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USER AND INSTALLATION GUIDE



SeQent
Real-Time Decision Solutions

*First*PAGE Alarm Manager Gateway for FT View SE HMI
V9.01

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Version Information

Edits

Version	Date	Author	Description
V9.00	October 2017	S. Burns	Initial Document
V9.01	January 2018	S. Burns	Updated based on new Gateway changes.

Customer Service

Support Contracts

You may purchase a support contract for any of our products. Support is free for product trials and for the first 30 days of product ownership.

To view the SeQent support options, go to our web site (www.SeQent.com). To contact SeQent's Customer Support department please use the following methods.

Urgent Issues:

Normal Business Hours (Weekdays 9AM-5PM EST):

1. Dial: +1.519.652.0401
2. Select: Option 1

If there is no answer then please leave a voice mail message with your contact information and your call will be returned promptly.

After Hours (Weekdays 5PM-9AM EST and Weekends):

1. Visit www.seqent.com/afterhours
2. Call the Primary Contact
3. If no answer leave a message
4. If no response within 1 hour call the Secondary Contact

Non-Urgent Issues / Questions

Normal Business Hours (Weekdays 9AM-5PM EST):

1. E-Mail: Support@SeQent.Com
2. Include the following information:
 - Contact Information
 - Product Name
 - Version
 - Description of the problem being experienced

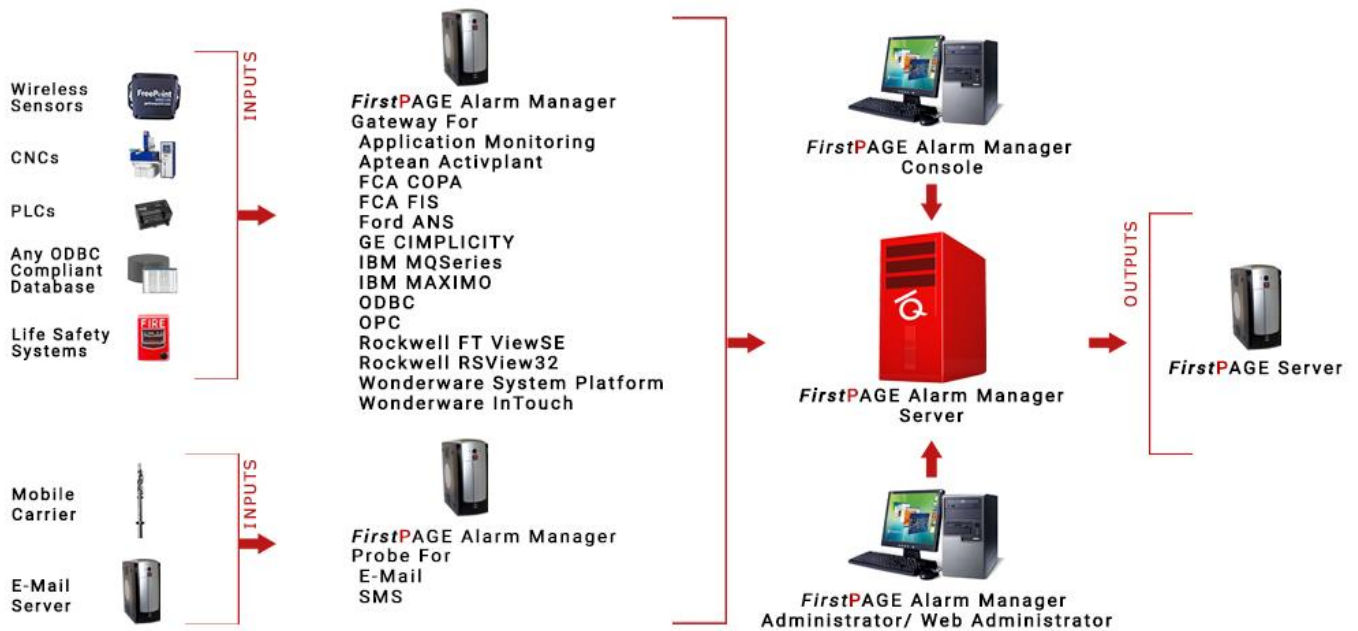
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.1. Product Overview

SeQent's FirstPAGE Alarm Manager Gateway for FT View SE HMI is a FirstPAGE Alarm Manager component that provides an automated bridging of alarms within a FT View SE HMI environment to a FirstPAGE Alarm Manager server.



Key Features:

- Hot reload for any configuration changes/additions
- Data items embedded in alarm messages are updated during the life of the alarm

How it Works

FirstPAGE Alarm Manager Gateway for FT View SE HMI is another product in the FirstPAGE Alarm Manager Suite of products and may reside on your FirstPAGE Alarm Manager Server or access a FirstPAGE Alarm Manager Server over a LAN or WAN connection.

The FirstPAGE Alarm Manager Gateway for FT View SE HMI provides a bridge between FT View SE HMI project alarms and the FirstPAGE Alarm Manager Server.

2. Installation

Prerequisites

Before beginning the installation, it is important to determine the hardware and software requirements necessary for FirstPAGE Client to run efficiently. Review the following prerequisite list before the software is installed.

Licensing	General: Per server Licensing Options: None
Product Requirements	FirstPAGE Alarm Manager Server V9.x Rockwell Automation FactoryTalk View SE (HMI)
System Requirements	One of: Microsoft Win2K8 MicrosoftWin2K8R2 Microsoft Win7 Microsoft Win7-64 Display: 800x600 Disk Space: 1GB RAM: 1GB
Drivers	TCP/IP MDAC V2.7 (SP1+)

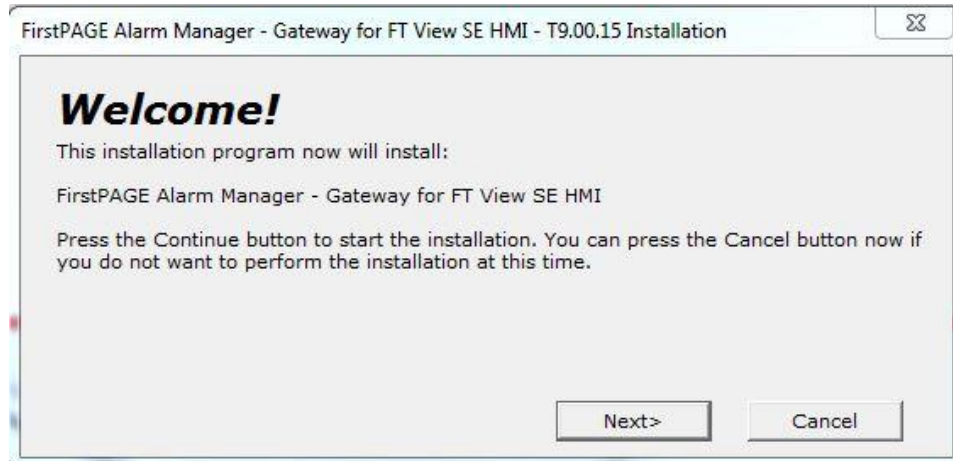
Installing the Application

Before installing FirstPAGE Alarm Manager for the first time, the following information must be considered:

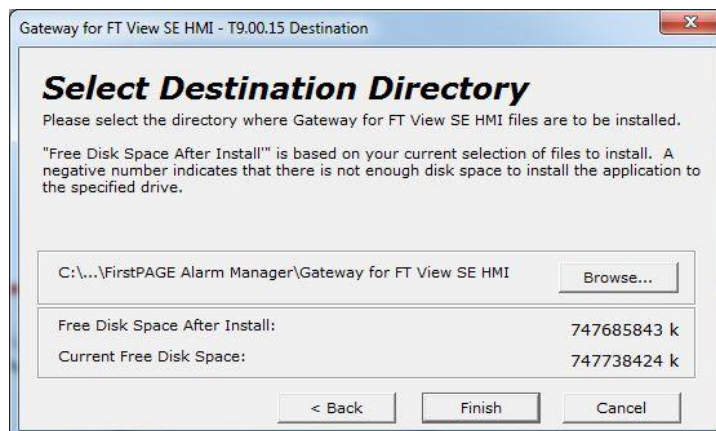
- Determine which disk drive/directory your FirstPAGE Alarm Manager Gateway for FT View SE HMI software will reside on.
- Determine the Host name of the FirstPAGE Alarm Manager Server you will be connecting to.
- Determine the FT View SE HMI project that will be utilized by the Gateway.

Installing FirstPAGE Alarm Manager Gateway for FT View SE HMI

1. Run FirstPAGE Alarm Manager Gateway for FT View SE HMI SETUP.EXE. Click *Next*.



2. After accepting the licensing agreement, select the installation destination directory.



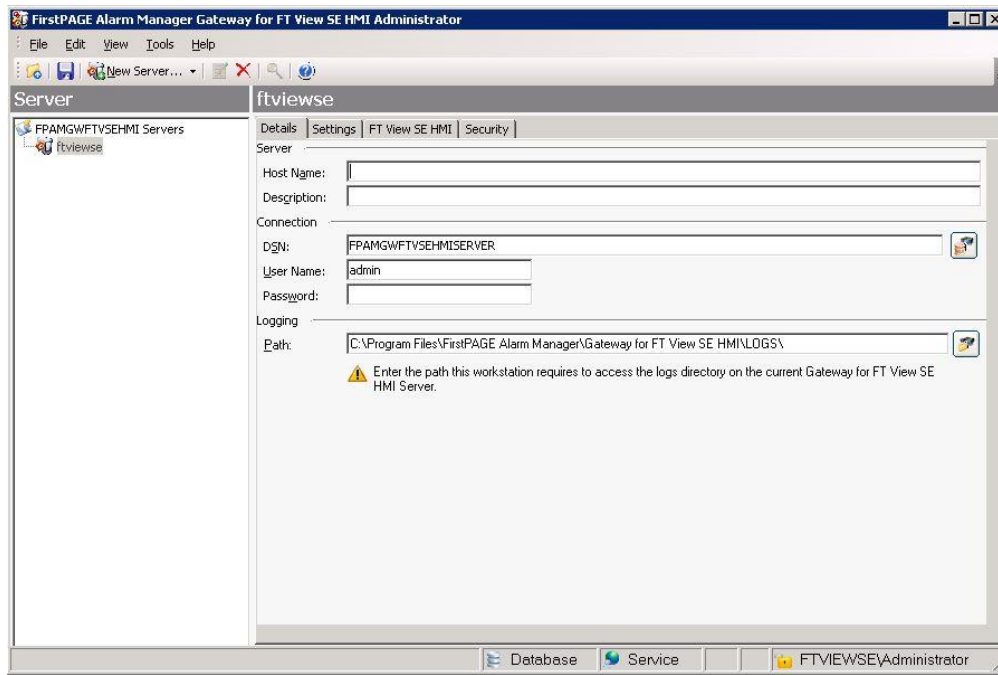
3. Click *Finish* to complete the installation. The computer must be restarted before the FirstPAGE Alarm Manager Gateway for FT View SE HMI can be configured or operated.

3. Configuration

Configuring Key Components – Gateway Server

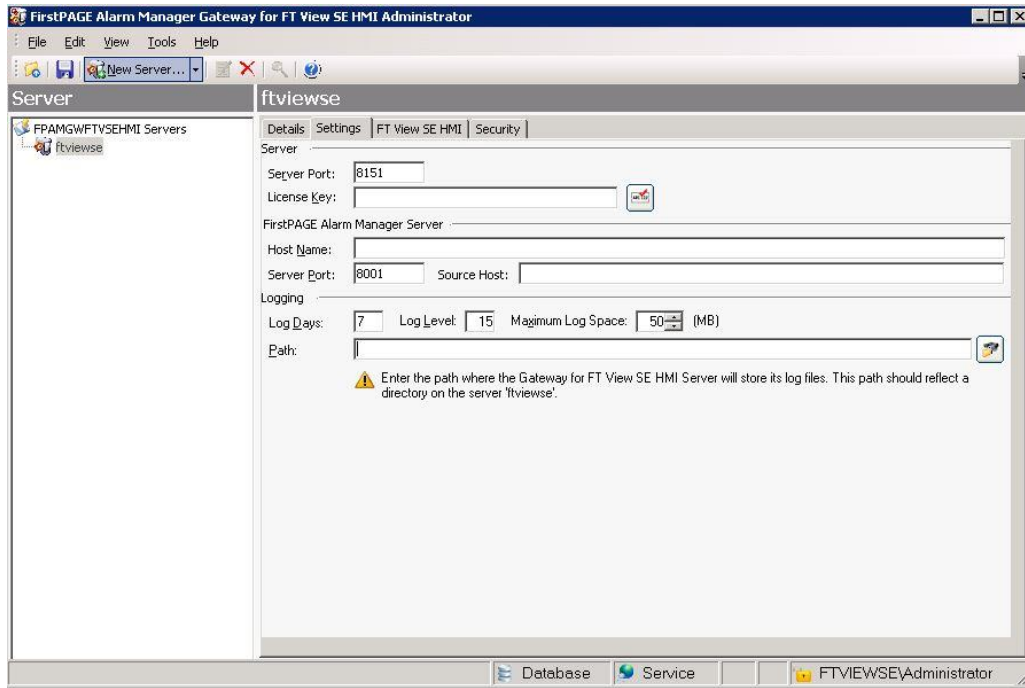
Start the gateway administrator via Start – Programs – FirstPAGE Alarm Manager – Gateway for FT View SE HMI - *Administrator*. The first time you start the Administrator, you will need to perform the New Server step to link the Gateway to the FT View SE HMI project and the FirstPAGE Alarm Manager server.

Adding a FirstPAGE Alarm Manager Gateway for FT View SE HMI Server



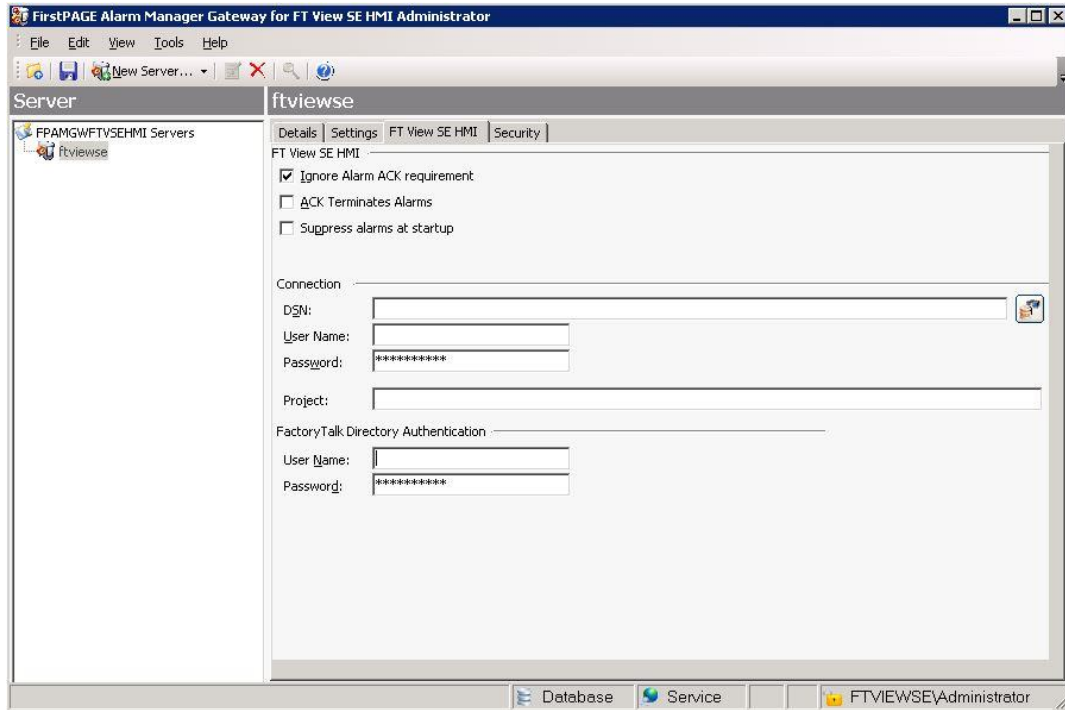
DETAILS TAB	
Server	
<i>Host Name</i>	Name of the server running FPAM Gateway for FT View SE HMI
<i>Description</i>	Description of the server.
Connection	
<i>DSN</i>	DSN for the server database.
<i>User Name</i>	DSN Username.
<i>Password</i>	DSN Password.
Logging	
<i>Path</i>	Path to the log file directory for this server.

- Once the Details tab has been configured, select the *Settings* Tab. The following screen appears:



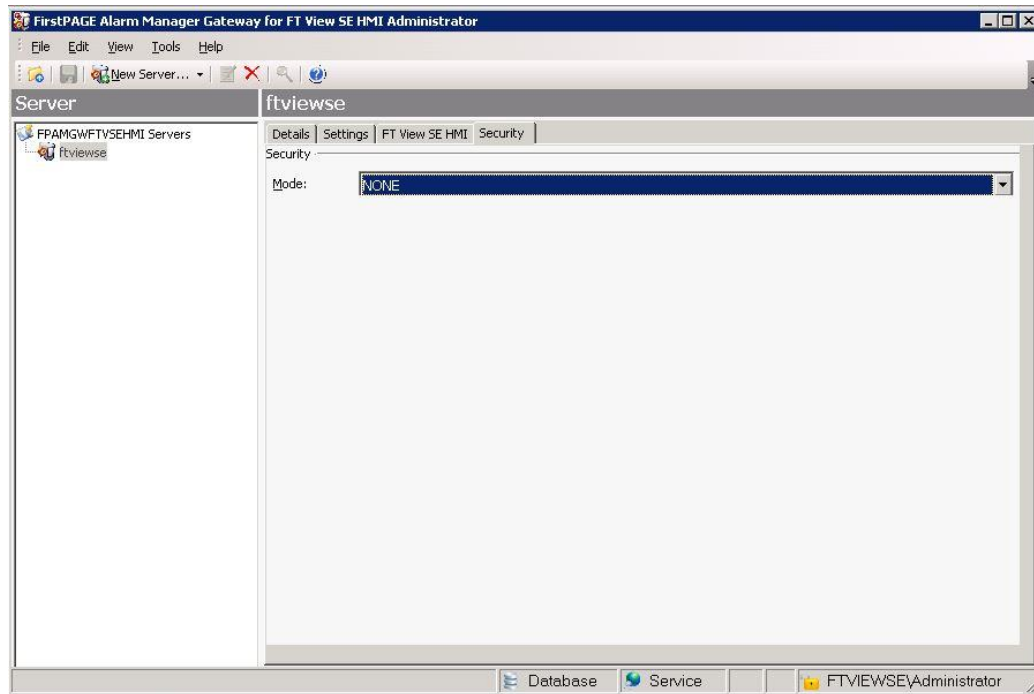
SETTINGS TAB	
Server	
<i>Server Port</i>	The listener port for the gateway. Default value 8143.
<i>License Key</i>	Enter a valid FirstPAGE Alarm Manager Gateway for FT View SE HMI license key
FirstPAGE Alarm Manager Server	
<i>Host Name</i>	A TCP/IP resolvable name for the machine running FirstPAGE Alarm Manager Server.
<i>Server Port</i>	Port that connects to the FirstPAGE Alarm Manager Server. Defaults to 8001.
<i>Source Host</i>	A TCP/IP resolvable name for the machine running the FirstPAGE Alarm Manager Gateway for FT View SE HMI and where the FT View SE HMI project is running. This is already populated.
Logging	
<i>Log Days</i>	The number of days the log file will be kept before being purged. Defaults to 7 days.
<i>Log Level</i>	The log <i>Level</i> field is for use at the request of SeQent. In the event of any problems, SeQent may request additional levels of logging to assist in problem solving. The default is 0.
<i>Maximum Log Space</i>	To prevent the log files from consuming too much drive space, you can specify how much space to allot to the log file in the <i>Maximum Space</i> field. Default is 50 MB.
<i>Path</i>	The path specification, local to the actual Marquee Manager Server. It contains the directory where the Marquee Manager Server will store its log files.

- Select the *FT View SE* tab to configure alarm states. These states are global to all alarms within the project. The following is displayed:



FT VIEW SE TAB	
FT View SE	
<i>Ignore Alarm ACK requirements.</i>	Select this option to stop messaging once alarm returns to normal even if the alarm requires ACK.
<i>ACK Terminate Alarms</i>	If enabled when the engine receives an ACK it will terminate an alarm in FirstPAGE Alarm Manager even though the alarm is still potentially active in FT View SE.
<i>Suppress alarms at startup</i>	If enabled alarms found active at the startup will not be initiated in FirstPAGE Alarm Manager. They must transition to normal then on again before they will be dispatched.
Connection	
<i>DSN</i>	ODBC System DSN for the FactoryTalk View SE database
<i>User Name</i>	Username for the database connection
<i>Password</i>	Password for the database connection
<i>Project</i>	FactoryTalk View SE project name to connect too.
Factory Talk Directory Authentication	
<i>User Name</i>	Username for the specified FactoryTalk View SE project
<i>Password</i>	Password for the specified username

- Once the Settings have been defined, click the *Security* tab. The following screen is displayed:



4. To enable Security, you must select a *Security Mode*. Default selection is **NONE**. Your choices include:
 - **WINDOWS**
 - **WINDOWSTRUSTED**

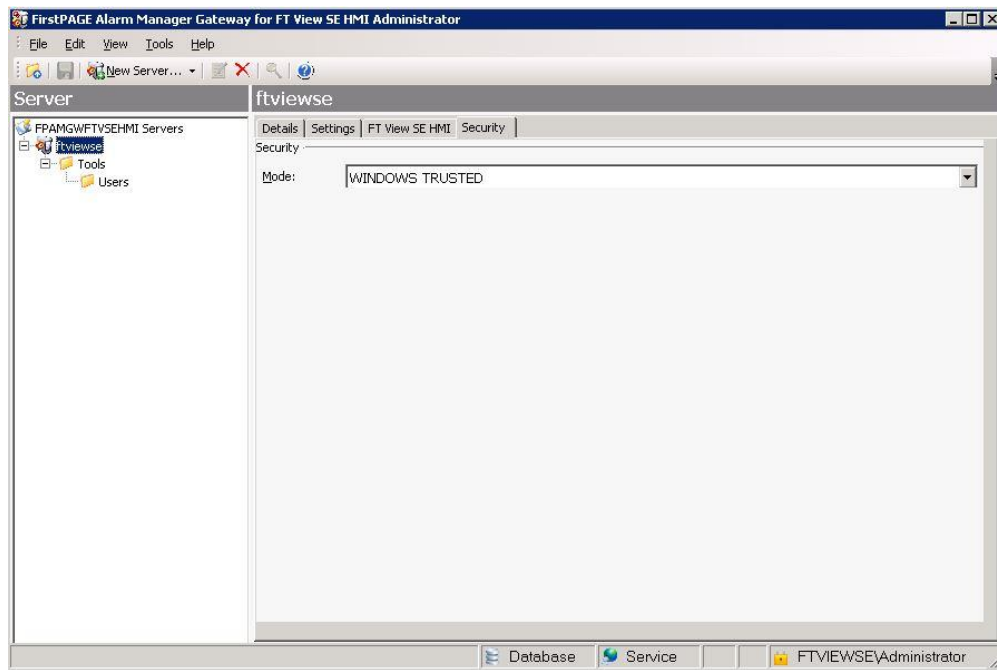
For more detailed instructions on Security settings, see section entitled ***Enabling and Configuring Security***.

5. Click the *Save* icon in the toolbar to save changes to the new server.
6. At this point, you must restart FirstPAGE Alarm Manager Gateway FT View SE HMI. To restart the gateway visit Start – Control Panel – Administrative Tools – Services
7. Press the Stop and Play button on the "FPAM Gateway for FT View SE HMI" service.

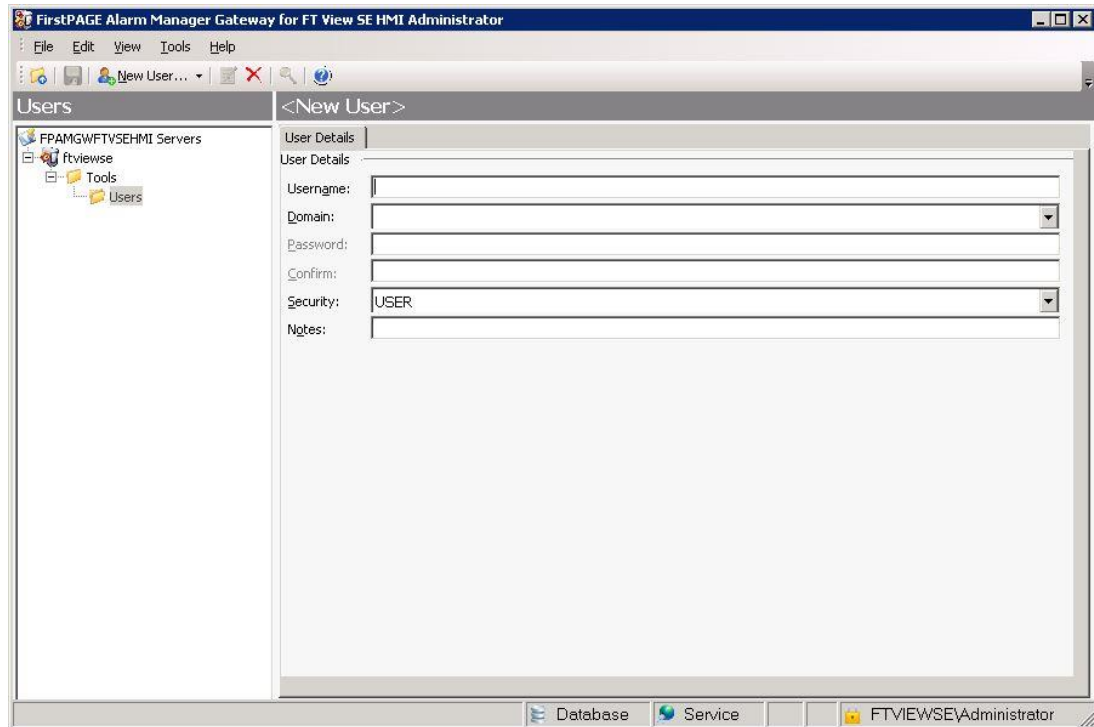
Enabling and Configuring Security

1. To enable Security, you must select a *Security Mode*. Default selection is NONE. Your choices include:
 - WINDOWS
 - WINDOWSTRUSTED

Once a mode is selected and saved, a *Users* folder appears under the *Tools* section of the tree view. The Users folder allows the administrator to add destinations with limited access to various user applications.



2. Click on the *Tools* folder then select the *Users* folder. Right click and select *New User* or click the *New* icon in the toolbar. The following screen is displayed:



USER DETAILS TAB	
User Details	
<i>Username</i>	Enter the <i>Username</i> for this account. This must be the Windows login username.
<i>Domain</i>	Select the <i>Domain</i> from the drop-down list of available domains
<i>Password</i>	Enter a <i>Password</i> for this username then confirm password.
<i>Confirm</i>	Confirm Password by retyping it.
<i>Security</i>	Select the level of security this user will have. Admin access gives users access to both Administrator and Client, if the application has both components. User access gives users access to view only.
<i>Notes</i>	Optional field.

3. Save your changes. The next time you start up the application, you will be prompted for a User ID/password and a valid Domain name before you are allowed access.

The first user entered must be an administrator with Admin security. The last user removed must also be an Admin.

4. The user will now be prompted for a UserID/password and a valid Domain name before the FirstPAGE Alarm Manager Gateway for FT View SE HMI can be accessed.

Login to server: ftviewse

SeQent
Real-Time Visualization

User ID:

Password:

Domain:

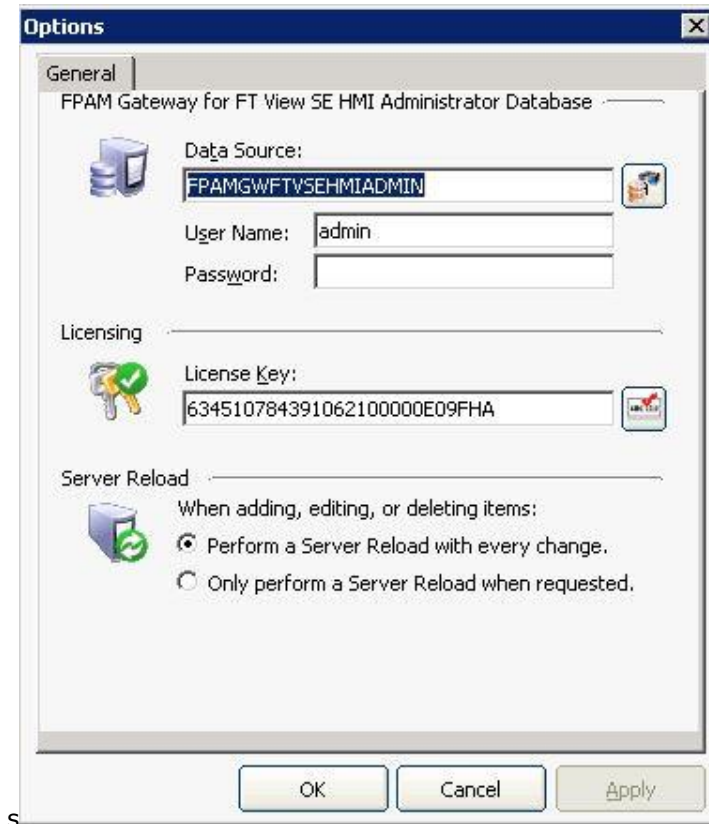
Login Cancel

Configuring FPAM Gateway for FT View SE HMI Options

Before using FirstPAGE Alarm Manager Gateway for FT View SE HMI, configure the various settings that control the interface to the gateway. The *Options* menu allows users to set FirstPAGE Alarm Manager Gateway for FT View SE HMI details.

Configuring the Gateway for FT View SE HMI options

1. Click the **Tools** menu then select **Options**. The following screen is displayed:



2. The install kit will default the Data Source to FPAMGWFTVSEHMIADMIN , pointing to your Gateway for FT View SE HMI administrator database.
3. The Server Reload option allows the user to select when they want a reload to server: with every change, or only when requested.

.4. Using FPAM Gateway for FT View SE HMI

The FirstPAGE Alarm Manager Gateway for FT View HMI SE user interface is conveniently displayed in a tree view.

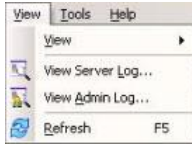
Once configured, there is very little interaction between the user and this application. The management of this application takes place within its associated FPAM Administrator agent.

Viewing the Log Files

In each application, you are able to view the log files associated with the various components of the software. The log files contain an accurate history of every transaction and modification made to the database. Log files are important because they ensure the integrity of the data and provide a means of data recovery.

To View:

1. Select View to get the View Admin Log or View Server Log options.



2. Double-click the log entry for further information.
3. Click the Filters button and choose viewing options to display only the desired information.
4. The Events On: field defaults to the current day.
5. The Status Message field can be used to search for a portion of the message in the log. Only certain characters may be used in this field. When matching the special characters left bracket ([), question mark (?), number sign (#), and asterisk (*), enclose them in brackets. i.e. To find all log items that start with [enter in [[]]* in the Status Message field.

The common search characters are as follows:

Character	Match Made	Example
?	Any single character	Text in the log is ABC, DBC and XYZ. If ?BC is used in the Status Message field, only ABC and DBC will be returned.
*	Zero or more characters	*Initiated* in the Status Message field would return all log items with the word 'Initiated'
#	Any single digit (0-9)	Text in the log is Device1, Device5, Device8, Device10. Keying in Device# in the Status Message field, will return Device1, Device5, and Device8.

6. Select the Automatic Refresh option to automatically refresh the log file based on the seconds specified.

Glossary

Administrator

Typically a GUI application, this component facilitates configuration and monitoring of a server engine. If changes are made to the server configuration the administrator notifies the engine to reload its running configuration either automatically or on user demand. An example of an administrator component is FirstPAGE Administrator.

This administrator allows you to maintain the FirstPAGE server's engine configuration.

Administrator Kit

An administrator kit contains the product's administration component only. After installing this kit on a workstation you may utilize any of the features of the Administrator component.

Alarm

Generates alarms for points that are in an alarm state. It can generate alarm messages about system events, such as device failures, and device statuses.

Class

Alarm class is the order in which an alarm appears relative to other alarms. Alarms with similar characteristics are usually grouped by class.

Distribution List

A FirstPAGE Server distribution list is a collection of destinations, which can be sent a message with a single transaction. Similar to an e-mail distribution list a client who initiates a transaction with a distribution list will automatically send the same message to all associated destinations.

Point

Data that can be collected from various devices such as programmable controllers. Point configuration defines where a point originates, how the data is collected, and what constitutes an alarm state.

Resource

The physical or conceptual units that comprise your facility and can be anything from devices and machines to stations where work is performed.

Server Kit

A server kit typically contains the server engine and administrator components. In some cases a client component is also included with this kit. The server kit is usually installed on a centralized host and is utilized by one or more clients or gateways. An example of a server kit is FirstPAGE Server. This kit contains the FirstPAGE engine, administrator and client.