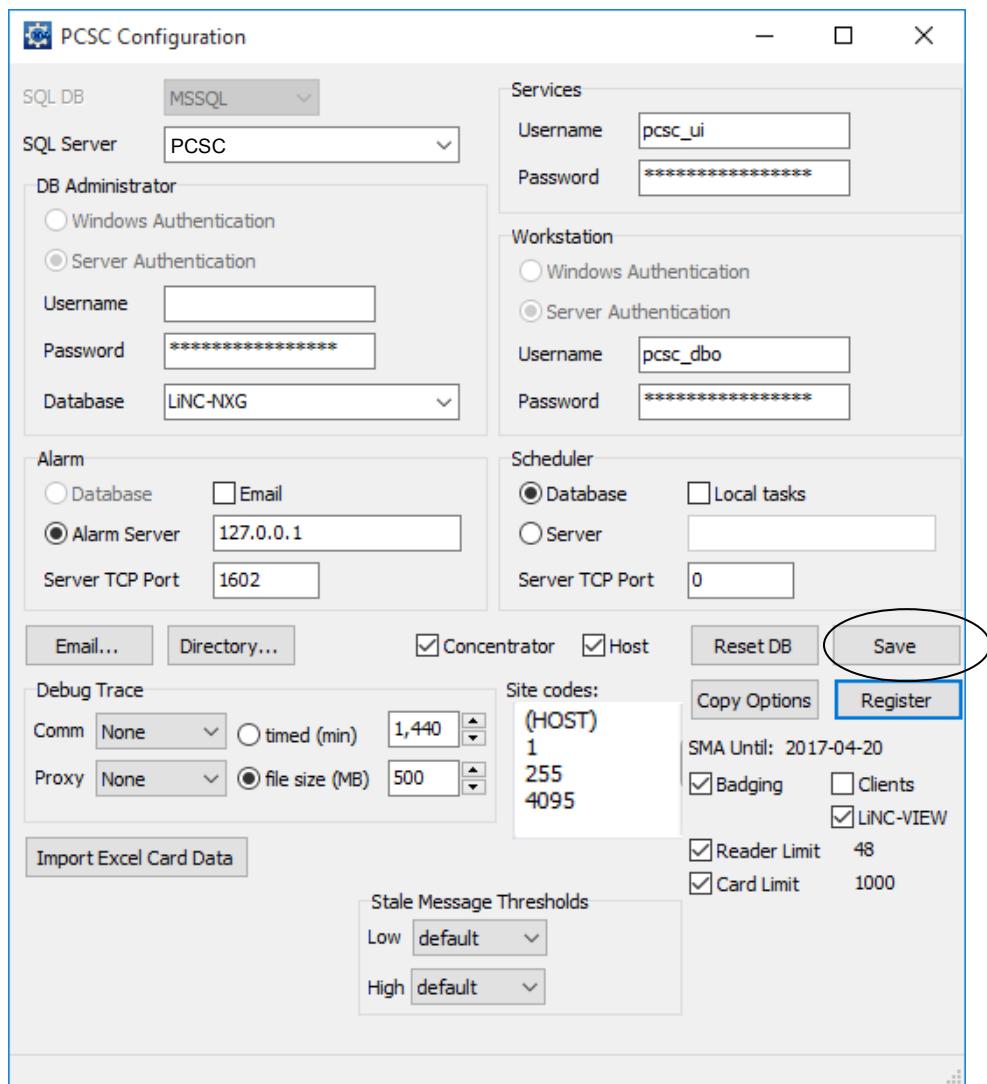


4. Press the **Register** button. A connection to the PCSC registration server will commence.
5. The **Registration Information** window will confirm a valid registration.



NOTE: Please see section 5.2.2 if no Internet connection is available.

NOTE: The network configuration may “block” the port (socket port error) that is necessary to register over the Internet.



6. Confirm the completion of the registration through the **Site codes** window, which should no longer see the (DEMO) text, but rather the updated site codes.
7. Press the **Save** button to complete the registration.

5.2.2 Registering NXG without an Internet Connection.

If an Internet connection is not available; the NXG software can be registered in the following way:

1. Fill in the Registration form completely.
2. Take a screen shot of the completed Registration form and save in a word processor program such as Microsoft Word or WordPad.
3. Transfer the save Registration form to a computer with Internet access.
4. Email the form to: techsupportdl@1pcsc.com for registering.
5. PCSC Technical Support will process the registration request and send a return email when the registration is complete.

NOTE: Each installation of LiNC-NXG will require registration. Send a screen shot for each computer on which LiNC-NXG is installed.

The dialog box is titled "Registration Information". It contains two main sections: "End User" and "Dealer/Integrator".

End User:

- License Number: NJUY-2B02BN-KILUY-KIK0EE-9987
- Activation ID: IC614F4C
- Contact: Jane Doe
- Company: PCSC
- Address 1 (street): [empty]
- Address 2 (city, zip, state): [empty]
- Phone #:
- Email:

Dealer/Integrator:

- Contact: [empty]
- Company: [empty]
- Phone #:
- Email: [empty]

Buttons: Register (highlighted in blue), Cancel.

NOTE: Once the registration files have been received from PCSC, proceed to Section 5.3 to complete the registration process.

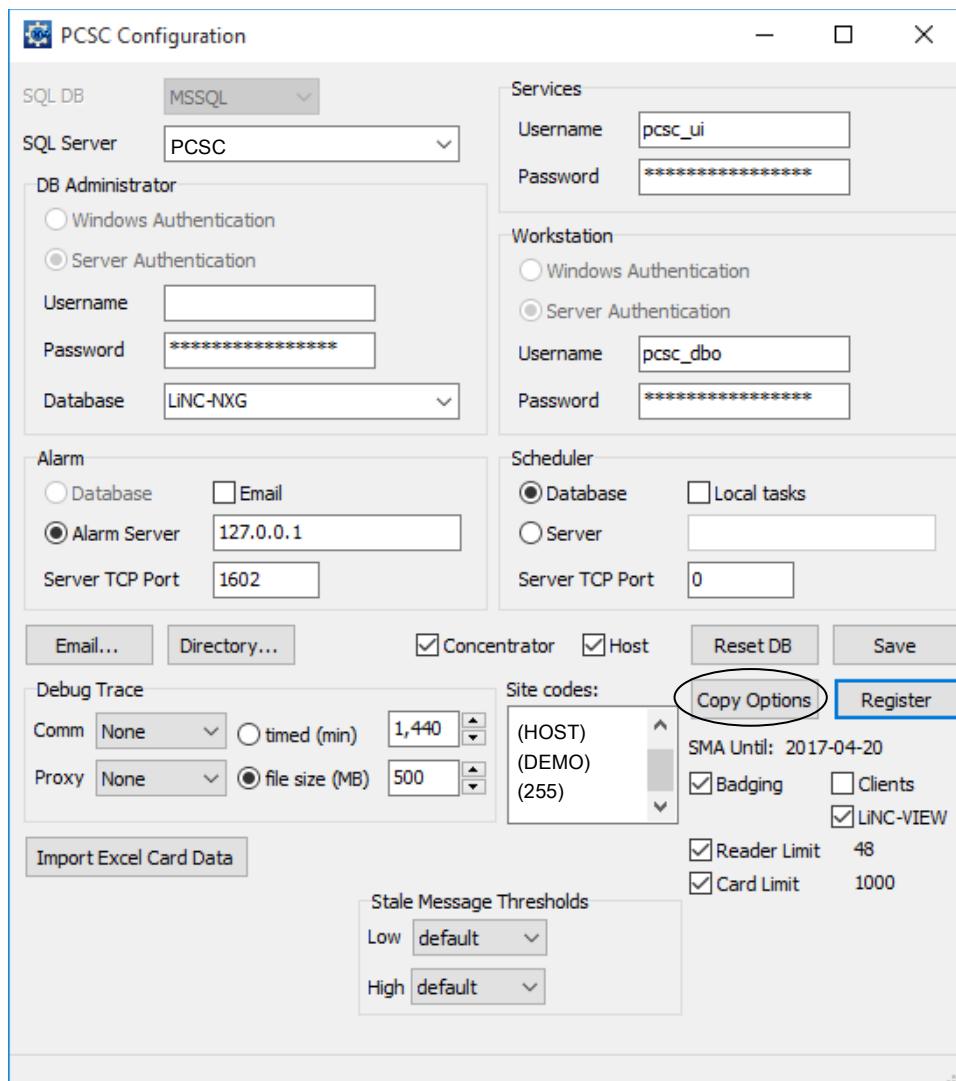
5.3 Finalizing the Install with Copy Options

Each copy of LiNC-NXG will have options for additional items such as badging, clients, photo trace, and LiNC-VIEW which will not be active during a normal installation.

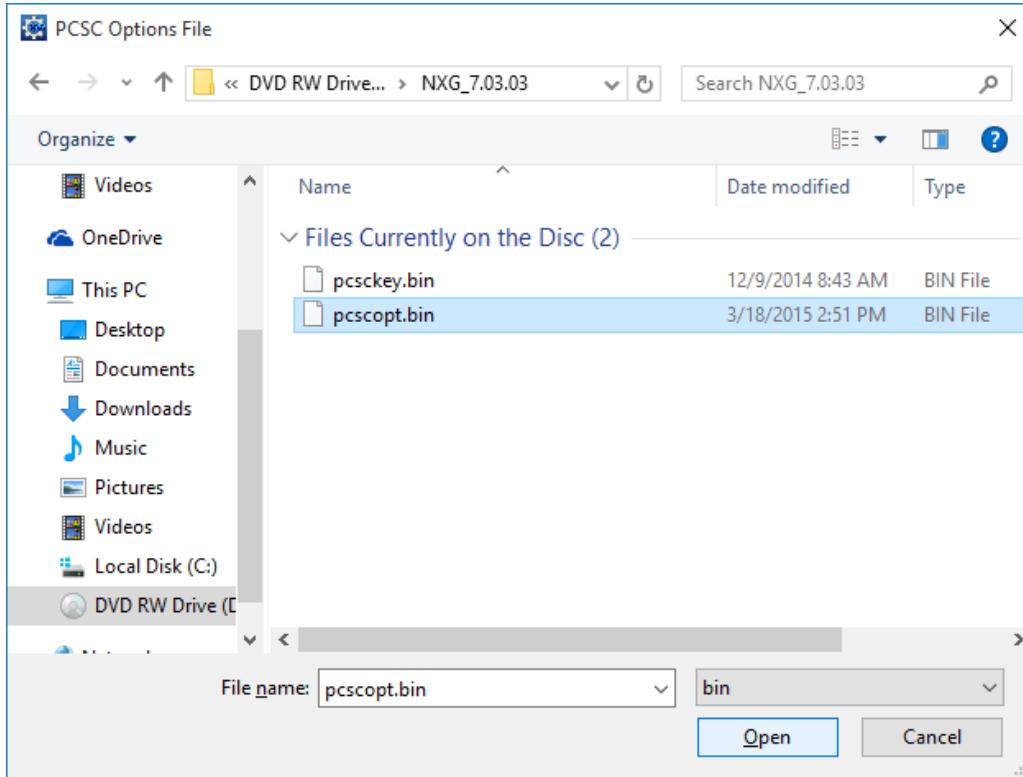
Once the standard installation is complete, any additional options can be activated from a client's unique **pcscpt.bin** file. To do so, the client pcscpt.bin and pcsckey is required to be copied to the local PC.

Procedure:

1. The **pcscpt.bin** file will be provided either on a flash drive, CD, within an email to the administrator or during the software registration process.
2. Once the pcscpt.bin file has been identified, open the **PCSC Configuration** window.
3. Press the **Copy Options** button.

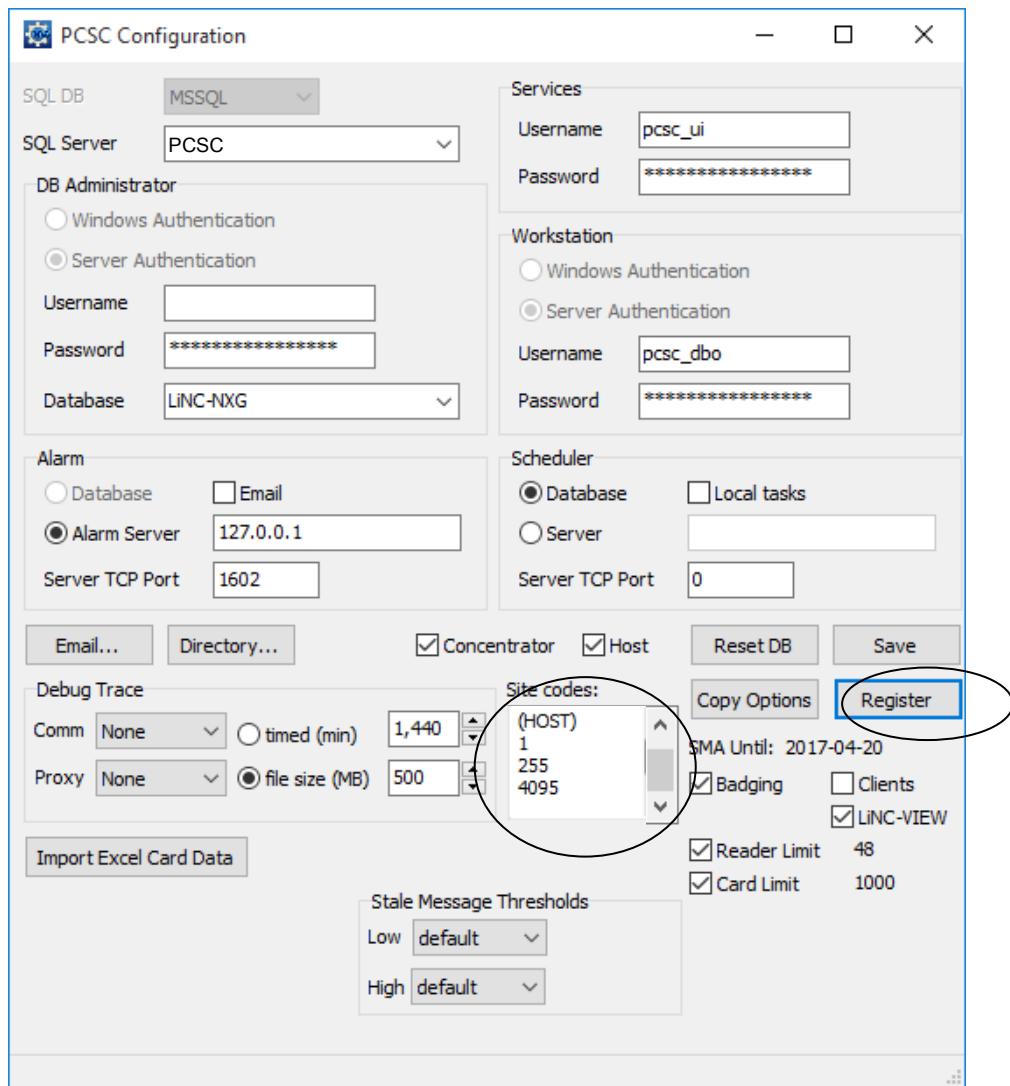


4. The **PCSC Options File** window will appear. Browse the installation DVD or installation directory to locate the **pcscpt.bin** file.



5. Select the file.
6. Press the **Open** button.

7. The PCSC Options file window will automatically close. The additional purchased features of LiNC-NXG will appear with checks in the checkboxes. The site facility code should also now show in the **Site Code** area. Press the **Save** button to complete the Registration.



5.4 Upgrading LiNC-NXG

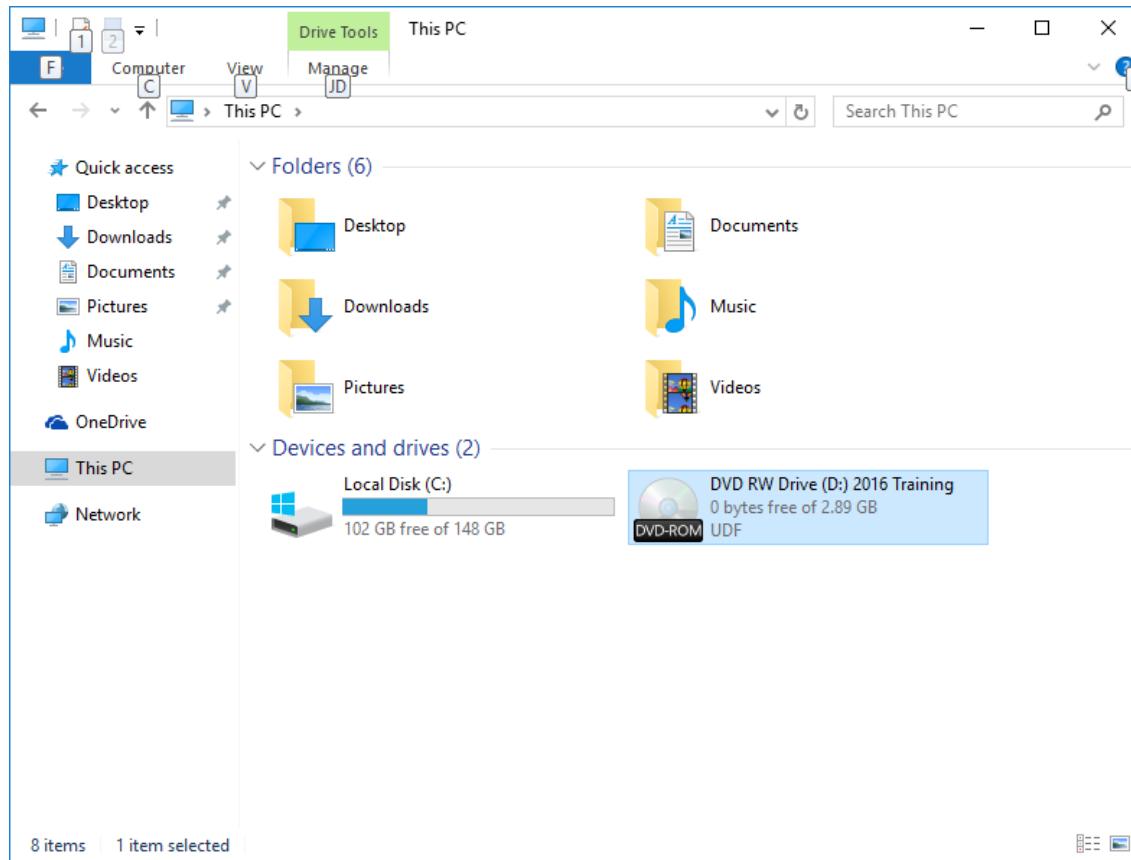
To upgrade to the most recent version of LiNC-NXG, it is not necessary to uninstall the current version of LiNC-NXG. Insert the new LiNC-NXG DVD and run the **Setup** procedure. Follow the steps in **Section 5.0** to install the new version.

For more information, see PCSC document 39-40034-001 *LiNC-NXG Software Upgrade Procedures*.

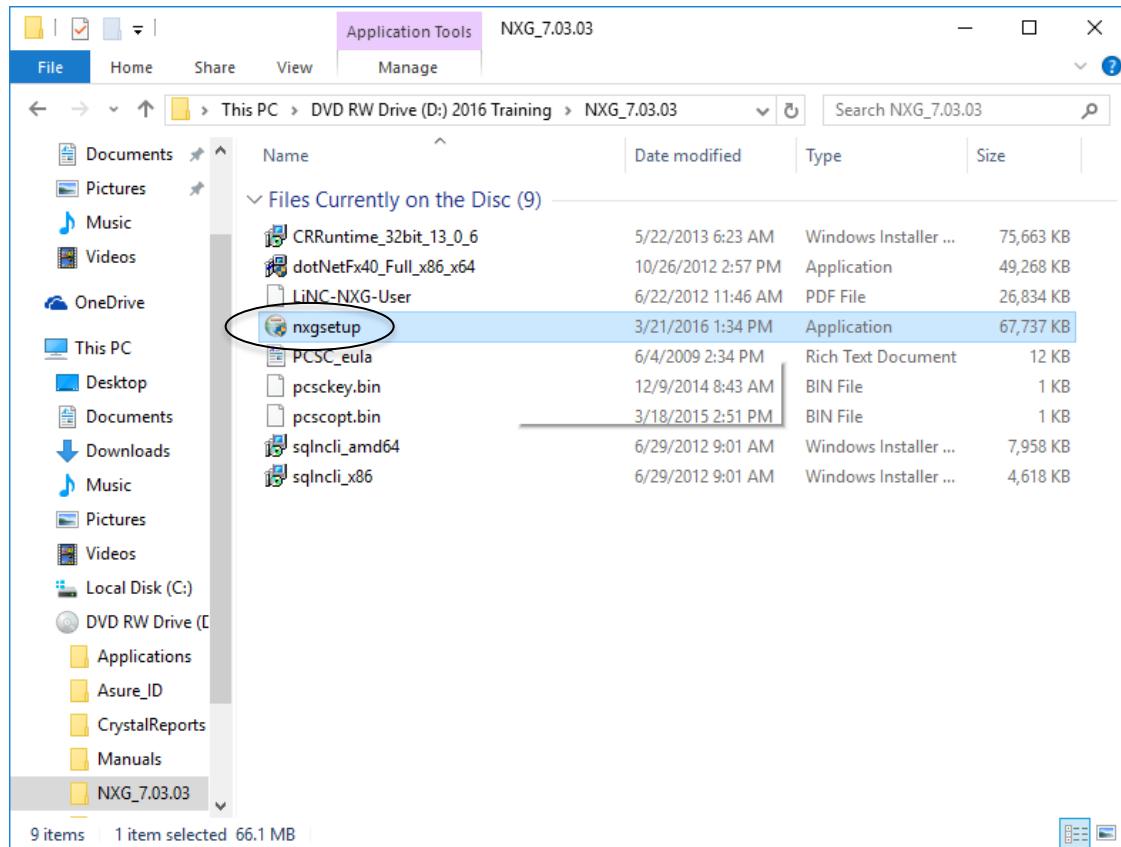
6.0 Installing LiNC-NXG Workstation

NOTE: A workstation will require the same hardware specifications as a standard installation. Please see the Hardware Specifications at Section 2.2 for more information.

1. Insert the **LiNC-NXG** DVD into the CD-ROM drive or download the appropriate files from the PCSC Server.
2. If using a DVD, LiNC-NXG will activate an AutoPlay of the LiNC-NXG Installer. If you choose, you can instead press the **Open folder to view files** icon.

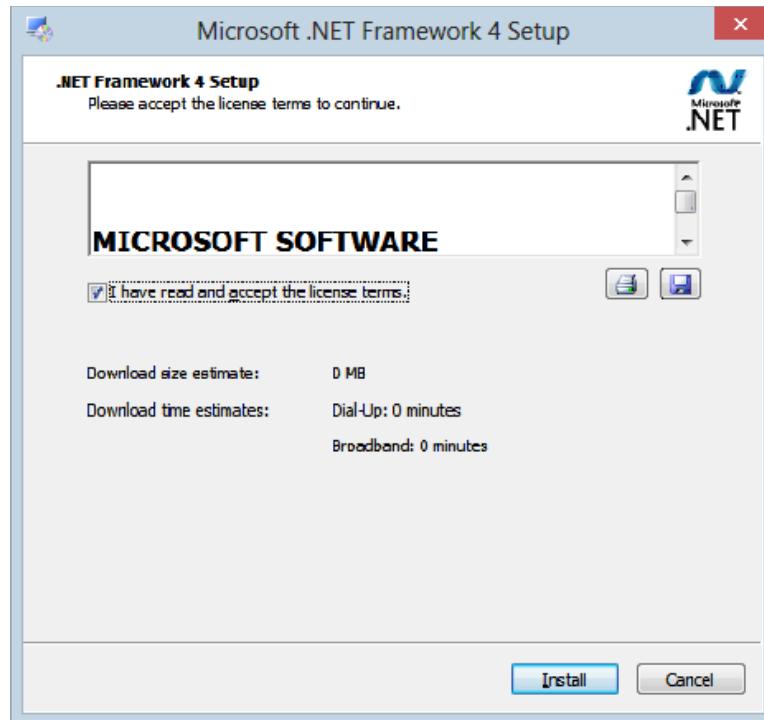


3. When you open the LiNC-NXG files, you will see multiple folders and files.

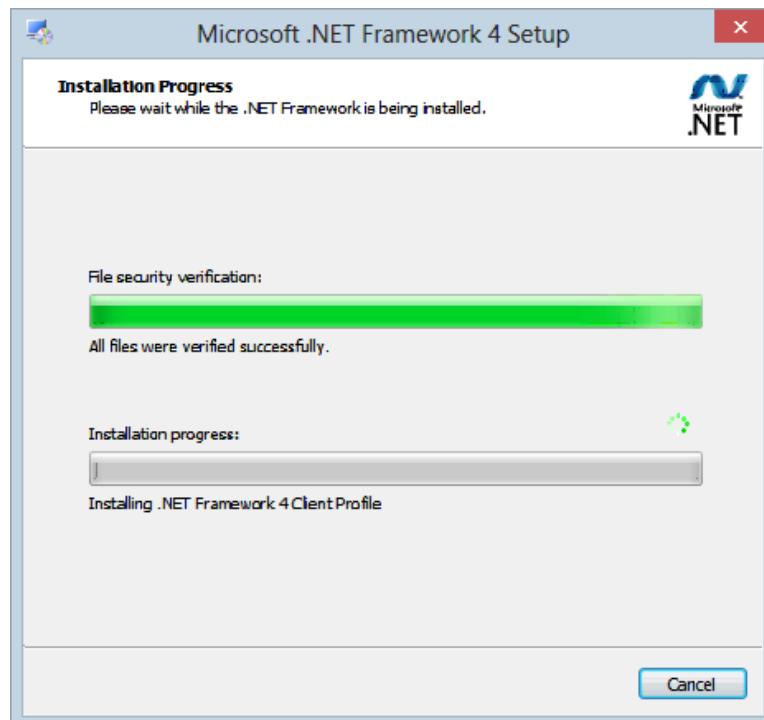


4. In the LiNC-NXG window, right-click the **NXG Setup** application and “Run as an Administrator”.

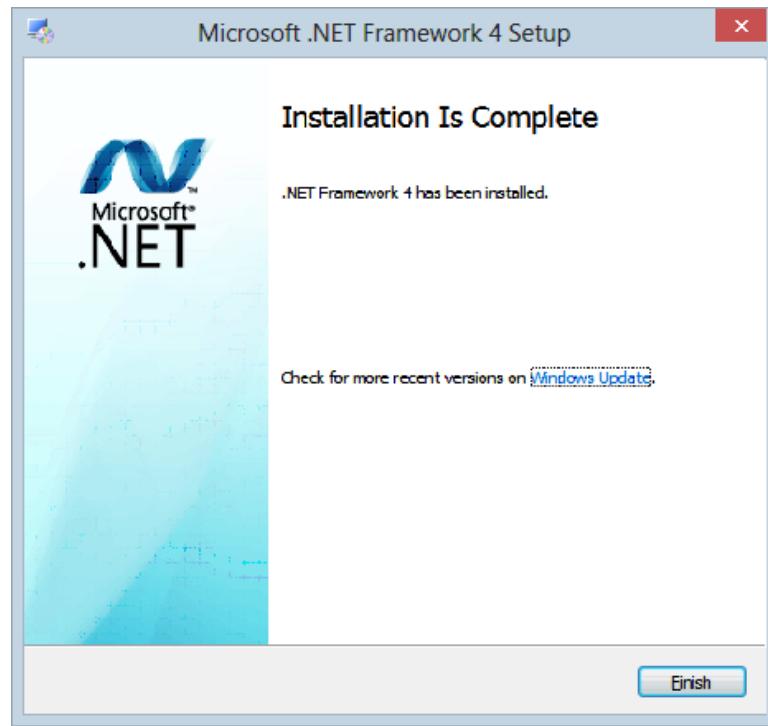
5. If the computer does not have Microsoft .NET Framework 4 installed, it will automatically start the installation with that software. Press the **Install** button to continue.



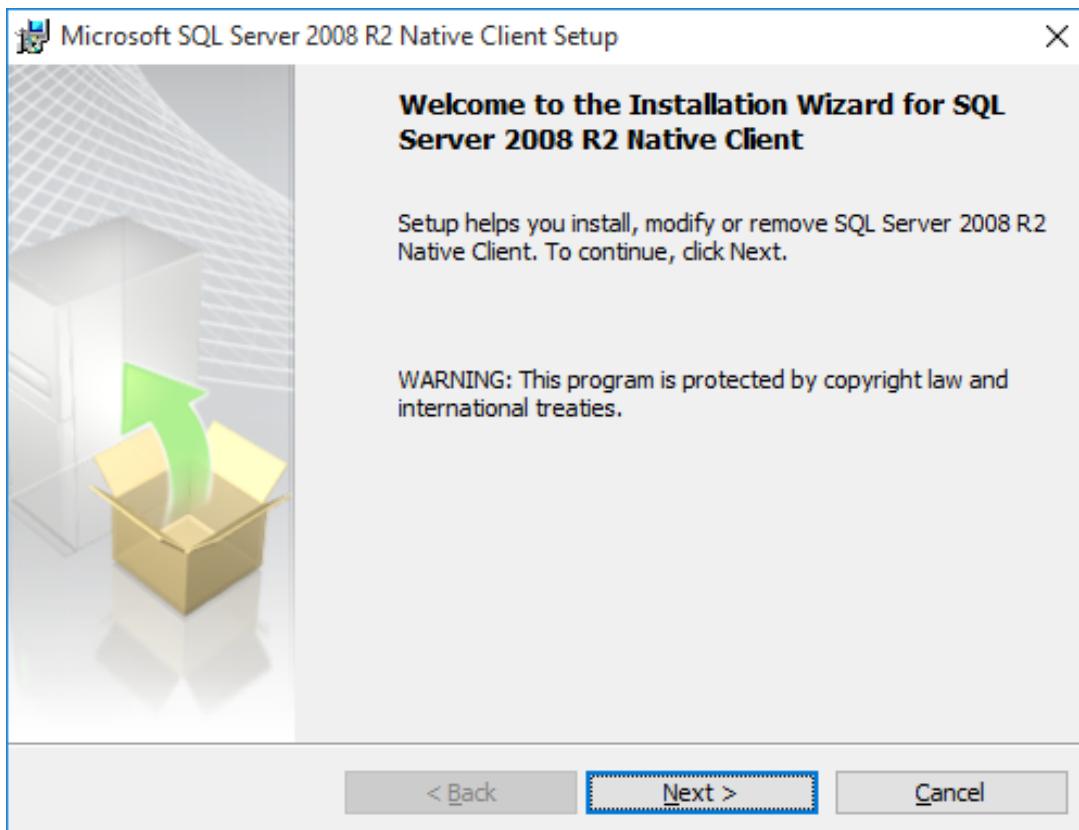
6. This will bring you to the **Microsoft .NET Framework 4 – Installation Progress** window.



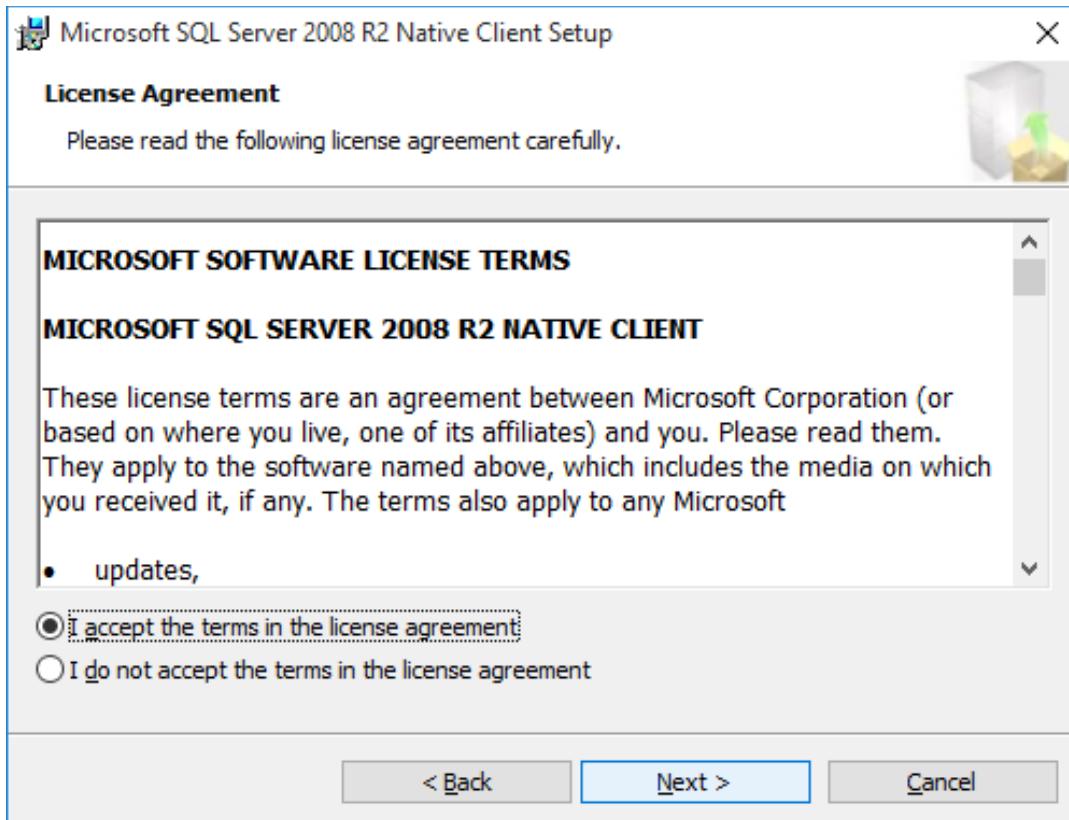
7. Once complete, the **Installation is Complete** window will appear. Press the Finish button.



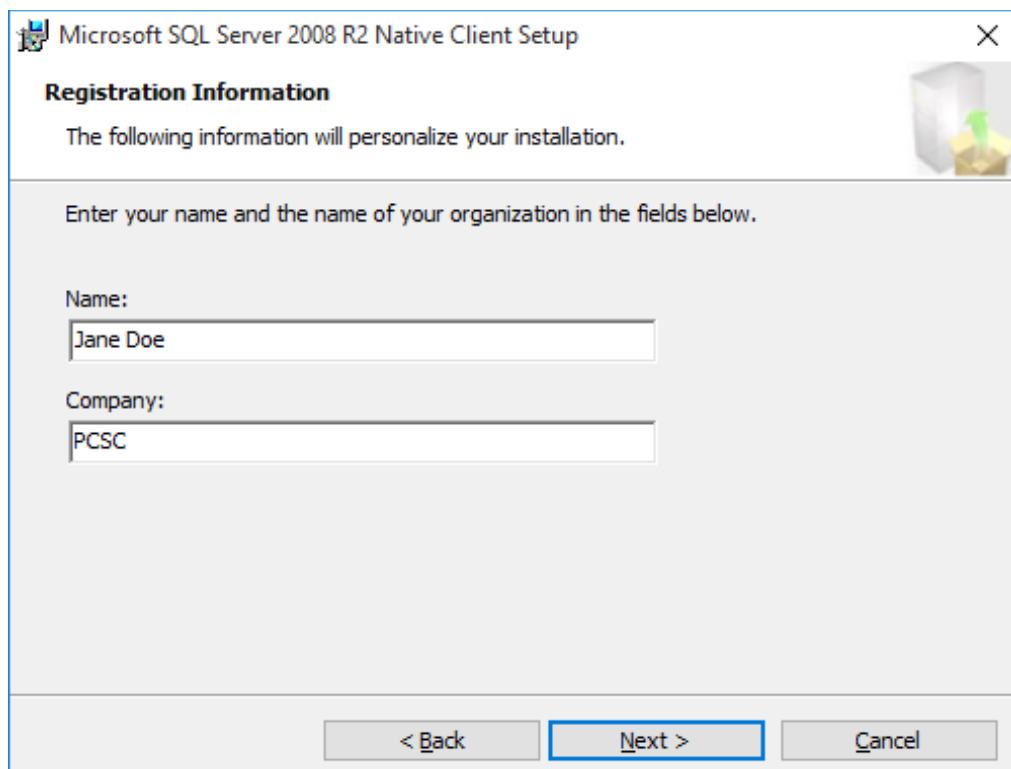
8. If the computer does not have Microsoft .SQL Server Native Client installed, it will automatically start the installation with that software. Press the **Next** button to continue.



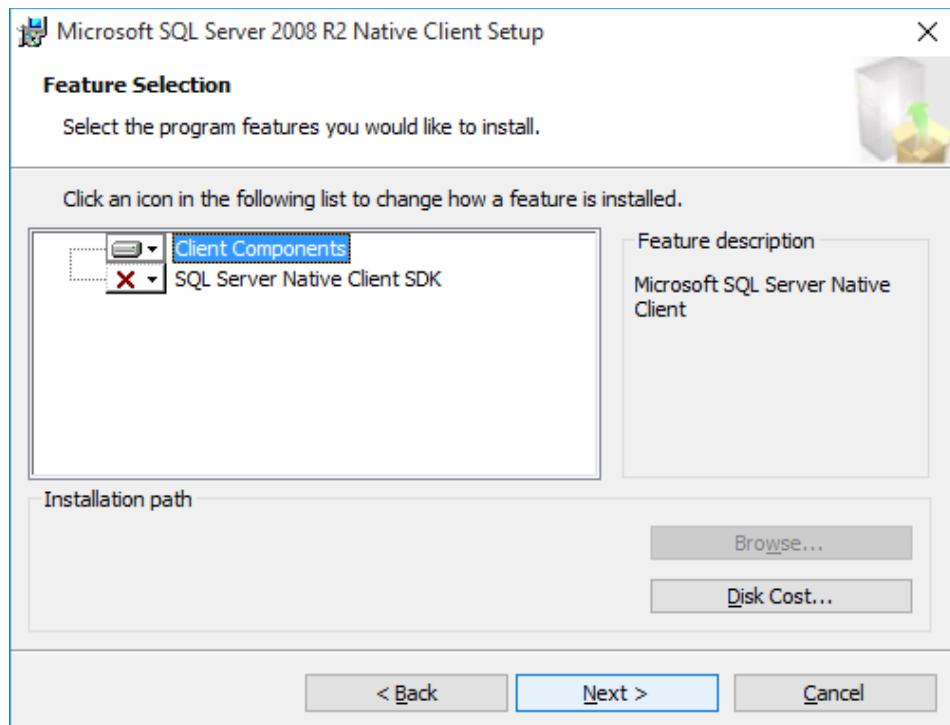
9. The License Agreement window loads. Select the “I accept the terms of the license agreement” radio button and click **Next** to continue.



10. You are asked for registration information. Type in the appropriate name and company and click **Next**.

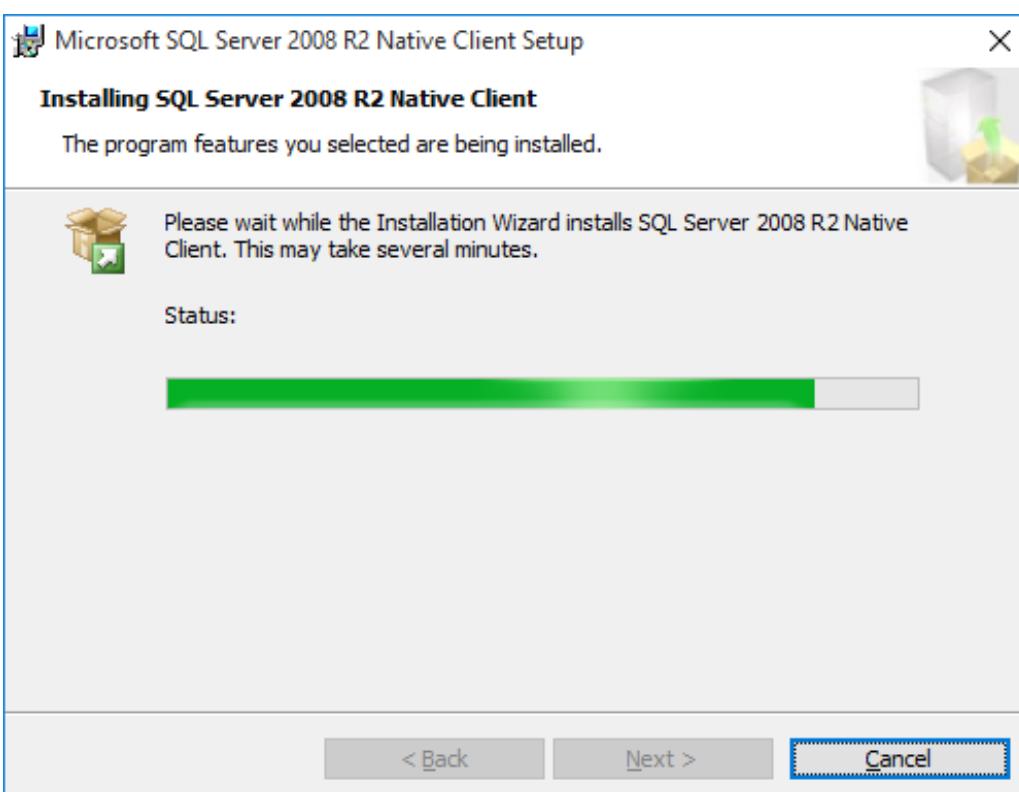
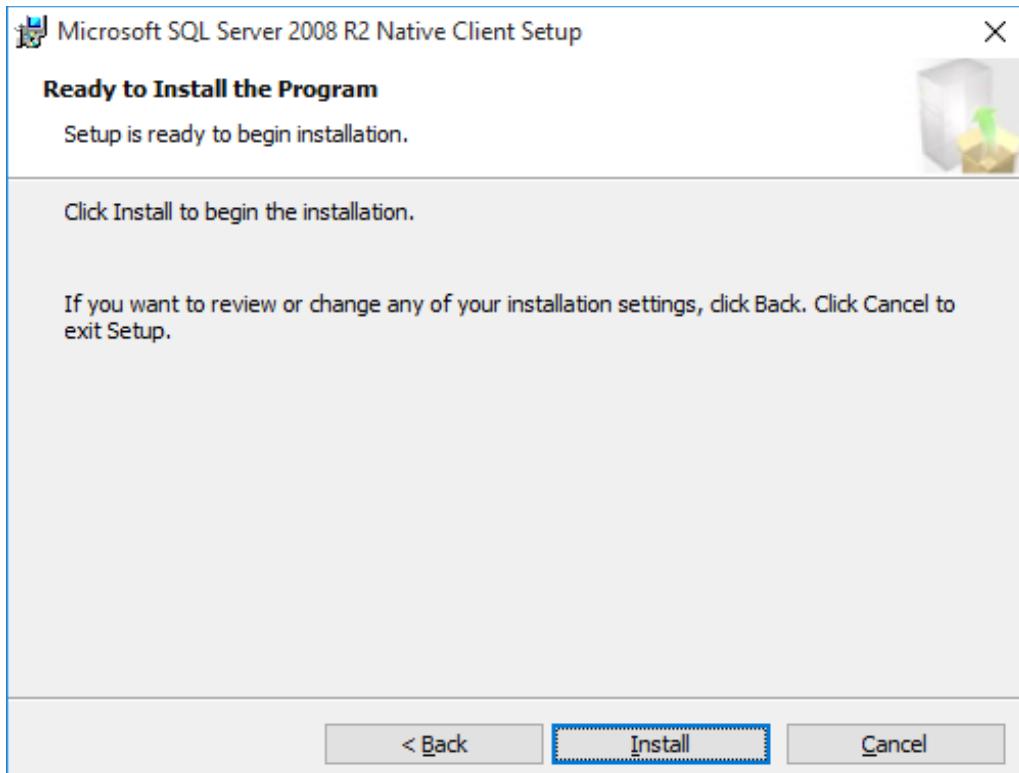


11. Select the feature sets you need. **Client Components** is required for LiNC-NXG installation.

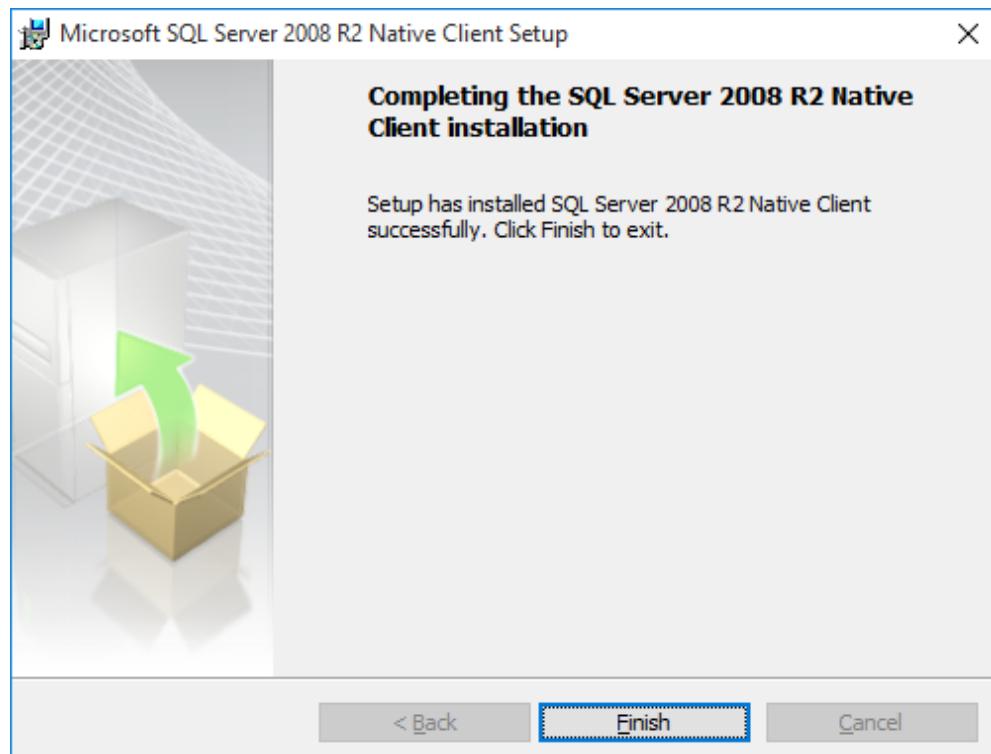


12. Right-click **Client Components** and select, "Will be installed on local hard drive." SQL Server Native Client SDK is optional and does not require installation. Click **Next**.

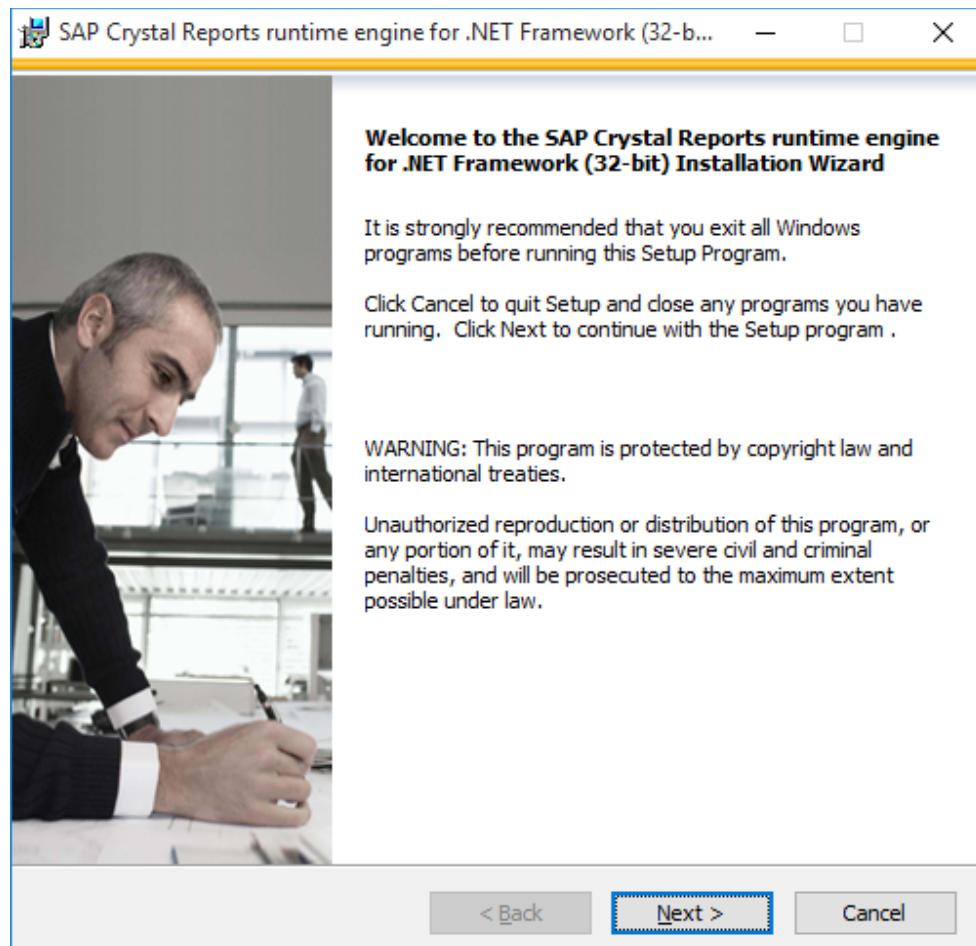
13. Click **Install** to begin the installation.



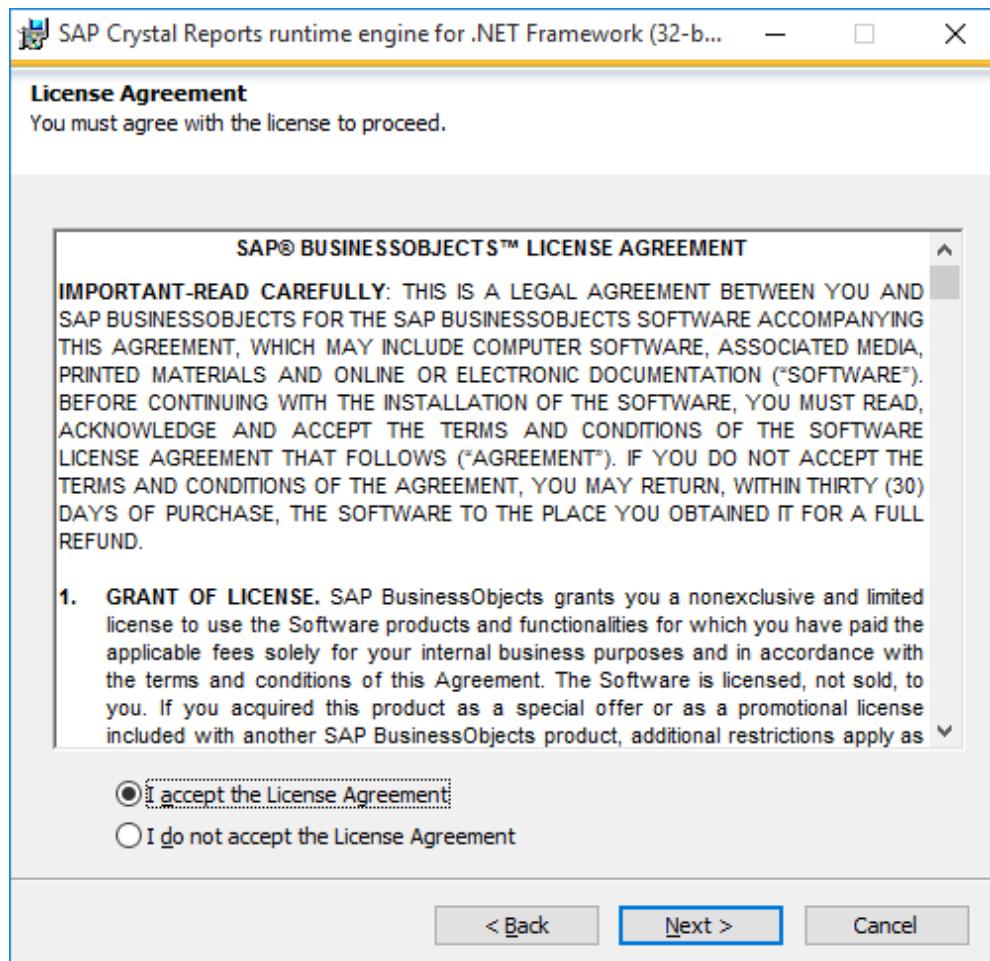
- When the installation is complete, click **Finish** to proceed to the next step in LiNC-NXG installation.



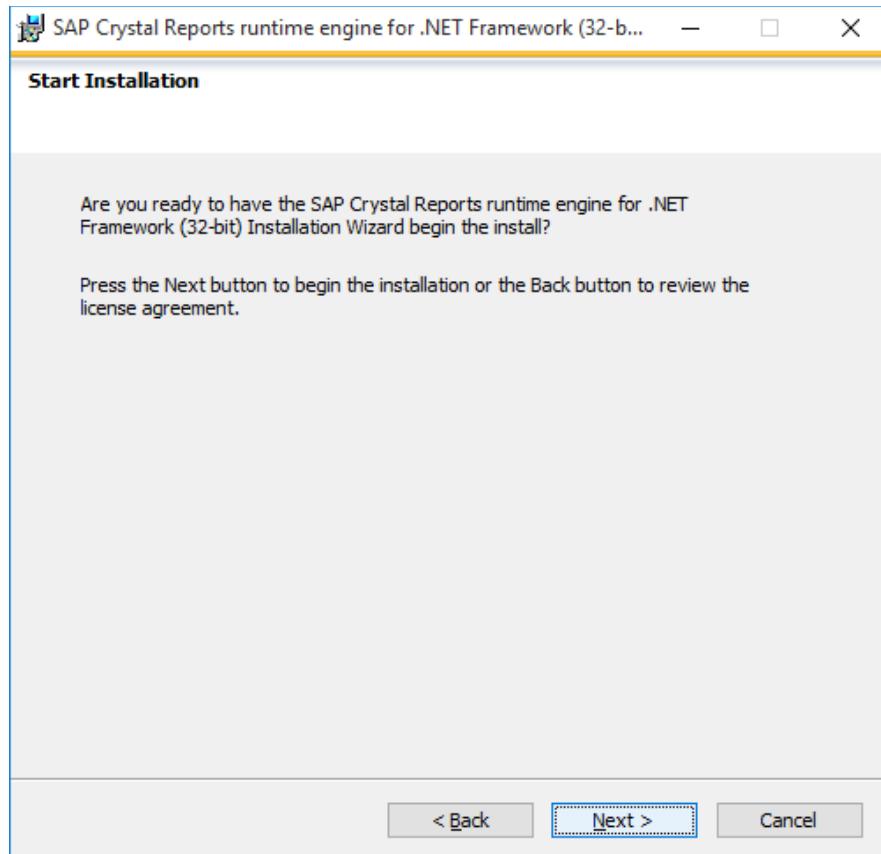
15. Once the .NET installation is complete, the system will install the latest version of SAP Crystal Reports. Press the **Next** button.



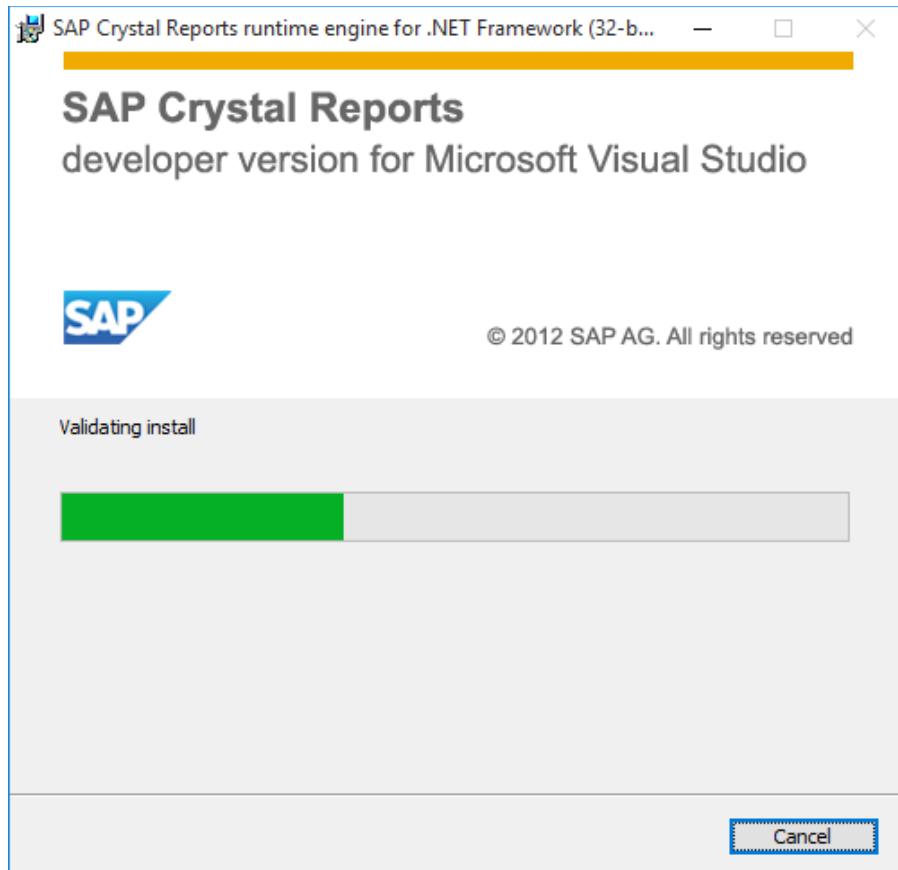
16. The SAP Crystal Reports – License Agreement will appear. Select the “I accept the License Agreement” radio button and press the **Next** button.



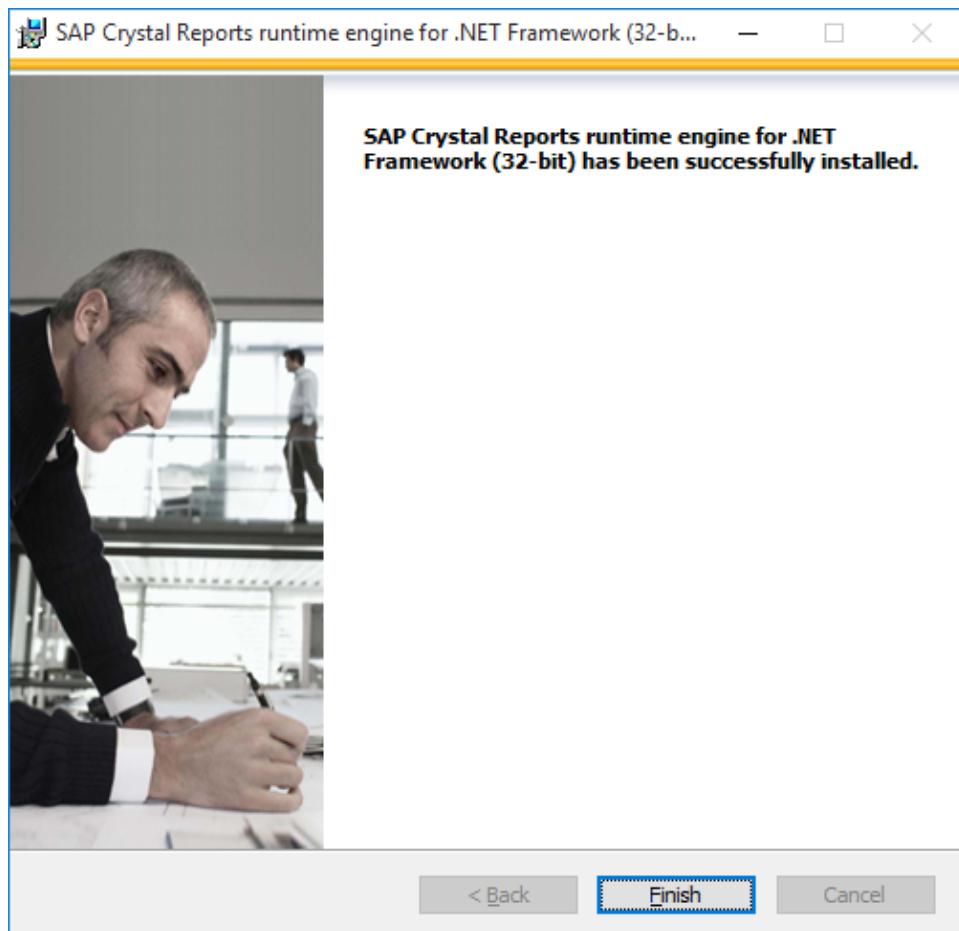
17. The SAP Crystal Reports – Start Installation window will appear. Press the **Next** button.



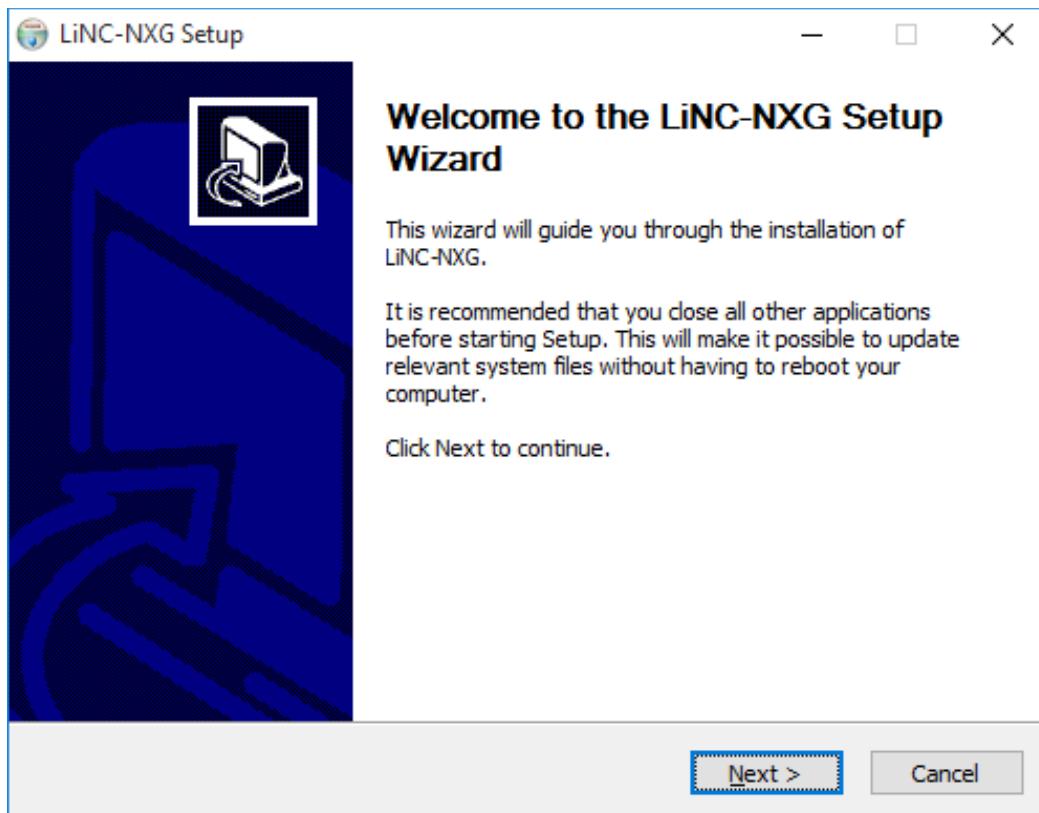
18. The installer will now install SAP Crystal Reports and all its components.



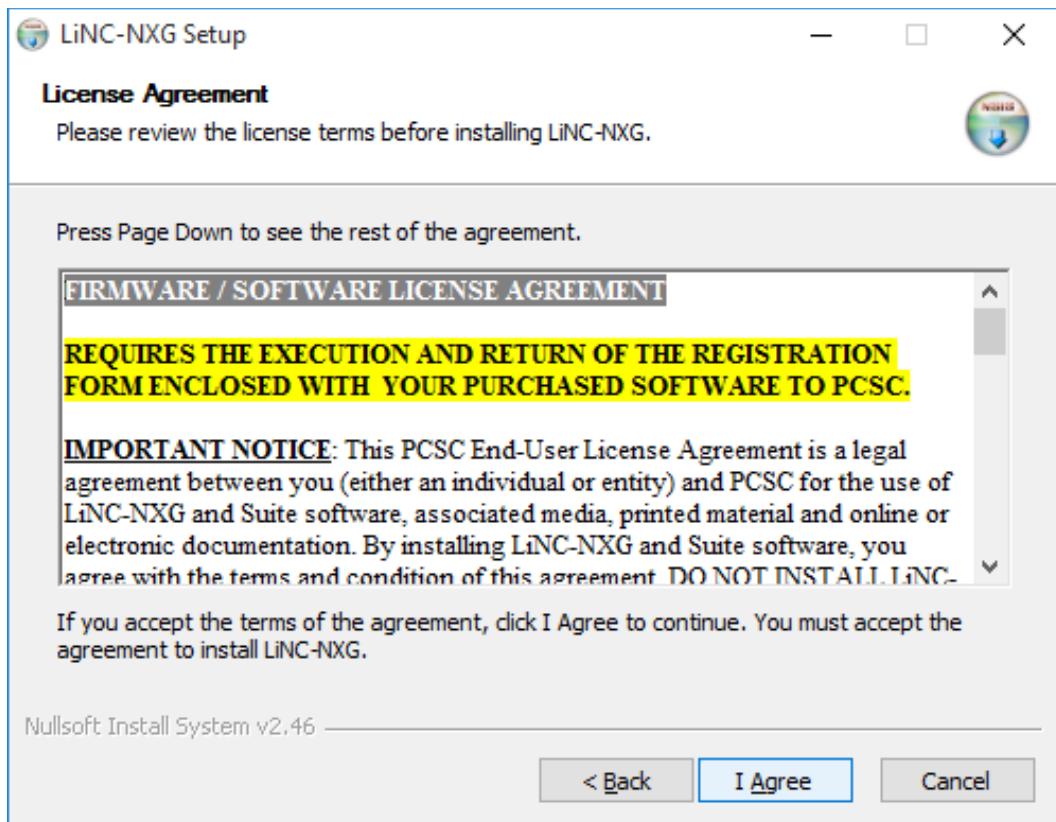
19. When SAP Crystal Reports installation is complete, click **Finish** to launch the LiNC-NXG Installation Wizard.



20. The LiNC-NXG Installation Wizard launches. Click **Next**.

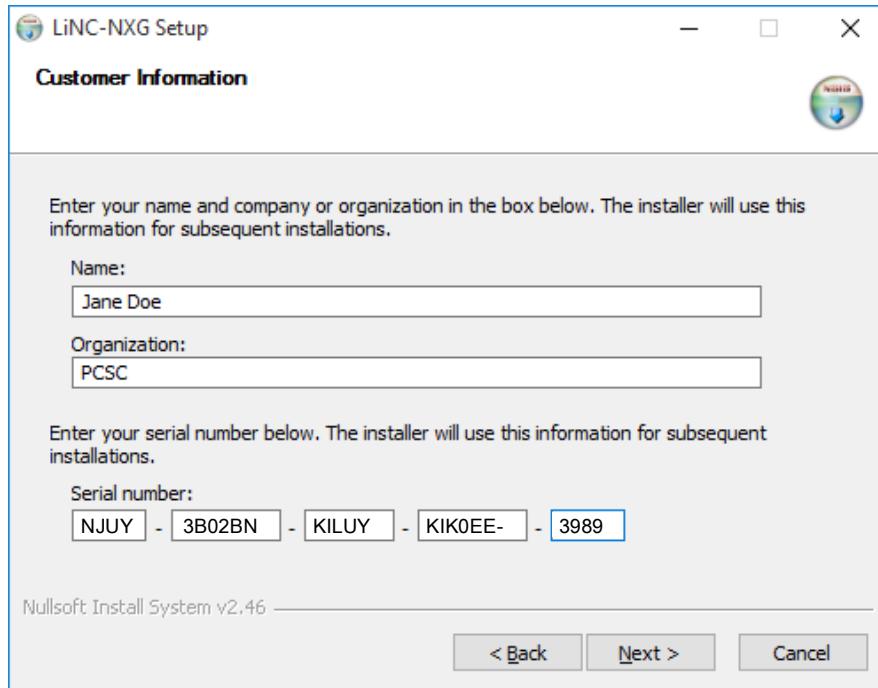


21. The LiNC-NXG License Agreement will appear. Press the **I Agree** button



22. The **Customer Information** window will load. Fill in the **Name** and **Organization** fields. Additionally, fill in the **Serial number** of the program that you received from PCSC or your PCSC-approved dealer.

NOTE: Please reference the LiNC-NXG software DVD for the serial number.

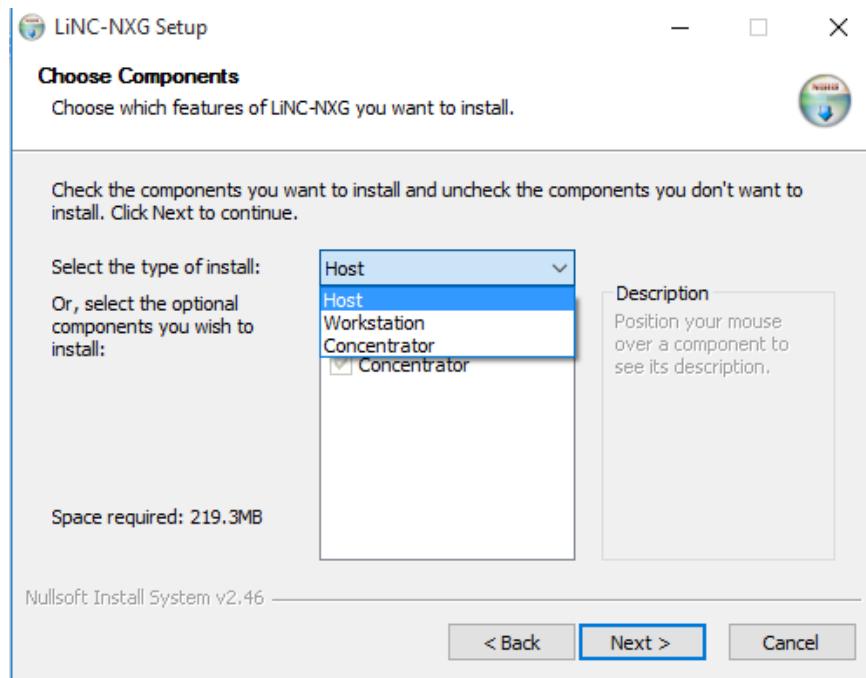


NOTE: PCSC provides a Temporary License number within the LiNC-NXG install disk. The Temporary License will register the PC and will allow LiNC-NXG to be operational for 30 days before the program reverts back to a 48hr. DEMO mode.

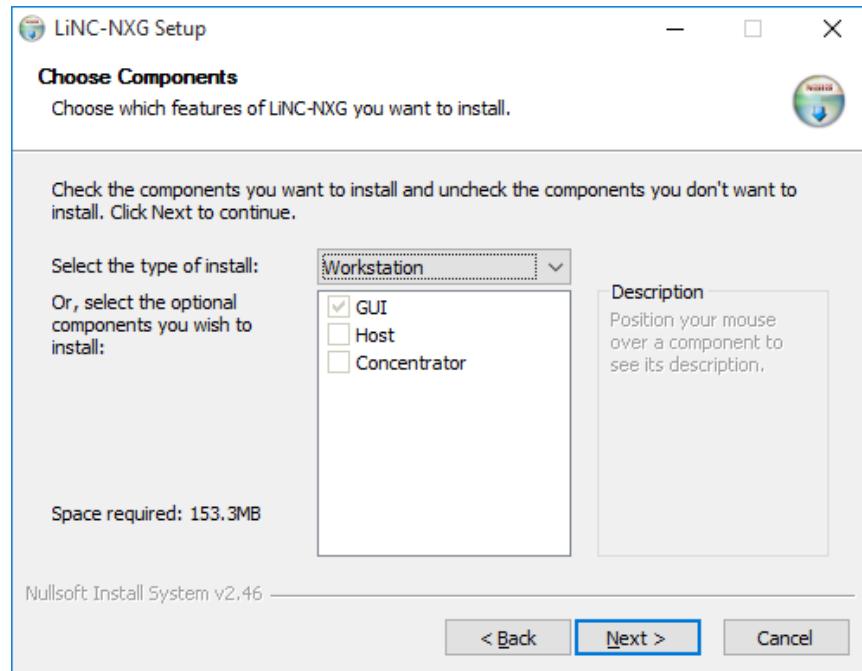
NOTE: If you do not have a serial number (or Temporary License number), entering all zeros (0) will allow you to use the system within a 48hr. DEMO mode.

23. Press the **Next** button to continue.

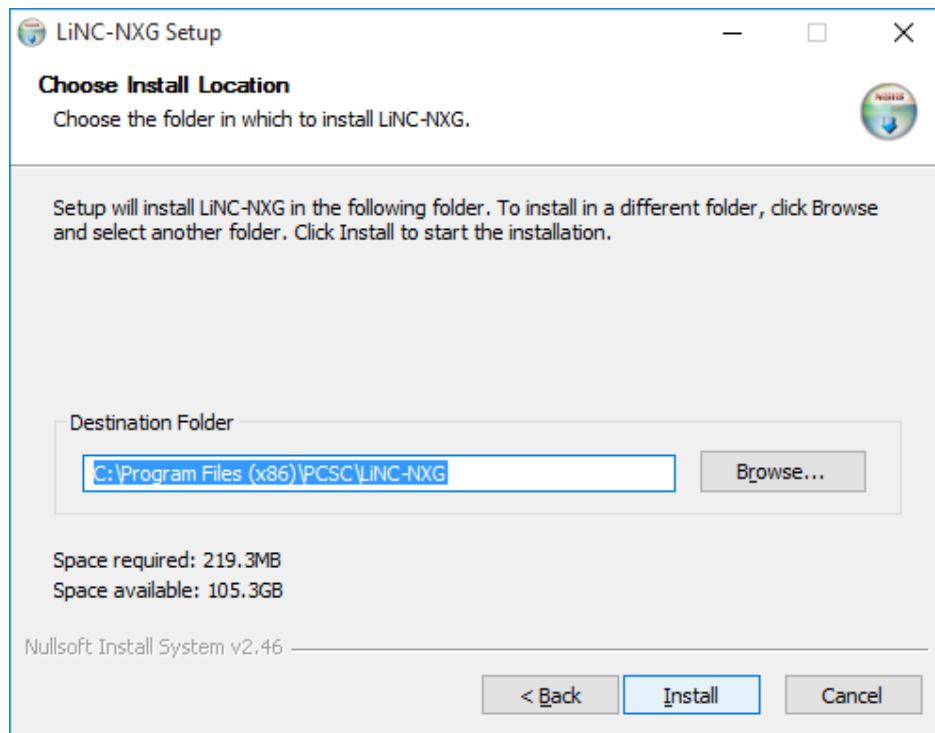
24. You will be asked to choose which components of LiNC-NXG you wish to have installed.
Select **Workstation** as the type of install (the other types of install are “Host” and “Concentrator”).



25. The Installation Wizard will automatically choose the necessary component (GUI) for the installation. Click **Next** to continue.

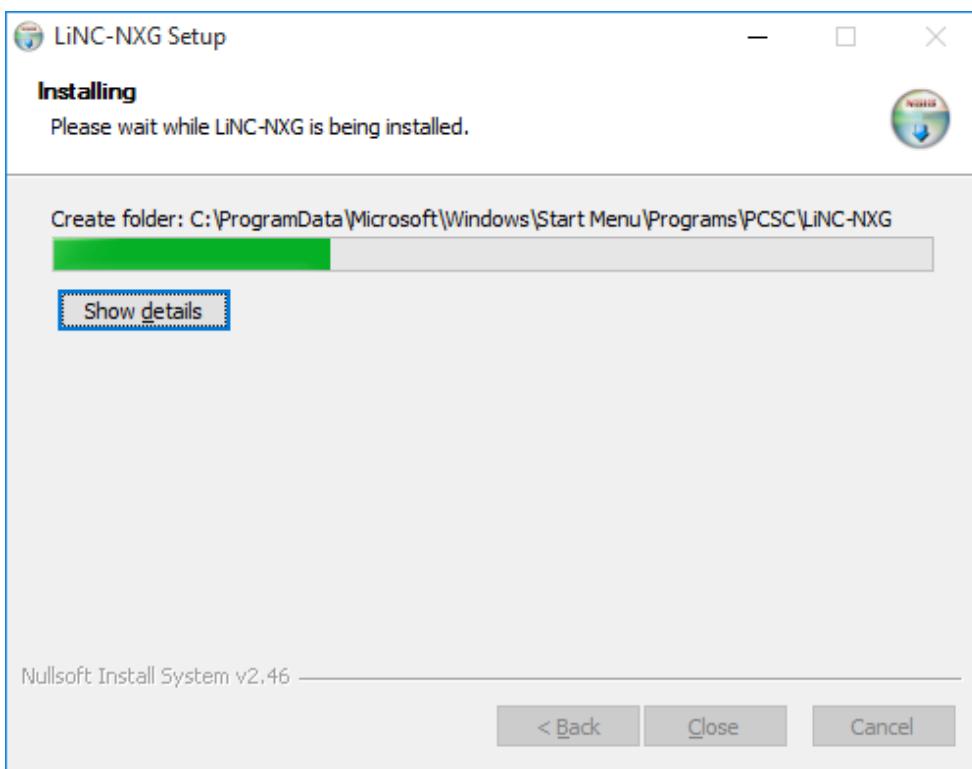


26. You will be brought to the **Choose Install Location** page. A default folder location on the local computer will be displayed. If a different location is desired, select the **Browse** button and navigate to the folder where LiNC-NXG is to be installed.



27. Press the **Install** button to continue.

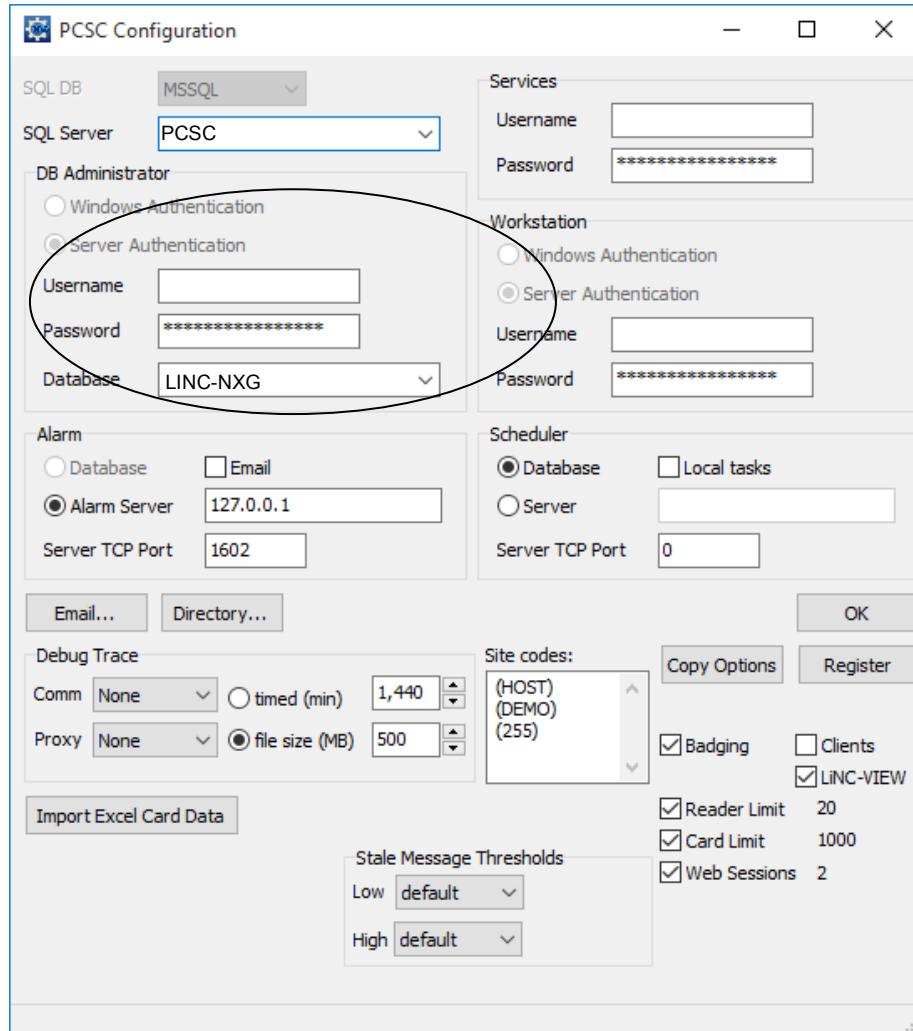
28. LiNC-NXG will install on your system.



29. During the installation, a second window will appear, confirming the location of the SQL database. Identify the SQL Server, the DB Administrator (DBO) authentication, and Services (DBRW) authentication to access the appropriate database.

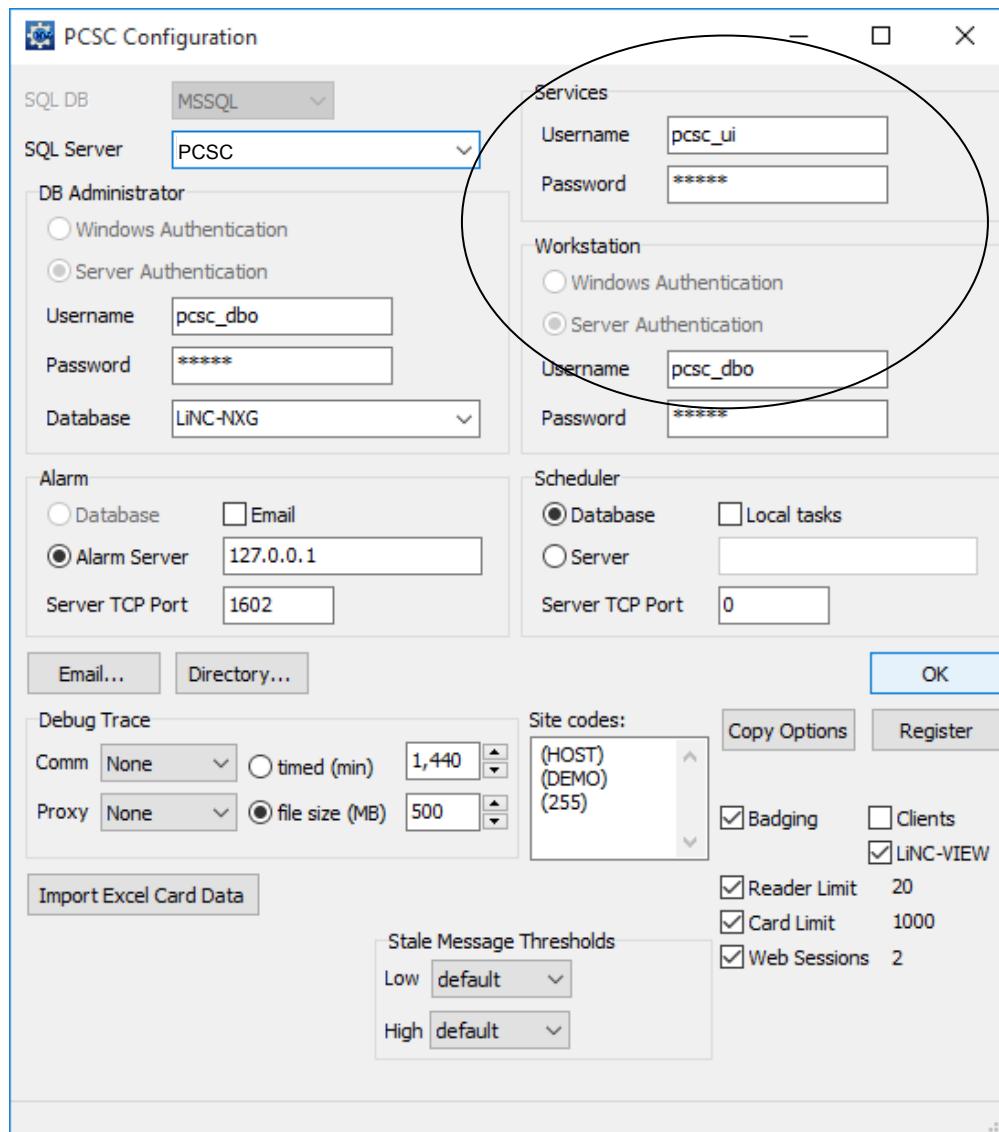
30. In the **DB Administrator** section, add your new **DBO login (pcsc_dbo)** and password for the **Username** and **Password**.

NOTE: You must input the **DBO login** and **password** to **DB Administrator** section of the **PCSC Configuration Utility** each time you update the database or upgrade LiNC-NXG.



NOTE: The SQL Server database may need to be identified by **[network location]\SQLEXPRESS** or **[network location]\SQL** in order to locate the proper **Database**.

31. In the **Services** and the **Workstation (UI)** sections, add the **DBRW login (pcsc_ui)** and password for the **Username** and **Password**.

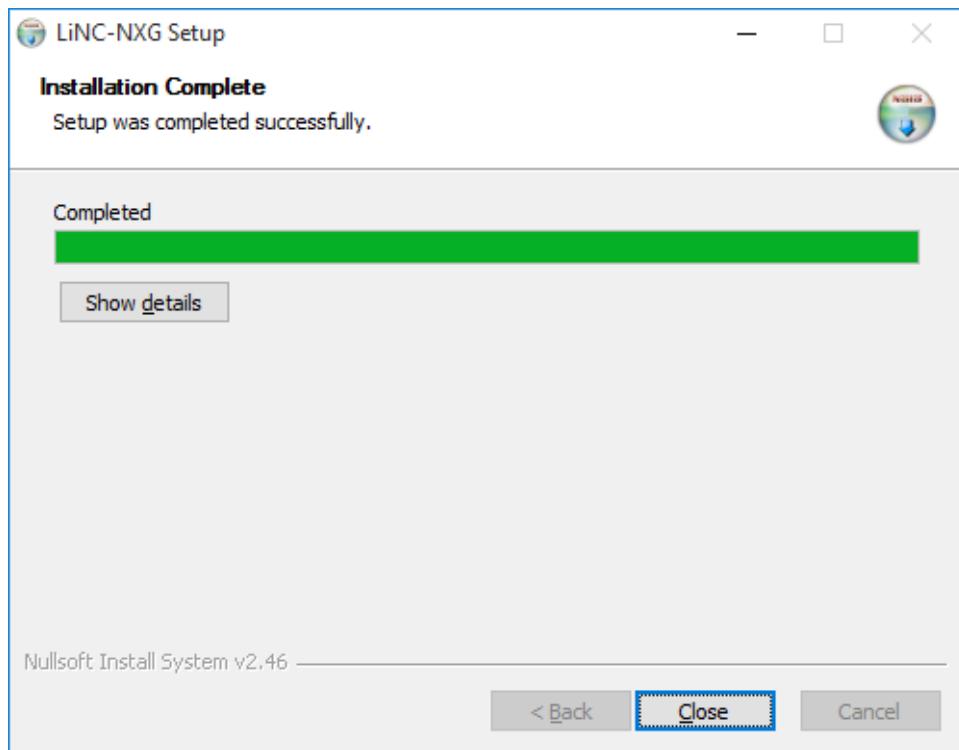


NOTE: Within the **Alarm** section, the **Alarm Server** will have the IP Address of the Host Computer. All Workstations should have the Host Computer IP Address also. Check with your IT Administrator for the correct settings.

NOTE: To learn about how to set up alarm notifications via email, see PCSC technical bulletin, **Setting up an Alarm Notification Email within LiNC-NXG** (P/N 39-40011-001)..

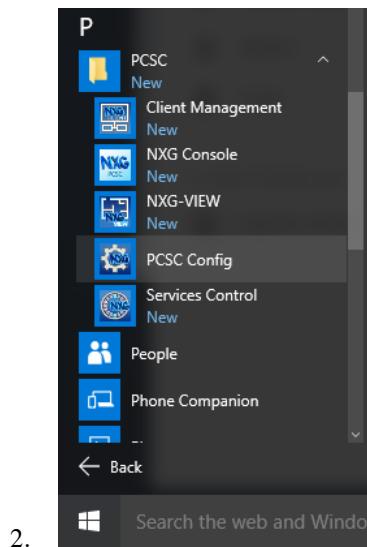
32. Press the **OK** button.

33. When the Installation is finished, the **Installation Complete** page will display. Press the **Close** button. You will be brought back to your Windows™ desktop.



6.1 Starting PCSC Configuration

1. Start **PCSC Configuration** accessing the Windows **Start** menu at:
Start/ All Programs/ PCSCPCSC Config/



2.

NOTE: The Path may look different than the one shown.

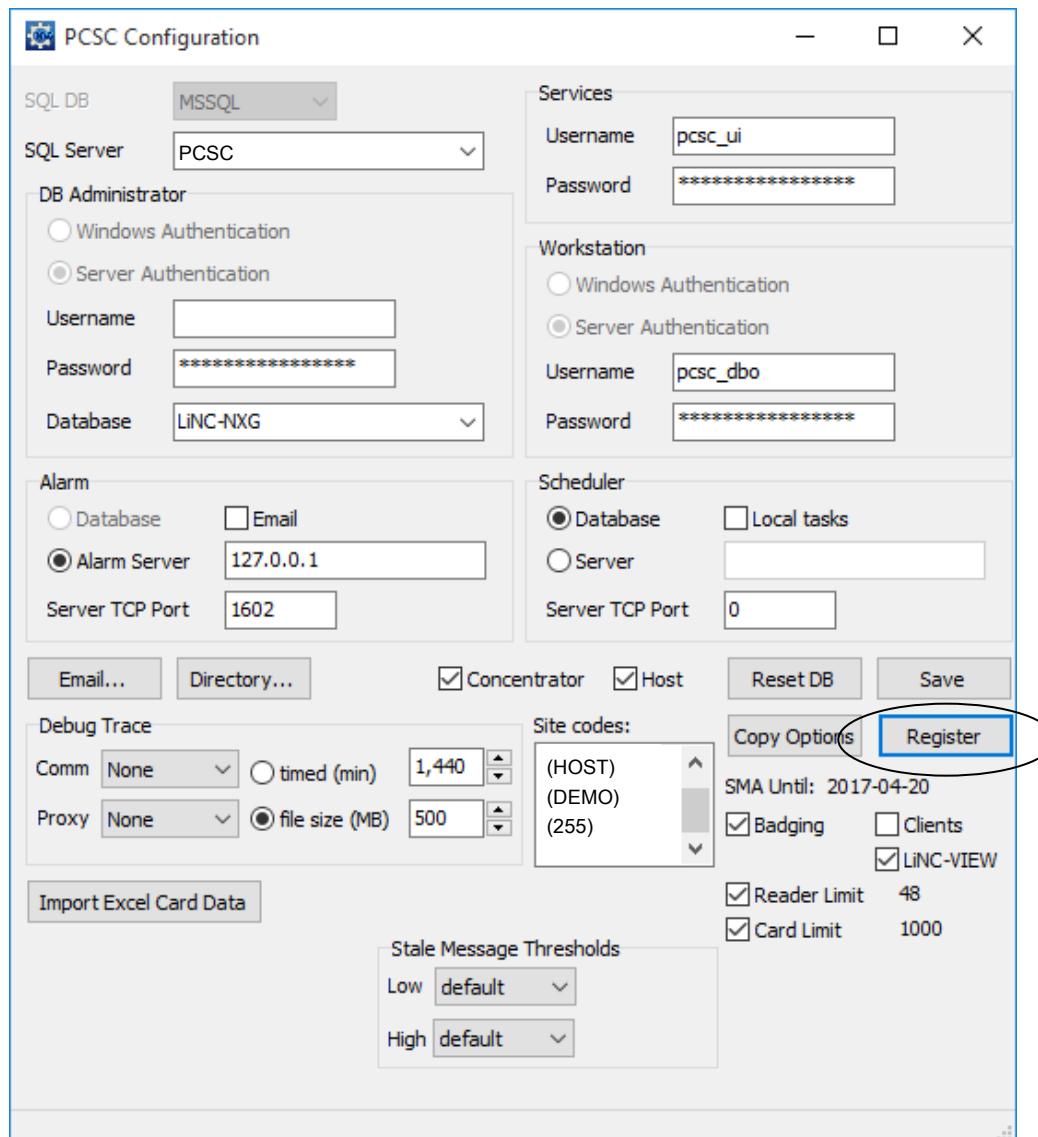
6.2 Registering the LiNC-NXG Software

Each copy of LiNC-NXG needs to be registered with PCSC prior to its proper use with the system.

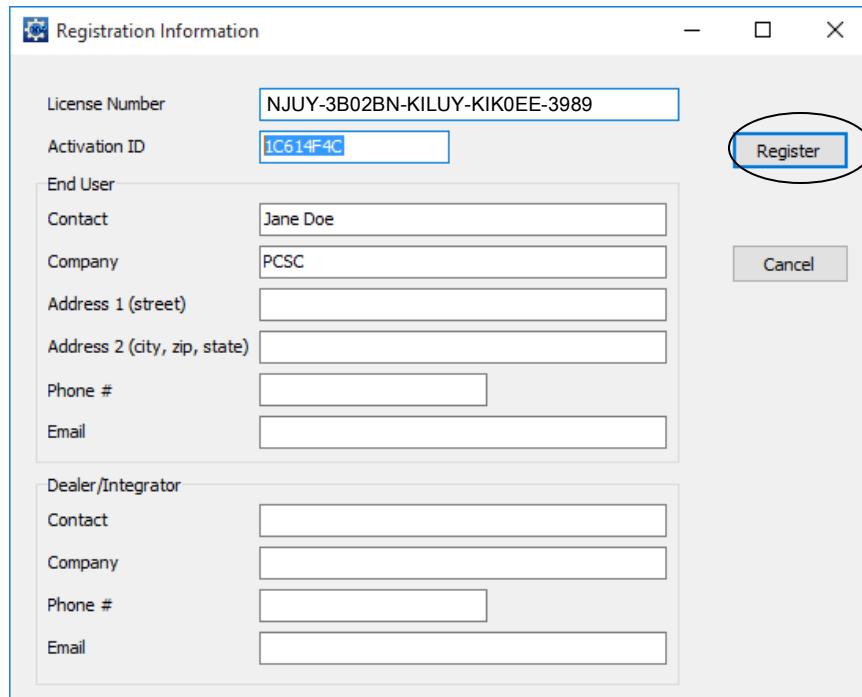
6.2.1 Registering via the Internet.

NOTE: An Internet connection is required to complete the Registration process. Should an Internet connection not be available, please see Section 6.2.2.

1. Open the PCSC Configuration window.
2. In the lower right hand corner press on the **Register** button.

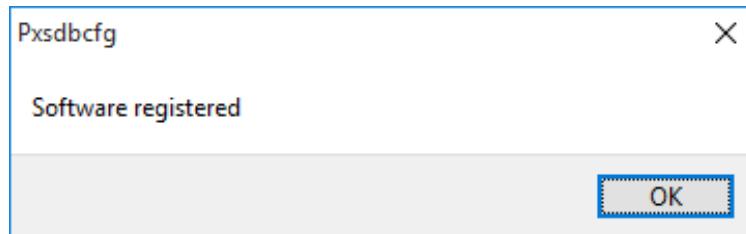


3. The **Registration Information** window will appear. Fill in each text box within the window.



4. Press the **Register** button. A connection to the PCSC registration server will commence.

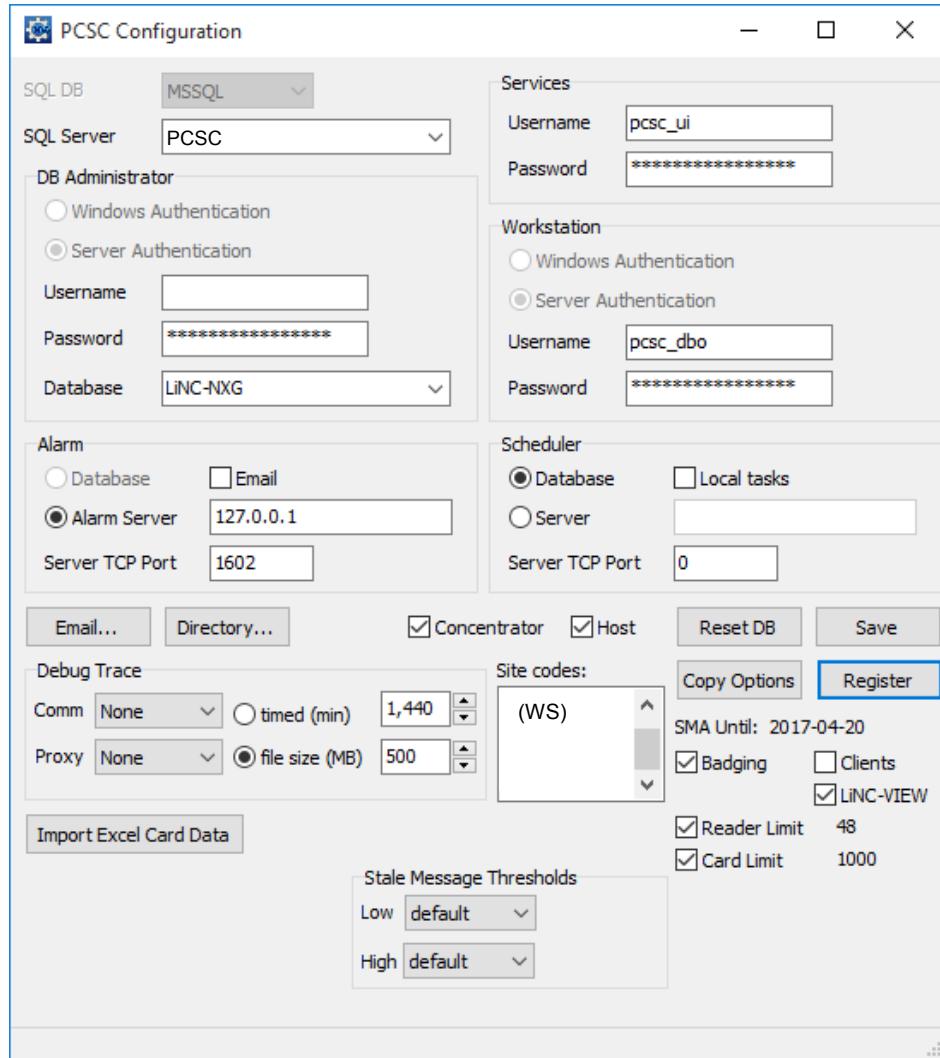
5. The **Registration Information** window will confirm a valid registration.



NOTE: Please see section 6.2.2 if no Internet connection is available.

NOTE: The network configuration may “block” the port (socket port error) that is necessary to register over the Internet.

6. The updated PCSC Configuration screen will appear with a "WS" in the "site codes:" text box.



7. Press the **Save** button to complete the registration.

6.2.2 Registering NXG without an Internet Connection.

If an Internet connection is not available; the NXG software can be registered in the following way:

1. Fill in the Registration form completely.
2. Take a screen shot of the completed Registration form and save in a word processor program such as Microsoft Word or WordPad.
3. Transfer the save Registration form to a computer with Internet access.
4. Email the form to: techsupportdl@1pcsc.com for registering.
5. PCSC Technical Support will process the registration request and send a return email when the registration is complete.

NOTE: Each installation of LiNC-NXG will require registration. Send a screen shot for each computer on which LiNC-NXG is installed.

The dialog box is titled "Registration Information". It contains two main sections: "End User" and "Dealer/Integrator".
In the "End User" section, the "License Number" field is filled with "NJUY-3B02BN-KILUY-KIK0EE-3989" and the "Activation ID" field is filled with "IC614F4C".
The "End User" section also includes fields for "Contact" (Jane Doe), "Company" (PCSC), "Address 1 (street)", "Address 2 (city, zip, state)", "Phone #", and "Email".
The "Dealer/Integrator" section includes fields for "Contact", "Company", "Phone #", and "Email".
On the right side of the dialog box are "Register" and "Cancel" buttons.

NOTE: Once the registration files have been received from PCSC, proceed to Section 6.3 to complete the registration process.

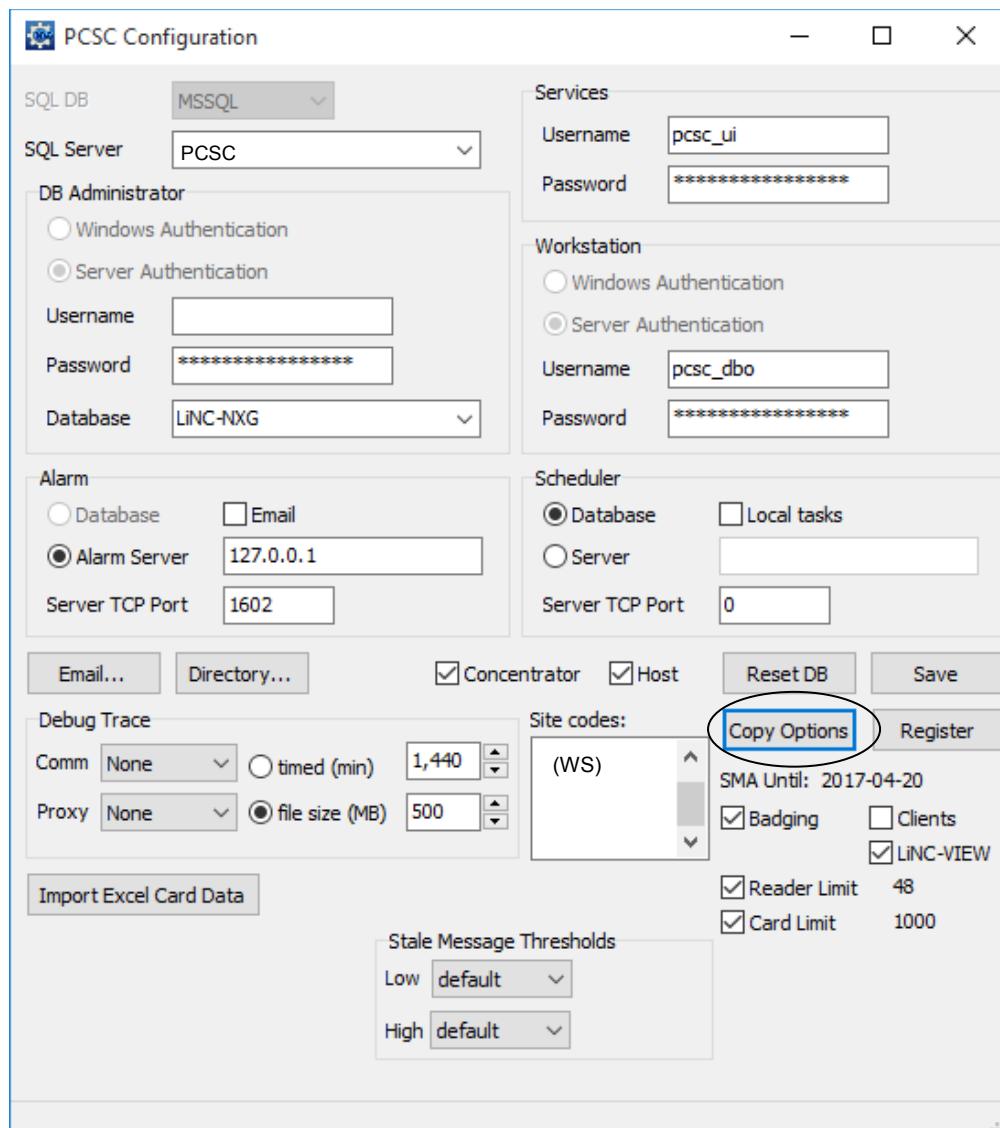
6.3 Finalizing the Install with Copy Options

Each copy of LiNC-NXG will have options for additional items such as badging, clients, photo trace, and LiNC-VIEW which will not be active during a normal installation.

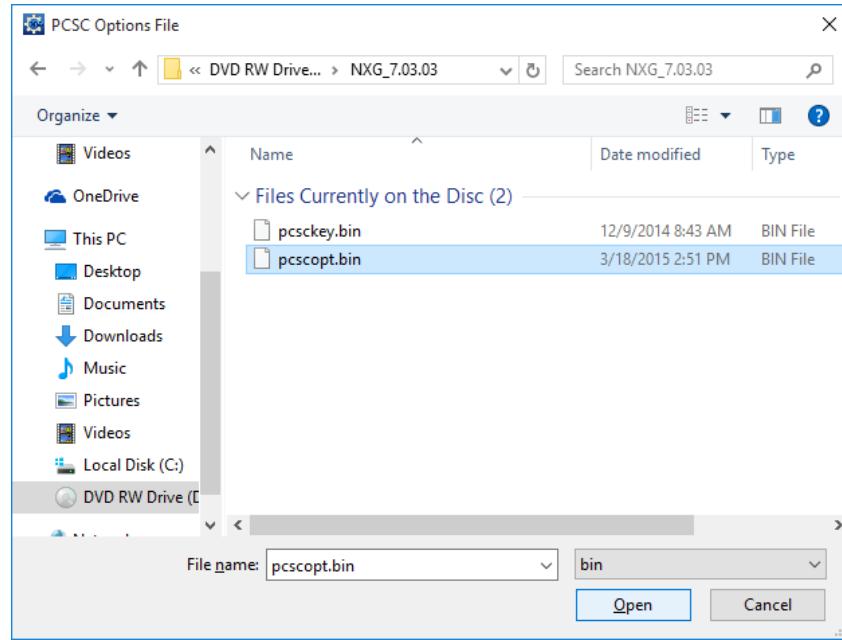
Once the standard installation is complete, any additional options can be activated from a client's unique **pcscpt.bin** file. To do so, the client pcscpt.bin and pcsckey is required to be copied to the local PC.

Procedure:

1. The **pcscpt.bin** file will be provided either on a flash drive, CD, within an email to the administrator or during the software registration process.
2. Once the pcscpt.bin file has been identified, open the **PCSC Configuration** window.
3. Press the **Copy Options** button.

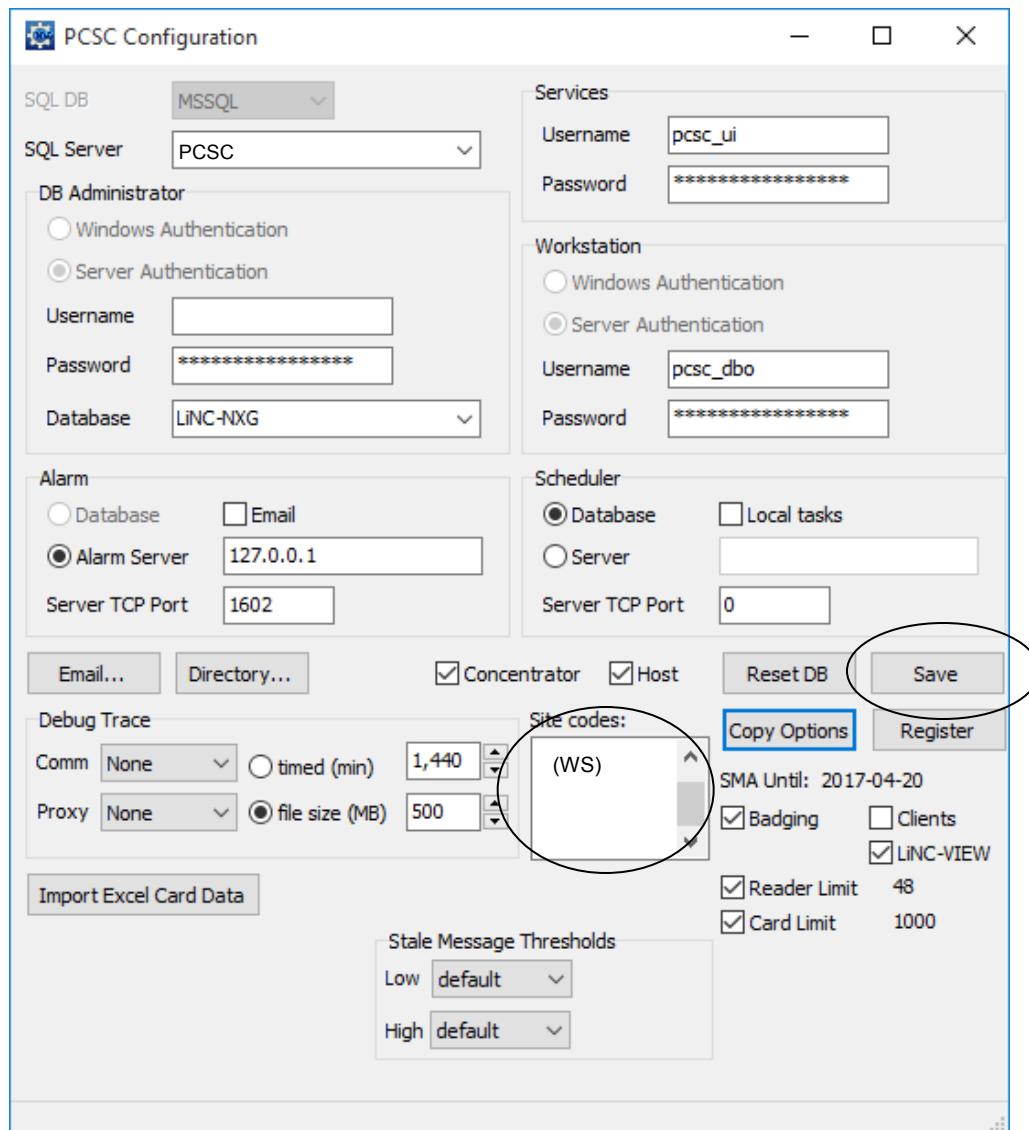


4. The **PCSC Options File** window will appear. Browse to locate the **pcscpt.bin** file.



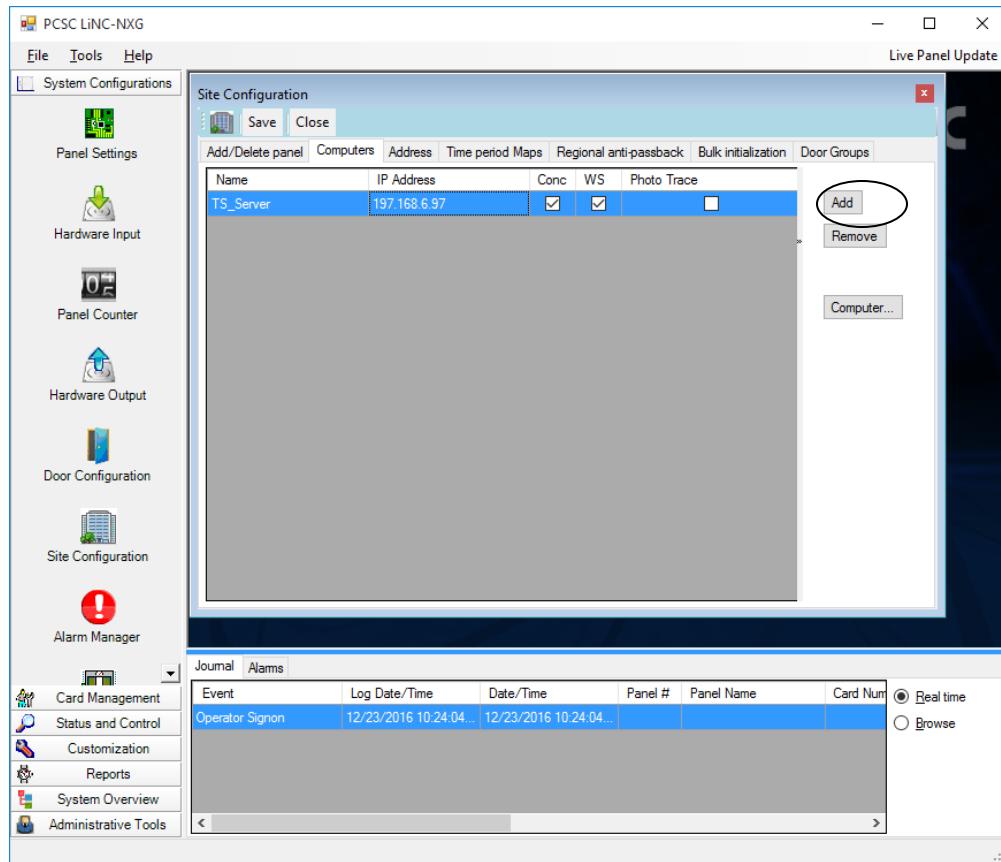
5. Select the file.
6. Press the **Open** button.

7. The PCSC Options file window will automatically close. The additional purchased features of LiNC-NXG will appear with checks in the checkboxes. The site code should still show (WS) in the **Site Code** area. Press the **Save** button to complete the Registration.



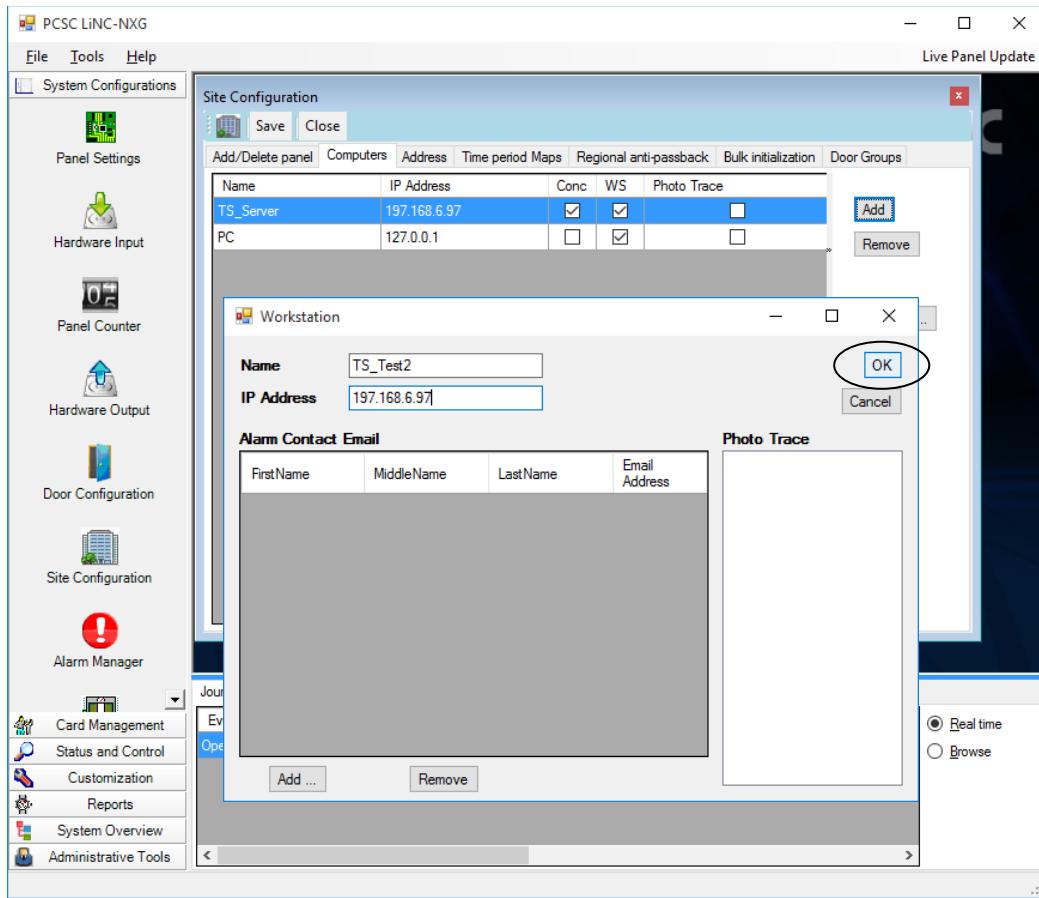
6.4 Updating the LiNC-NXG for a New Workstation

1. On the Host computer, Start LiNC-NXG.
2. Select the **System Configuration** menu.
3. Select **Site Configuration** icon. The **Site Manager** window will appear.
4. Select the **Computers** tab.
5. Press the **Add** button.



6. A second computer will be added to the list.

- Double-click on the new computer (it will appear as a PC) in the list.



- The **Workstation** window will appear. Within the window, enter the exact name of the workstation computer in the **Name** text box.
- Enter the IP address of the workstation computer in the **IP Address** window.
- Press the **OK** button to close the window.

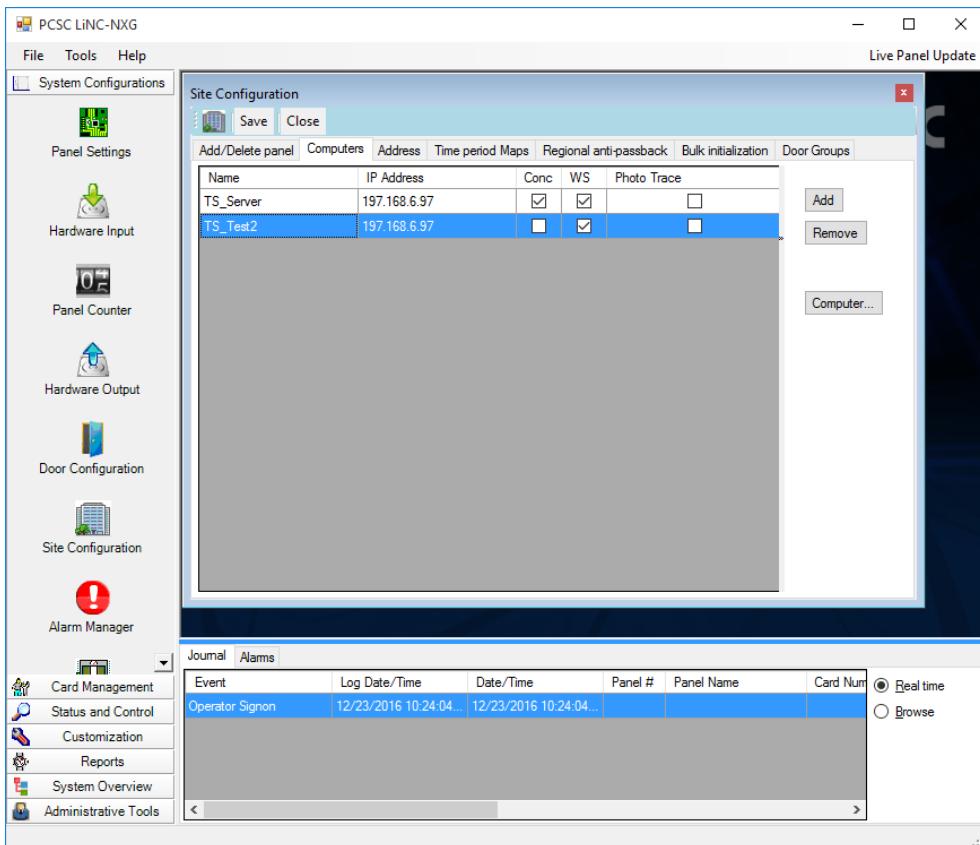
11. The workstation with its correct computer name and IP address will appear in the computer list.

NOTE: Please note the newly added computer will only show if the 'WS' checkbox selected.

12. Press the **Save** button to save the settings.
13. Press the **Close** button to close the window.

The LiNC-NXG workstation is now ready.

14. Start LiNC-NXG on the workstation and verify proper operation.



7.0 Importing a Database

Currently all existing database transfers from LiNC-NET to LiNC-NXG are imported for clients by PCSC or authorized personnel.

If you have any questions regarding database importing, please call PCSC Engineering at (310) 303-3600.

**End of Manual
January 2017**