

[Tech Note 900](#)

Installing QI Analyst

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Topic#: 002707

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Introduction

This *Tech Note* explains installing QI Analyst 8.0.

The topics discussed in this tech note are:

- [Installation Guidelines](#)
- [Configuring the QI Admin Database](#)
- [QI Analyst Installation Error](#)

Application Versions

- QI Analyst 8.0 SP2
- Windows 2008 R2 SP1

Refer to the QI Analyst 8.0 ReadMe file for specific software and Hardware requirements.

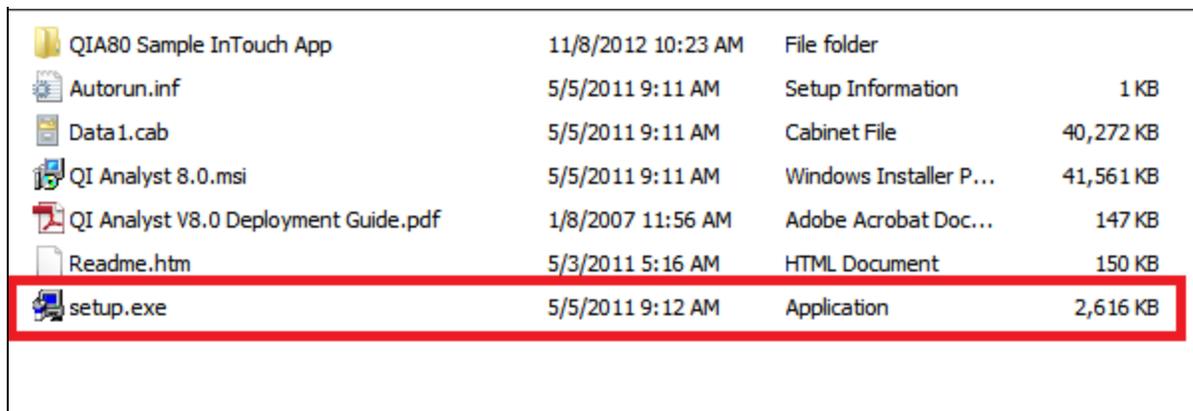
Installation Guidelines

QI analyst 8.0 provides a single installation process that includes **QI Controller** and **QI Workstation**. After installation, you have access to QI Controller and/or QIWorkstation based on the license available and registered in QIAdmin database.

Once you start the instalation, make sure not to end it prematurely. This will result in an incomplete installation and contribute to an error during next installation. For more details, see the [QI Analyst Installation Error](#) section.

To start the QI Analyst installation

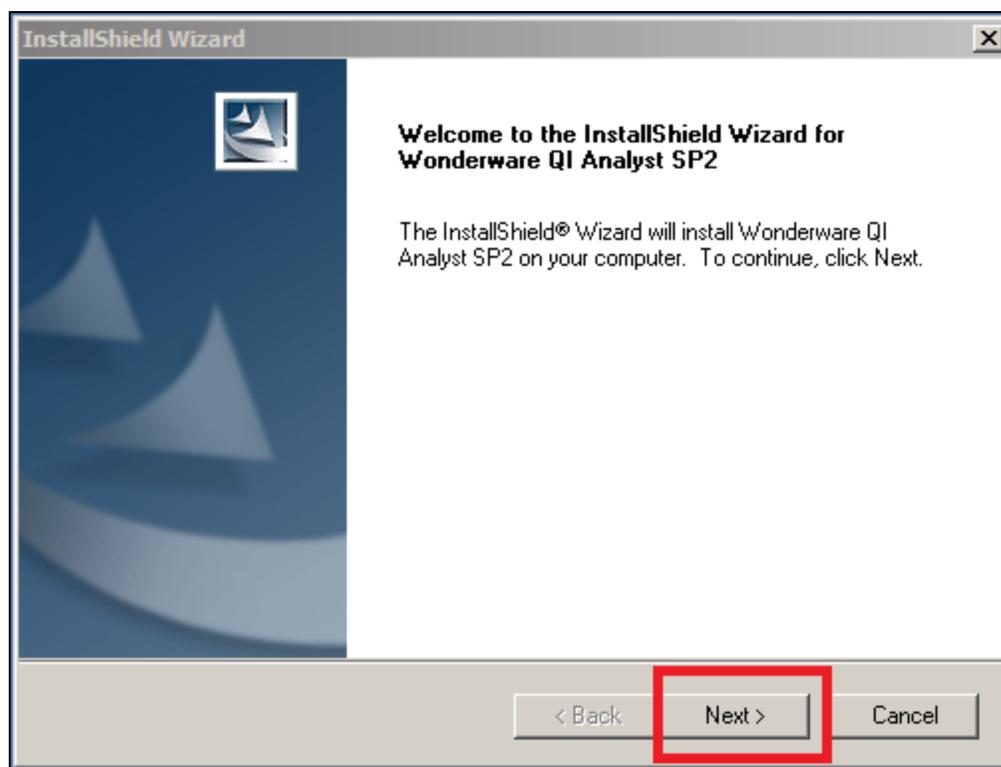
1. Click the **setup.exe** file, either by inserting your CD or in the directory where the QI Analyst is located (in case you are using a folder for the installation files).



QIA80 Sample InTouch App	11/8/2012 10:23 AM	File folder	
Autorun.inf	5/5/2011 9:11 AM	Setup Information	1 KB
Data1.cab	5/5/2011 9:11 AM	Cabinet File	40,272 KB
QI Analyst 8.0.msi	5/5/2011 9:11 AM	Windows Installer P...	41,561 KB
QI Analyst V8.0 Deployment Guide.pdf	1/8/2007 11:56 AM	Adobe Acrobat Doc...	147 KB
Readme.htm	5/3/2011 5:16 AM	HTML Document	150 KB
setup.exe	5/5/2011 9:12 AM	Application	2,616 KB

FIGURE 1: RUN SETUP.EXE

- At the Welcome to the **InstallShield Wizard** for QI Analyst, click **Next**.

**FIGURE 2: INSTALLSHIELD WIZARD**

- Acknowledge the User License agreement by clicking **Yes**.

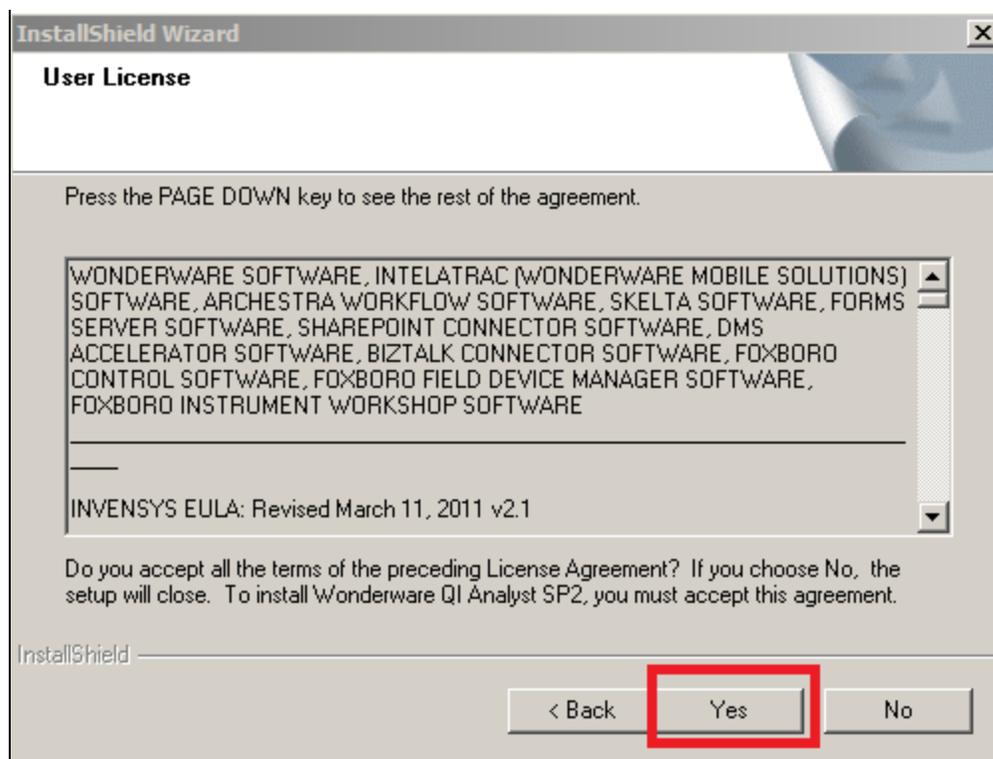


FIGURE 3: LICENSE AGREEMENT

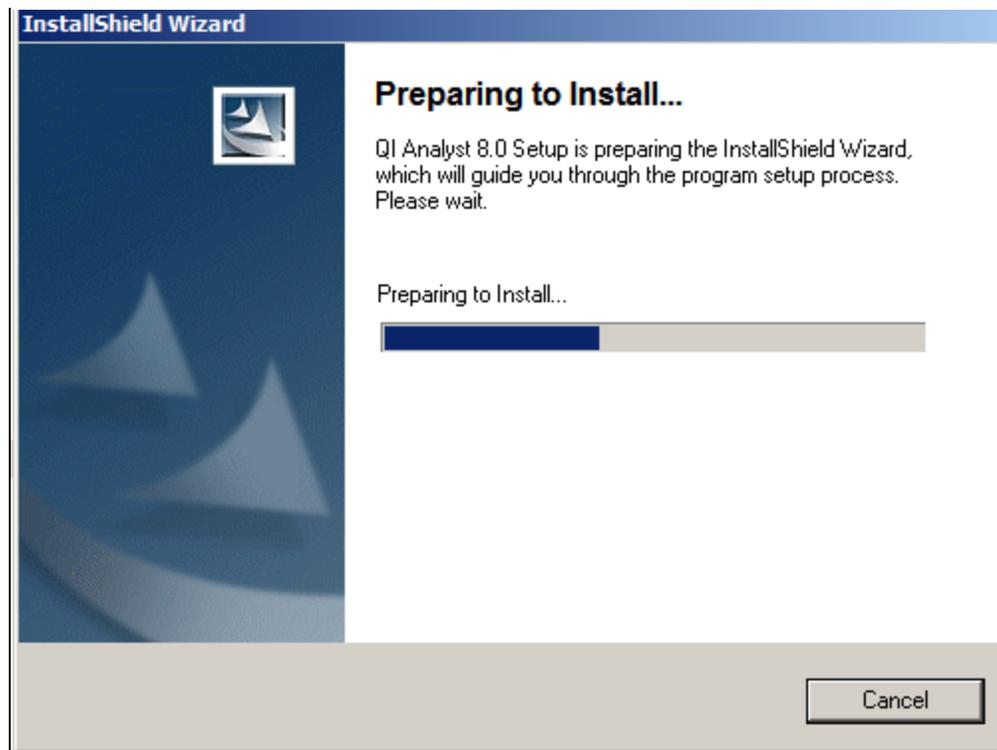


FIGURE 4: INSTALLSHIELD PREPARING TO INSTALL

4. Type your User Name and Company Name, then click **Next**.

InstallShield Wizard

Customer Information

Please enter your information.

Please enter your name and the name of the company for which you work.

User Name:
Training

Company Name:
Wonderware

InstallShield

< Back **Next >** Cancel

FIGURE 5: CUSTOMER INFORMATION

5. In the **Setup Type** dialog, select the **Complete** installation option and click **Next**.

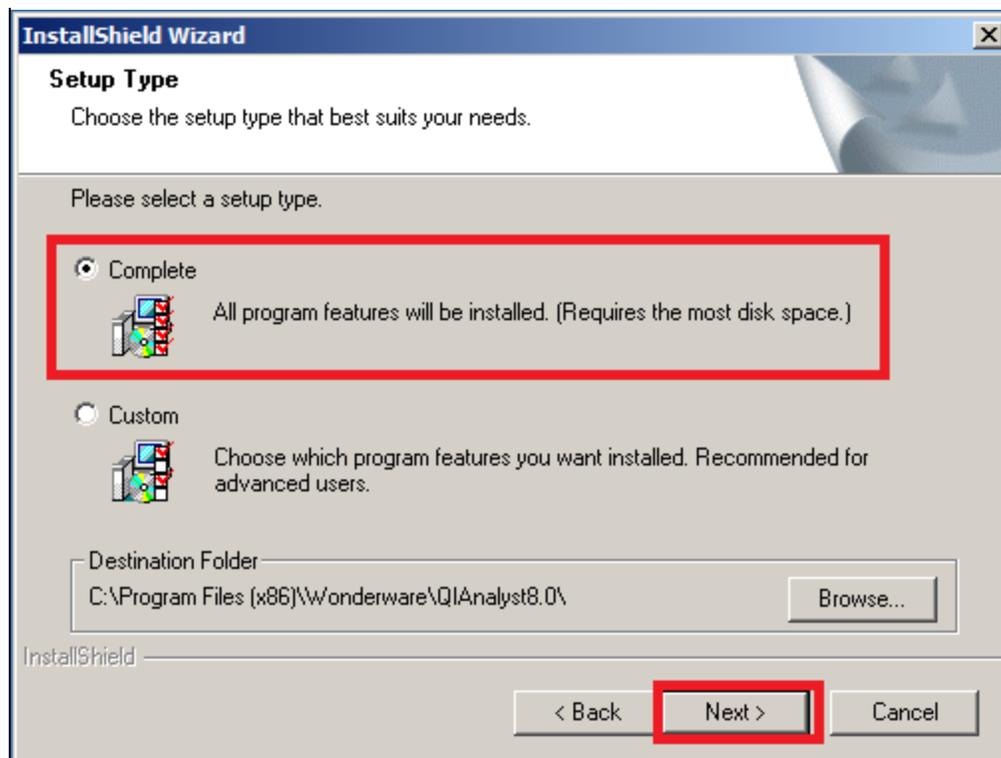


FIGURE 6: SELECT TYPE INSTALLATION TYPE

Important: The custom install has two features, **QI Analyst** and **Chart Services**. Only QI Analyst is selected by default. Selecting the **Complete** option installs both features. You can also choose not to install to the default destination folder.

A dialog box displays selected components for installation.

6. Click **Next**.

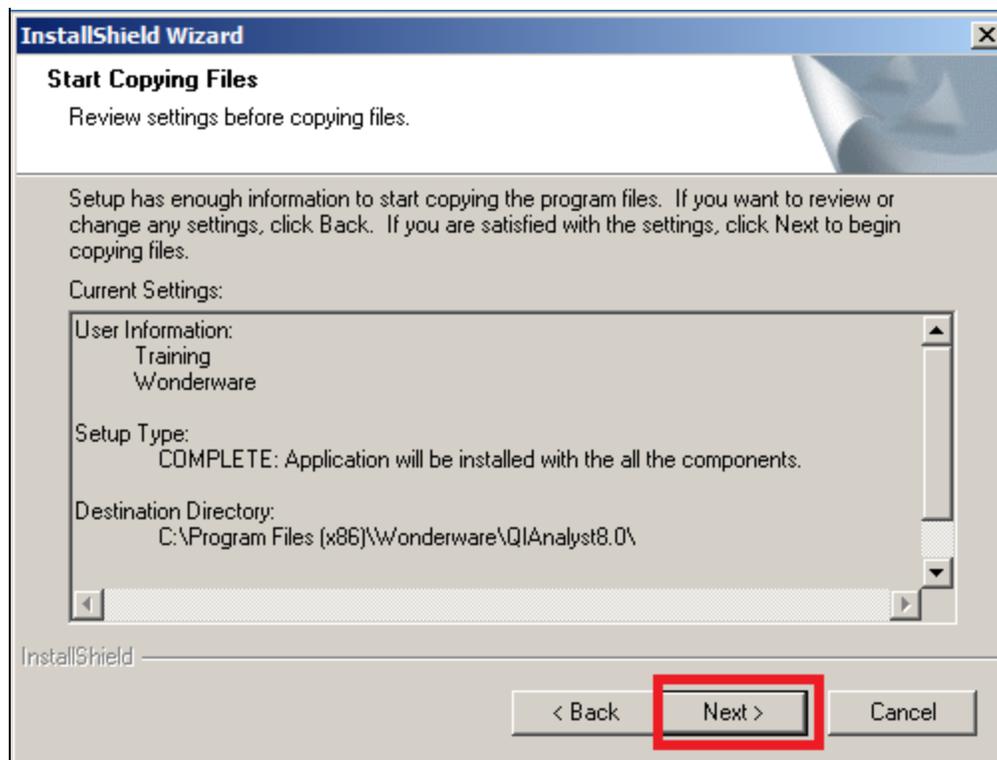


FIGURE 7: REVIEW SETTINGS

The files are unpacked and installed (Figure 8 below). When the installation is finished, the Admin Database Options dialog box appears (Figure 9 below).

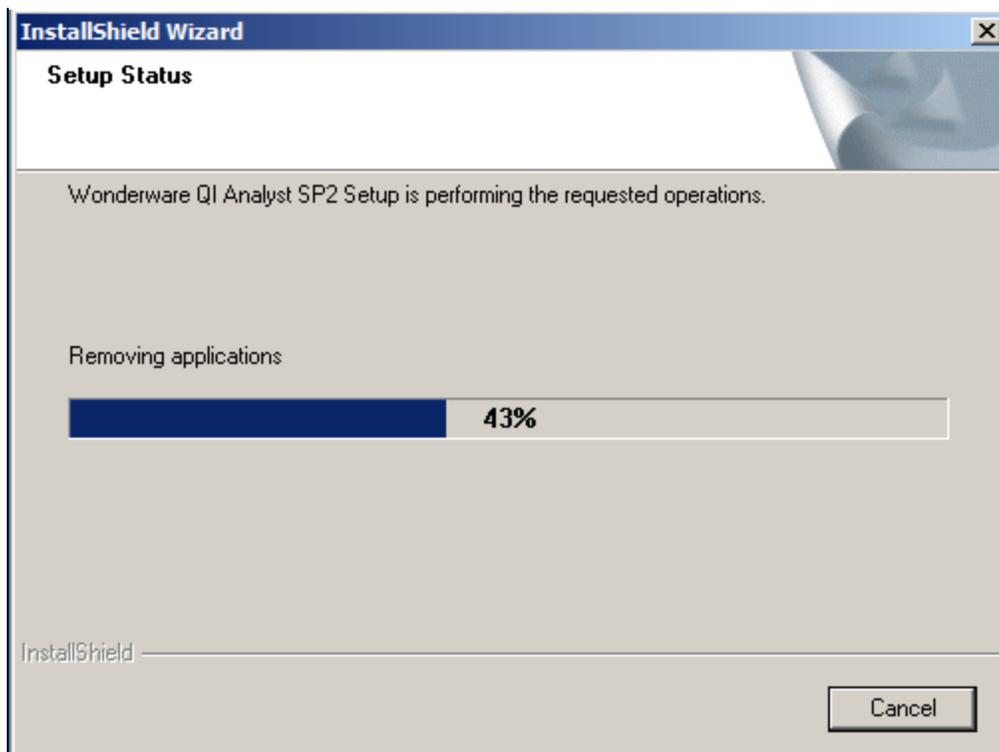


FIGURE 8: SETUP STATUS

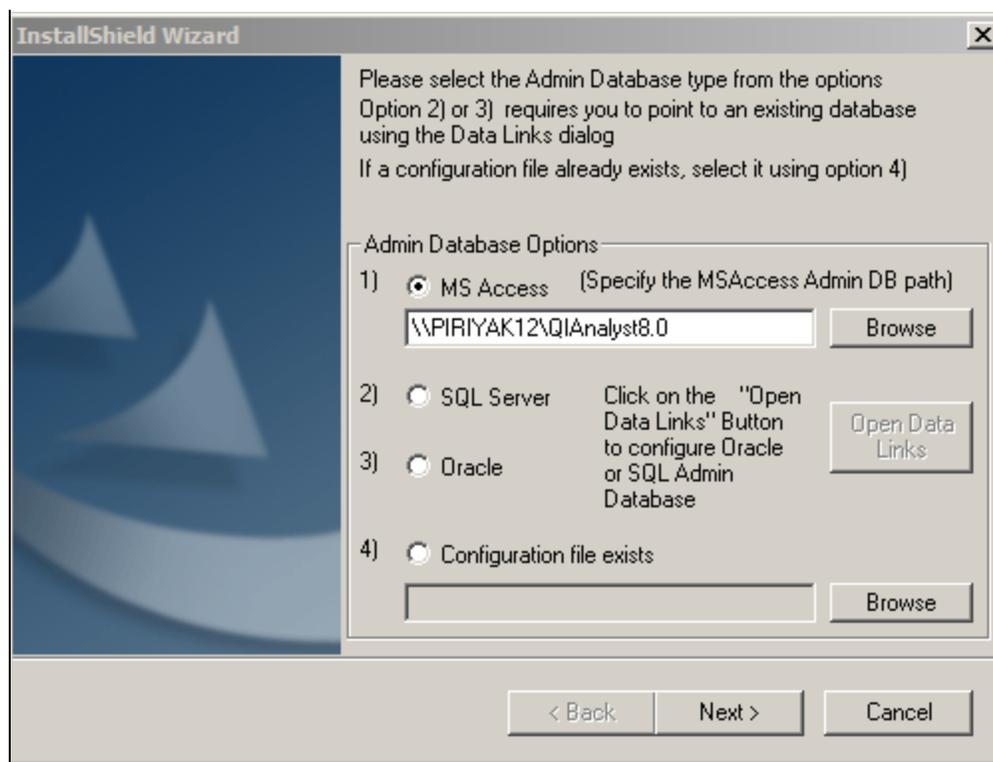


FIGURE 9: ADMIN DATABASE OPTIONS

Configuring the QI Admin Database

- Choose one of the following Admin Database Options. Click the option to see detailed installation instructions.

You can store the QI Admin database as one of the following:

- **Option 1: MS Access Database**
- **Option 2: SQL Server Database**
- **Option 3: Oracle Database**
- **Option 4: Configuration File Exists**

Note: If you have the config file, you can select Option 4 **Configuration file exists** and type the config file name. This will save you time during installation.

Typically, when installing on a machine assigned to be QIController, you use option 1,2 or 3 and generate a config file storing the admin database connection details. Then when installing on a machine(s) assigned to be QIWorkstation, you can just use option 4 and the config file generated from QIController installation, which will automatically point to the admin database.

Option 1: MS Access Database

1. Click the **MS Access** option.
2. Click browse and go to the install directory:
 - C:\Program Files (x86)\Wonderware\QIAnalyst8.0 (on a 64-bit machine)
 - C:\Program Files \Wonderware\QIAnalyst8.0 (on a 32-bit machine)

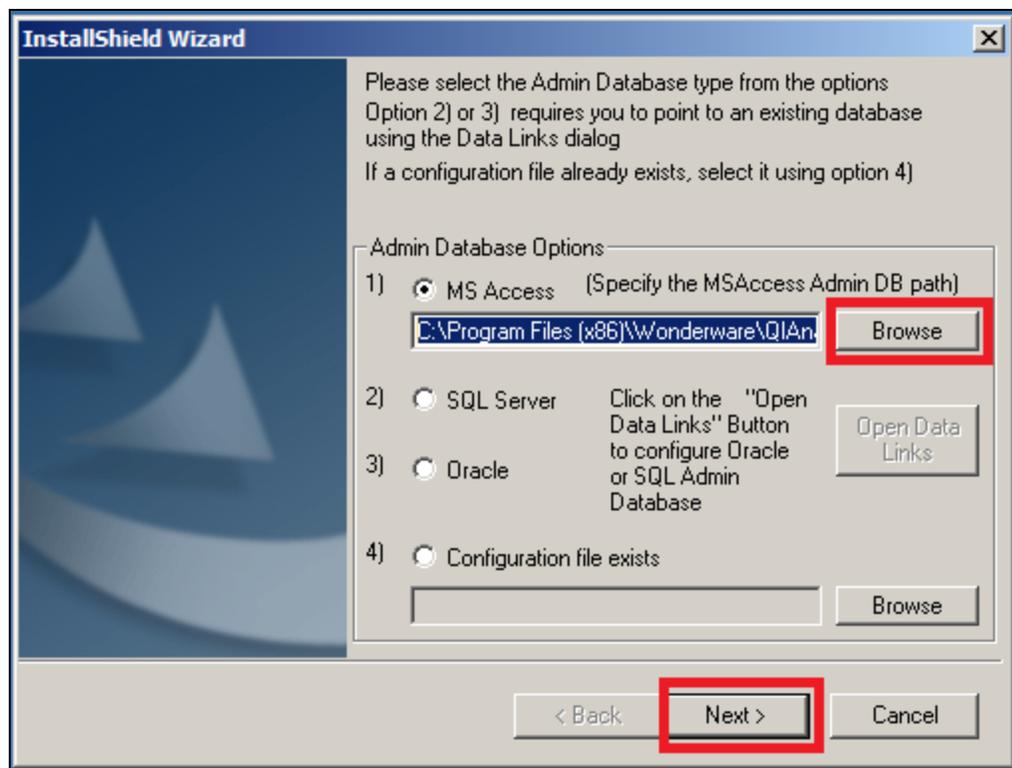


FIGURE 10: MS ACCESS DATABASE OPTION

3. Click **Next**. The DB with the default name **QIAdmin80.mdb** is created in the install directory.

Note: You can to create this database in a different folder instead of the install directory but the database will always be created with the name QIAdmin80.mdb.

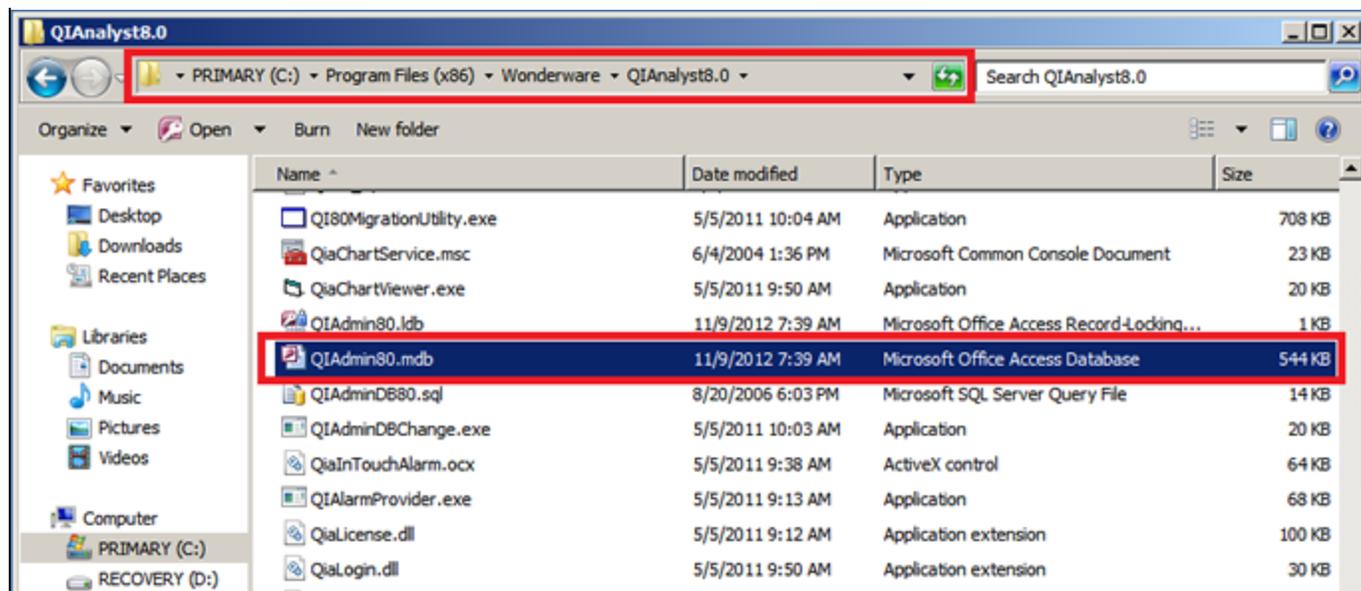


FIGURE 11: MS ACCESS DATABASE: QIADMIN80.MDB

4. Go to the [Configuring QI Analyst Security](#) section.

Option 2: SQL Server Database

1. Click the **SQL Server** option.

Note: SQL Server allows QI Analyst to operate in multi-operator work environment.

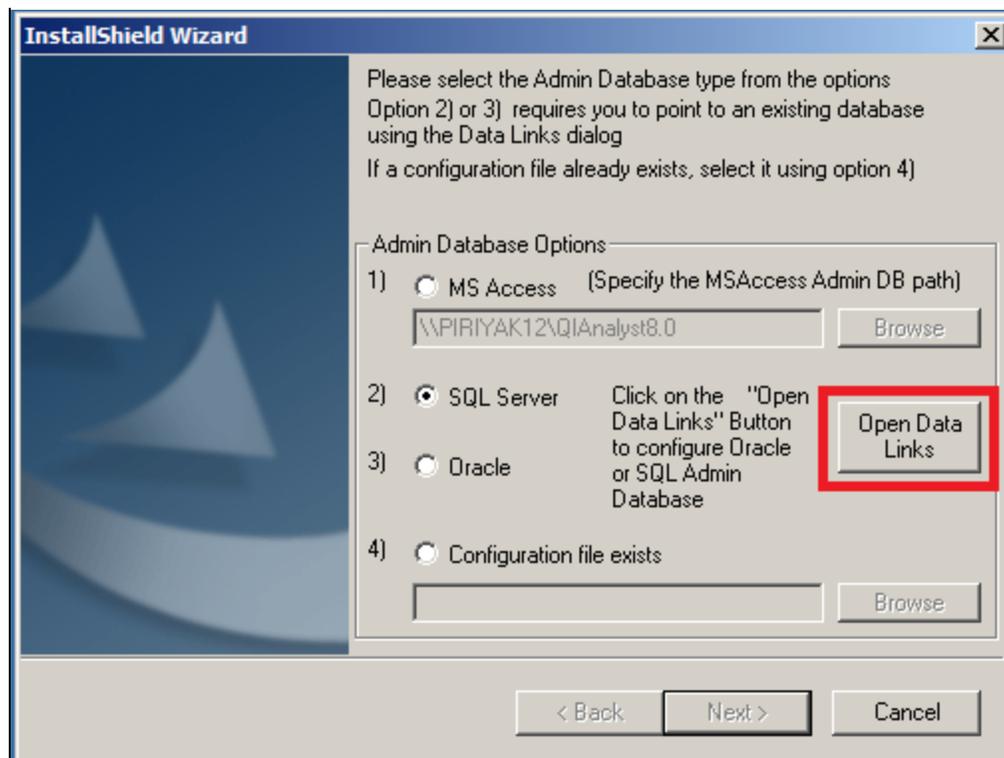


FIGURE 12: SQL SERVER DATABASE OPTION

When you select this option, the **Open Data Links** button is enabled.

The following steps are **not** part of QI Analyst 8.0 installation Wizard.

You must complete these steps before proceeding further with instalaltion.

2. Open **SQL Server Management Studio**.
3. In SQL Server Management Studio, create a new database called **QI Admin**.

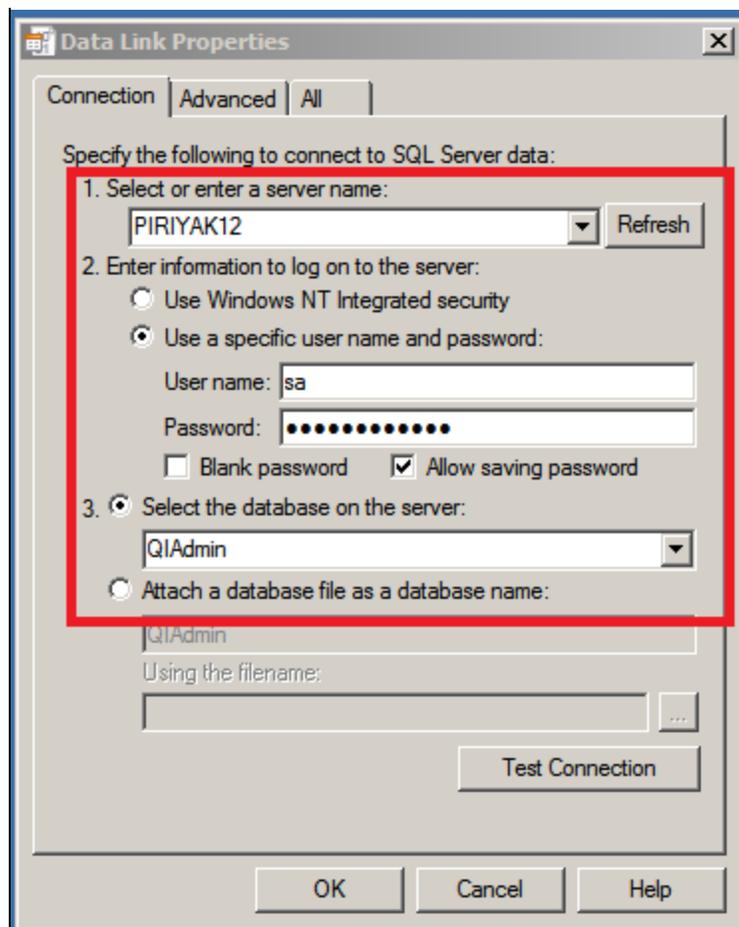


FIGURE 14: DATA LINK PROPERTIES

Note: The user name and password should be the proper credentials to log onto the SQL Server.

You can use either Windows NT Integrated Security or a specific name, just as long as either has db_owner rights to QIAdmin database and database write permissions in MSSQL Server.

The Server name is the server where the MS SQL Server is installed.

7. Click the **Test Connection** button at the bottom of the tab.

You are notified when the connection tests successfully.



FIGURE 15: TEST CONNECTION SUCCESS

8. Click **OK** to return to the Connection tab of Data Link Properties dialog box.
9. Click OK to return to the Admin Database Options dialog.
10. Click **Next**.
11. Go to the [Configuring QI Analyst Security](#) section.

Option 3: Oracle Database

1. Click the **Oracle** option.

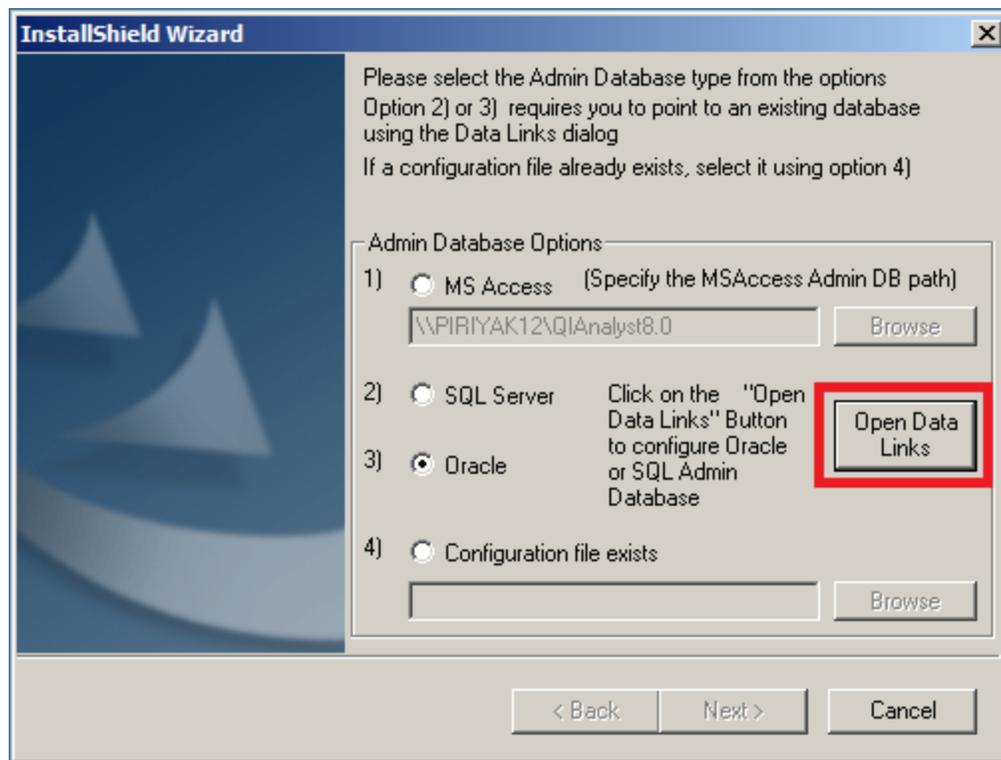


FIGURE 16: ORACLE DATABASE OPTION

Important: Before proceeding further, create a new database in Oracle to use as your admin database in the following steps.

When you select Option 3, the **Open Data Links** button is enabled.

2. Click the **Open Data Links** button.
3. Type the following: **Oracle Server** name, **User name**, **Password**.
4. Click the **Allow saving password** option.

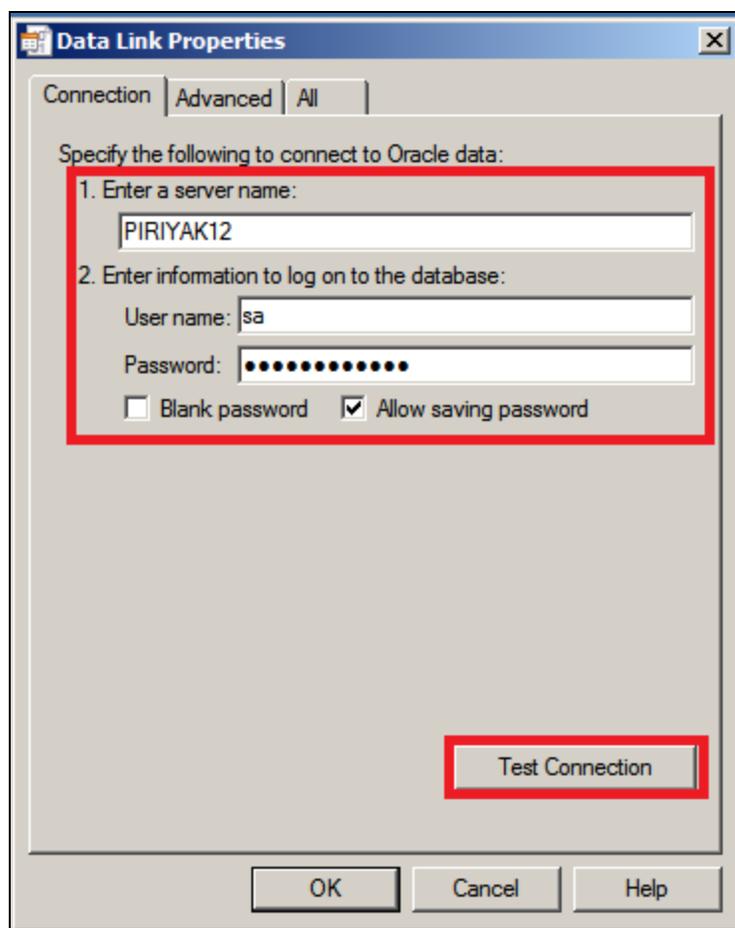


Figure 17: Data Link Properties for Oracle Database

Note: The user name and password should be the proper credentials to log onto the Oracle Server.

You must use a user name who has database write permissions in Oracle Server.

The Server name is the server where Oracle is installed. If you are connecting to a remote Oracle server make sure to at least install

Oracle client components on the local machine.

5. Click **Test Connection**.

You are notified once the connection tests successfully.



FIGURE 18: TEST CONNECTION

6. Click **OK** to return to the **Connection** tab of the **Data Link Properties** dialog box.
7. Click **OK** to return to the **Admin Database Options** dialog.
8. Click **Next**.
9. Go to the [Configuring QI Analyst Security](#) section.

Option 4: Configuration File Exists

1. Click the **Configuration file exists** option.

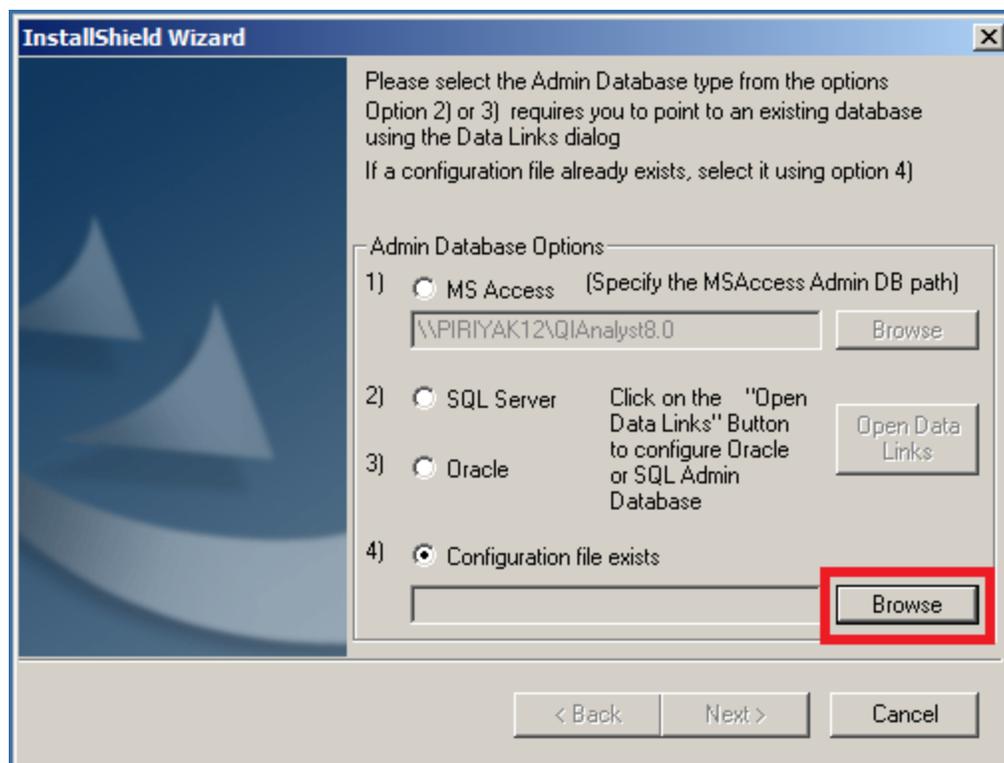


FIGURE 19: CONFIGURATION FILE EXISTS

2. Click **Browse**, and select an existing Configuration file.

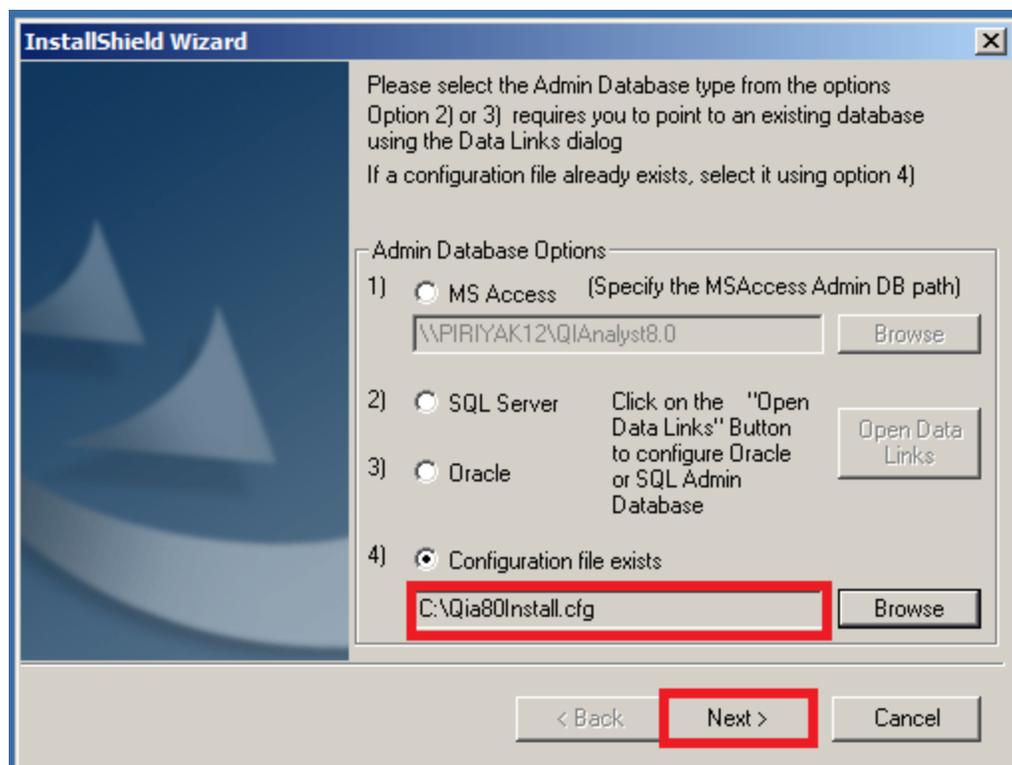


FIGURE 20: BROWSE TO CONFIGURATION FILE

3. Click **Next**.
4. Skip to the **Configuring QI Analyst Security** configuration window. By using a config file you are connecting to an existing admin database where the security has already been defined.

The InstallShield Wizard is Complete (Figure 21 below).

5. Click **Yes, I want to restart my computer now**.
6. Click **Finish**.

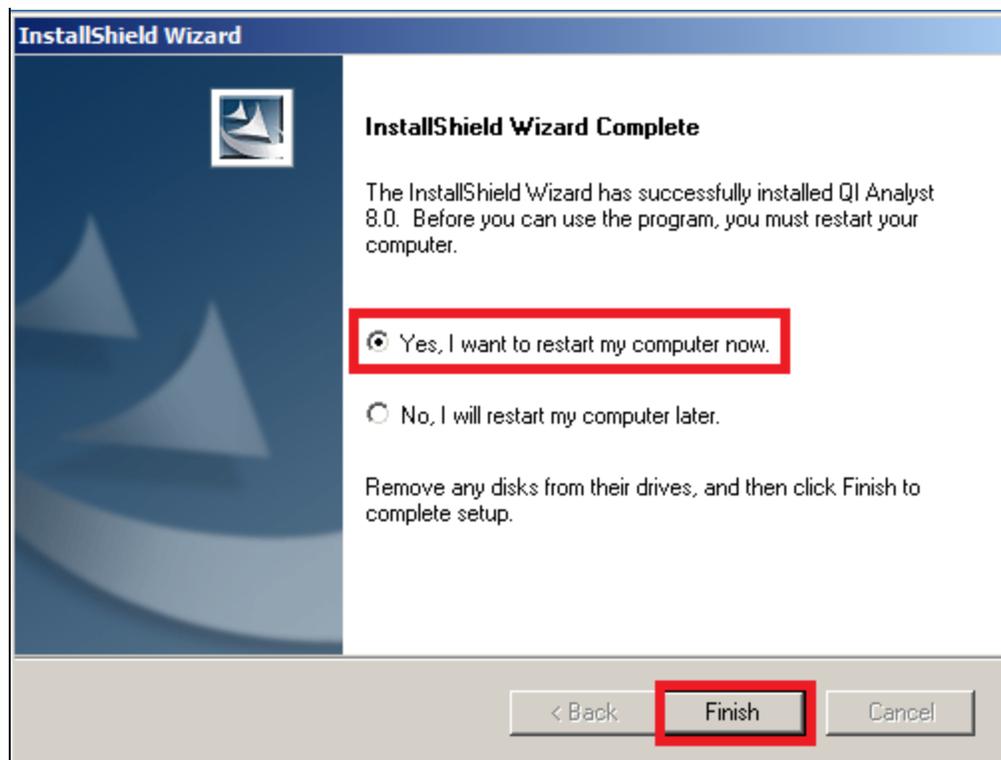


FIGURE 21: INSTALLSHIELD WIZARD COMPLETE

After rebooting, you will see the following pop up.



FIGURE 22: INSTALLATION PROCESS COMPLETING

Your installation is now complete.

Configuring QI Analyst Security

The QI Analyst configuration options dialog appears.

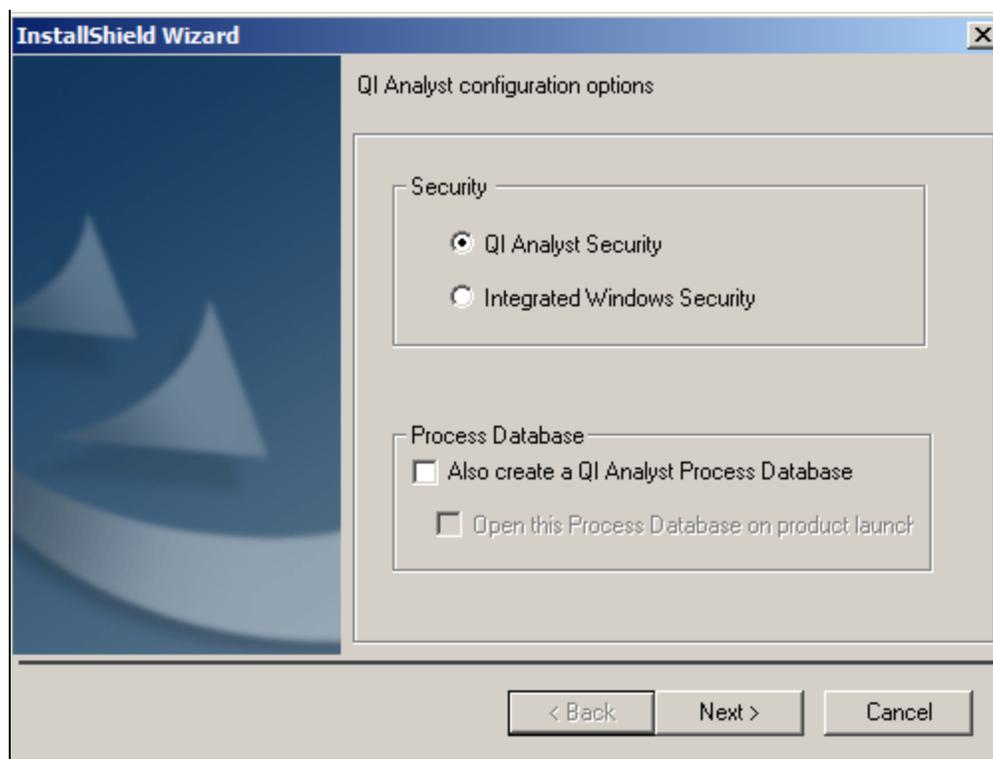


FIGURE 23: QI ANALYST SECURITY OPTION

1. Click the **QI Analyst Security** option.

Important: Once this selection is made and admin database has been initialized, ***security cannot be changed***. This option allows administrators to control all users and rights using the standard QI Analyst model. When using this security, the user will be prompted with a login screen when opening QI Controller / QI Workstation.

Integrated Windows Security

A second option allows you to tie a Windows NT account to the QI Analyst Group of rights. This allows administrators to leverage the benefits of Windows security (central administration, password aging control, etc.). When using this security, The user will not be prompted with a login screen. The windows user will be automatically logged into QI Controller /QI Workstation.

Note: All QI Analyst clients, e.g., Controllers, Workstations, App Server objects, InTouch and Visual Basic must use the same type of security.

Other Options

- It is not required to select **Also create a QI Analyst Process Database**. This can be done after the installation is completed.
- Select **Also create a QI Analyst Process Database** option only when you plan to have a single database acting as *both* your

Admin and Process database.

- Use the **Open this Process database on product launch** option when you want the process database to open automatically when logged into QI Controller and QI Workstation.
 - Do not select **Also create a QI Analyst Process Database** option when you plan to have separate databases for Admin and Process data.
2. Click **Next**. The **Save QI Analyst database configuration file** dialog box appears.
 3. Check the **Save Configuration to File** option, and provide a location to store it.

This dialog box creates a config file to be saved to a known location. This step is not required for a single node only installation. However, if QI Analyst is intended to be used in multi-node environment, you will be required to use the same Admin database. Creating this file will allow multiple nodes to share one admin database by providing the proper connection.

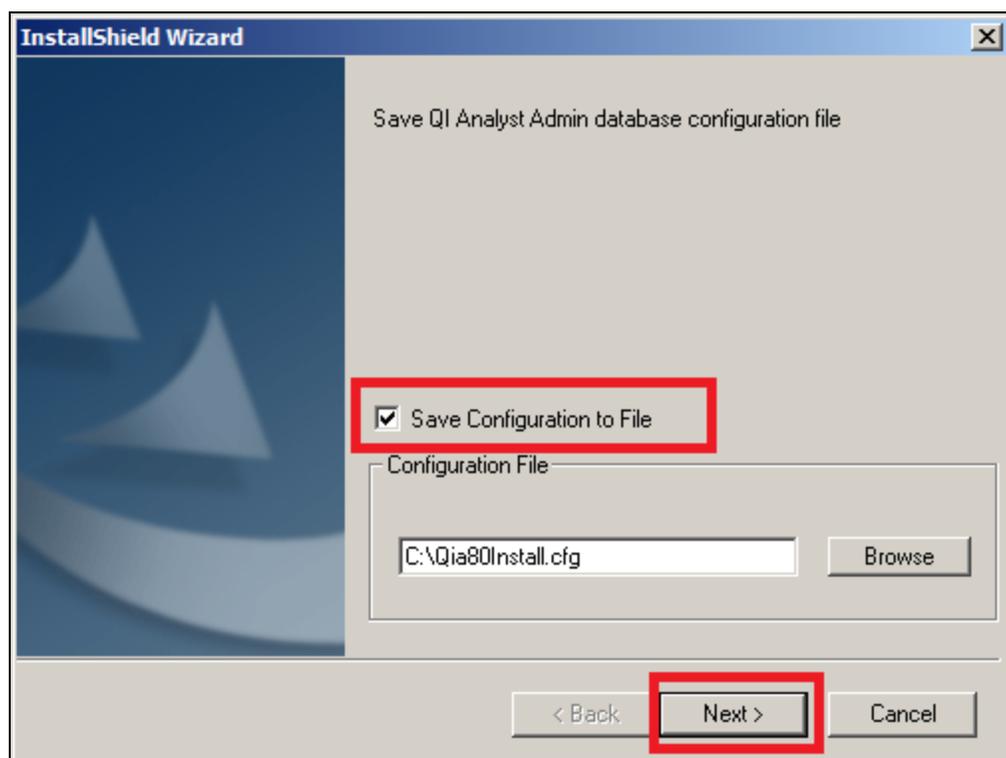


FIGURE 24: SAVE CONFIGURATION TO FILE

4. Click **Next** and wait a few moments.
5. If you are prompted to reboot, do so at this time.

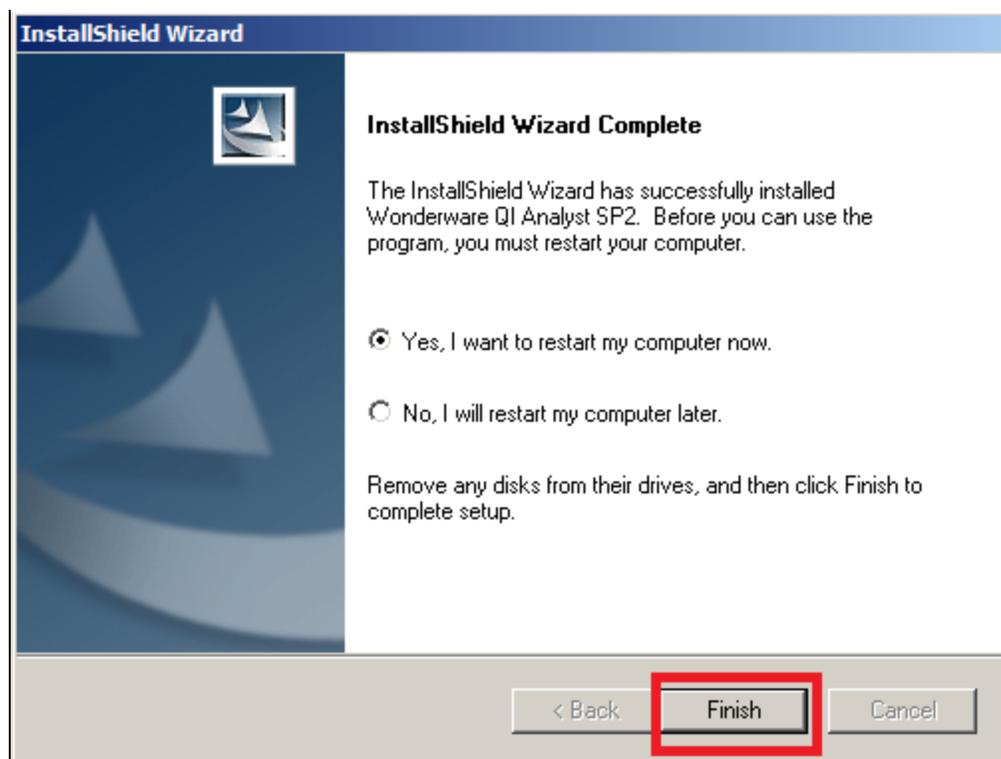


FIGURE 25: INSTALLSHIELD WIZARD COMPLETE

After rebooting, you will see the following pop up.



FIGURE 26: INSTALLATION PROCESS COMPLETE

When the installation wizard doesn't prompt for a restart, it displays another screen where you can choose to view the readme and start the license utility. These tasks are optional. You can uncheck those option and finish the installation.

6. Install any service packs or patches to complete the installation. You can download them from the [Wonderware Developer Network](#) (login required).
7. Start the license utility and install the QI license, if necessary.

If the installation was cancelled for any reason and then resumed, you will see the following error:

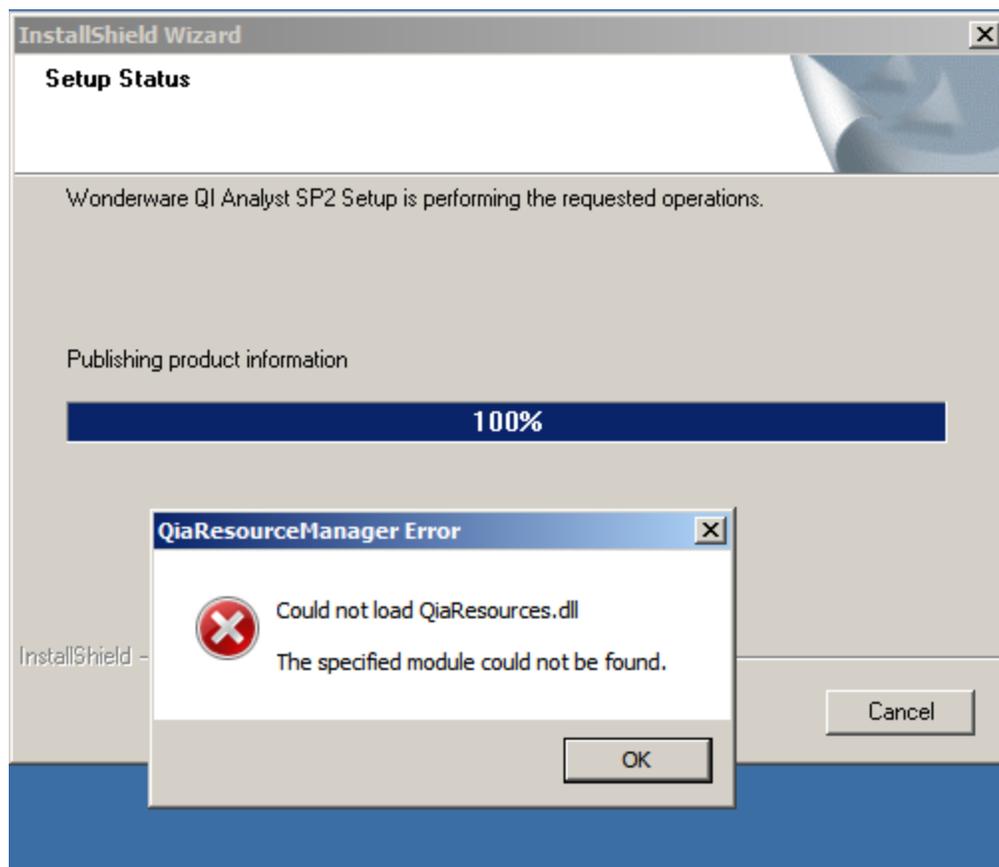


FIGURE 27: ERROR: COULD NOT LOAD QIARESOURCE.S.DLL

- Click **OK**. To resolve this issue, follow [Tech Note 833 – Resolving QI Analyst Installation Errors](#).

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