WINDOWS AUTHENTICATION-
USING A TRUSTED
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In SQL Server, you have an option of using a Trusted Connection (also known as Windows Authentication) to authenticate to the database. This is done instead of a hard-coded SQL Server login (ex. "ats_user"). Usually, this option is considered more secure. This document provides the steps to modify the software to use a trusted connection.

WIRELESS HANDHELD APPLICATION

If you are using wireless handhelds, these currently do not support a trusted connection. The SQL Server user account is hard-coded and must be set up on the server.

PC APPLICATION

The PC application can be modified to use a trusted connection by editing the INI file in the application folder. For ATS, for example:

1. Edit the win_ats.ini file, and add the following line under the {settings} section:
    a. Trustedconnection=Yes
2. Our newer software offers to use a trusted connection on the database connection screen within the application.
    a. Check "Use Trusted Connection"
    b. Select "OK"
3. Follow the instructions in the SQL Server section to add the user(s) or group(s) to SQL Server.

WEB PORTAL

The web portal configuration is slightly more involved. Since the portal runs under an application pools, this identity must authenticate to the SQL Server.

1. Add a new local or domain user account
2. In IIS, right click the application pool ("ATSAppPool") and click Advanced Settings.
    a. Under Process Model, click "Identity", and click "…" button.
    b. Select the account to the one you created in step 1
    c. Click "OK"
3. Give the folder security permissions for the user.
    a. The user needs read rights to main application folder (D:\Data\Web\ATS)
    b. The user needs modify rights to the tempReports (D:\Data\Web\ATS\tempReports)
4. Edit the web.config file in the main application folder with Notepad.
    a. Edit the line in the <connectionStrings> section by removing the User ID and Password portions, and adding Trusted_Connection=Yes.
5. Follow the instructions in the SQL Server section, below, to add the user to SQL Server.

SQL SERVER

1. In SQL Server Management Studio, create a new login.
    a. Set the login name to the Windows user account or group that the user(s) belong to, or that you created for the web portal. Leave Windows authentication selected.
    b. Follow the remaining steps for creating the user for your application. For ATS, for example:
        i.   Set the default database to win_ats. Before saving, continue to next step.
        ii. Under User Mapping, in the top box, check the "Map" checkbox next to the win_ats database. In the bottom box, check to set database role memberships of db_datareader and db_datawriter.
        iii. Click OK to save the login.