

Tagprint 4.0

Single User and Network Installation
Instructions

System Requirements

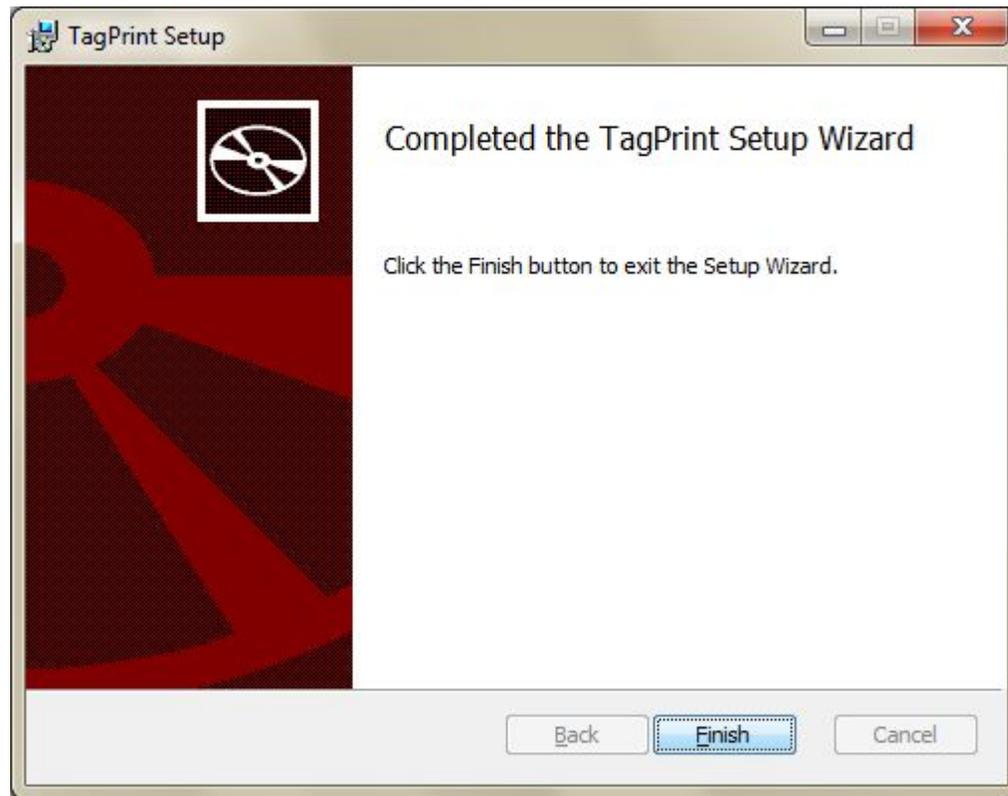
- **System Requirements**
- Single User:
- PC running Microsoft Windows 7, 8.1 and 10, 32 or 64 bit. Windows XP, Vista and Windows 8 are not supported.
- .NET Framework 4 or greater
- 512 MB RAM
- 1.0 GB RAM
- 500 MB Available Hard Disk Space

- **System Requirements**
- Network User:
- PC running Microsoft Windows 7, 8.1 and 10, 32 or 64 bit. Windows Server 2008 or better
- .NET Framework 4 or greater
- Microsoft SQL Server Express 2008 or greater.
- 1.0 GB RAM
- 500 MB Available Hard Disk Space

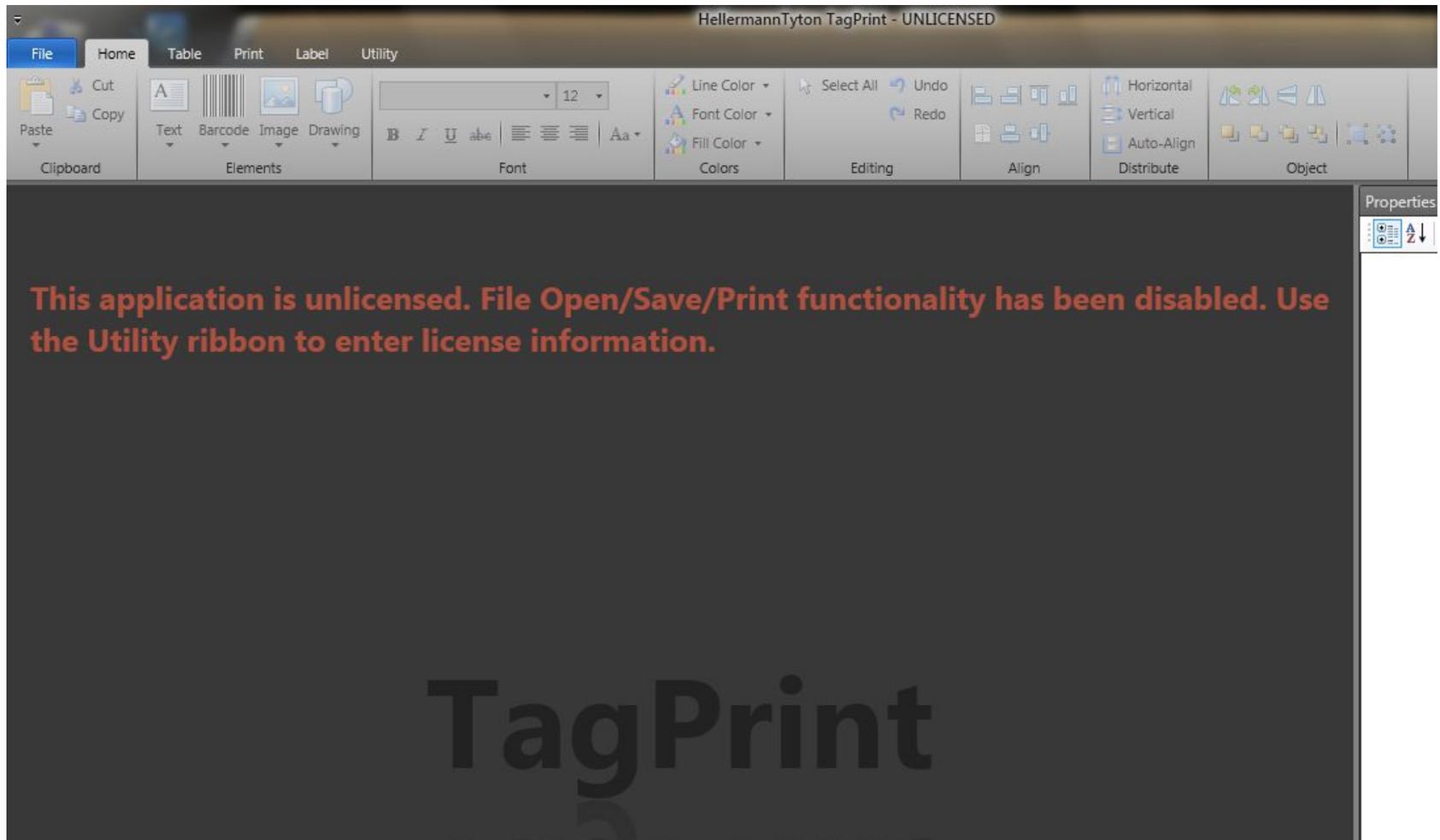
Tagprint Pro 4.0 Installation Process



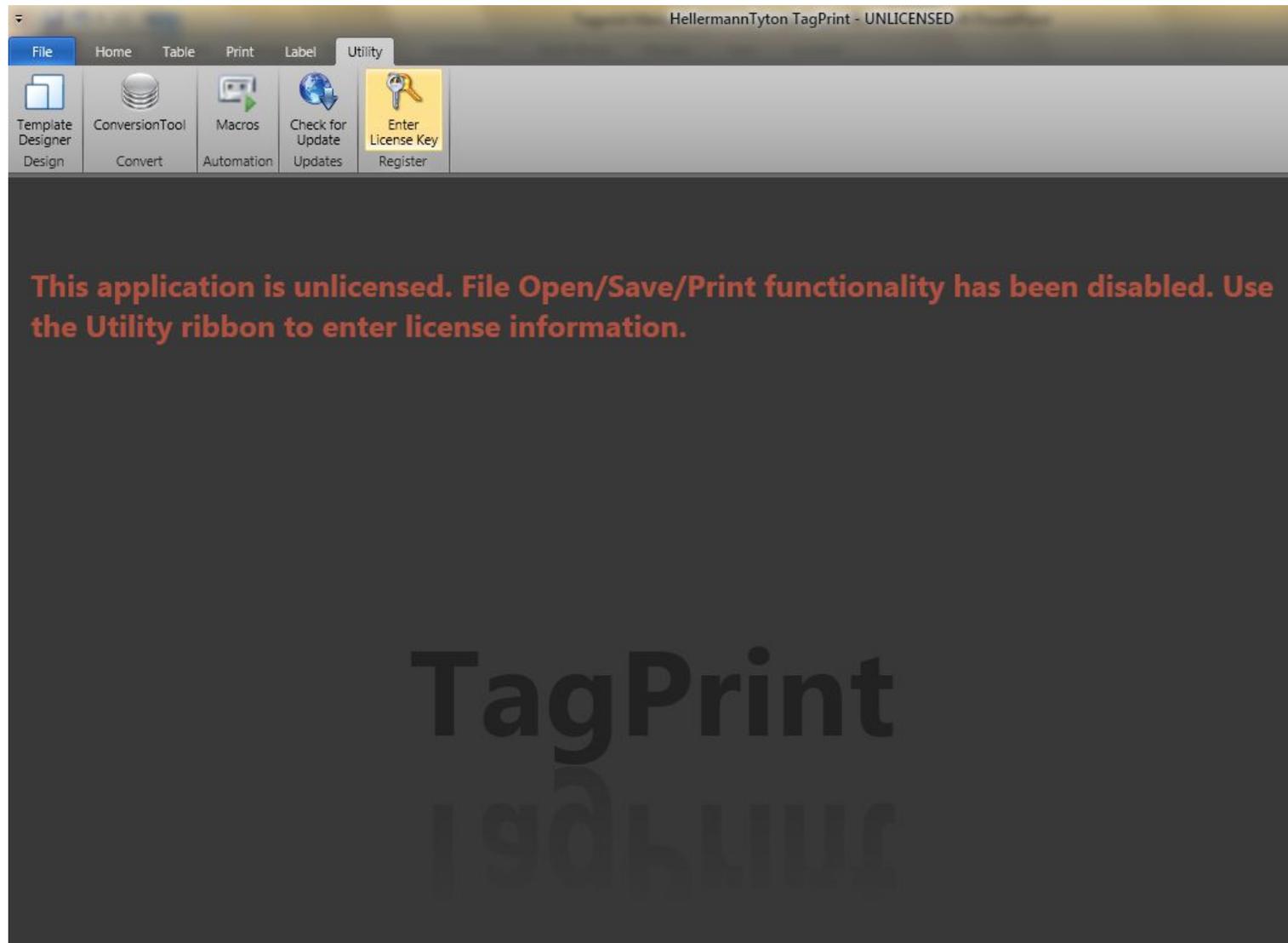
INSERT DISK INTO CD ROM DRIVE AND THE PROGRAM WILL AUTOMATICALLY BRING UP THE LICENSE AGREEMENT. IF YOU AGREE, CHECK THE BOX TO ACCEPT TERMAS AND THEN CLICK ON INSTALL. TAGPRINT REQUIRES THAT THE COMPUTER BE UPDATED TO .NET 4. IF NEEDED GO TO THIS LINK TO DOWNLOAD: <http://msdn.microsoft.com/en-use/netframework/aa569263>



WHEN COMPLETE, CLICK FINISH



TAGPRINT WILL DISPLAY THIS MESSAGE. A VALID SERIAL NUMBER MUST BE ENTERED TO ACTIVATE THE PROGRAM. CLICK ON THE UTILITY RIBBON.



CLICK ON THE "ENTER LICENSE KEY" ICON



ENTER LICENSE KEY AND CLICK OK

KEY PARAMETERS

- HellermannTyton re-designed the key to make it more secure and harder to crack. No code is unbreakable, but the new key used in Tagprint 4.0 is very secure. There is a chance of 1 in 3656158440062976 of getting a working key.
- Keys are currently generated using a standalone application which can allow HellermannTyton to create any number of valid keys on-demand. There is a limit of 60,466,176 valid keys.
- The key entry dialog in the application forces the correct number of characters and casing (upper case) and is an improvement over the TagPrintPro 2.0 style to reduce calls to product support which was specifically called-out as a requirement of this project.
- Certain positions within the key have meaning and we use that to identify which version of the application is licensed (single user vs. network). Keys will allow multiple installs to occur at a site as they are not validated to a central server. The network version counts current sessions and limits the number of sessions to the max allowed by the installed server key. As the application expands, and possibly adds features, etc. the key can be extended (in function not size) to accommodate growth.



ONCE THE LICENSE KEY IS ENTERED, CLICK TEST TO VERIFY AND THEN OK IF THE PROGRAM APPROVES THE ENTRY OF THE KEY. IF NOT, CHECK THE LICENSE KEY CAREFULLY FOR ANY TYPOS OR ERRORS.

RUNNING TAGPRINT PRO ON A NETWORK SERVER

Overview of Network Capabilities

Main Differences Between a Single User and Network User version

- If the user creates 15 new and unique label templates in the label database, there is no easy way to update multiple single license users unless you distributor and copy/paste the database into each local installation. With a Network version, the changes can be made once and all users have access to the changes.
- Label designs and tables can be opened at the same time by multiple users.
- Print later jobs can be accessed by all users in a Network version. Print later jobs can be created once and are instantly available to users who may utilize our macros to automatically select print later jobs.
- In the full Windows Terminal Services option, the program is installed once on a central server and not locally at the terminal or user computer. The users share the one program on the server. This also applied when you select “Install for all users” on a desktop application. Each user has to logon to use the program and set their own preferences. If use Install for all users, then all users can access the program with the same or universal preferences

Network Scenarios.

- Tagprint Pro 3.0 is designed to target several use case scenarios which should cover a broad range of customers:
- **Use Case #1:** Windows Desktop users connected to a shared database on a peer-to-peer network. (No server, just a series of computer networked. Which is targeted for 3 – 5 users like a small shop who are not very computer technical)
This is a very common scenario with several Windows PCs (XP, Vista, Windows 7) where one of the PCs acts as the database server. A publically shared folder (on one PC) contains designs, ClipArt, and PrintLater files which can be accessed at the same time. User can also privately save designs to a local folder. This is very cost effective as the customer can use SQL Server Express as the database server which is available as a FREE download from Microsoft. A Windows server OS is not required for this use case. This is a Locally installed application. Only the specific number of Network users can run the program concurrently. The program could be installed on 20 machines but if a 3 license Network version is purchased, then only 3 can run it at one time. The SQL Server database keeps track of concurrent sessions. The License validation is at the application itself.
- **Use Case #2:** Windows Desktop users connected to a Windows Domain Server (A main server connected to multiple terminals and is targeted for 3 – unlimited users) You can logon from any terminal using your password and username.
In this scenario, users are centrally managed via a Windows Domain controller and the database server is full SQL Server which represents additional costs over TagPrint alone. File shares (Shared Network) are used to save publically available designs, images, and PrintLater jobs. SQL Server Express can still be used on a Windows Server OS to reduce some costs. (This is basically the same as Case #1, but the client uses full SQL Server which is paid for by the client).
- **Use Case #3:** Window Terminal Services users connect via Remote Desktop (Targeted for 3 – unlimited users)
This scenario users connect to a remote desktop session via their desktop workstation. In this fashion the user experience is similar to use case #2 however, installation is a bit simplified as the client application can be installed for all users at the server and then licensed and scripted to use the network database. This requires SQL Server and Windows Terminal Services and represents significant additional costs to obtain the Windows and SQL Server licenses. This one allows remote applications through Windows Terminal Services 2008 or higher or CITRIX. The program is not installed locally, but on a server and only an icon appears on the local terminal. The SQL database keeps track of concurrent users and files are shared on the server.

Why doesn't Tagprint Pro ask for the location of the SQL server during install ?

- Is there a way to have the installation ask for the location of the SQL Server during the install, instead of having to install it directly on the server? And if not what files are installed on the SQL Server during the installation?

Tagprint Pro 3.0 is designed to cover a wide variety of use cases with the server install. (See previous slide) This is also why the install does not by default copy the TagPrint Pro application, images or samples when performing a server install. It only copies the database file and log (MDF and LDF) and performs the attach. The installation is setting up the database(s) only and that is just one of the several use cases that Tagprint Pro is trying to support.

SQLServer Express

- SQLServer Express usually installs to a default instance named EXPRESS so you would refer to the server as SERVER-NAME\EXPRESS and database: TagPrintDatabase. You must include the instance name when defining the parameters for the connection. If you installed to a named instance (not EXPRESS) you would need to include that in the name.

Why doesn't Tagprint write to a SQL Database?

- It is not possible to build a folder structure within the database.
- It is not possible to predict size of each label design that would be stored in the database. SQL databases have limits to what you can store in each column. Tagprint is limited by the SQL database minimum file size so that we can cover a wide of SQL database options.

Installation Options

- During installation, one can select “Install for all users” or “This User Only” on a single user desktop application. If one selects “This User Only”, each user has to logon to use the program and set their own preferences. So, user one can have English, user two, French, etc. In this case, each user has to enter the serial key and set preferences the first time. If the user selects “Install for all users” then all users can access the same program when they log in and all preferences are the same for each user.

NETWORK INSTALLATION CHECKLIST

It is recommended to run the server installation package on the computer which will act as the TagPrint Pro Database server in order to properly copy all database files and optional application files and sample data files. The TagPrint Pro server installation will setup a fully functional SQL Server database on the server computer.

Pre-Installation Checklist:

Prior to beginning the server installation process, insure the following items are accounted for:

Insure .NET Framework 4 (Full Framework) is installed.

Insure SQL Server 2008 or higher is installed. TagPrint Pro Server supports SQL Server 2008 Express and higher. You CAN run SQL Server Express edition on Windows Server 2008 operating systems.

Determine the folder location where the SQL Server database files will be copied (default is the common documents folder [C:\Users\Public\Documents]).

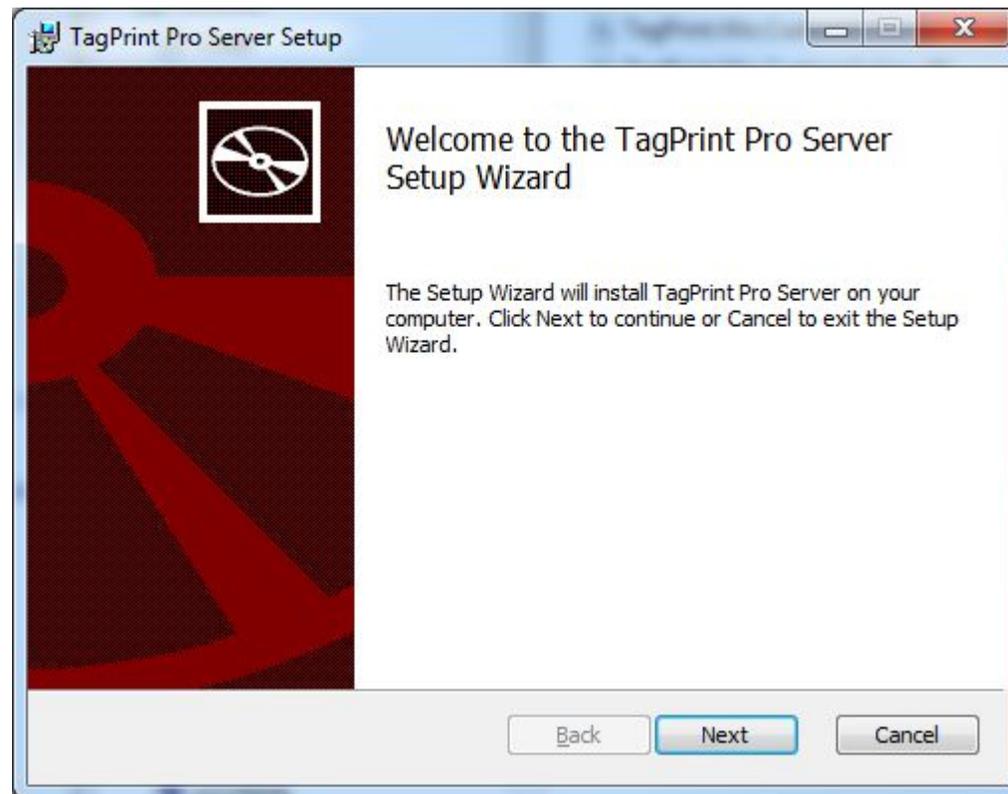
Determine if you will be installing the client application on the server along with the database files.

Summary

- Using the server installation; install to the server and install the database.
- Install clients with the same installation MSI but do not install the SQL Server Database files (There is an option for this).
- License clients as server clients and set the data source to point to the server.
- Restart application...Done.

NETWORK INSTALLATION

To begin installation launch the TagPrint.Server.MSI file located on the installation media (CD) or download location.



Press "NEXT" to continue

NETWORK INSTALLATION

If the prerequisites are not met the installation will display an alert to the user and abort the installation. Make sure the prerequisites are met from the previous section.



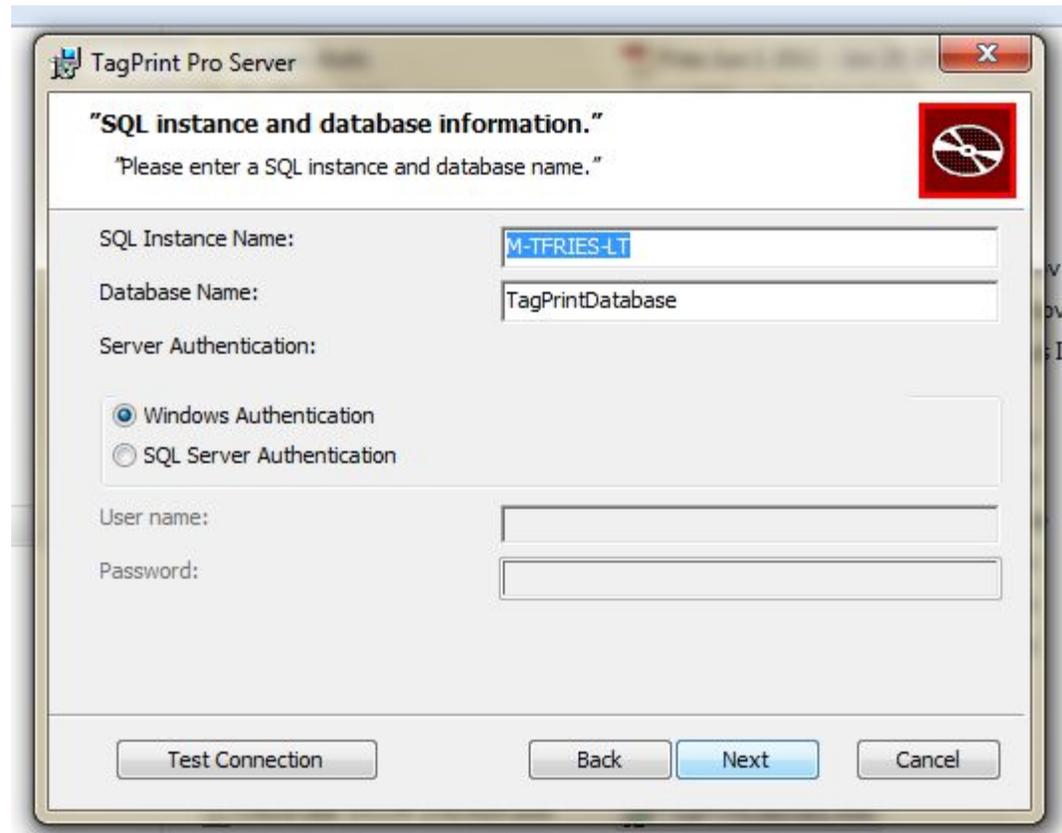
Press "OK" to continue if this message appears.

NETWORK INSTALLATION



Accept the terms of the agreement and click on “NEXT”

NETWORK INSTALLATION



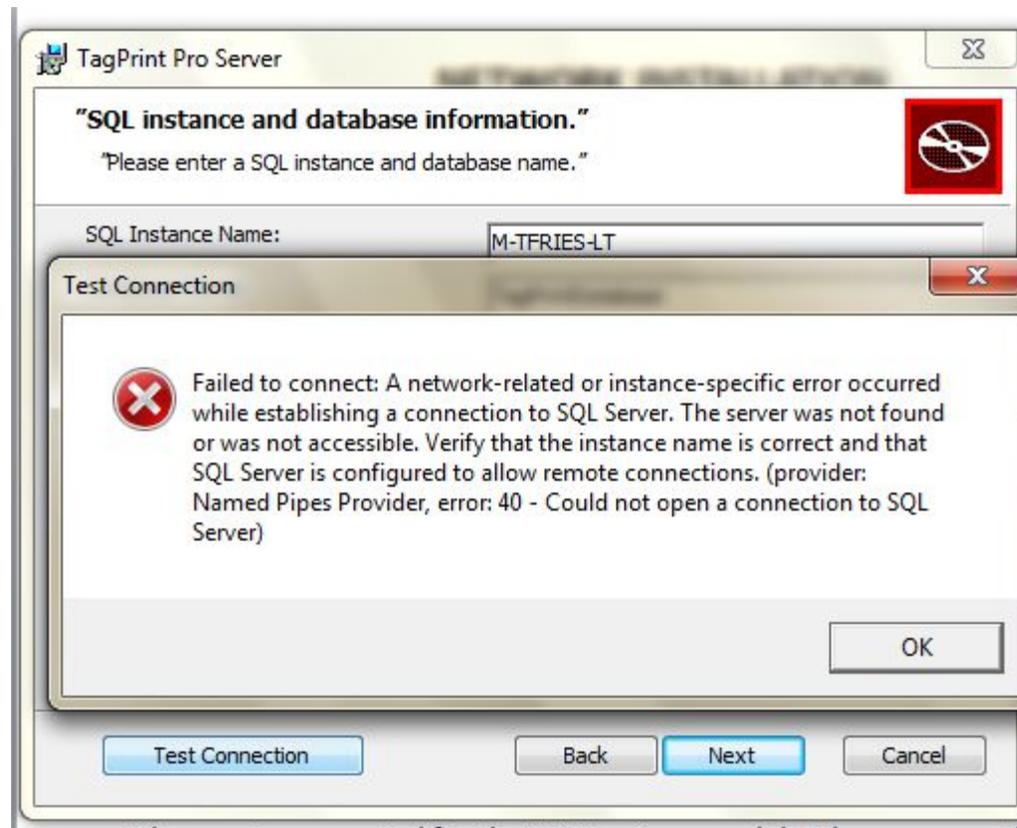
The screenshot shows a Windows-style dialog box titled "TagPrint Pro Server". The main heading is "SQL instance and database information." with a sub-instruction "Please enter a SQL instance and database name." and a red warning icon. The form contains the following fields and options:

- SQL Instance Name:
- Database Name:
- Server Authentication:
 - Windows Authentication
 - SQL Server Authentication
- User name:
- Password:

At the bottom, there are four buttons: "Test Connection", "Back", "Next", and "Cancel".

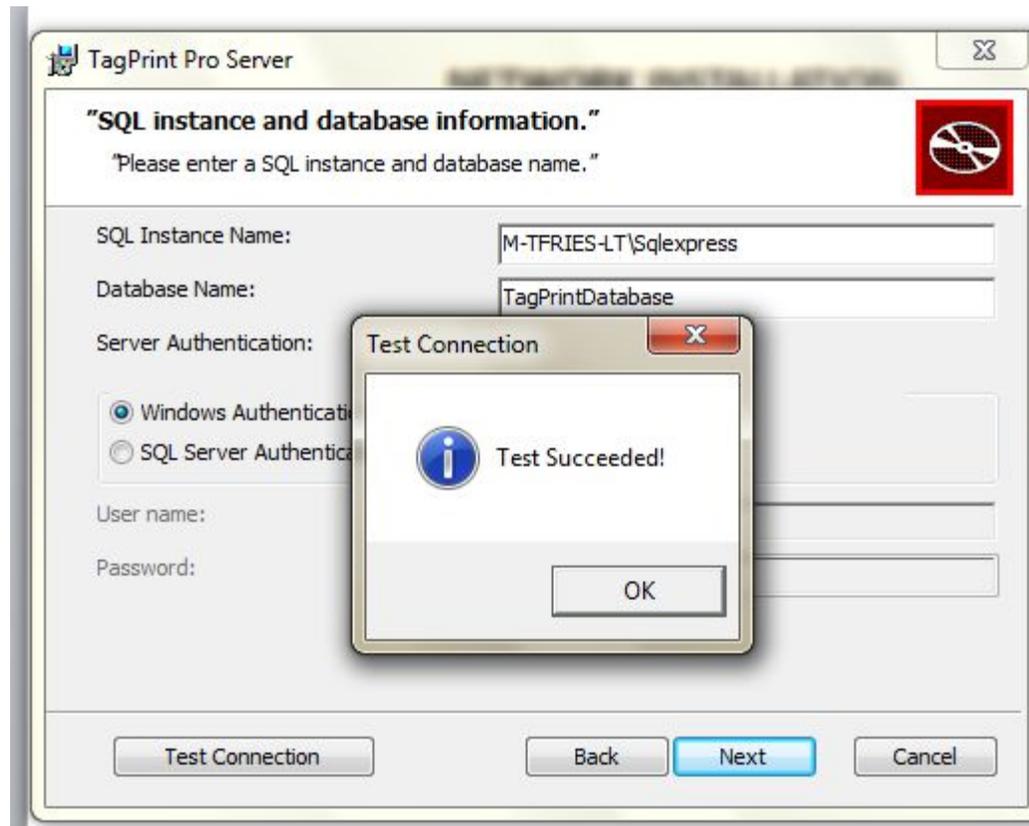
- The user is prompted for the QQL Instance and database name. The user can also set Windows Authentication. Click TEST CONNECTION.

NETWORK INSTALLATION



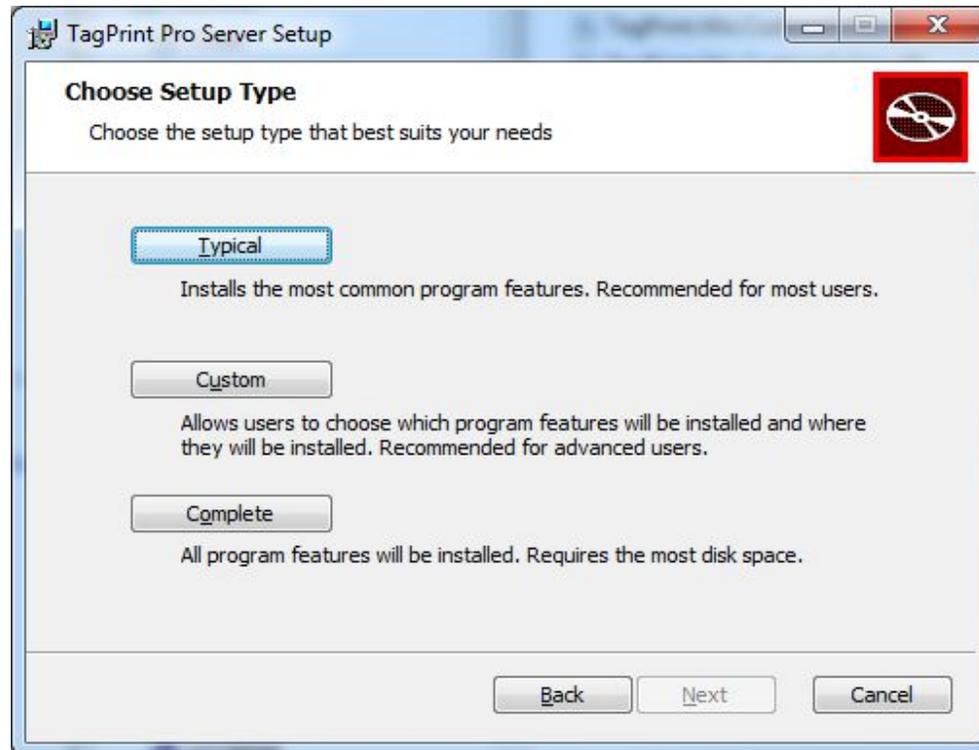
- If the TEST CONNECTION does not succeed, an error message will appear. Click OK and make any corrections, then TEST CONNECTION again to verify.

NETWORK INSTALLATION



- If the TEST CONNECTION succeeds, this message will appear. Click OK to continue.

NETWORK INSTALLATION



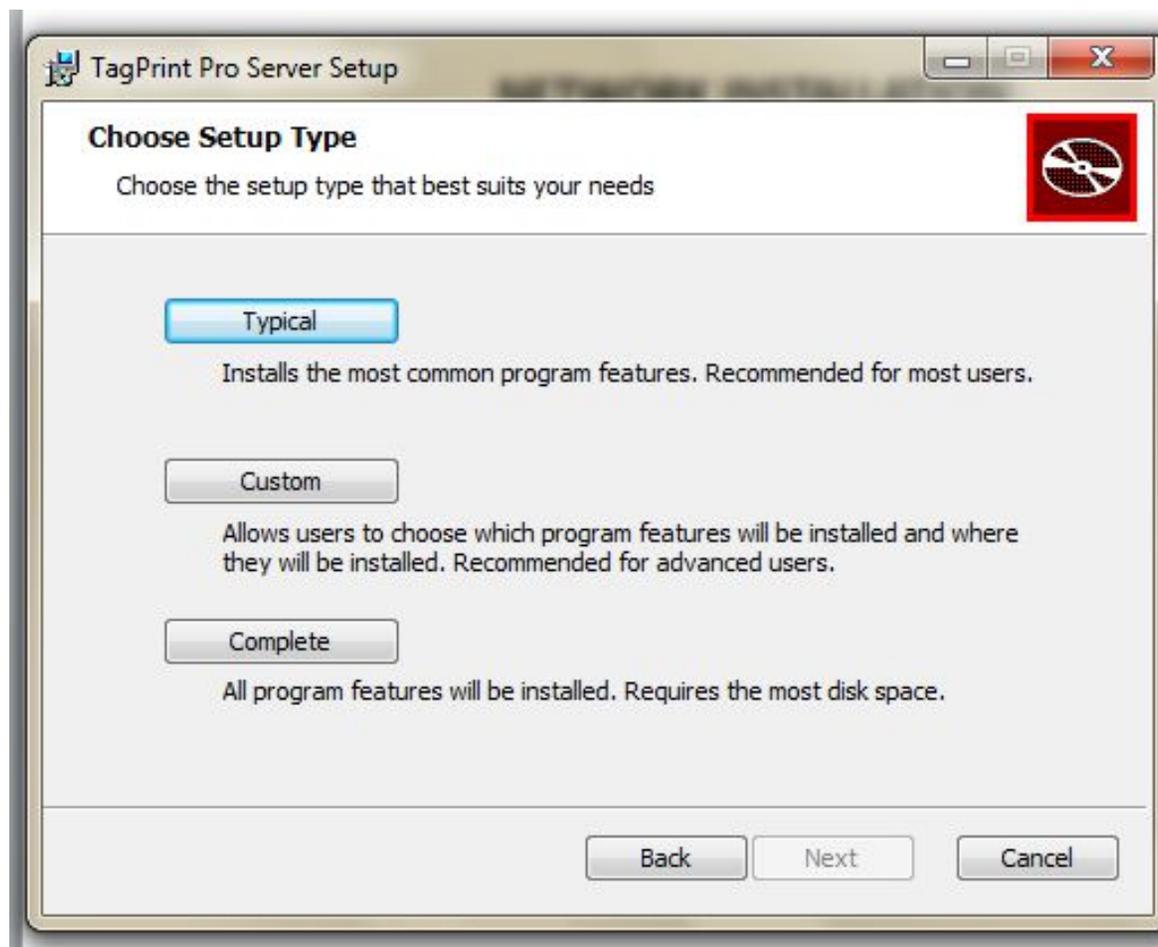
Choose the type of installation you wish to perform;

Typical: Only install the database files to the SQL Server and attach as the named database. This does not install any of the sample data files or the TagPrint Pro client application.

Custom: Choose which additional files to copy and also choose whether to install the TagPrint Pro client application. This option also allows to select where the individual packages are installed.

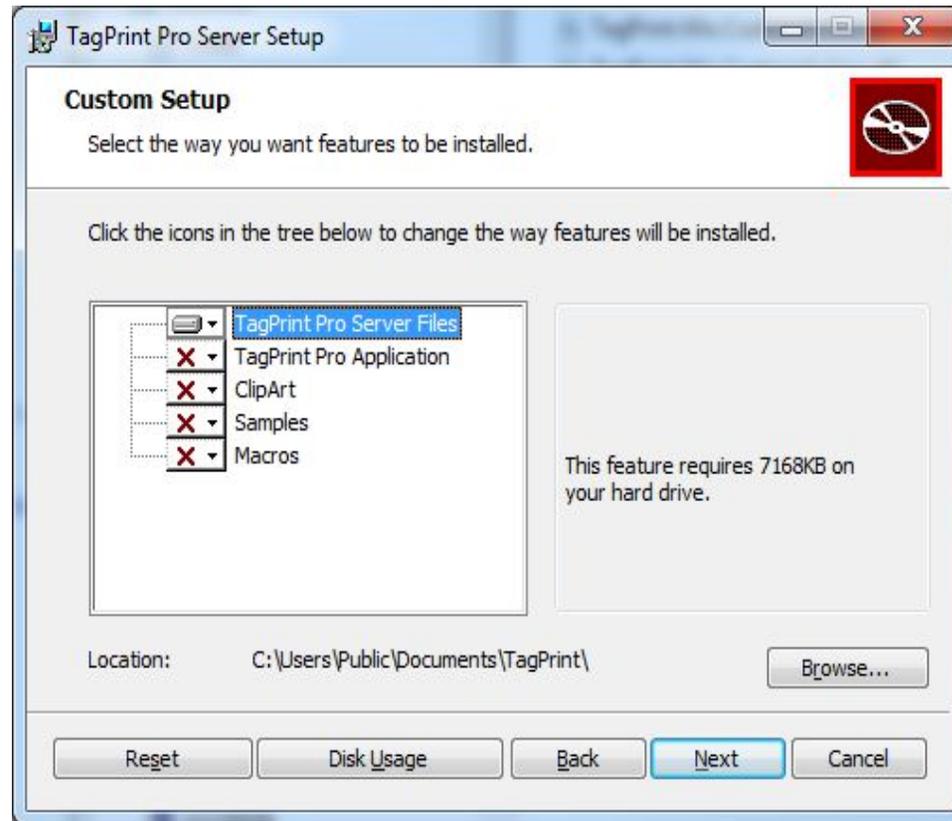
Complete: Installs everything in the package.

NETWORK INSTALLATION



- Select an option and then click on NEXT.

NETWORK INSTALLATION

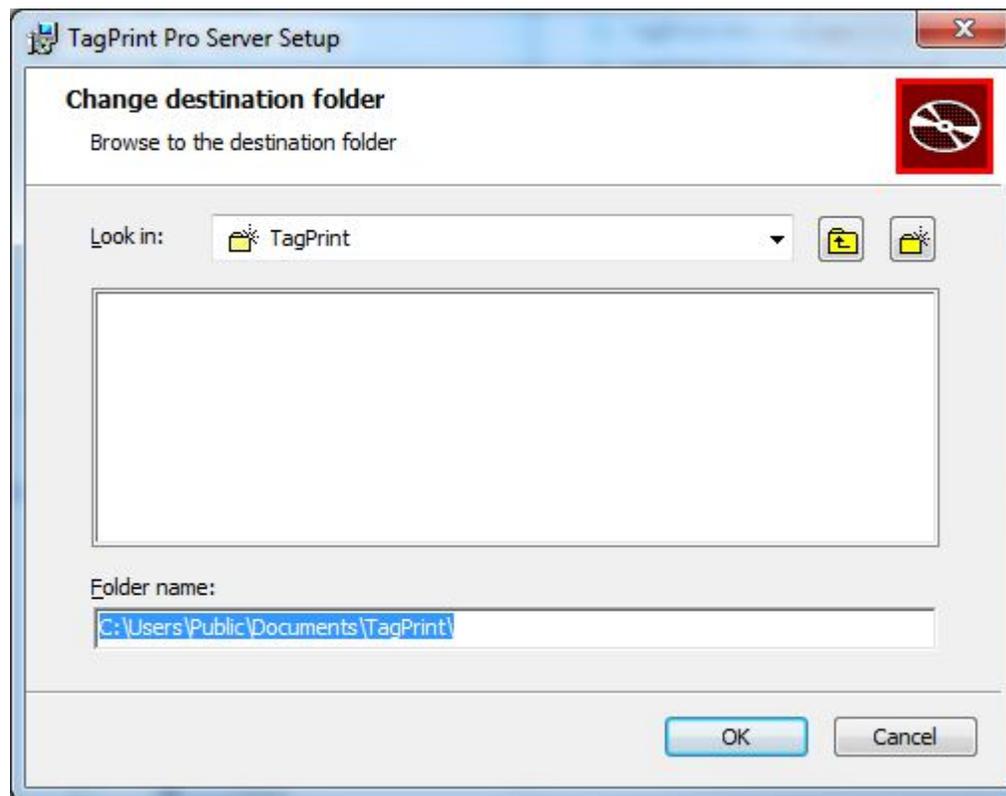


The typical install option only installs the database files and attaches the named database to the SQL Server.

Click Browse to set the installation location for the database files. Separate locations can be chosen for the database files and the client application.

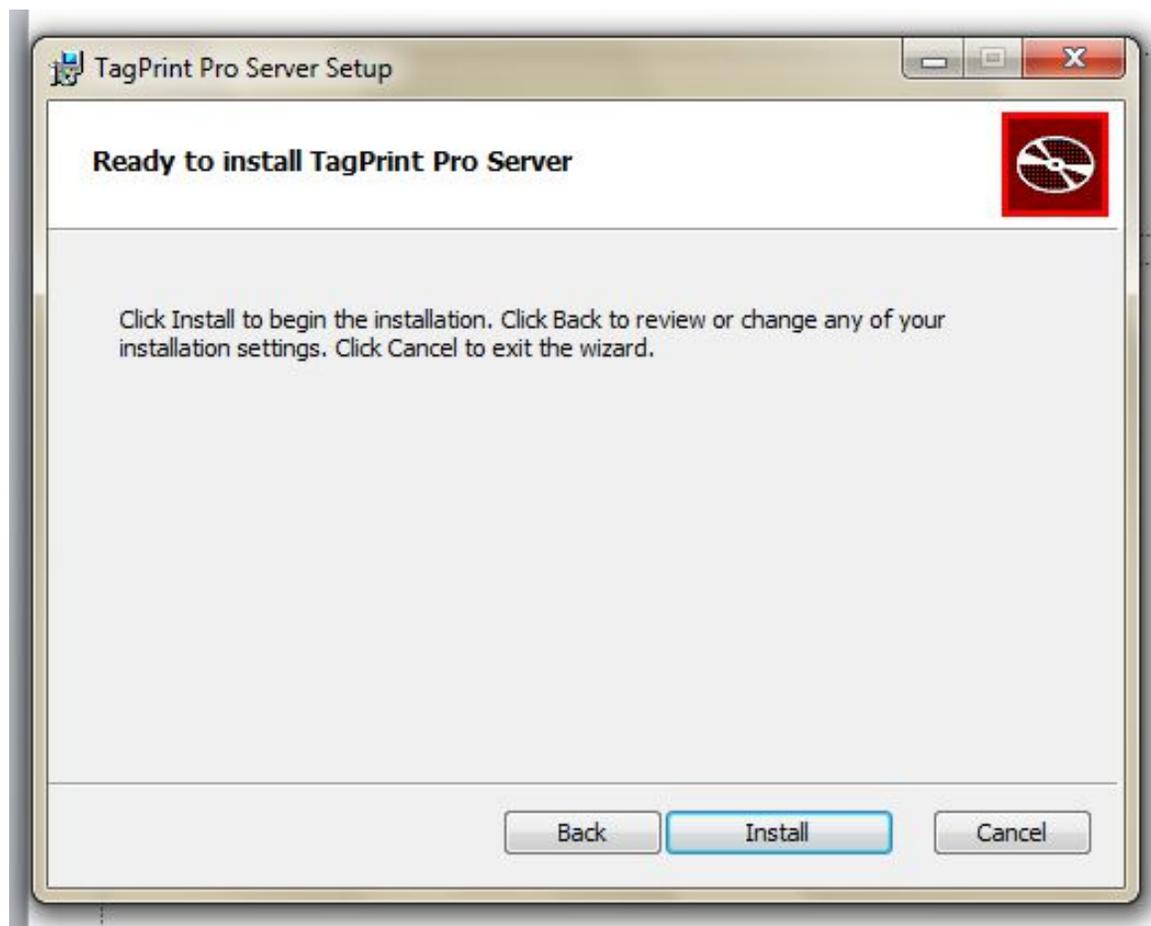
Choose next to complete the installation.

NETWORK INSTALLATION



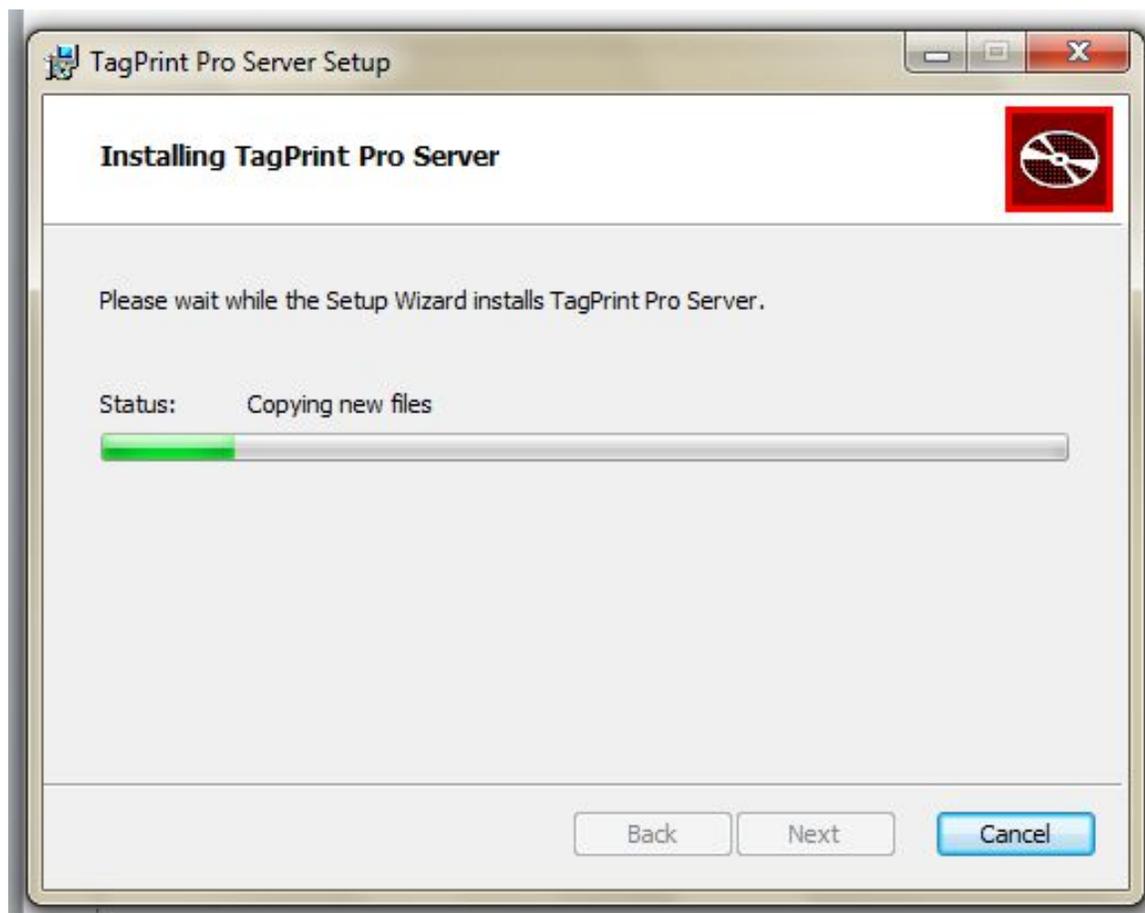
Example of folder location selection dialog

NETWORK INSTALLATION



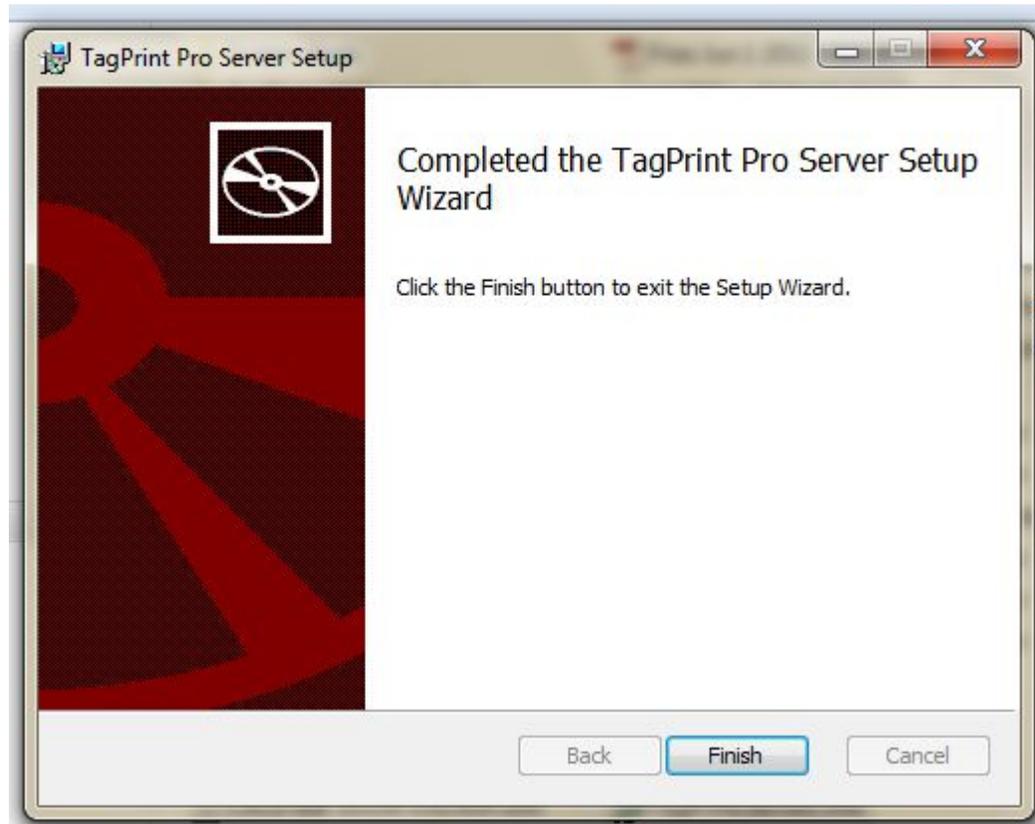
- Click on **INSTALL** to start the setup process.

NETWORK INSTALLATION



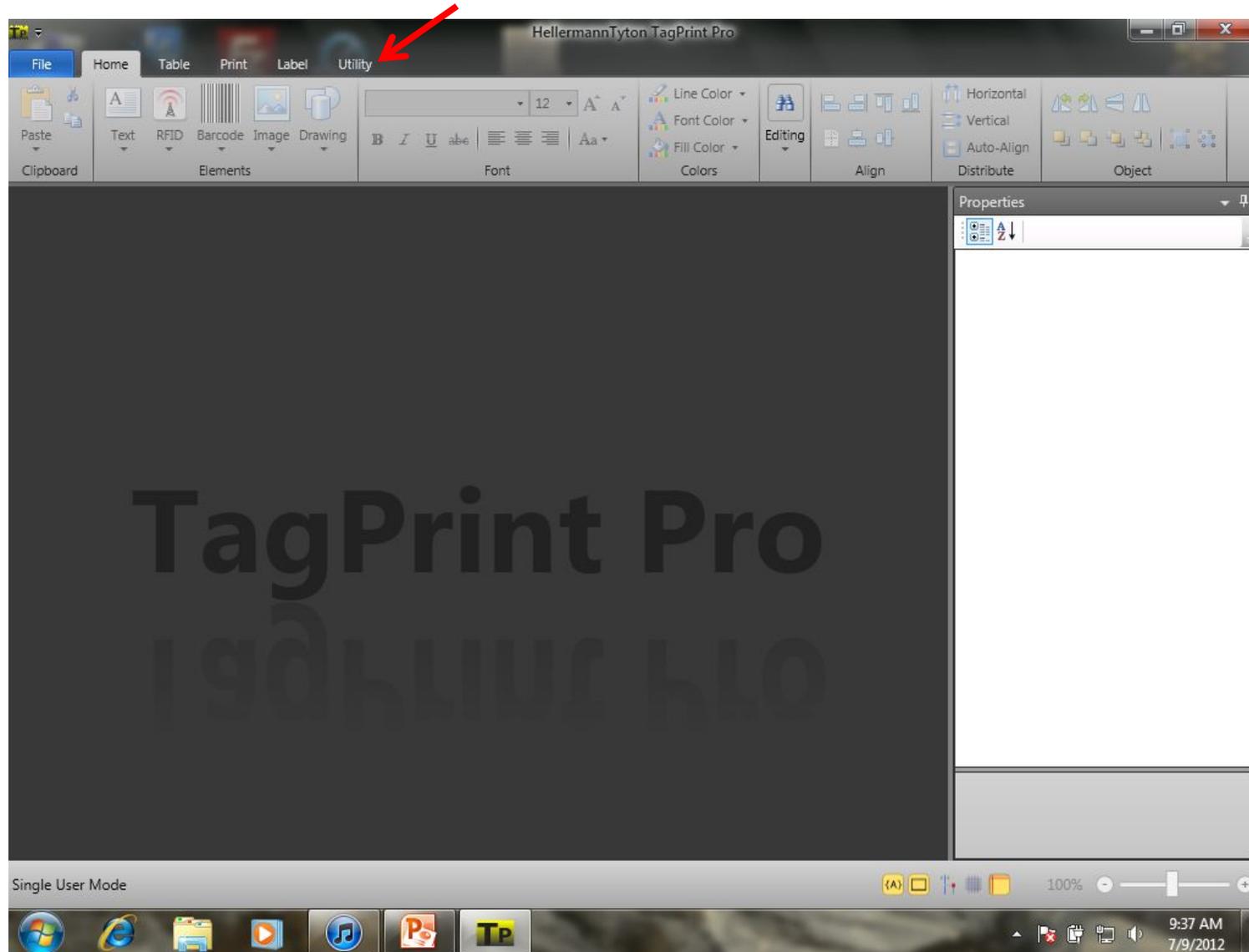
- The program will install.

NETWORK INSTALLATION



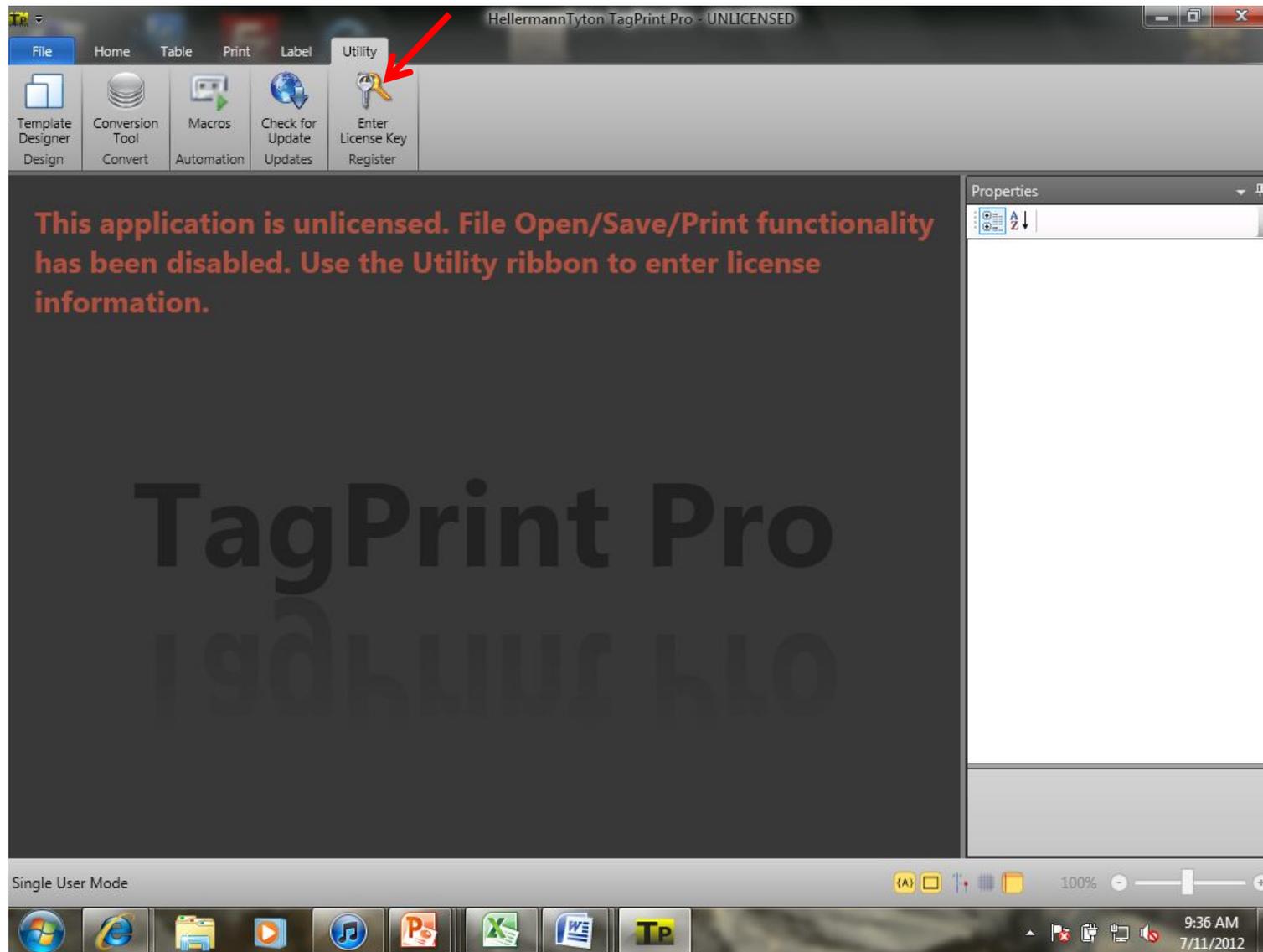
- Click FINISH.

Open the Program



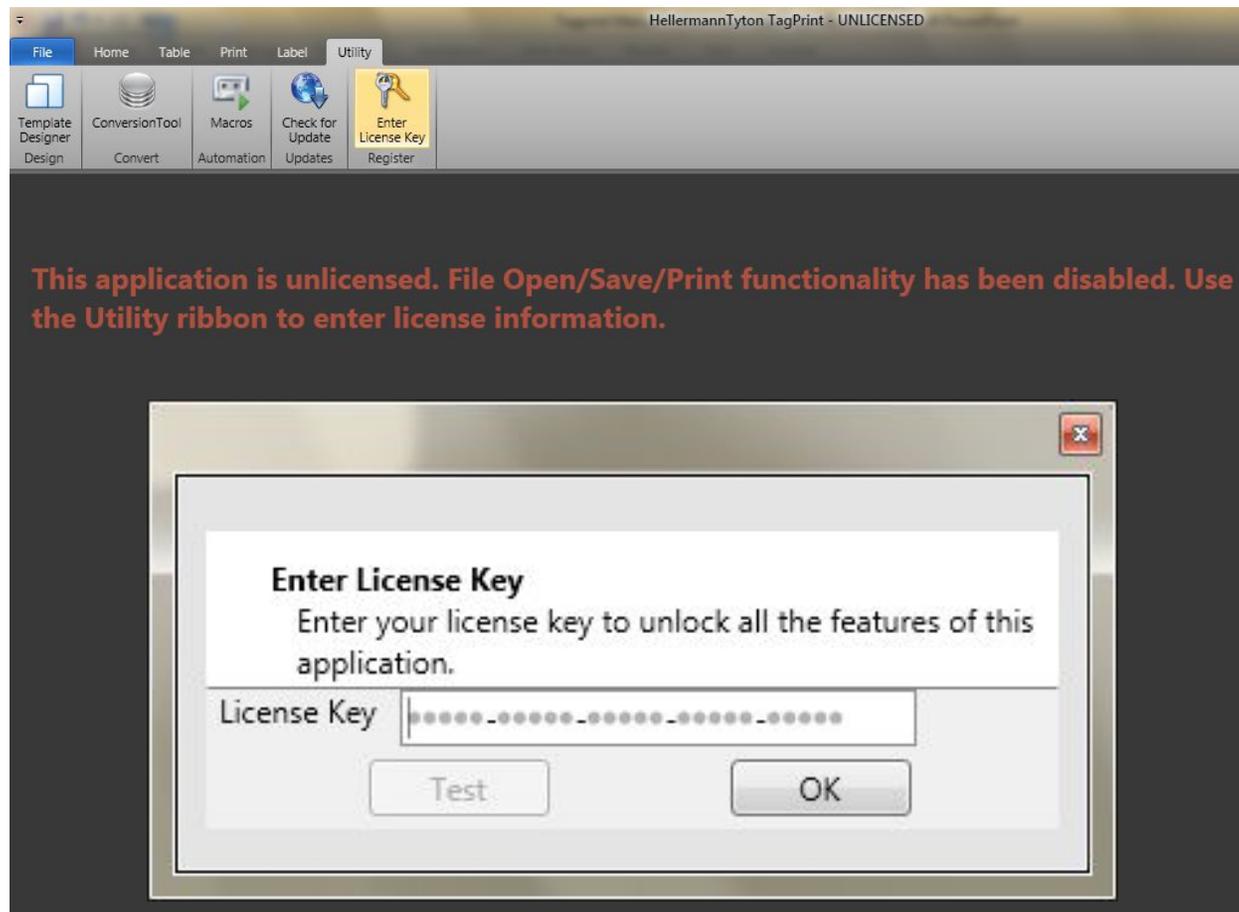
- Click on the UTILITY ribbon tab. Program is running in Single User Mode.

Enter License Key



- Click on ENTER LICENSE KEY.

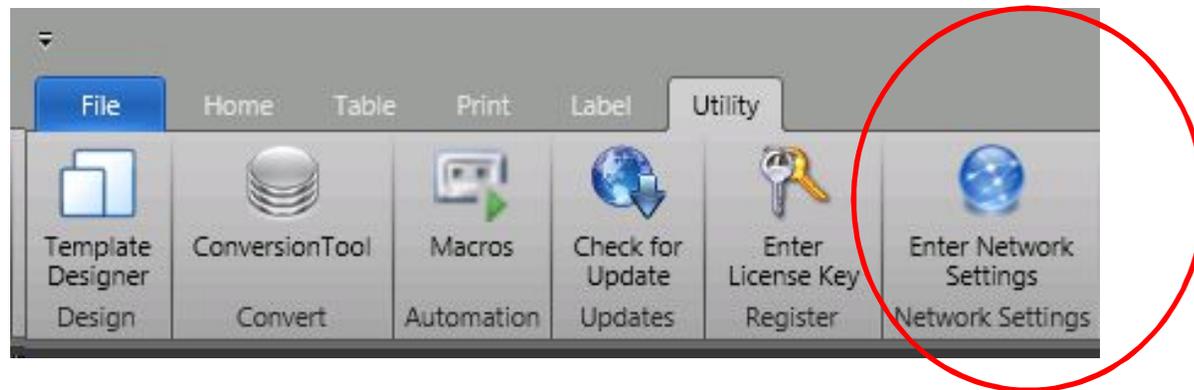
NOTE: Only a Network License Key will activate the network mode in Tagprint 4.0. Network licenses can be purchased from HellermannTyton.



Open Tagprint Pro 4.0 and go to the UTILITIES tab and then select ENTER LICENSE KEY. Enter your Network version serial key which you received from HellermannTyton. At this point you must close and re-open the program for the Network options to appear.

Setting up Tagprint on a network server.

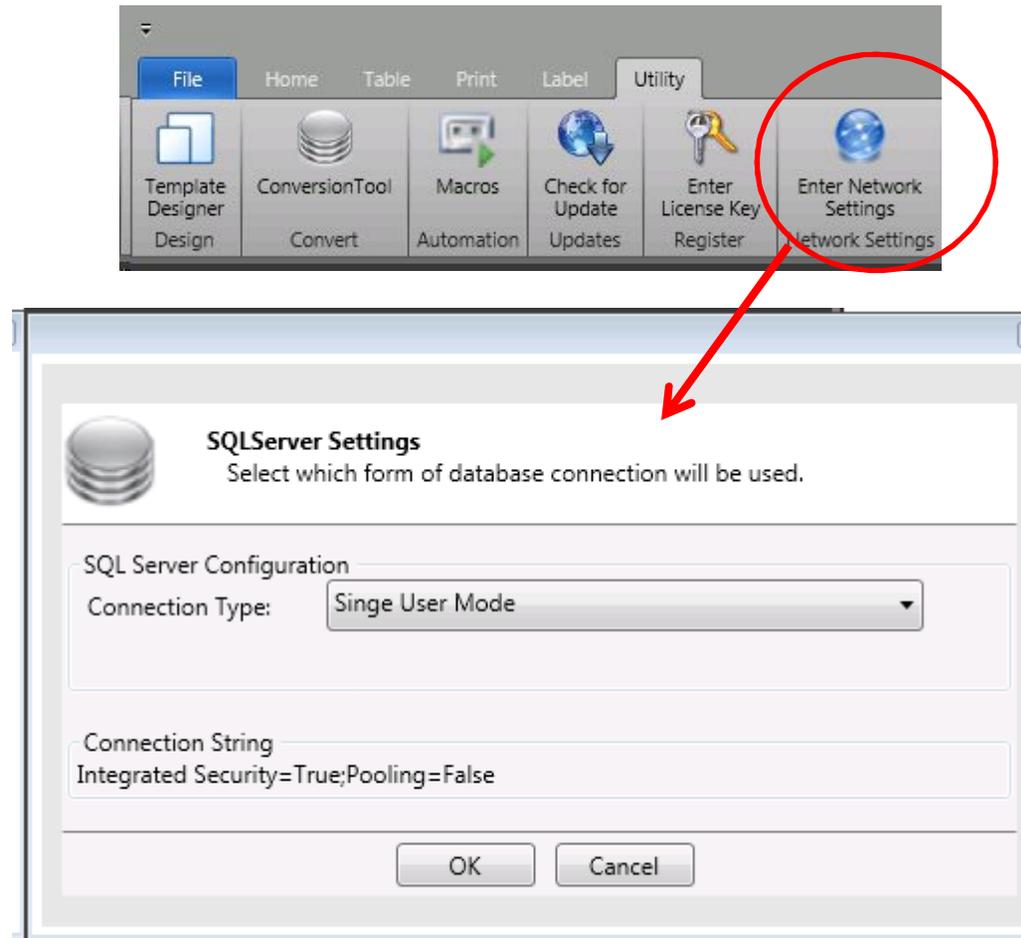
Close Tagprint Pro and then Re-Open Tagprint Pro. Click on the Utility Ribbon Tab and notice a new icon.



In order to connect to a SQL server, Click on the ENTER NETWORK SETTINGS icon.

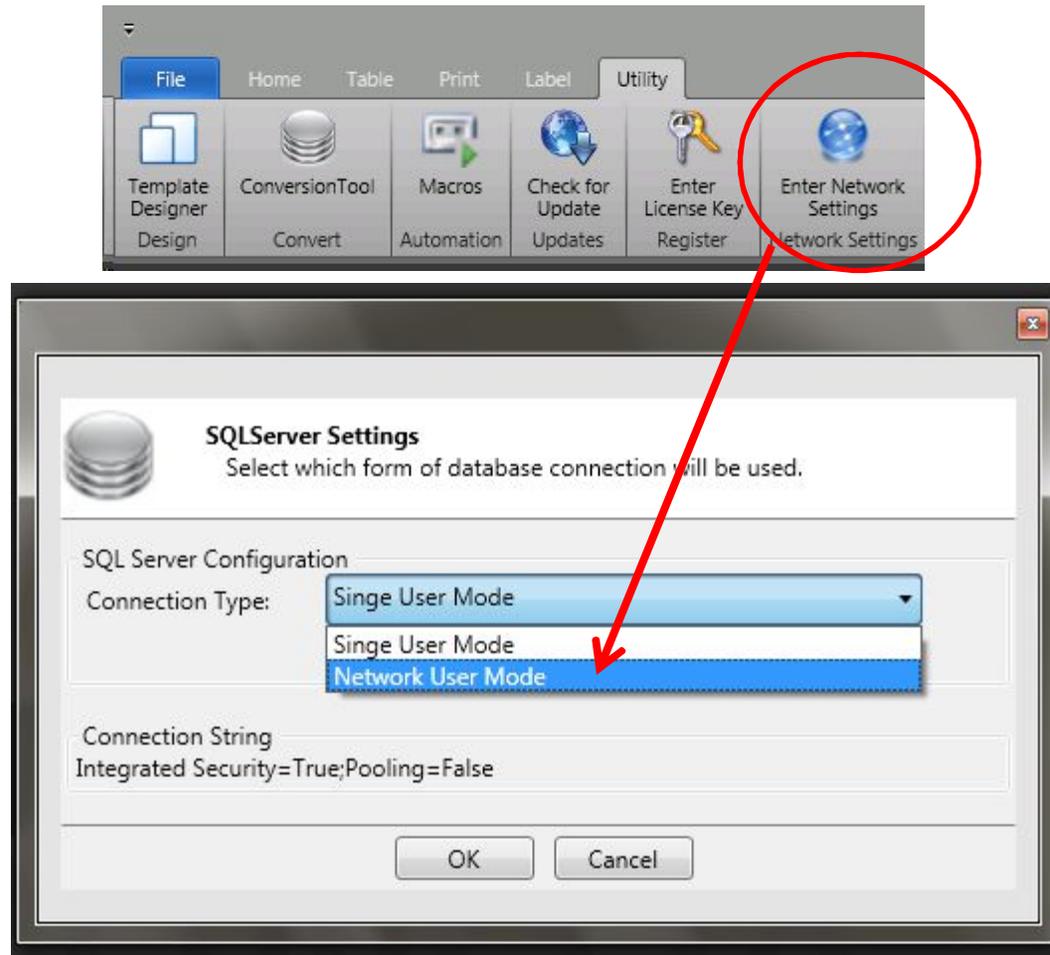
NOTE: A Network version of Tagprint Pro must be purchased and then activated with a Network version key.

Setting up your network connection.



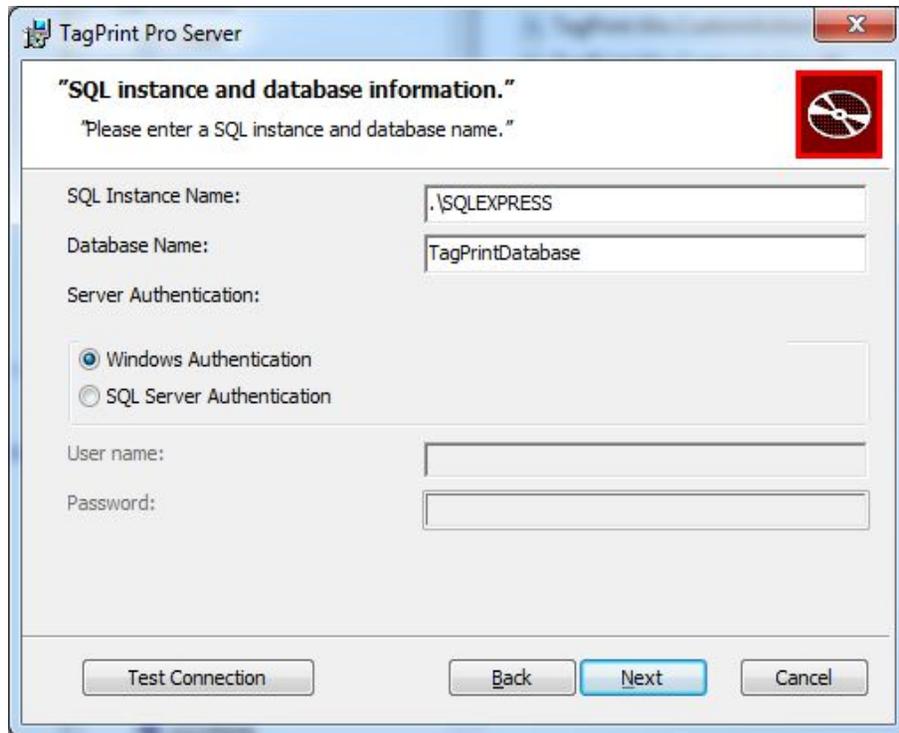
Click on the Network Settings icon and the following dialog box will appear which allows the user to switch between Single User mode and Network User mode order to connect to a SQL database on a server.

Setting up your network connection.



Re-Open Tagprint Pro 4.0 and click on ENTER NETWORK SETTINGS. Use the pull down menu and select NETWORK USER MODE.

NETWORK INSTALLATION



The screenshot shows a Windows-style dialog box titled "TagPrint Pro Server" with a close button (X) in the top right corner. The main title is "SQL instance and database information." and the subtitle is "Please enter a SQL instance and database name." There is a red icon with a white circle and a diagonal line through it on the right side. The form contains the following fields and options:

- SQL Instance Name:
- Database Name:
- Server Authentication:
 - Windows Authentication
 - SQL Server Authentication
- User name:
- Password:

At the bottom, there are four buttons: "Test Connection", "Back", "Next" (highlighted in blue), and "Cancel".

Identify the specific installation and instance of SQL Server which will receive the TagPrint Pro Server database files.

SQL Instance Name: The computer name and SQL database instance which will hold the TagPrint Pro database. It is recommend to run the install on the server machine and the Server Name will appear as the default. It is important to properly identify the server Instance name in this field as well.

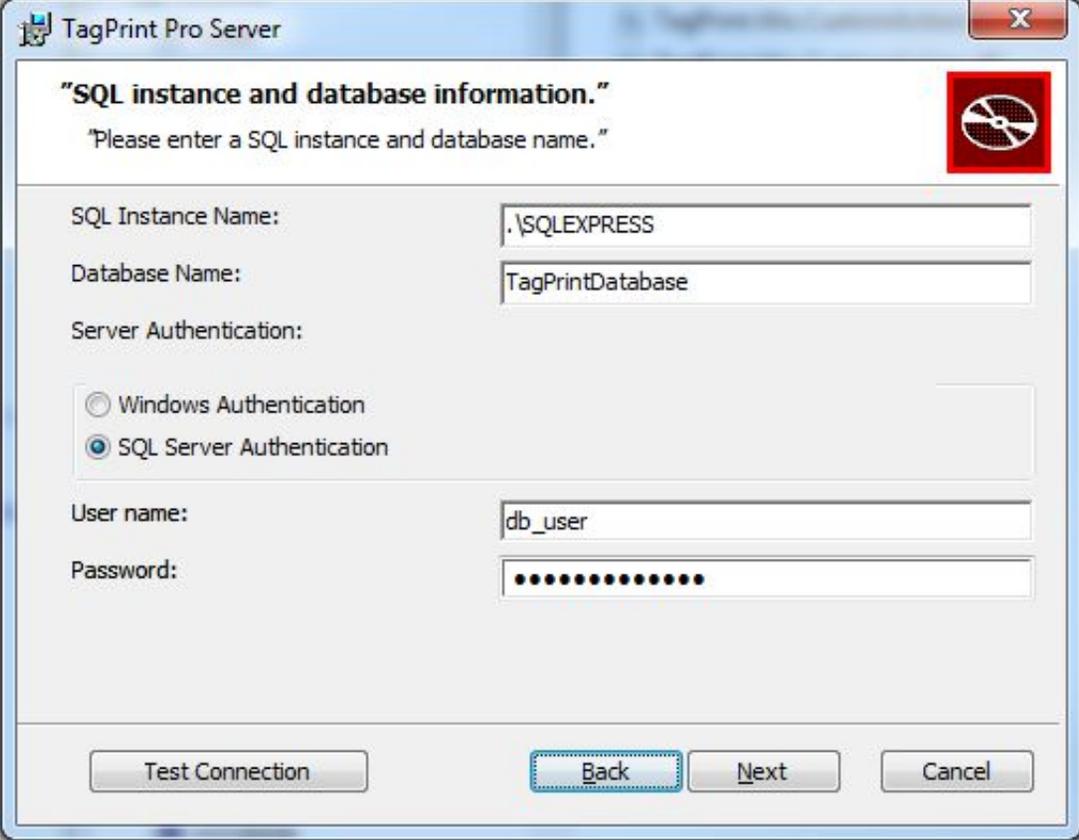
Database Name: This is the name that the TagPrint Pro database will be created as in this SQL Server instance. It is recommended to maintain the default TagPrintDatabase.

Server Authentication: Credentials for a user which ATTACH rights to the SQL Server Instance must be provided.

Windows Authentication: Uses the currently logged in user's Computer/Domain account
SQL Server Authentication: Uses a SQL Server configured user account (i.e., sa).

Press the **Test Connection** button to validate the settings for the SQL Server before continuing. Press Next to continue.

NETWORK INSTALLATION



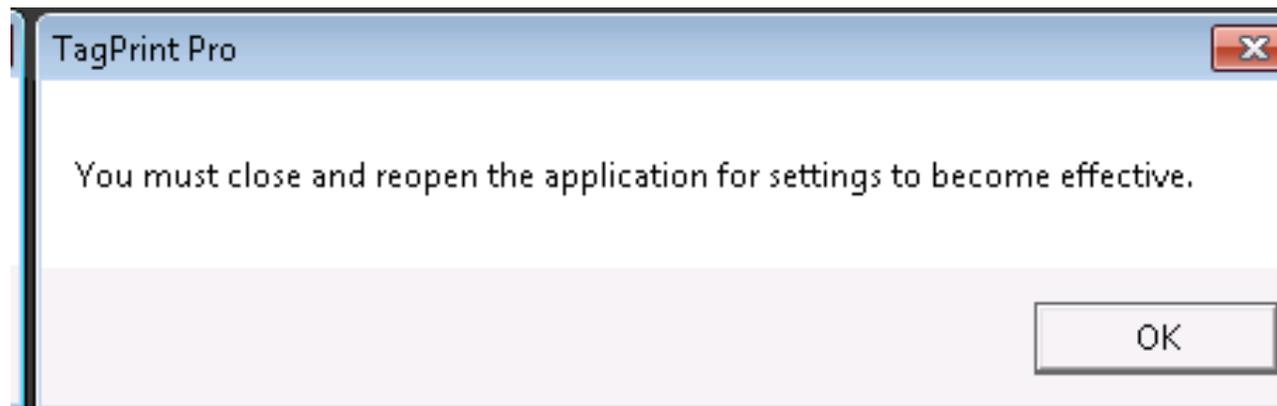
The screenshot shows a Windows-style dialog box titled "TagPrint Pro Server". The main heading is "SQL instance and database information." with a sub-instruction "Please enter a SQL instance and database name." and a red CD-ROM icon. The form contains the following fields and options:

- SQL Instance Name:
- Database Name:
- Server Authentication:
 - Windows Authentication
 - SQL Server Authentication
- User name:
- Password:

At the bottom, there are four buttons: "Test Connection", "Back", "Next", and "Cancel". The "Back" button is highlighted with a blue border.

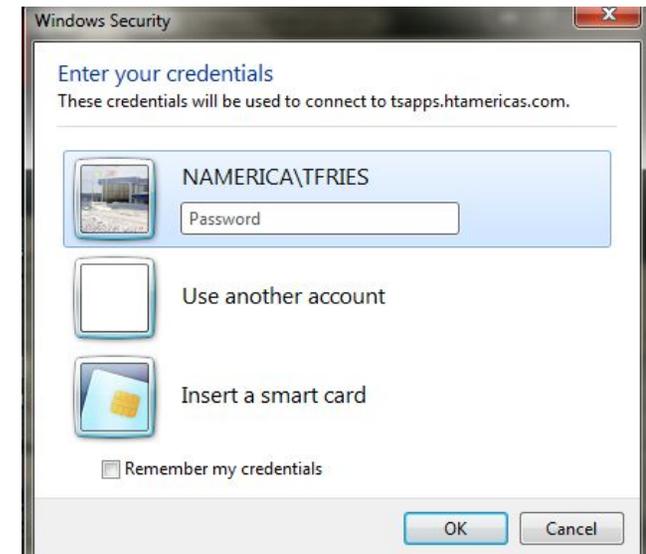
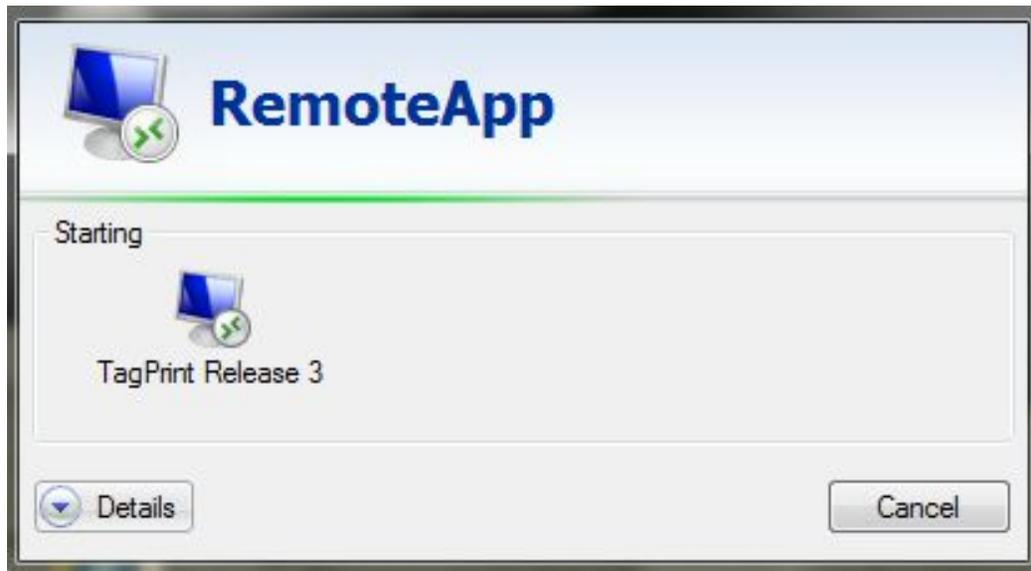
(Example using SQL Server Authentication)

Setting up a your network connection



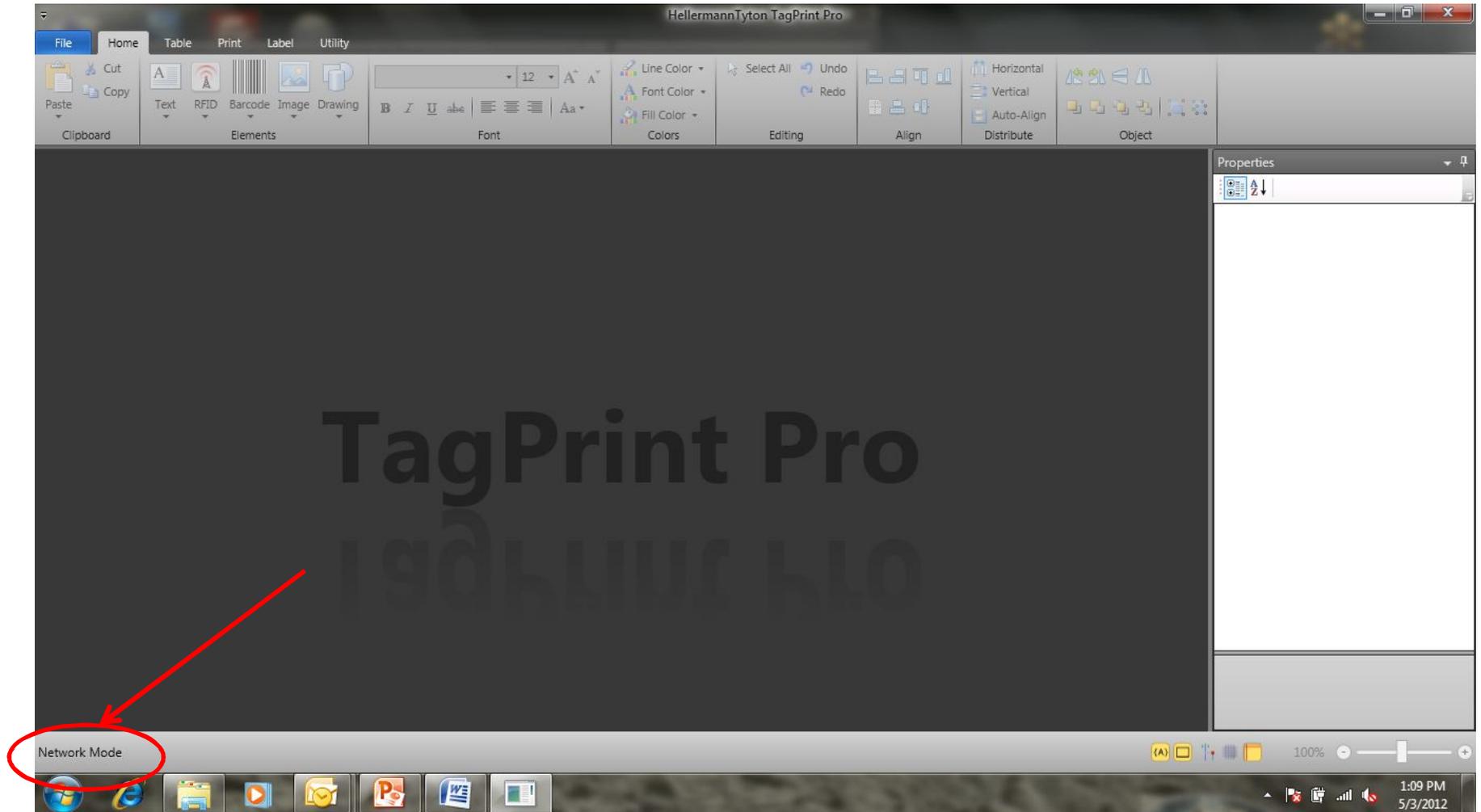
The settings must be tested in order to get the OK button to enable. This ensures a connection to the database and that the database will correctly connect at the next restart. Then it will run in network mode.

Running Tagprint Pro in Network Mode.



- When re-starting Tagprint Pro in this mode, the user will see this application appear and may be required to log in with their computer user name and password.

Running Tagprint Pro 3.0 in Network Mode.



Upon restart, the lower left hand side of the user interface should show that the program is running Network Mode.

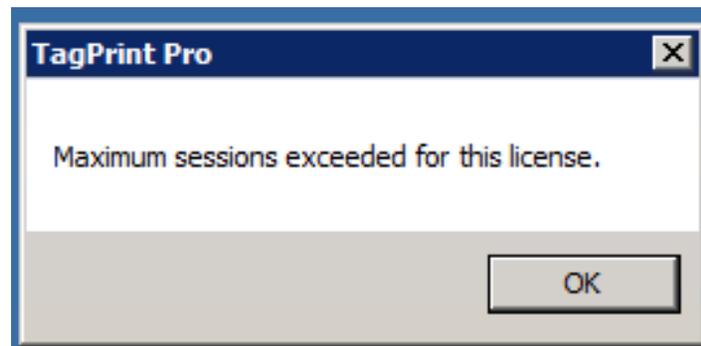
Running Tagprint Pro 3.0 in Network Mode.

Tagprint Pro 4.0 runs concurrent sessions.

When each user logs on for the first time, they will have to enter the Network Serial Key to activate their program.

Tagprint Pro is sold in various Network packages. If a 5 Network package is purchased, then up to 5 users can access and run Tagprint Pro at the same time and have common access to saved label designs and printers.

When the maximum number of licenses have been reached, then the following message will appear if a user attempts to open a sixth program.



Setup Network user.

- Tagprint Pro 4.0 must be installed on a terminal server as a terminal server application. The desktop computer or laptop that will have access to the program must point the user to the Remote Desktop Protocol (RDP) application. The program is launched from this point.
- If Tagprint Pro does not remove the database file, it can be removed using SQL Server Management Studio. This should be done by an authorized Data Base administrator. The file is located in C:\users\public\documents>tagprint\data. Do not just delete file from the directory.

Trouble Shooting

- We have verified that we can install the database to SQL Server 2008 on a separate machine and install, license and connect a client instance of TagPrint Pro 3 over a network. A few items to consider are:
- Set the correct Server Name and SQL instance when choosing the server to install. Since the install copies the MDB and LDB files, this must be run on the SQL server machine.
- Use the test connection to validate the correct settings before installing with either integrated security (windows account) or mixed security (i.e., sa).
- The install drops the files on the sever and attaches the database. Verify with SQL Server Management Studio.
- Make sure you have TCP connections enabled for the server instance on the interface which you will use. Use SQL Server Configuration Manager. This is disabled by default.
- Make sure you allow remote connections to the SQL Server instance. Use properties of the server instance to verify this.
- Ensure the firewall port for TCP connections is open on the Server. Typically 1433.
- You must license the client with a valid server license – restart the application to enable the license and allow the network configuration item on the Utility ribbon tab..
- On the client you must test the connection in order to enable the OK button. The OK button WILL NOT enable unless the server connection test is successful. This should prevent users from making mistakes and then wondering why they cannot connect to SQL Server.
- Try appending the TCP port to the server instance portion of the connection string; <server>\<Instance>,<port> i.e., TAGPRINT\SQLEXPRESS,1433. It seems like the Microsoft SQL driver are getting more picky about this and require the port number to be included with the server instance.