MONITOR

Laundry Monitor

Installation and User Guide

www.monitorbm.com

Laundry Monitor Installation and User Guide

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Introduction

Laundry Monitor is a web page that allows a user to view available laundry machines at any time.

The default location for the web site is http://ServerName/LaundryMonitor. however this can be manually configured as required.

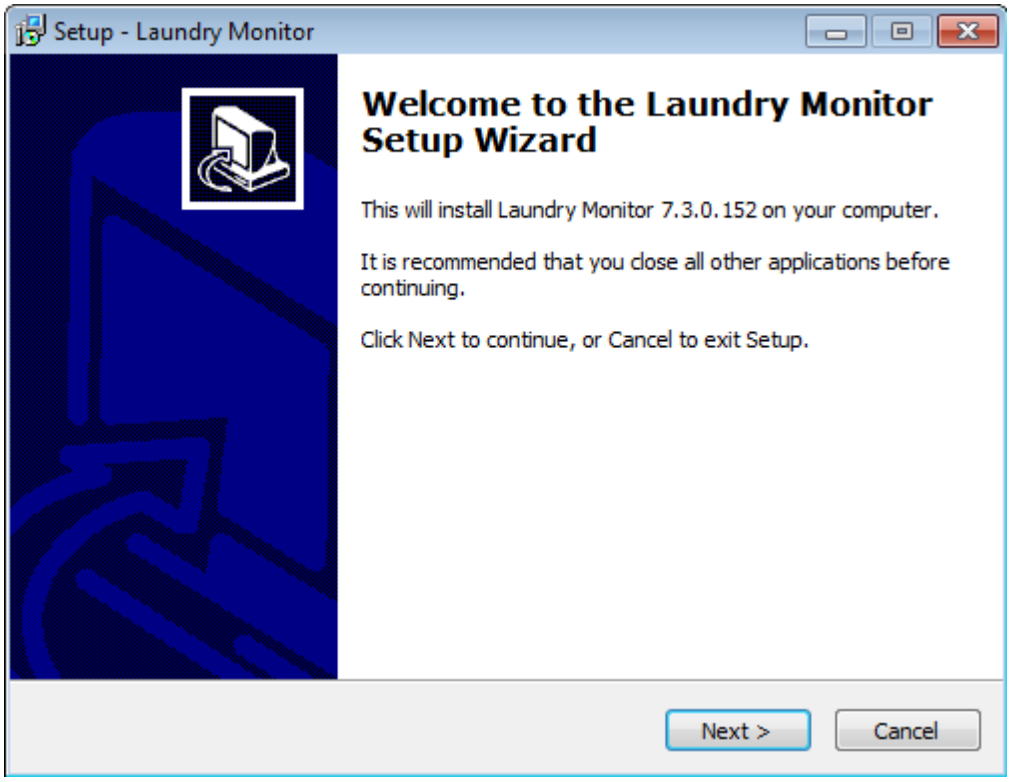
Product Requirements

The product requires the following:

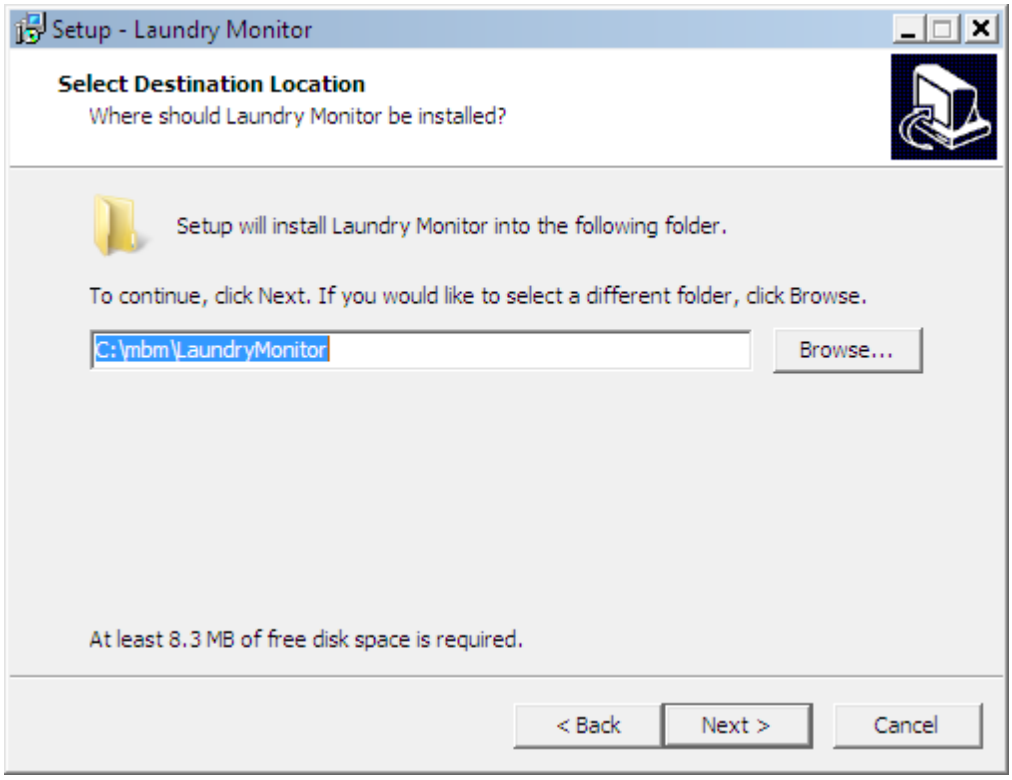
- Windows 7 or later OS
- Supervisor Net 7.3.0 or later
- 1 x LWV - Laundry Monitor Supervisor Net registration

Installing the Laundry Monitor Website

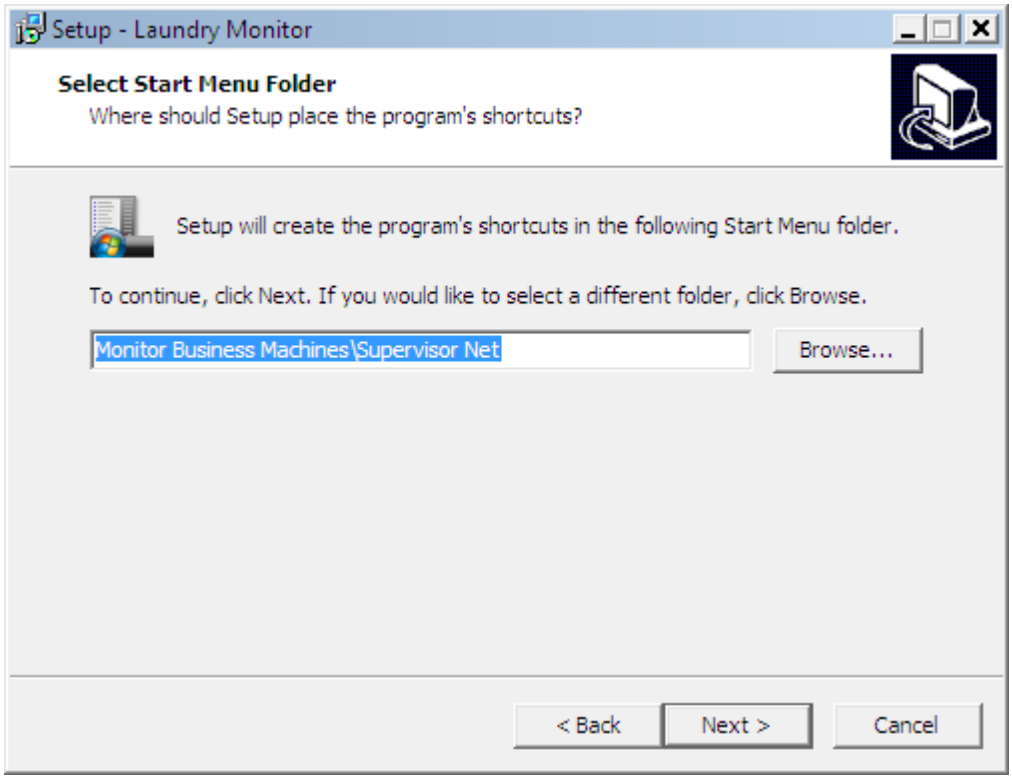
Run the setup file *Laundry Monitor Setup.exe.*



Click *Next* to continue.



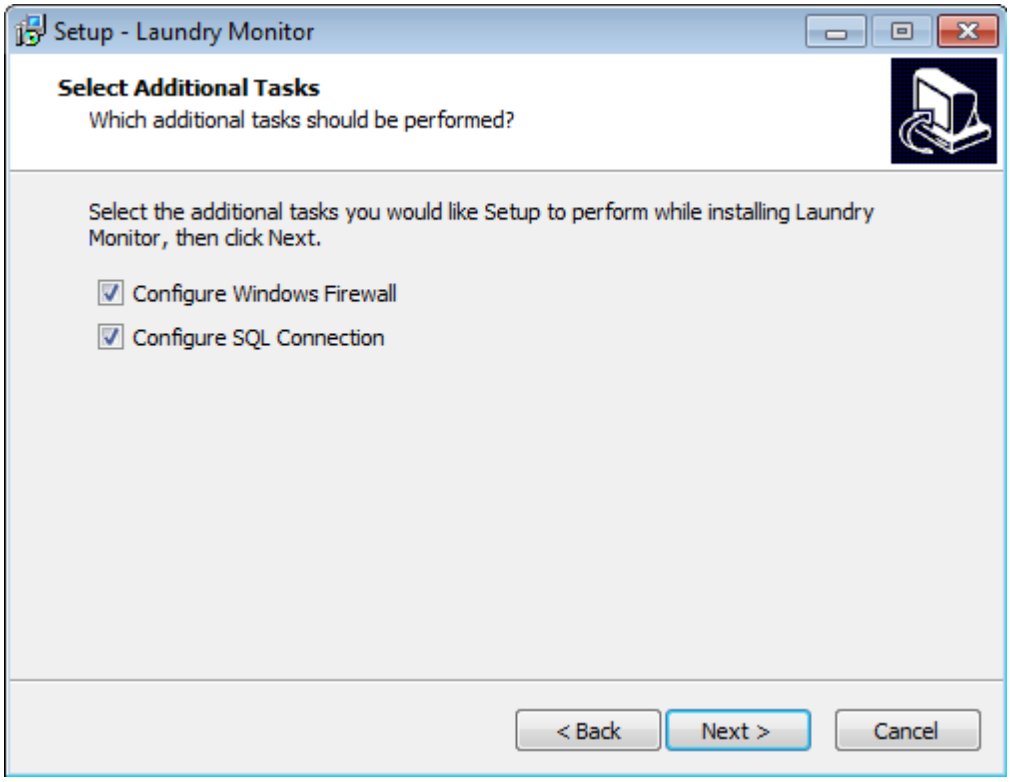
During the installation process, you can choose to install the files to a different location or as recommended.



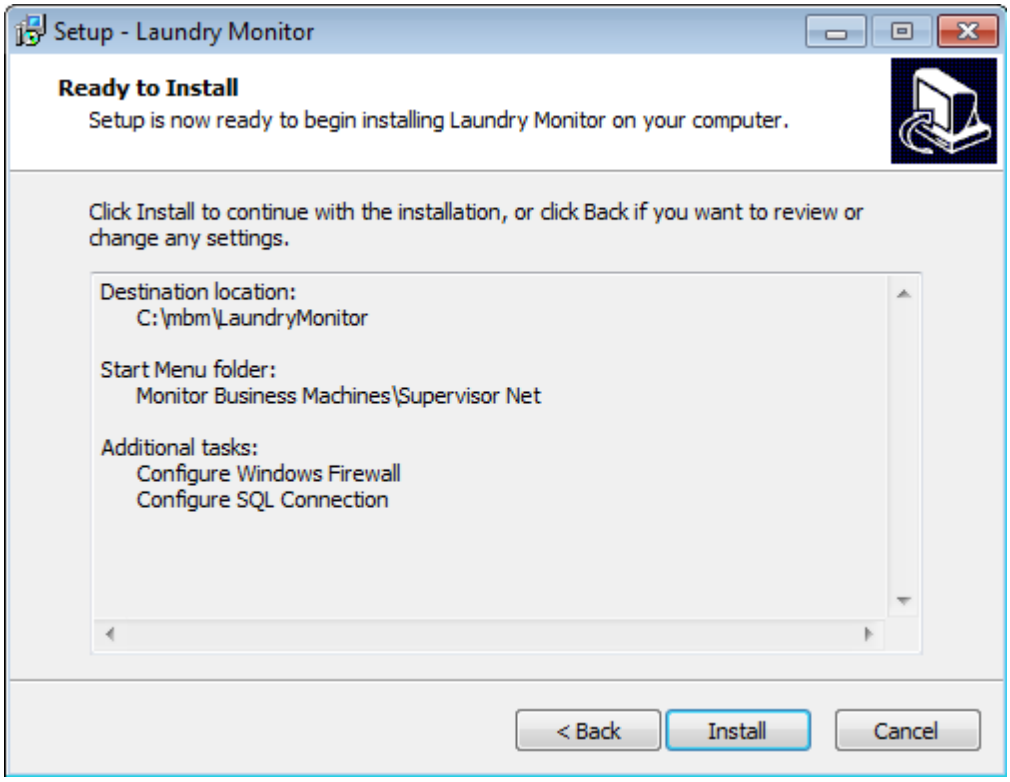
By default the setup will be saved in the Supervisor Net folder. Select *Next* to continue.

Tick the following additional tasks to allow the wizard to automatically configure Firewall settings, Server and SQL Connection settings.

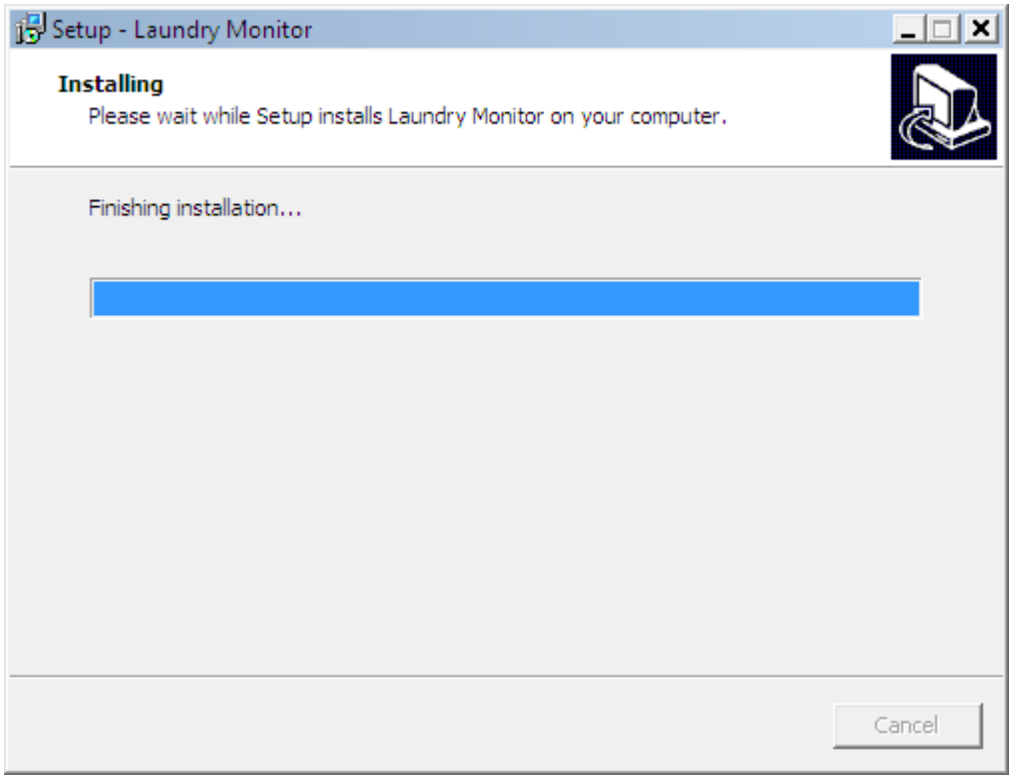
- It is recommended that *Configure Windows Firewall* and *Configure SQL Connection* both be ticked..



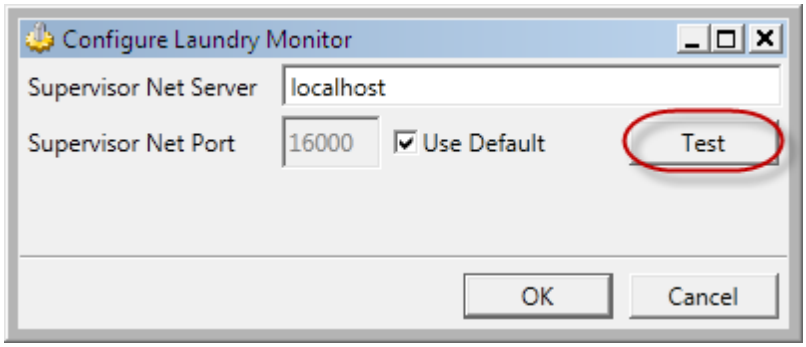
By ticking *Configure Windows Firewall*, the wizard will automatically create the firewall security of Inbound and Outbound rules for window firewall with the Laundry Monitor software.



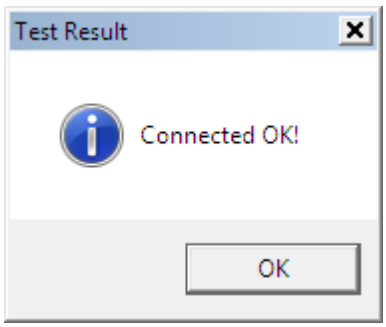
Select *Install* to continue.



When prompted by the Configuration pop-up click on *TEST* to check that the default setting is connection is working.



Click on *OK* once successful connection is confirmed.



Click on *Finish* to complete the Setup Wizard.

SQL Configuration Wizard

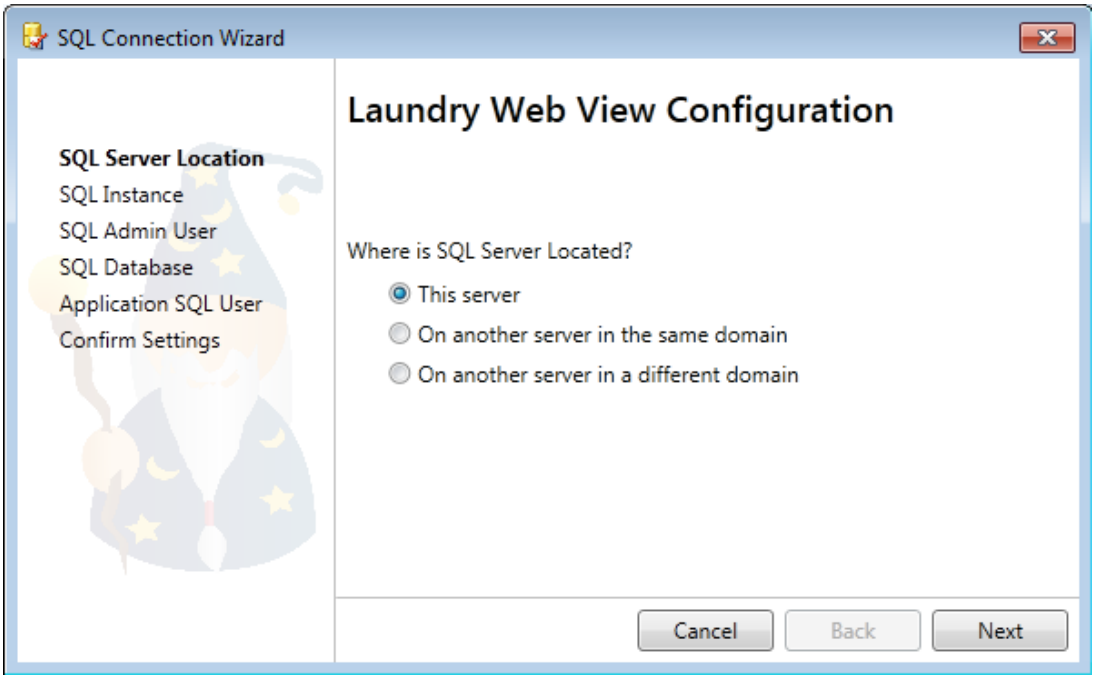
The Monitor SQL Configuration wizard walks you through the process to connect to the SQL database.

SQL Server Location

Choose the server that SQL Server is installed on. Note that for this to work, the firewall on the SQL Server must be configured correctly, the SQL browser service should be running, and SQL Server configured to allow incoming connections.

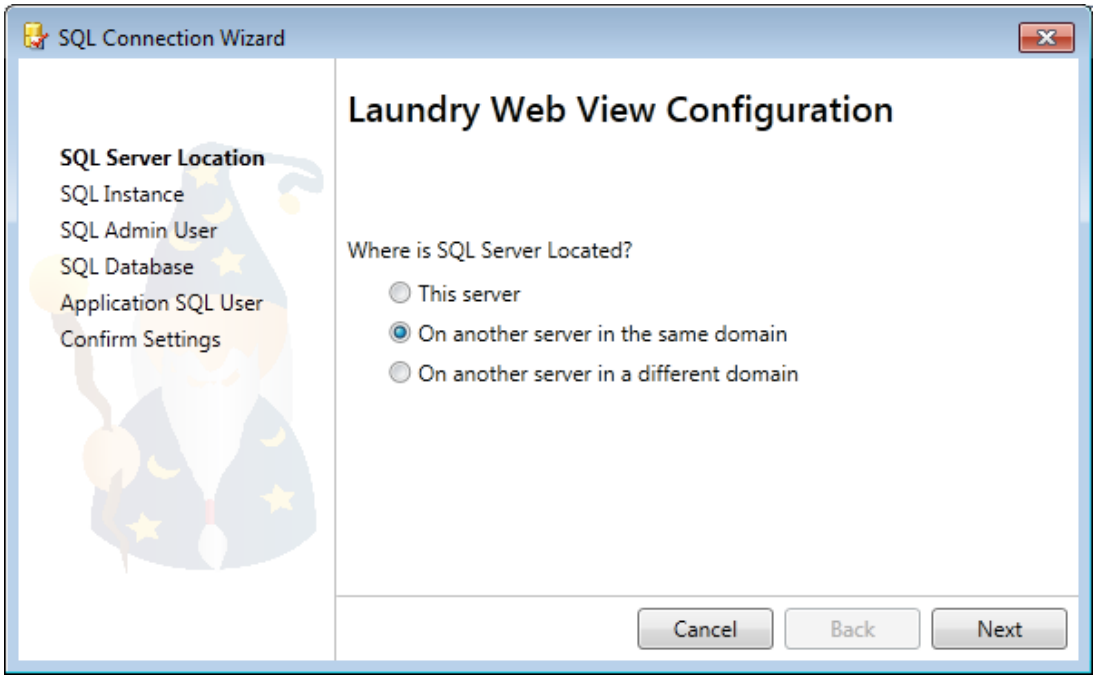
This Server

Tells the wizard that SQL Server is running on the same server as the Laundry Monitor web site.



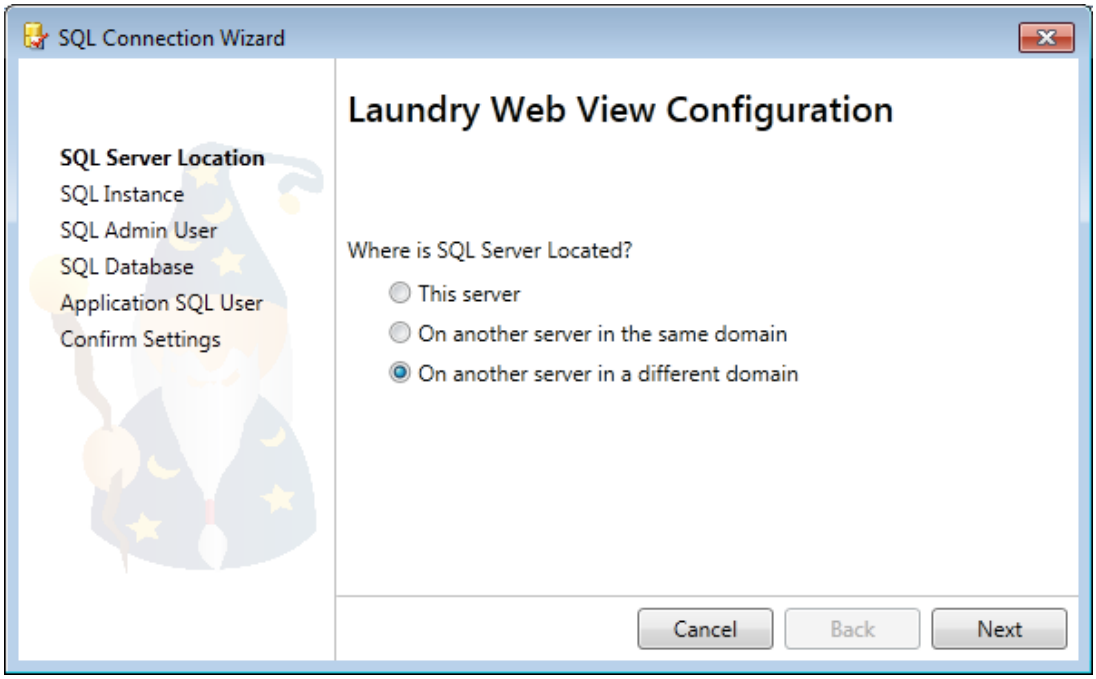
On another sever in the same domain

If this option is chosen, connection to SQL Server via Trusted Authentication as well as SQL Authentication will be possible.



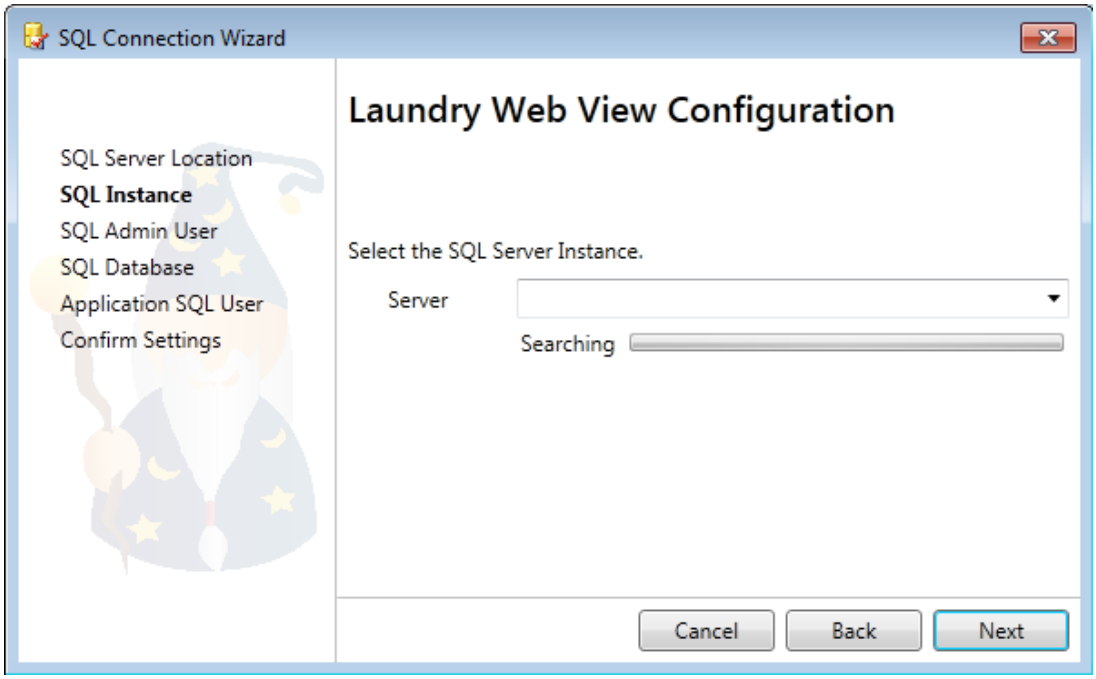
On another server in a different domain

If this option is chosen, only connection to SQL Server SQL Authentication will be possible.

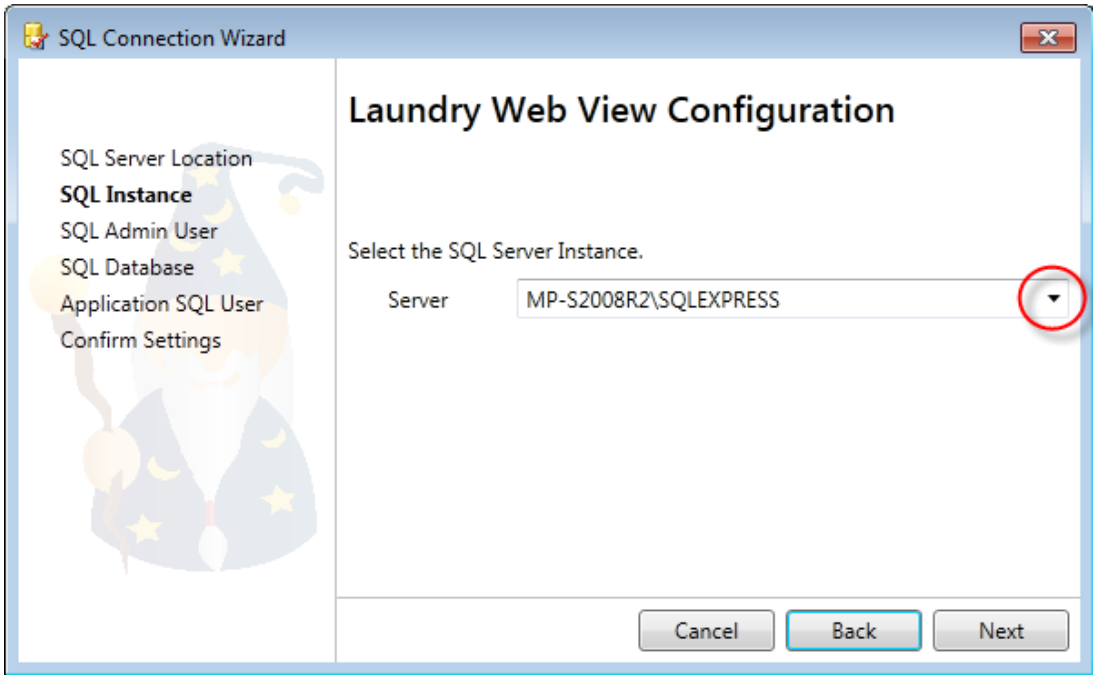


SQL Instance

The wizard will automatically populate the name of the Server into the field if the same server was selected earlier.



If SQL Server is on another server, select the correct server from the drop down box. If for some reason your server and instance is not detected, type the value in manually.



Click *Next* to continue.

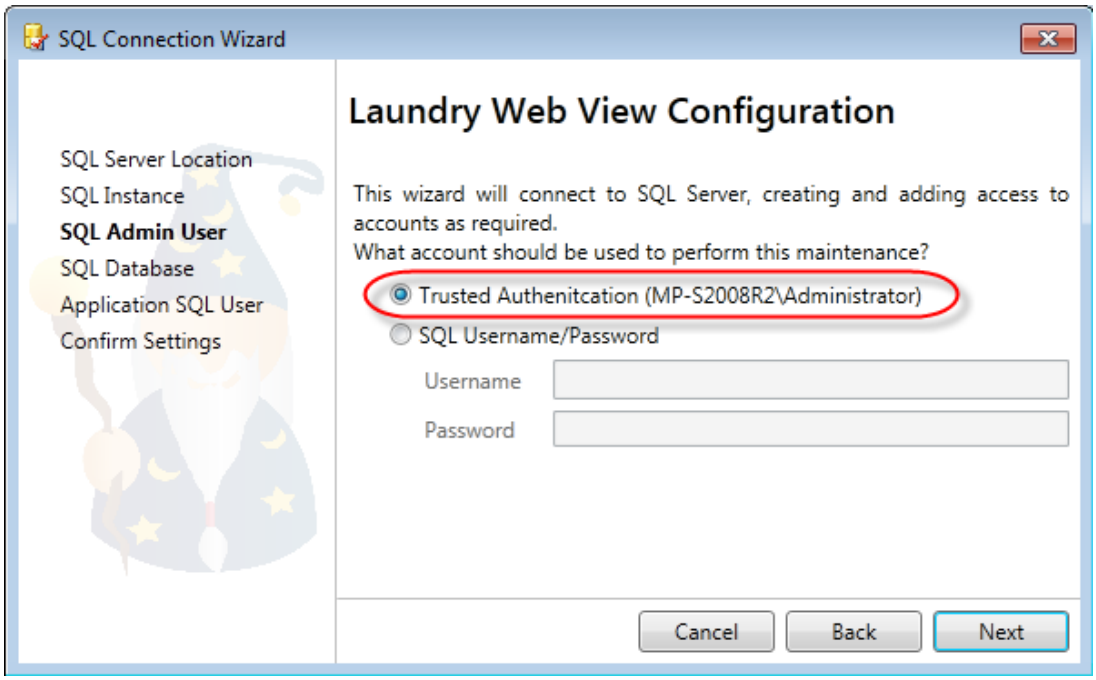
SQL Admin User

You will then be prompted to choose an account to perform maintenance. This account will be used by the wizard to connect to SQL server and perform any updates necessary, such as creation of accounts and adding the correct permissions to those accounts. This is **not** the

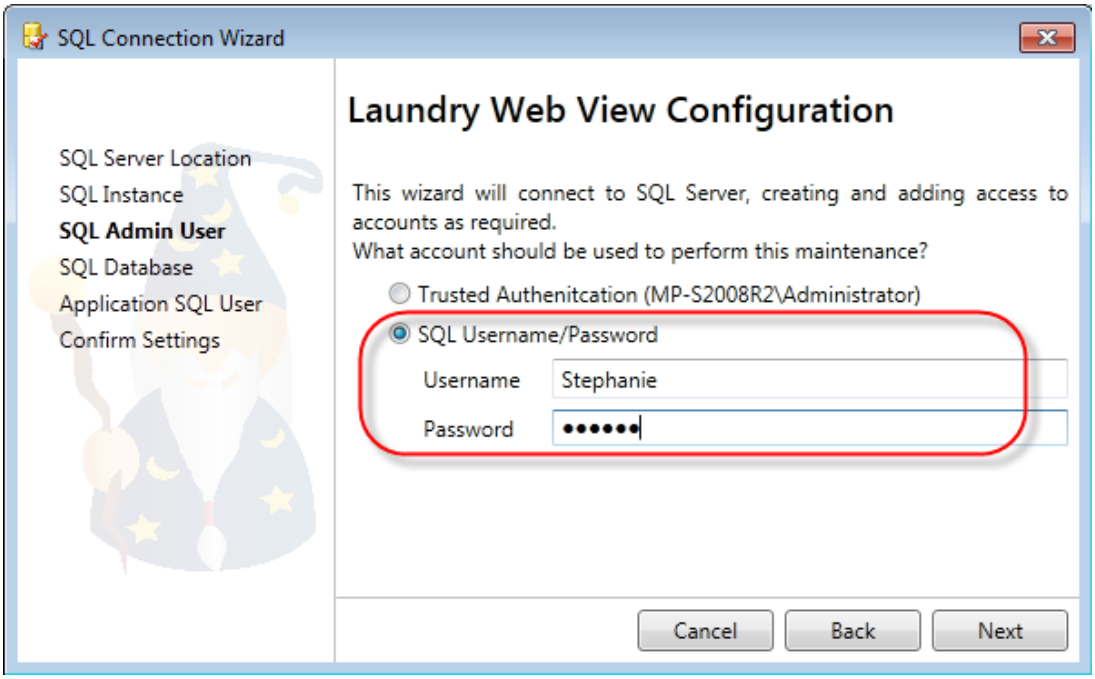
account used by the application during normal operation. That account is chosen later on.

Trusted Authentication - The account currently logged into the PC will be used to connect to SQL Server. If this option is used, you have to ensure that your current login has 'DB Owner' rights to the SupervisorNet database.

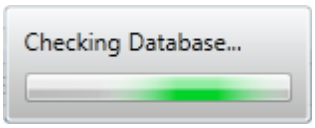
This option will appear grayed out if you selected On another server in a different domain in the SQL Server Location step earlier on.



SQL Username/ Password - This allows you to use an existing SQL account Username and Password for maintenance access. This account must have 'DB Owner' rights to the SupervisorNet database.

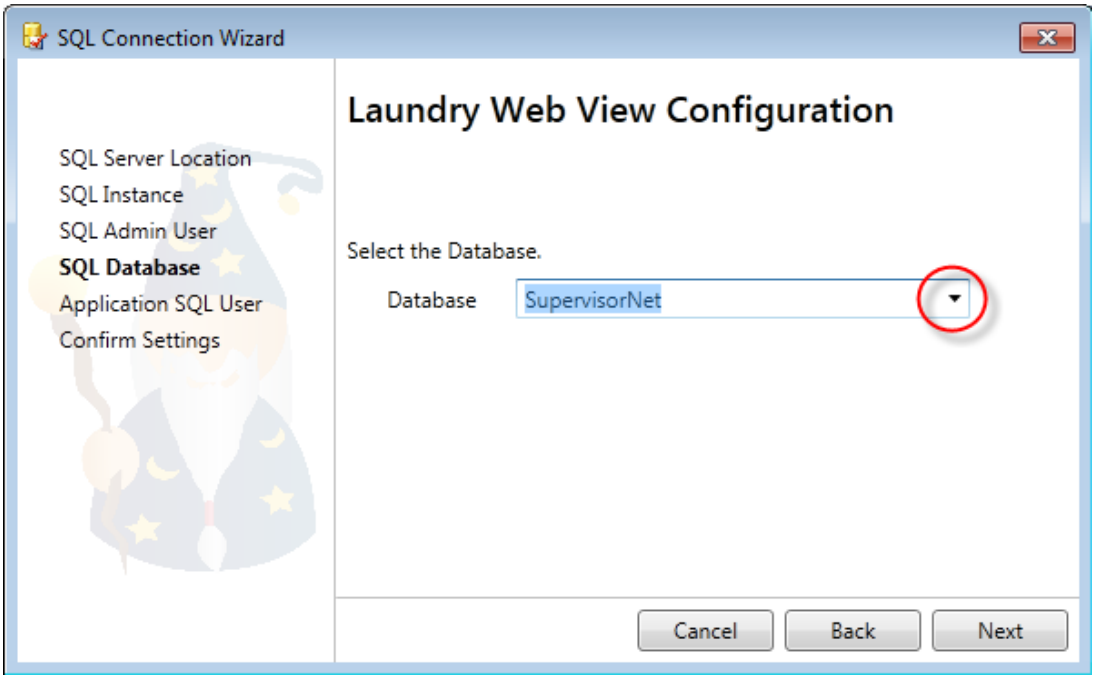


The wizard will then proceed to validate the credentials before proceeding.



SQL Database

Select the desired Supervisor Net database from the drop down menu, then click *Next* to continue.

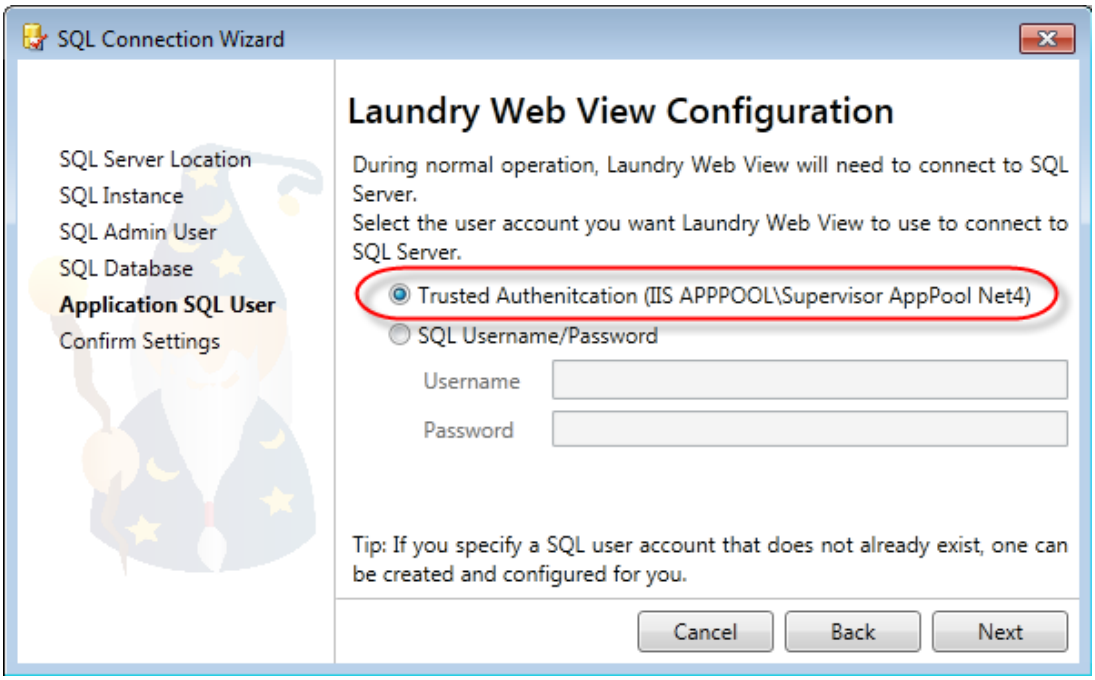


Application SQL User

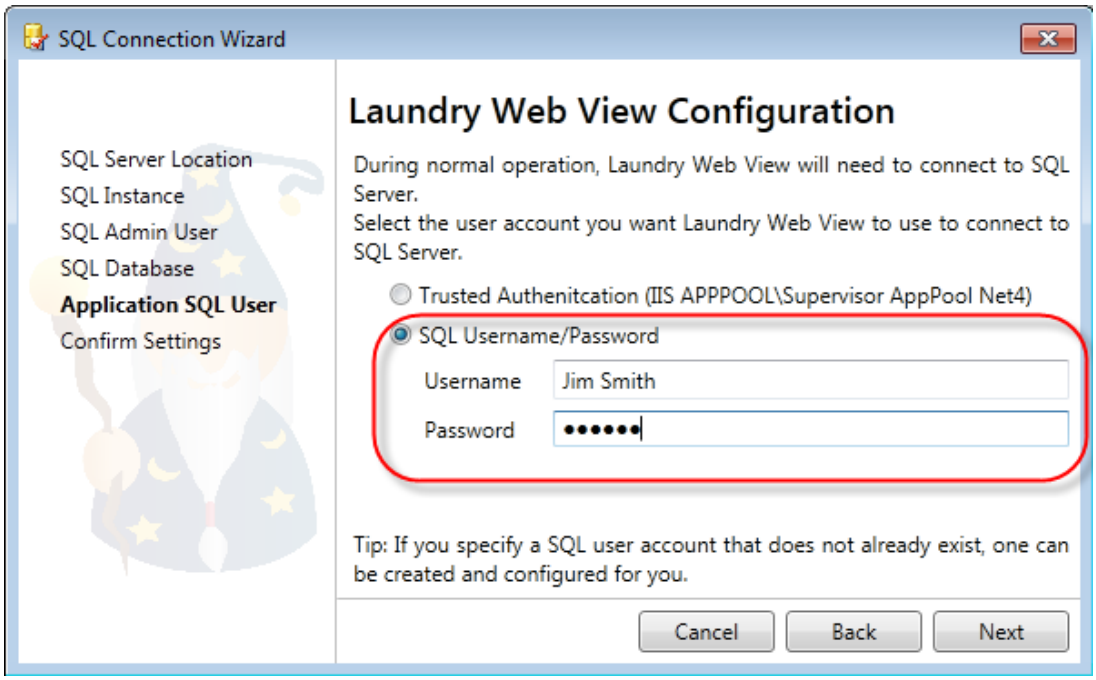
This is the account that will be used by the application during normal operation. As this is a web application, the account used will be determined by the configuration of the application in IIS. The wizard will by default use the IIS APPPOOL account for the application pool.

Trusted Authentication - Will automatically configure SQL Server to grant access to the IIS APPOOL\Supervisor AppPool Net4 account (If installed on the same server as SQL Server), or the domain\machine$ account if SQL is on a separate server in the same domain.

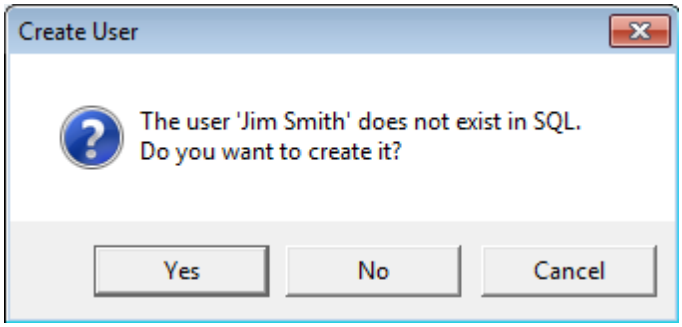
This option will appear grayed out if you selected On another server in a different domain in the SQL Server Location step earlier on.



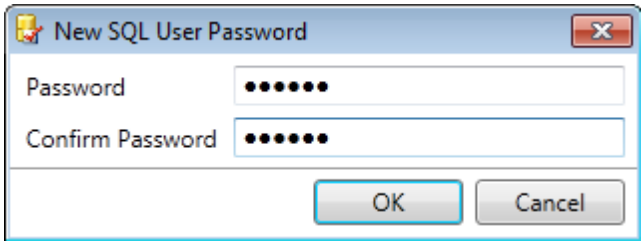
SQL Username/ Password - This allows you to enter a SQL account Username and Password.



If the account does not already exist, the wizard will give you the option of creating it.



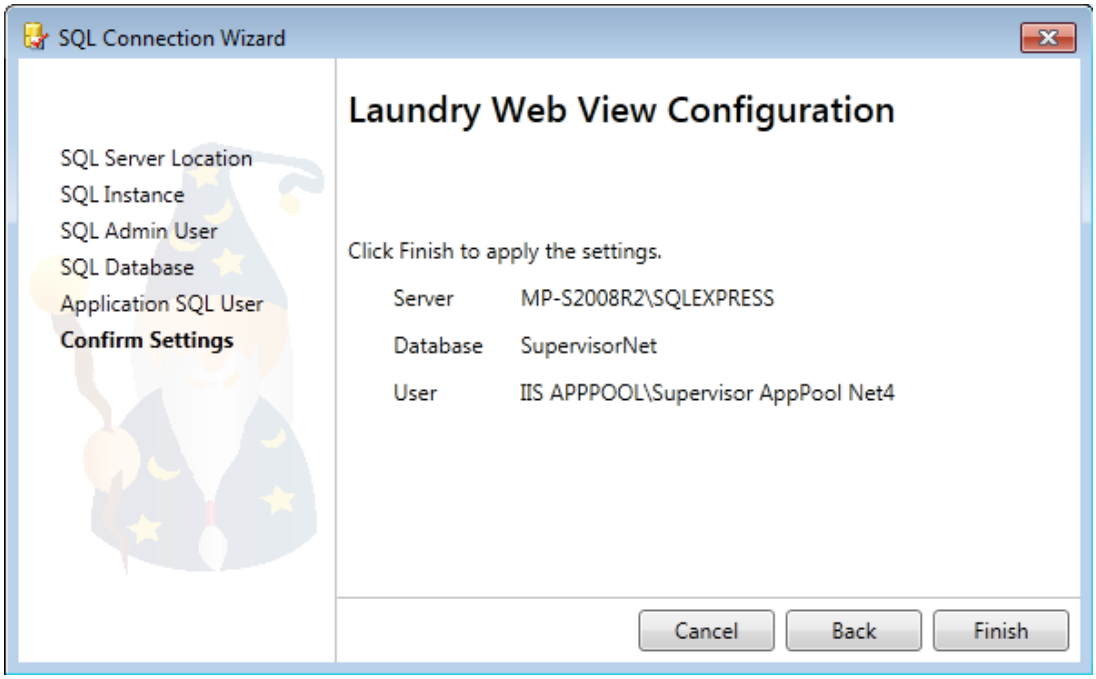
When prompted re-enter the new SQL user password then click *OK*. The wizard will automatically create this user account in SQL with the correct permissions.



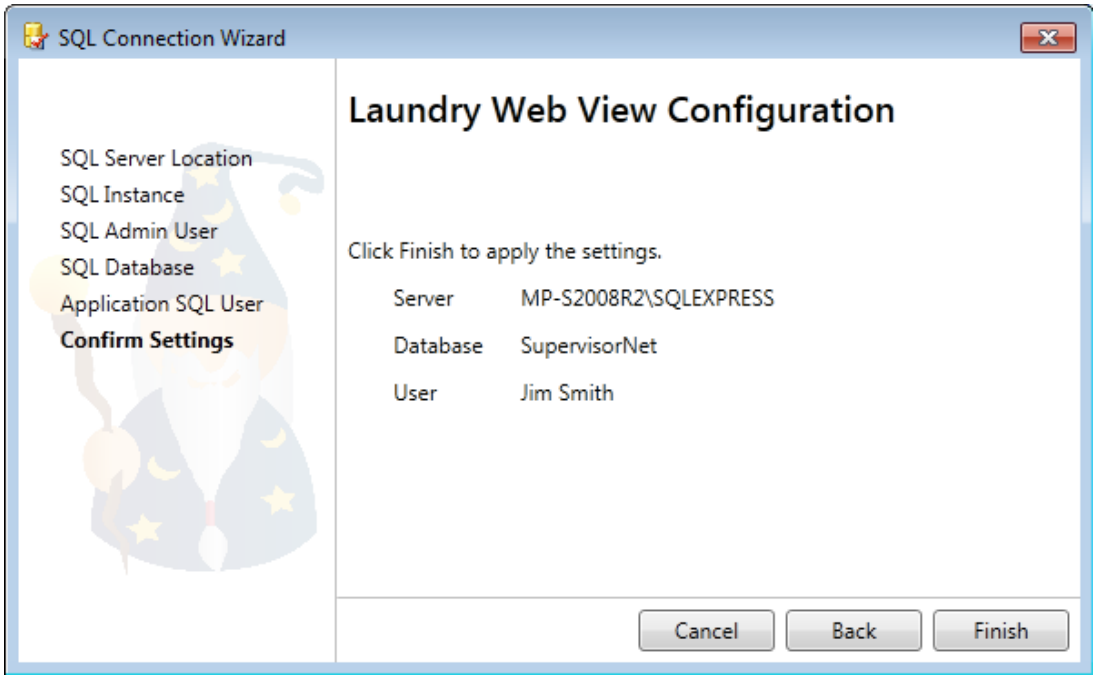
Confirm Settings

At the completion of the wizard steps a confirmation will be displayed showing the Server, Database and User that Laundry Monitor will connect to SQL.

Example of Trusted Authentication



Example of SQL Username/ Password

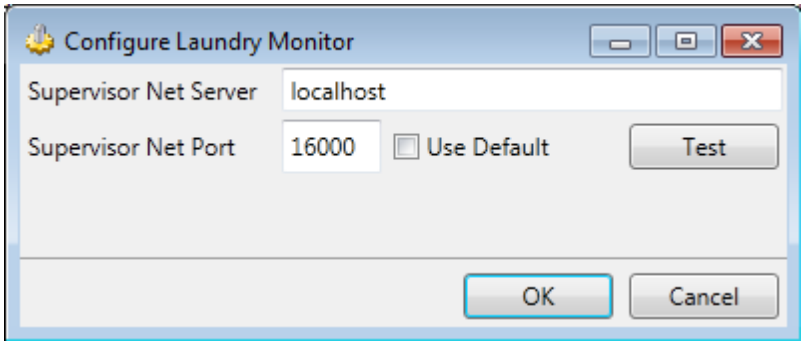


If correct, click on *Finish*. If you wish to modify any of the details click *Back*.

Configure Laundry Monitor

Once the installation has completed, the Laundry Monitor configuration dialog will appear. This enables you to configure the location of the Supervisor Net server.

If necessary, un-tick *Use Default* and enter the desired Server and Port. (This is not usually necessary, and we recommend you leave this as default unless there's a very good reason!)



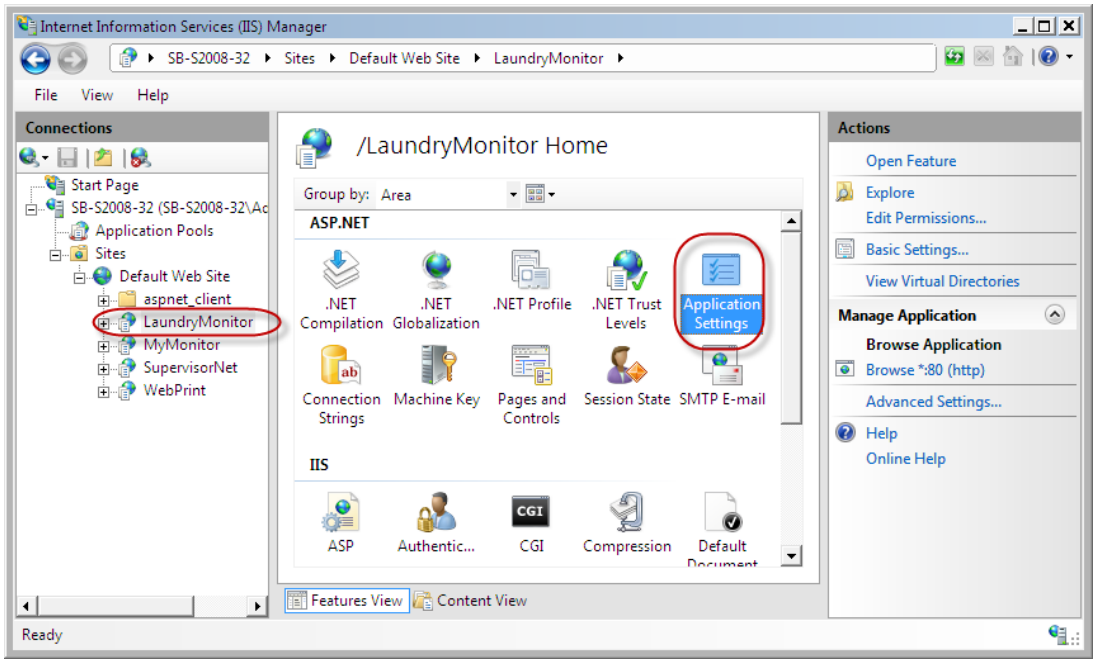
Option	Description
Server	The name of the Supervisor Net server
Port	The port that Supervisor Net is listening to requests on. It is advised to leave this as default
Use Default (Port)	Uses the system default value (16000) for the port
Test Button	Tests the connection to Supervisor Net

Click OK to apply changes and to close the configuration tool.

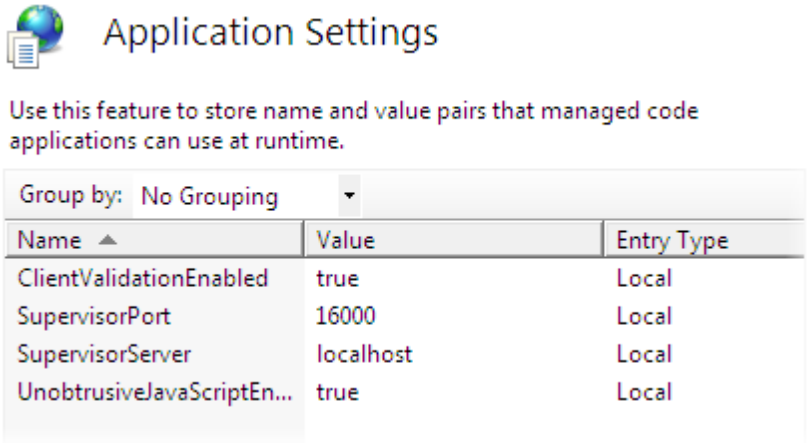
Web Site Configuration

To access the website's configuration install Internet Information Services (IIS) Manager.

Open IIS, drill down to site level to locate *Laundry Monitor*, then click on Application Settings.



Open the *Application Settings*.

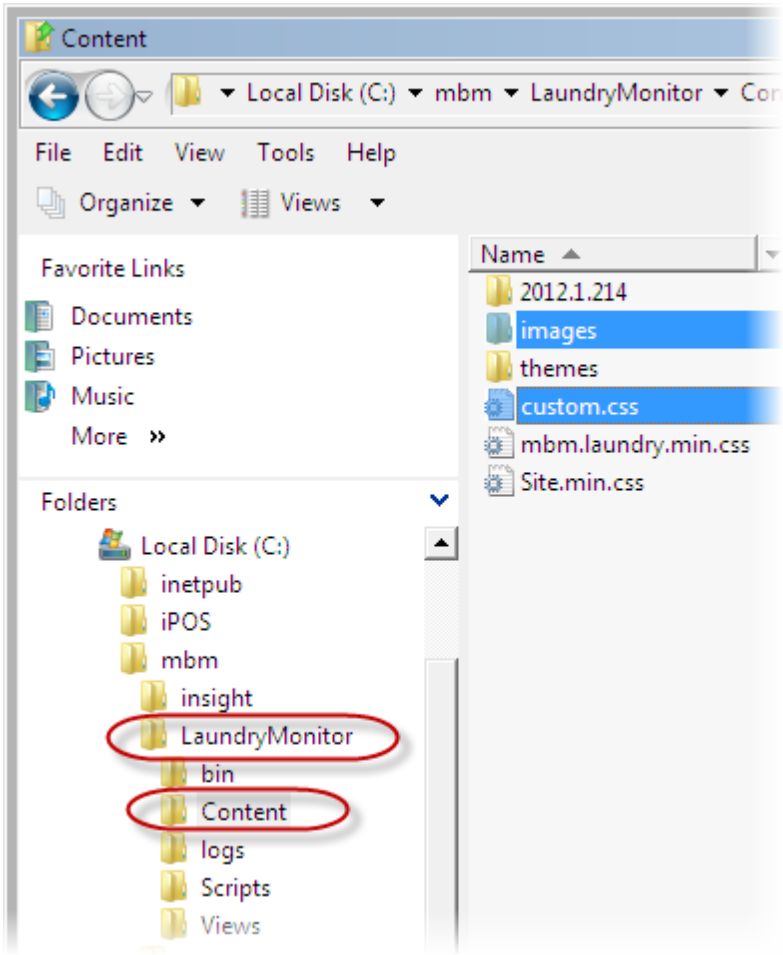


Parameter	Description
ClientValidationEnabled	Reserved - Do not alter
SupervisorPort	The port number that Supervisor Net is listening on. By default this is 16000 and should normally not be changed.
SupervisorServer	The server name of the server running Supervisor Net.
UnobtrusiveJavaScriptEnabled	Reserved - Do not alter

Altering the Website's Look and Feel

The website's look can be altered by editing the custom.css file and replacing the images.

These are located in c:\mbm\LaundryMonitor\Content



The other folders contain more advanced content and it is not recommend that you attempt to alter this unless you are a web developer.

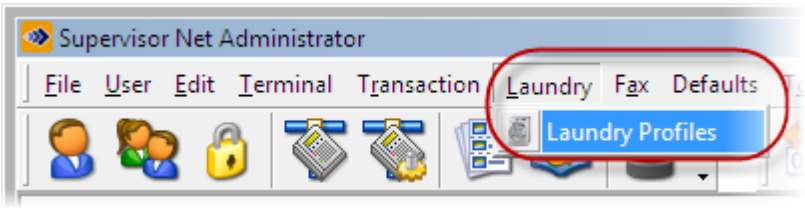
Appendix - Setting up a laundry terminal

The following are required to be created in Supervisor Net Administrator

- Terminal - The physical terminal record that the laundry controller uses when connected to Supervisor Net
- Laundry Profiles - Configuration parameters for the laundry device which is connected to the laundry controller. Contains information such as the session duration and number of pulses required to start the laundry machine, etc.

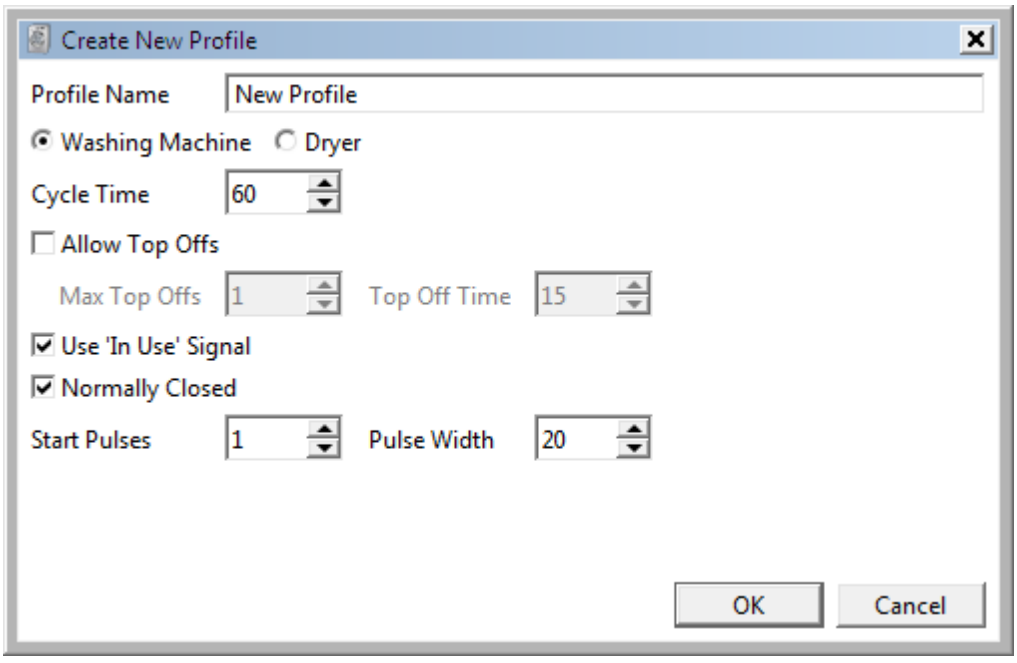
Create Laundry Profiles

Go to *Supervisor Net Administrator* > *Laundry.* Click on *Laundry Profiles* to create washer and dryer profiles.



Create Wash and Dryer Profiles

Click on *New* to create a Wash Profile.



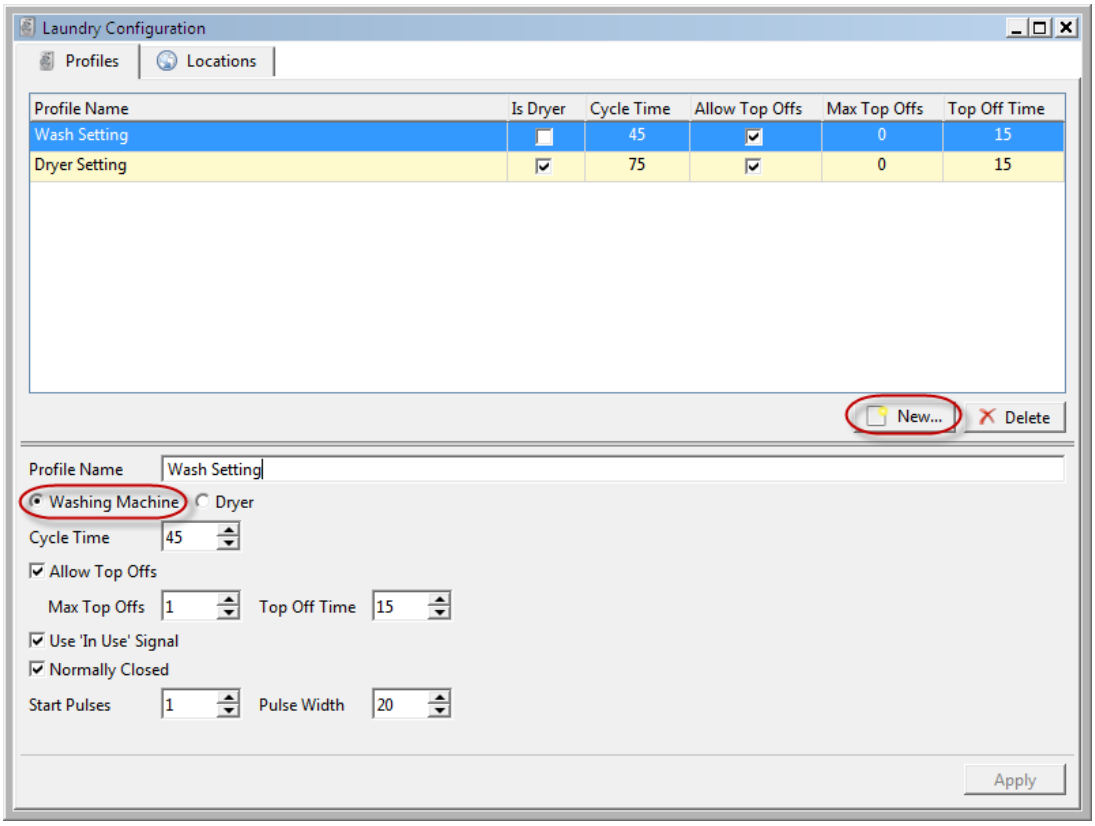
You can create multiple wash or dryer profiles to reflect the different laundry machines connected to the laundry controller. Usually a single controller only has a couple of different device types connected to it, so only a couple of profiles are required.

Profile Name

This is where you enter a description of the Profile, such as the fact that it's a washing machine or dryer, or a particular family of laundry machines.

Define if Washing Machine or Dryer

Choose whether this profile that you're creating is for a washing machine or a dryer. This setting can be changed either directly in the top grid or down below in the settings area. If a device is set as a dryer, the option *Allow Top Offs* (And other options pertaining to top offs) is paid attention to. It is ignored if the profile is set as a washing machine.



Cycle Time

If the laundry device does not have the capability to feed its in-use status back to the laundry controller (See *Use 'In Use' Signal*), you must set a cycle time. This will cause the laundry controller to keep track of how long the laundry device has been activated for, and not let anyone else activate that device during this time.

Allow Top Offs

This function applies to dryers only.

Following the completion of the cycle time (set above) this setting defines the maximum number of times the dryer time can be extended for additional drying. A top off is typically a smaller time period than a normal cycle time and is charged at a different rate in the pricing model.

Max Top Offs

How many additional top offs a user can buy.

Top Off Time

The duration for a top off session.

Use 'In Use' Signal

Tick to define if 'In Use' signals are being sent from the laundry devices to the laundry controllers.

Un-tick if any of the devices attached to the laundry terminals are using session timers instead of 'in use' signals.

Normally Closed

Determines whether or not the *In Use Signal* is normally open circuit or normally closed circuit. 'Normally' refers to the not in use state.

Start Pulses

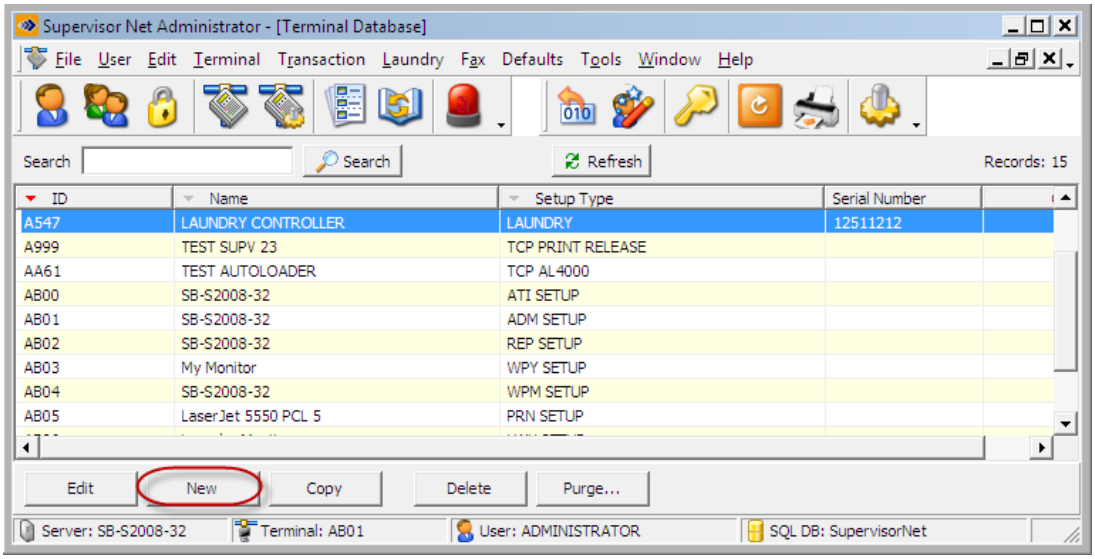
The number of pulses that the laundry controller must send to the laundry machine to activate it. As this setting varies between makes and models of laundry machine, you should refer to the service manual of that laundry machine for the value of this setting.

Pulse Width

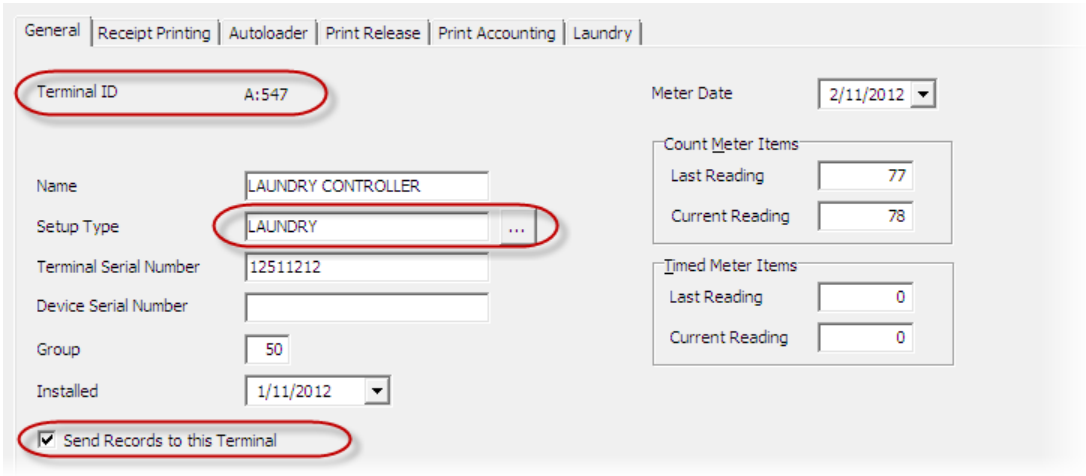
The duration of the pulses sent to the laundry machine to activate it. As this setting varies between makes and models of laundry machine, you should refer to the service manual of that laundry machine for the value of this setting.

Create a Laundry Terminal

Go to *Supervisor Net Administrator > Terminal.* Click on *New* to create a Terminal to the Laundry Controller.

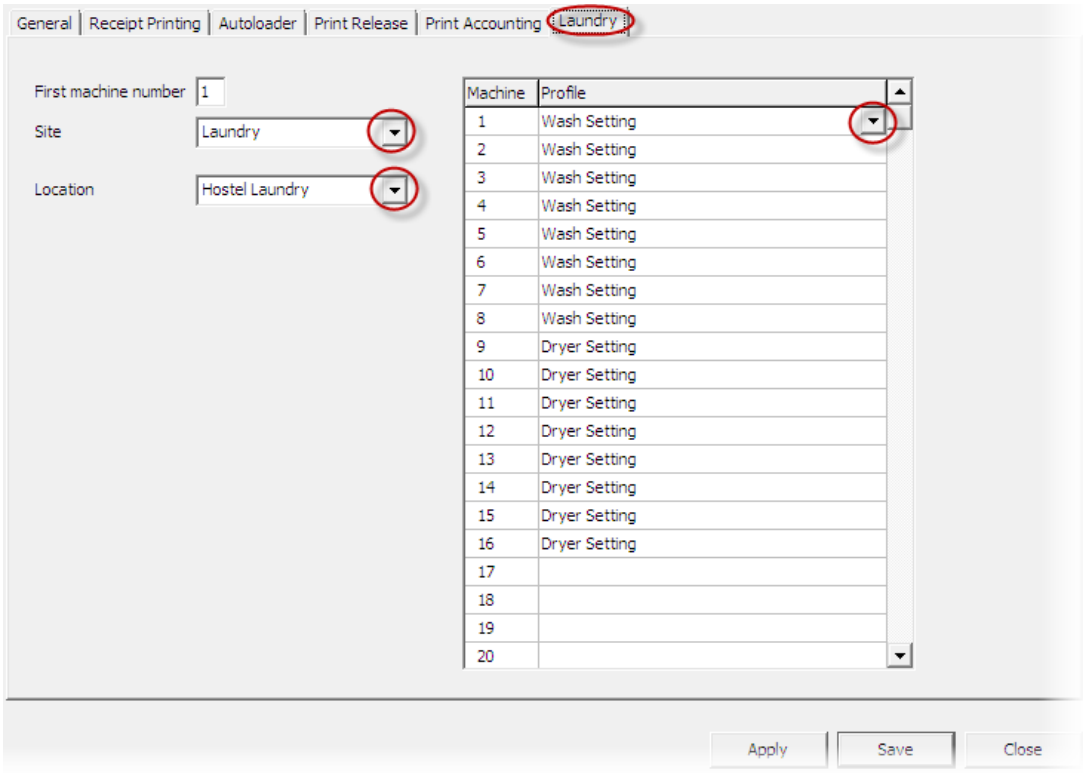


The following *General Tab* will appear.



Terminal ID	A mandatory key field which is a unique identifier for the terminal. This is a 3 digit field made up of alpha numeric characters (0-9 and A-Z only).
Name	A field that is used to descriptively indicate where the terminal is and/or what it's function is. Limited to 20 alpha numeric characters.
Setup Type	Select the Laundry Setup type from the Setup options.
Terminal Serial Number	Enter the Serial Number of the Terminal. (For reporting purposes)
Device Serial Number	Enter the Device Serial Number. (For reporting purposes)

Click on the *Laundry Tab* to view the laundry specific configuration within the terminal's record.



First Machine Number: Any 2-digit number in the start of sequence

Site: Select the site by selecting an option from the drop down list using the arrow key.

Sites are created under Laundry Profiles.

Location: Select the location by selecting an option from the drop down list using the arrow key.

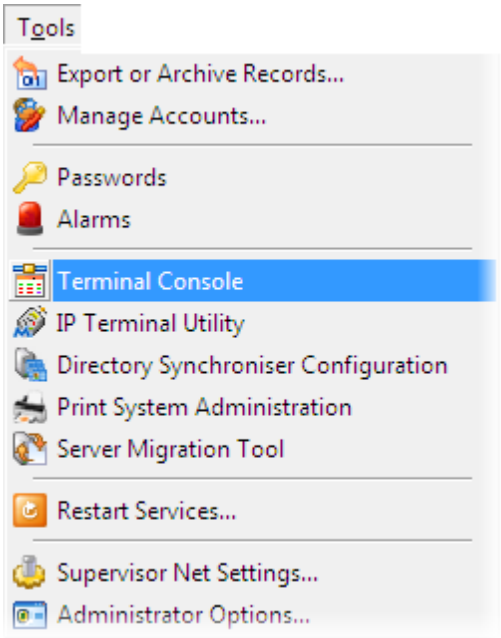
Locations are created under Laundry Profiles.

Profile: Select the profile of the machine by selecting an option from the drop down list using the arrow key. Profiles are created under Laundry Profiles.

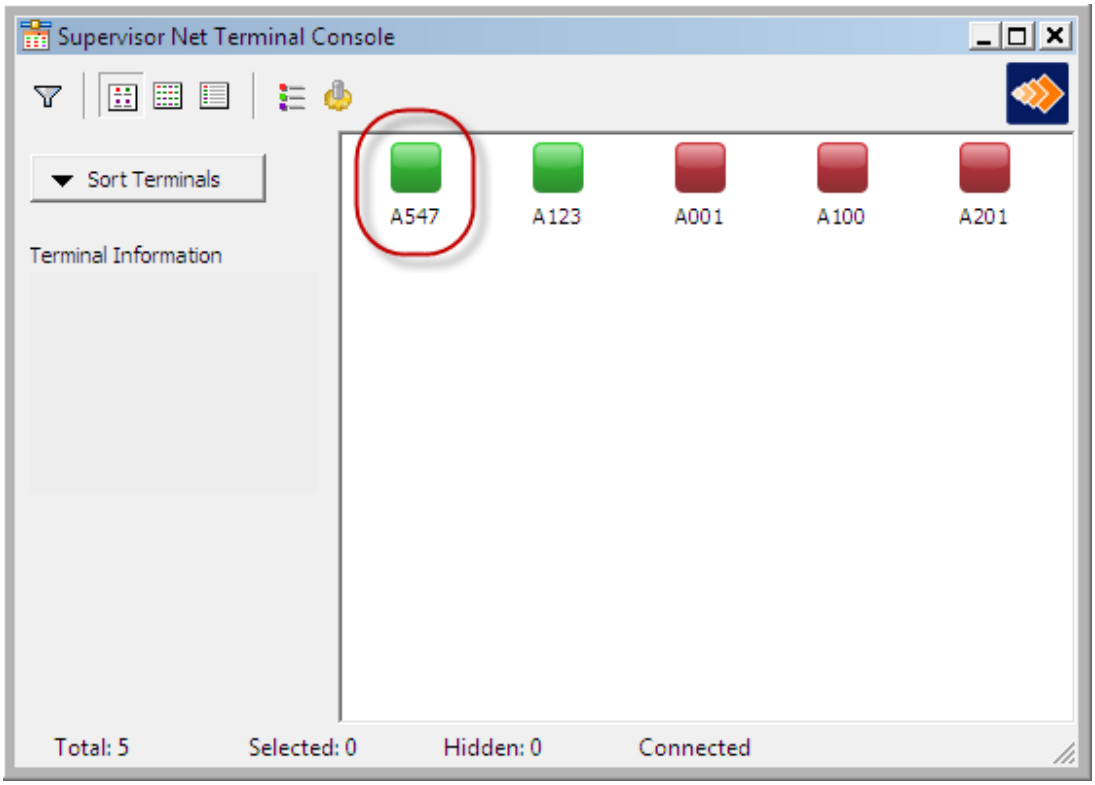
Click *Apply* then *Save* to exit terminal settings

Confirm ActiveTerminal Connection

To test that the created terminal in Supervisor Net is connecting successfully, go to *Supervisor Net Administrator > Tools > Terminal Console.*



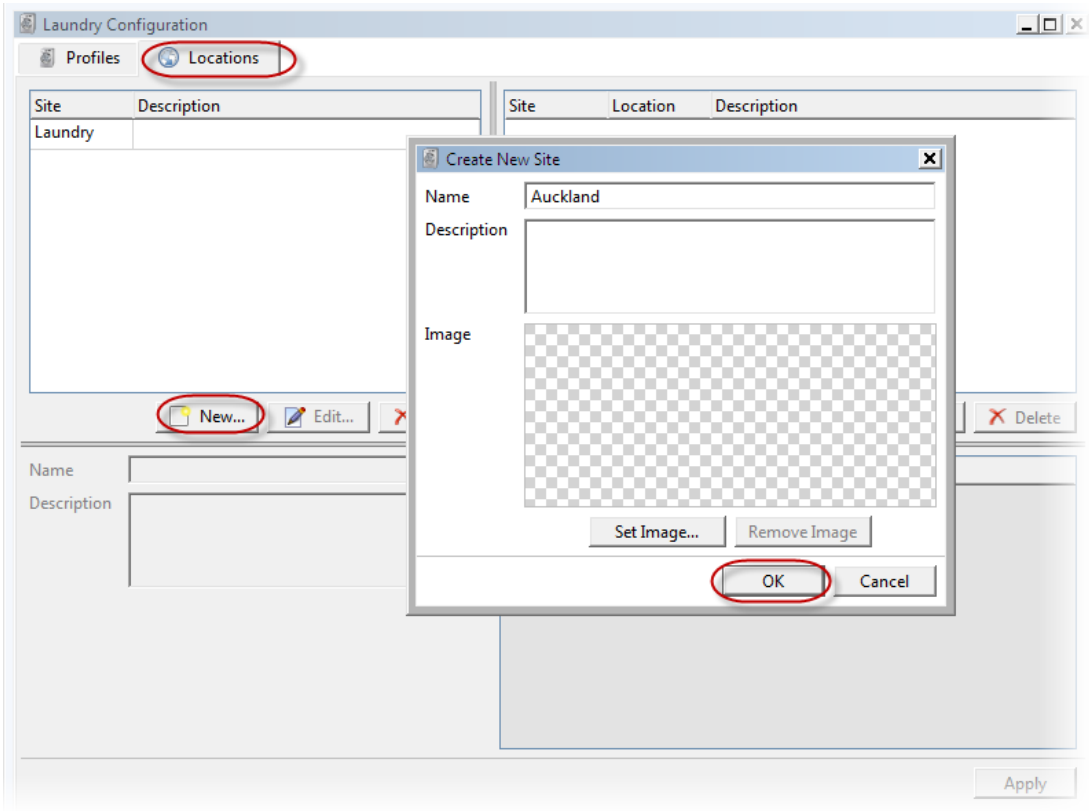
The terminal will be showing as a green icon once the connection is active.



Create Sites

This is where you define and create sites. A site is the top level of the heirachy - usually an area that has multiple location within it. It is however possible to have an installation with a single site and a single location.

Click on the *Locations* Tab under Supervisor Net Administrator > Laundry Profiles. Then click on *New* to create a Site.

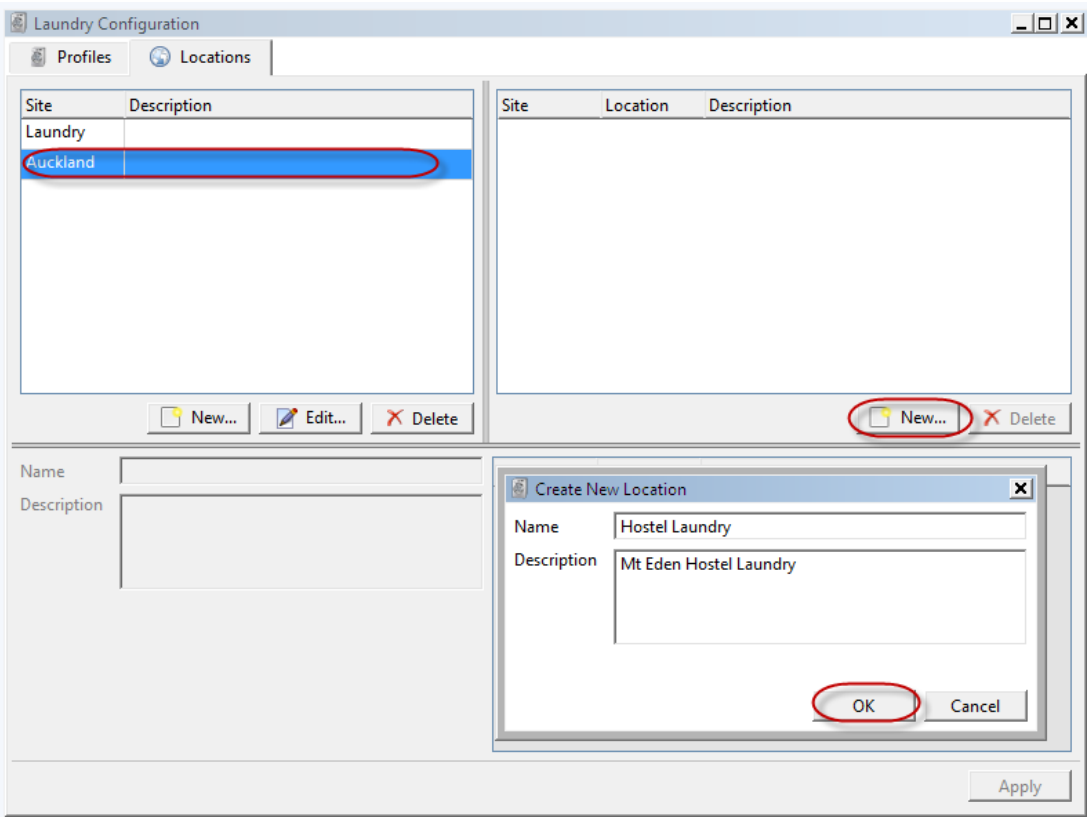


The *Create New Site* dialog will appear. Enter in the Site name, description and optionally a picture.

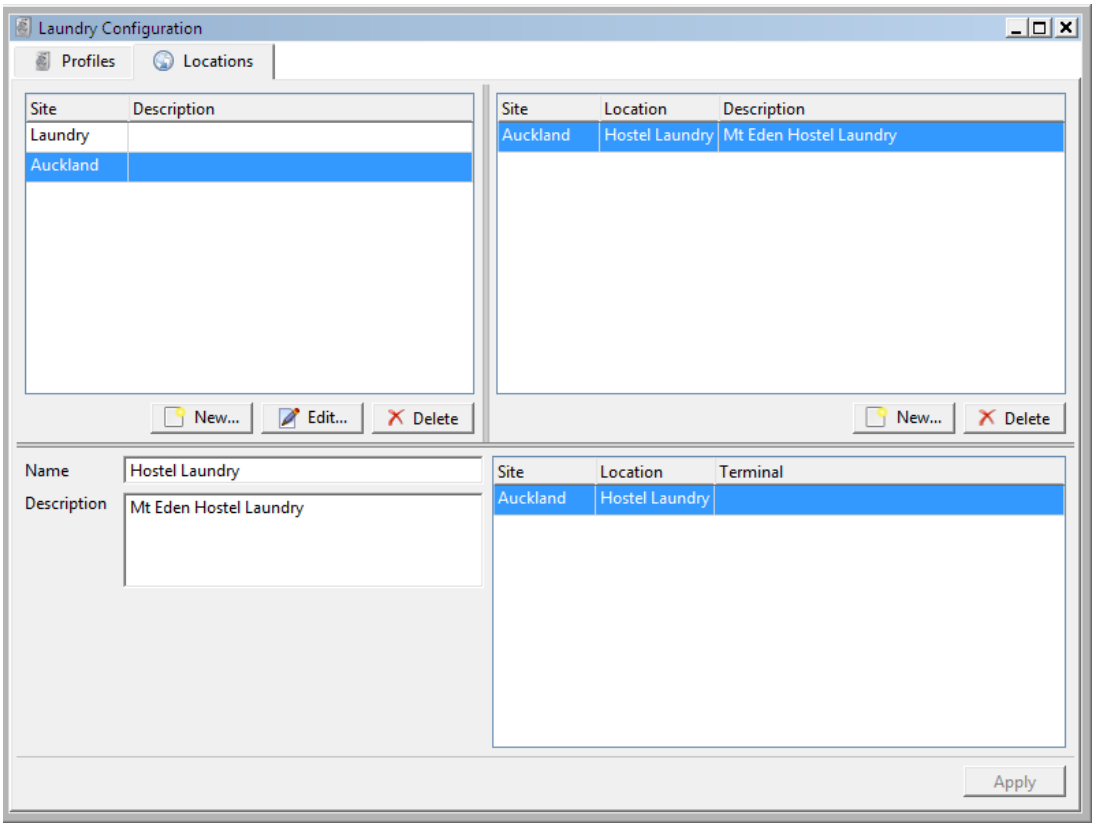
Create Locations

This is where you define and create Locations within a site. An example of a location is a floor in a building, or a laundry room on a campus.

Highlight the site first, then click on *New* to create a New Location.



The *Create New Location* dialog will appear. Enter in the location name and description. Then click OK to save.


Laundry Configuration
Profiles
Locations
Site
Description
Laundry
Auckland
New...
Edit...
Delete
Site
Location
Description
Auckland
Hostel Laundry
Mt Eden Hostel Laundry
New...
Delete
Name
Hostel Laundry
Description
Mt Eden Hostel Laundry
Site
Location
Terminal
Auckland
Hostel Laundry
Apply

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