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Simplex integration software for C•CURE 9000

User Guide

Access Control and Event Management

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Table of Contents

Preface 5

How to Use this Manual 6
Finding More Information 6
Conventions 7

Chapter 1 - Introduction 8

Simplex 4100 Overview 9
Configuring the Connection to a Simplex 4100 Panel 11
Licensing the Simplex 4100 Fire Alarm integration product 21
Using the Hardware Pane 21

Chapter 2 - Installation 23

Installation Overview 24
Getting the Simplex 4100 integration software 25
Installing the Simplex Fire Alarm integration 25
Uninstalling the Simplex Fire Alarm integration 33

Chapter 3 - Simplex 4100 Panel Editor 37

Simplex 4100 Panel Editor Overview 38
Accessing the Simplex 4100 Panel Editor 38
Creating a Simplex 4100 Panel 39
Deleting a Simplex 4100 Panel 39
Simplex 4100 Panel General Tab 40
Configuring a Simplex 4100 Panel 41
Simplex 4100 Panel Basic Information Tab 42
Simplex 4100 Panel Triggers Tab 42
Defining Triggers for a Simplex 4100 Panel 44
Simplex 4100 Panel Status Tab 45
Simplex 4100 Panel State Images Tab 46
Customizing State Images for a Simplex 4100 Panel 47
Configuring Cards and Points 47
Performing Simplex Panel Data Acquisition 50
Viewing Import Reports 53
Viewing a List of Simplex 4100 Panels 57
Finding a Simplex Panel in the Journal 57
Finding a Simplex Panel in the Audit Log 58

Chapter 4 - Simplex 4100 Card Editor 59

Simplex 4100 Card Editor Overview 60
Simplex 4100 Card Editor General Tab 61

Chapter 5 - Simplex 4100 Point Editor **63**

Simplex 4100 Point Editor Overview 64
Simplex 4100 Point Editor General Tab 64
Simplex 4100 Point Editor Status Tab 66
Simplex 4100 Point Editor Triggers Tab 67
Defining Triggers for a Simplex 4100 Point 68
Simplex 4100 Point Editor State Images Tab 70

Chapter 6 - Monitoring Simplex 4100 Activities **72**

Using the Monitoring Station for Simplex 4100 Fire Alarms 73

Chapter 7 - Simplex 4100 Journal Messages **76**

Simplex 4100 Journal Message Definitions 77

Preface

The *C•CURE 9000 Simplex 4100 Fire Alarm Interface User Guide* is for new and experienced security system users who want to learn to use the C•CURE 9000 Simplex 4100 Fire Alarm Interface for the C•CURE 9000 Security Management System.

In this preface

How to Use this Manual 6
Finding More Information 6
Conventions 7

How to Use this Manual

This manual contains the following sections that provide information about the C•CURE 9000 Simplex Fire Alarm Interface.

Chapter 1, Introduction

This chapter provides basic information about this integration.

Chapter 2, Installation

This chapter provides installation instructions for the product.

Chapter 3, Simplex 4100 Panel Editor

This chapter describes how to use the Simplex 4100 Panel Editor.

Chapter 4, Simplex 4100 Card Editor

This chapter explains how to use the Simplex 4100 Card Editor.

Chapter 5, Simplex 4100 Point Editor

This chapter describes how to use the Simplex 4100 Point Editor.

Chapter 6, Monitoring Simplex 4100 Activities

This chapter explains how to monitor Simplex 4100 activities using the Monitoring Station Activity Monitor.

Chapter 7, Simplex 4100 Journal Messages

This chapter describes Simplex 4100 Journal Messages.

Finding More Information

You can access C•CURE 9000 manuals and online Help for more information about C•CURE 9000.

Manuals

C•CURE 9000 software manuals are available in Adobe PDF format on the C•CURE 9000 installation media.

You can access the manuals if you copy the appropriate PDF files from the C•CURE 9000 Installation media Manuals\CCURE folder.

The available C•CURE 9000 Software House manuals are listed in the C•CURE 9000 Installation and Upgrade Guide.

These manuals are also available from the Software House Member Center website

http://www.swhouse.com/TechnicalLibrary/TechLibSW.aspx.

Online Help

You can access C•CURE 9000 Help by pressing F1 or clicking Help from the menu bar in the Administration/Monitoring Station applications.

Conventions

This guide uses the following text formats and symbols.

Convention	Meaning
Bold	Bold text describes one of the following items: • A command or character to type • A button or option on the screen to press • A key on your keyboard to press • A screen element or name
Italic	Indicates a new term.
<text>	Indicates a variable.

The following items are used to indicate important information.

NOTE Indicates a note. Notes call attention to any item of information that may be of special importance.

TIP Indicates an alternate method of performing a task.

Indicates a caution. A caution contains information essential to avoid damage to the system. A caution can pertain to hardware or software.

Indicates a warning. A warning contains information that advises users that failure to avoid a specific action could result in physical harm to the user or to the hardware.

Indicates a danger. A danger contains information that users must know to avoid death or serious injury.

1

Introduction

This chapter introduces the C•CURE 9000 Simplex 4100 integration product.

In this chapter

Simplex 4100 Overview 9
Configuring the Connection to a Simplex 4100 Panel 11
Licensing the Simplex 4100 Fire Alarm integration product 21
Using the Hardware Pane 21

Simplex 4100 Overview

The C•CURE 9000 Simplex 4100 Fire Alarm integration provides advanced, seamless integration with the 4100 Fire Detection and Alarm Panel from SimplexGrinnell, allowing customers to monitor their important fire devices from the C•CURE 9000 Monitoring station. This product is intended to provide an upgrade path for systems currently using the SimplexGrinnell iSecure Fire Watch interface (Simplex fire alarm interface).

The SimplexGrinnell 4100 Fire Panel is a high-end, next-generation distributed network system that combines superior fire protection and information management with lower costs of installation, maintenance, and ownership.

The union of this high-end fire system and the C•CURE 9000 provides extensive system integration opportunities, including the ability to receive secondary annunciation from the linked fire alarms. Currently, the 4100 Fire Panel can support up to 2000 signals through a centralized RS-232 connection. This allows security personnel to view all critical events, including access violations, video alarms, and now fire alarms, from one centralized station. As per fire regulations, no capability is provided for the security system operators to silence alarms or reset signals to a cleared state on the fire system. As with other important events in the C•CURE 9000, all fire alarm activity is stored in the system's detailed journal for future investigative reporting.

The C•CURE 9000 Simplex 4100 integration is based on the Simplex Computer Port Protocol (CPP), a bi-directional serial protocol capable of accessing most of the Fire Alarm Control Panel (FACP) operational and diagnostic features.

The integration can be used by C•CURE 9000 to access 4100 panels through CPP. It can acquire point status change, event status, and health status data from the FACP, then store this information in the C•CURE 9000 database. The integration supports the secondary annunciation of the devices, panel events, and panel health status data.

The product includes a data acquisition function that does the following:

1. Establishes and maintains the supervised serial link.
2. Extracts the point database from the FACP.
3. Merges the FACP database into the C•CURE 9000 database.

Once points are merged into the C•CURE system, they are managed and configured like other native system points in C•CURE 9000.

Features

The C•CURE 9000 Simplex 4100 Fire Alarm integration provides seamless integration with the industry-leading 4100 fire panel from SimplexGrinnell, including the ability to view all critical security and fire events in one station on one screen.

- Device/point status changes (Fire, Trouble, Disabled, etc.).
- Panel event status (number of Fires, Troubles, etc.).
- Panel health status (AC Power status, battery status, etc.).
- Reporting (logs, service reports, etc.).
- All fire alarm activities are logged in the security journal allowing both life safety and security events to be reviewed together in future investigative reporting.

Architecture

The objective of the Simplex 4100 Fire Alarm integration is to provide a standard interface between the Simplex 4100 product family control equipment (4100 and NDU, firmware version 2.03.02 or later) and C•CURE 9000 via an RS-232 serial port or network port when you used UDS1100 to convert serial port into a network port. This integration provides manual synchronization between the Simplex 4100 database and the C•CURE 9000 database. The integration listens to Simplex 4100 unsolicited messages (fire, Trouble, Supervision, Priority 2) and communicates them to C•CURE 9000. C•CURE 9000

processes these messages and communicates them to users as object state changes, activities, events, and alarms – according to the way the Simplex 4100 objects in the C•CURE 9000 database are configured. The Simplex Fire Alarm integration does not provide control functions for Simplex 4100 products.

The Simplex Fire Alarm integration gives you the ability to create and configure Simplex 4100 Panels in C•CURE 9000, and synchronize the C•CURE 9000 database and the Simplex 4100 product database. The Simplex Fire Alarm integration also listens to Simplex 4100 product unsolicited messages and processes them into C•CURE 9000 Journal messages.

You can access the Simplex Fire Alarm integration on the C•CURE 9000 Administration Client by clicking the **Hardware** button. The hardware pane opens and you can access an existing Simplex 4100 panel or create a new one.

Components

The C•CURE 9000 Simplex 4100 integration provides the following new objects for the C•CURE 9000 database:

- Simplex 4100 panel

  The Simplex 4100 Panel object in C•CURE 9000 is the parent object for Simplex 4100 Cards and Simplex 4100 Points. You can use it to synchronize data between Simplex 4100 Hardware and C•CURE 9000, view a synchronization report, and configure cards and points that you want to represent in C•CURE 9000.

- Simplex 4100 Card

  The Simplex 4100 card object is the parent object for fire points. Each fire point belongs to one Simplex 4100 Card, and one Card can have no more than 250 points. You do not create Simplex 4100 Cards manually; they are created automatically when you synchronize data from the Simplex 4100 hardware.

- Simplex 4100 Point

  There are two kinds of Simplex fire points. A physical point connects to sensors to detect fire status. A pseudo point presents Simplex 4100 hardware status. You can create a physical point manually, but you cannot create a pseudo point manually.

Triggers

The C•CURE 9000 Simplex Fire Alarm integration uses Triggers, which are configured procedures for activating fire alarm actions. A Trigger automatically executes a specified Action when a particular Condition occurs. The Actions that the C•CURE 9000 Simplex Fire Alarm integration implements are such fire alarm objects as fire alarm, and panel status change. When a Trigger is defined, the Action it specifies is the property of the target affected by the trigger itself. The C•CURE 9000 Simplex Fire Alarm integration can use Triggers to configure host events activated by communications failures.

Simplex 4100 Tasks

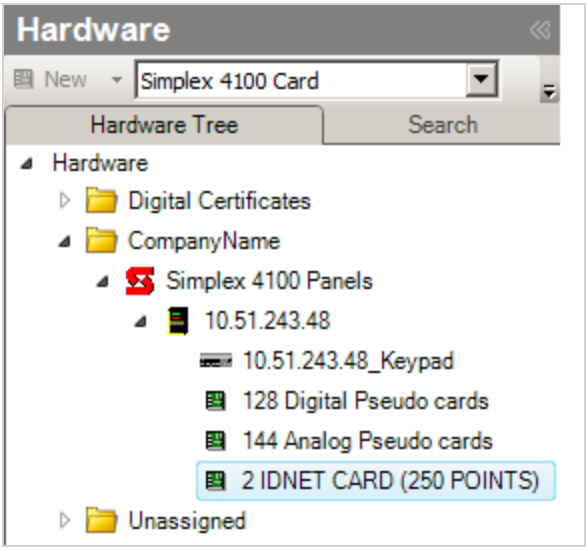
You can perform the following tasks with C•CURE 9000 Simplex 4100 integration:

- Install the C•CURE 9000 Simplex 4100 integration product (see Installation Overview on Page 24).
- Create a 4100 Panel Object (see Creating a Simplex 4100 Panel on Page 39).
- Configure a 4100 Panel Object (see Configuring a Simplex 4100 Panel on Page 41).
- Import Points using Data Acquisition (see Performing Simplex Panel Data Acquisition on Page 50).
- Configure Cards and Pseudo Points (see Configuring Cards and Points on Page 47).

Simplex 4100 integration Objects

When you create Simplex 4100 Panels, these objects appear in a folder in the C•CURE 9000 Hardware Tree, as shown in Figure 1-1 on Page 11.

Figure 1-1: Hardware Tree showing Simplex 4100 Panels Objects



Terminology

Table 1 on Page 11 lists some terms and definitions related to the C•CURE 9000 Simplex 4100 integration product.

Table 1: Simplex 4100 Terminology

Term	Definition
4120 Network	The UL 864-approved Simplex proprietary fire network – a token-ring network that is based on RS-485 transmission technology and supports copper and/or fiber connectivity.
CPP	Computer Port Protocol – a bi-directional serial communications protocol native to the 4100 series fire alarm panels. It supports unsolicited alarm notification and requests for status updates and provides access to panel health and diagnostic features.
FACP	Fire Alarm Control Panel – similar in content to the iSTAR controller except it can operate as a standalone panel (no server required).
Points	Inputs and outputs that are connected to the 4100 Fire Alarm Control Panel.
Function	The purpose of, or the action carried out by, a software or hardware component of a product.
I/O	Input output linking – an input event triggers a pre-defined output or chain of events
ISC	Integrated Security Controller – the field-located security controller for the iSecure system which supports functions such as card validation, door lock/unlock, and relay operation
TR	Technical Representative – SimplexGrinnell employee stationed in the field to install, program, and/or repair fire alarm and security systems.

Configuring the Connection to a Simplex 4100 Panel

The C•CURE 9000 Simplex Fire Alarm Interface is an intelligent hardware interface for the Simplex 4100 fire detection system hardware. The C•CURE Simplex Fire Alarm Interface (with the C•CURE 9000 system server acting as a database and journal host) and the Simplex 4100 hardware provide fire alarm notification and fire point synchronization. This section explains how to configure the Simplex Fire Alarm Interface in the C•CURE 9000 system.

Simplex 4100 Hardware Preparation

The Simplex 4100 hardware is an intelligent, network-ready fire detection system. The heart of the Simplex 4100 hardware is the fire point (sensor), that detect the fire status and notify an operator. Simplex 4100 hardware provides an RS-232 serial communication port to talk with the computer. Before you can connect Simplex 4100 hardware to the C•CURE Simplex Fire Alarm Interface, the Simplex 4100 hardware must have an RS-232 card and you must configure the Simplex 4100 hardware using the "4100 Programmer" which ships with the hardware.

Serial Connectivity Settings

The Simplex Fire Panel RS-232 card is connected to the C•CURE 9000 server's COM Port using a null-modem RS-232 cable with a DB25 connector on the Simplex Fire Panel end and a DB9 connector on the C•CURE 9000 server end.

NOTE Installation and configuration of the RS-232 card for the Simplex 4100 Fire Panel must be performed by the qualified personnel responsible for the installation and operation of the Simplex 4100 Fire Panel. Typically these procedures are the responsibility of a Fire Panel Administrator for the site. These personnel can provide to you the correct setting information so that you can configure C•CURE 9000 to communicate with the 4100 Fire Panel. Software House is not responsible for configuring the 4100 Fire Panel.

Both the Simplex 4100 hardware RS-232 card and the C•CURE 90000 Simplex Fire Alarm Interface need to be configured for the same communications settings. Table 2 on Page 12 shows the options available for the RS-232 card. The Default RS-232 card settings are the preferred/recommended settings. These must be set in the 4100 Programmer, and the job when built, and downloaded into the panel (along with additional settings described in the following sections).

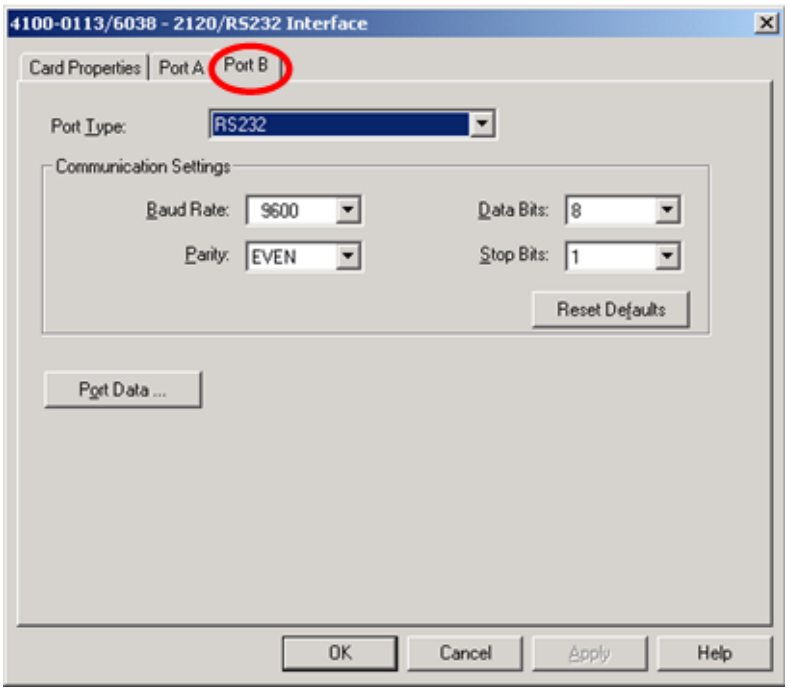
Table 2: Serial Connectivity Settings

C•CURE 9000	Field	Simplex Fire Panel
Serial COM Port		Simplex RS-232 card, Port B
DB9 connector		RS-232 null modem cable, DB25 connector
Serial Port Setting in Panel Editor General Tab	**Baud Rate**	RS-232 Card Setting Port B Tab **Baud Rate** field.
	Parity	RS-232 Card Setting Port B Tab **Parity** field.
	Data Bits	RS-232 Card Setting Port B Tab **Data Bits** field.
	Stop Bits	RS-232 Card Setting Port B Tab **Stop Bits** field.
	Job Number	4100 Programmer software or Fire Panel Administration personnel.

RS-232 Card Settings

When you configure the RS-232 Card Settings, you should use Port B, as shown in Figure 1-2 on Page 13, **not** Port A. Port A was designed to support a service modem. As a result it broadcasts a modem startup string when the panel is powered up, which can cause external programs to lock up. Port B does not have the startup string and thus is immune to this potential problem. With the communication settings confirmed, click the **Port Data** button.

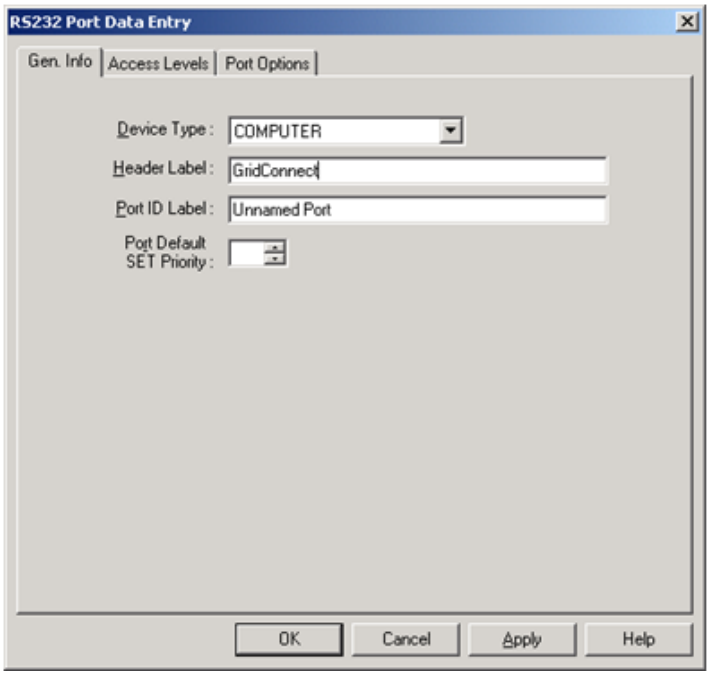
Figure 1-2: RS-232 Card Settings



Port Data Entry Settings

The RS-232 card has a number of configuration options for the device type, as shown in Figure 1-3 on Page 14. In this case, the RS-232 card **Device Type** field should be configured for COMPUTER. The **Port default SET priority** should be left at the default of 9. This restricts access to panel features such as Silence, Acknowledge, and Reset. These features will only be available from the Simplex 4100 front panel or on another approved network device like a workstation, NDU, or LCD Annunciator. You may wish to change the Header and Port ID labels so they will indicate BACnet or FieldServer interface. Next, click the **Access Level** tab.

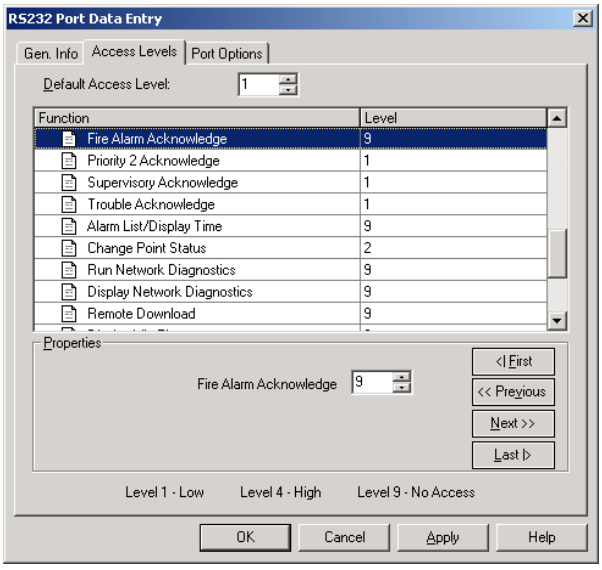
Figure 1-3: Port Data Entry Settings



Access Levels

The Access Levels tab settings, shown in Figure 1-4 on Page 14, should be left at the default levels–no changes should be made.

Figure 1-4: Access Levels



Port Options

The Port Options tab settings, shown in Figure 1-5 on Page 15, should also remain in the default state. These following three options provide some important features.

PROTOCOL – indicates that you will be using the Computer Port Protocol structure to send and receive messages. This protocol defines:

- How to structure a message.
- Which characters to use for the start and finish.
- How to maintain sequence numbers for message.
- How to calculate and where to locate the checksum in the message.

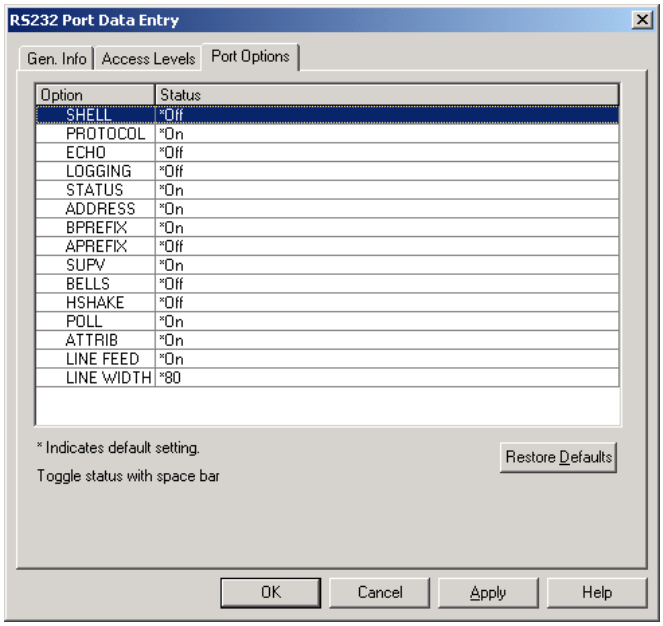
All of these features help to ensure that no messages are lost/missed and that the message is correct when it is received.

SUPV – Stands for supervision, which refers to the monitoring of the physical line connecting the two devices. This must be used in conjunction with POLL.

POLL – Stands for polling, which refers to the method of supervision used to monitor the line. In process control, this is sometimes referred to as a heartbeat. Every 30 seconds, the Fire Panel sends a message to the external device; the external device is expected to ACK the message and then send a message back to the panel, to which the panel replies with another ACK. If any part of the sequence does not occur, the panel starts the poll over. If any part should fail again, the panel reports Trouble (indicating Port B Abnormal), and begins trying to re-establish communications with the external device. Once the connection has been re-established, the trouble is cleared.

Supervision and Polling ensure that the communication link is in place and that the messages sent to and from the panel are received intact/not corrupted.

Figure 1-5: Port Options



Network Connectivity Settings

If You want to use **Network Port** to establish communication between C•CURE 9000 server and Simplex 4100 panel, you must use the third party device Lantronix UDS1100 to convert the serial port into network port. This is a brief instruction on how to install the UDS1100 hardware device and how to use it to convert a serial port to network port. See *UDS1100 User Guide* , provided by Lantronix, for more information.

UDS1100 Hardware Device Installation

To install hardware, complete the following steps:

To Install the UDS1100 Hardware

1. Connect the Serial port of Simplex 4100 panel RS-232 card to Serial port of UDS1100 unit by a “straight-through” RS-232 cable. Only the RX, TX and GND connections are used.
2. Connect an Ethernet cable to the RJ45 port of UDS1100 unit.
3. For the UDS1100-POE version, power is supplied to UDS1100 unit over the Ethernet interface using an 802.3af POE-compliant power source, such as a POE midspan or POE Ethernet switch.
4. For a non-POE UDS1100 unit, supply power to the UDS1100 unit using the power supply that was included in the packaging.

NOTE The required input voltage for the non-POE DUS1100 is 9-30 VDC (center +) or 10-24 VAC (1.5W maximum power required).

Figure 1-6: UDS1100-POE Version Connected to Serial Port of Simplex Panel and Network

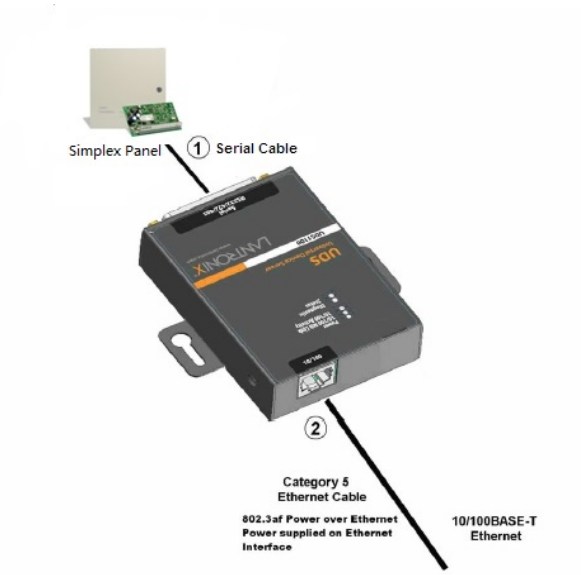
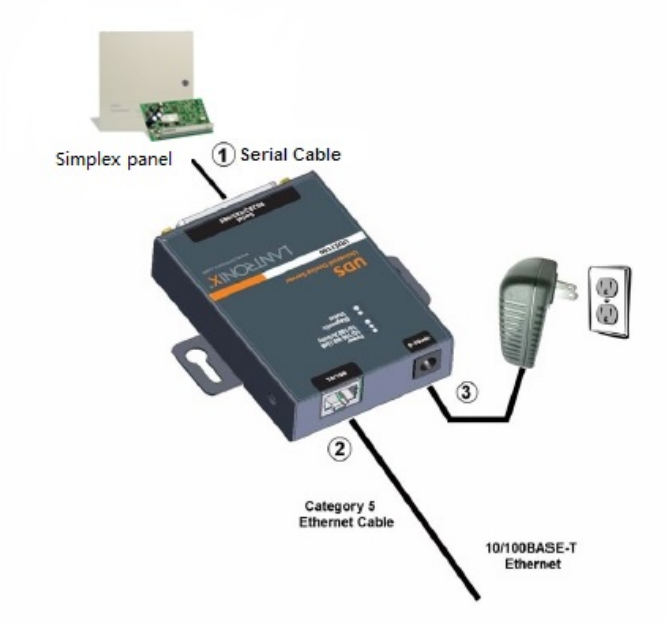


Figure 1-7: Standard UDS1100 Connected to Serial Port of Simplex Panel and Network



How to Assign IP Address and TCP Port

The following instructions assume you have installed Device Installer Utility. See *UDS1100 User Guide* for more information about Device Installer Utility.

To Set Serial Port

1. Open your Web Browser and type 172.18.11.190 in the Address Bar. (This is the default address.) The USD1100 prompts for a **User name** and **Password**.

Figure 1-8: User Name and Password

2. Perform one of the following:

   If no Telnet password has been defined (default), leave both fields blank and click **OK**.

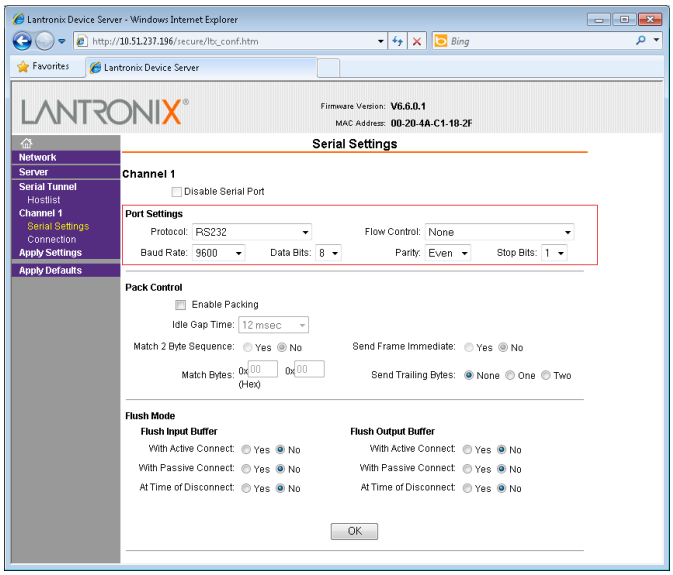
   If a Telnet password has been defined, leave the user name blank, type in the password, and then click **OK**.

   The Web-Manager displays.

Figure 1-9: Lantronix Web-Manage

3. Select **Channel 1->Serial Setting** from the left main menu. The Serial Setting page appears.

Figure 1-10: Serial Settings

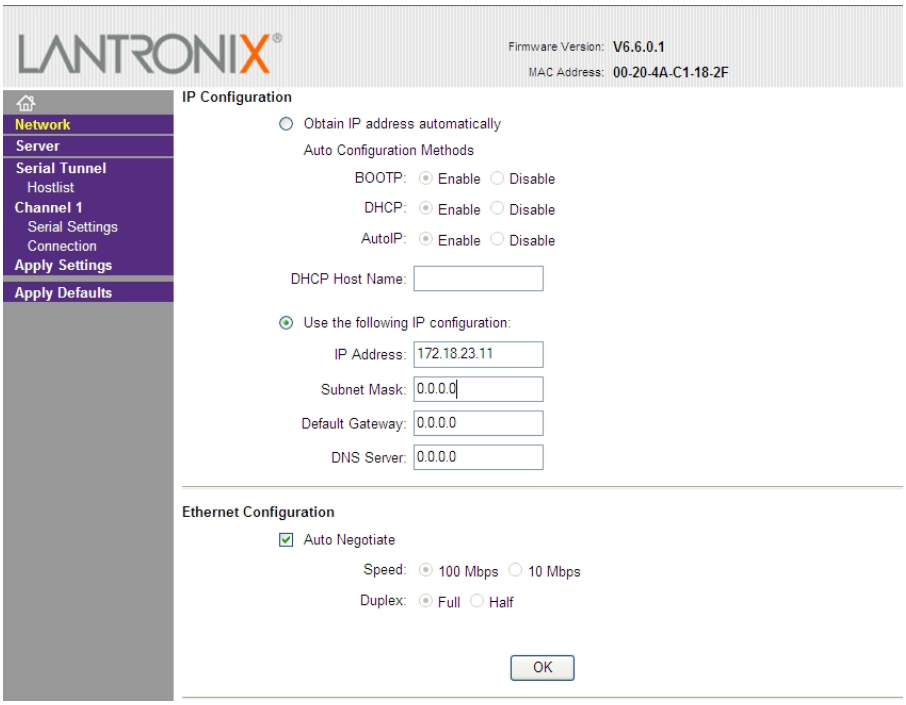


4. In **Serial Setting** page, configure the Port setting according to the serial port setting of Simplex 4100 hardware RS-232 card. They must be configured for the same communications settings.

To Assign an IP address

1. In the Web-Manager page, select **Network** from the left main menu. The Network Setting page appears.

Figure 1-11: Network Settings



2. In **Network Setting** page, you can assign an IP Address automatically or manually. The IP Address configured here is what you should enter in the IP Address field if you select **Network Port** in Simplex 4100 Panel General tab.

   If you want assign an IP Address automatically:

   a. Select **Obtain IP address automatically**.

   b. Select the following options (as necessary). Below is a description of these options.

Options	Descriptions
BOOTP	Select **Enable** to permit the Bootstrap Protocol (BOOTP) server to assign the IP address from a pool of addresses automatically. **Enable** is the default.
DHCP	Select **Enable** to permit the Dynamic Host Configuration Protocol (DHCP) to assign a leased IP address to the UDS 1100 unit automatically. **Enable** is the default.
AutoIP	Select **Enable** to permit the UDS1100 to generate an IP in the 169.254.x.x address range with a Class B subnet. **Enable** is the default.
DHCP Host Name	Enter the name of the host on the network providing the IP address.

   If you want assign an IP Address manually:

   a. Select **Use the following IP configuration.**

   b. Enter the following fields (as necessary). Below is a description of fields.

Fields	Descriptions
IP Address	If DHCP is not used to assign IP addresses, enter the address manually in decimal-dot notation. The IP address must be set to a unique value in the network.

Fields	Descriptions
Subnet Mask	A subnet mask defines the number of bits taken from the IP address that are assigned for the host part.
Default Gateway	The gateway address, or router, allows communication to other LAN segments. The gateway address should be the IP address of the router connected to the same LAN segment as the unit. The gateway address must be within the local network.
DHCP Server	The DNS server allows the name of a remote machine to be resolved automatically. Enter the IP address of the DNS server. If the device is DHCP enabled, the DHCP server provides the DNS server IP address, which

3. Select **Auto Negotiate** (as necessary). Below is a description of fields.

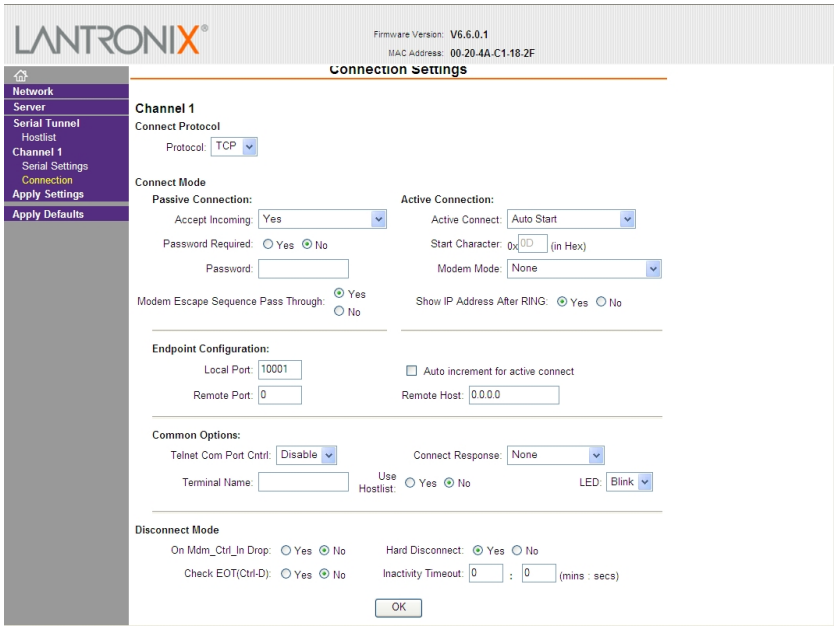
Fields	Descriptions
Auto Negotiate	With this option, the Ethernet port auto-negotiates the speed and duplex with the hardware endpoint to which it is connected. This is the default. If this option is not selected, **Speed** and **Duplex** become available: • **Speed**: The speed of data transmission. The default setting is **100 Maps**. • **Duplex**: The direction of data transmission. The default setting is **Full**.

4. Click **OK** to finish.

To Assign a TCP Port

1. In the Web-Manager page, select **Connection** from the left main menu. The **Connection Settings** page appears.

Figure 1-12: Connection Setting



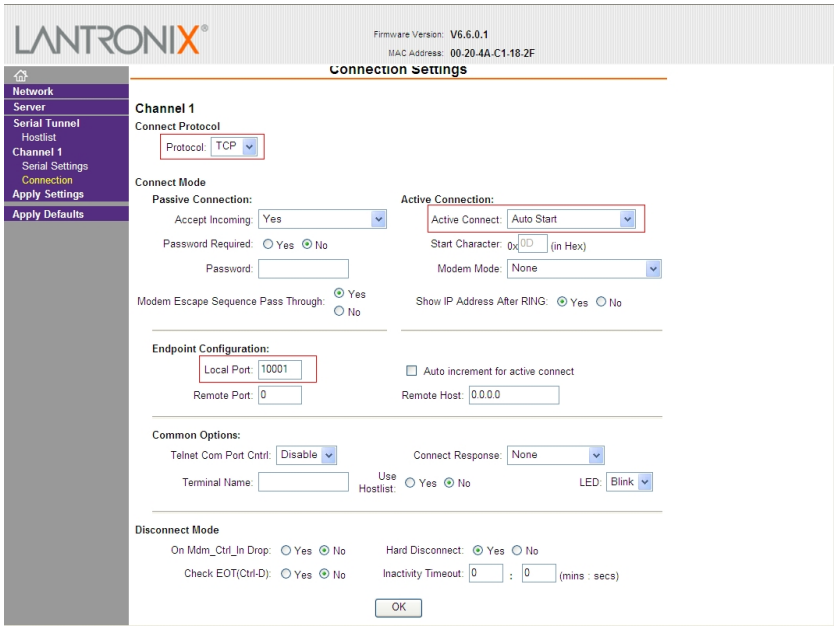
2. In **Connection Setting** page, make the following configuration.

   Select TCP in the **Protocol** drop-down list.

   Select **Auto Start** in the **Active Connect** drop-down list.

In the **Local Port** field, type the port number. This number is what you should enter in **TCP Port** field if you select **Network Port** in the Simplex 4100 Panel General tab.

Figure 1-13: Connection Setting Reference



3. Click **OK** to finish.

Licensing the Simplex 4100 Fire Alarm integration product

The Simplex 4100 Fire Alarm integration is a licensable option for a C•CURE 9000 Server. You must purchase a license to use this software.

When you access the C•CURE 9000 License application on your C•CURE 9000 server, you can see if your license includes the Simplex 4100 Fire Alarm Interface by running the C•CURE 9000 Licensing program (**Start>All Programs>Software House>C•CURE 9000>Licensing**) and clicking the **Options** tab. If the Simplex 4100 Fire Alarm Interface is selected (☑), you have a valid license.

If you do not have a license for the Simplex 4100 Fire Alarm Interface, contact Software House to purchase a license.

You can also view License information from the C•CURE 9000 Administration Client application About Box. Select **Help>About** from the Administration Client application, then click the License tab.

Using the Hardware Pane

C•CURE 9000 Simplex 4100 objects are created in the Hardware Pane on your C•CURE 9000 Administration Client application. Typically you would create a new folder in the Hardware Pane to contain your C•CURE 9000 Simplex 4100 objects.

To Create a New Hardware Folder

To create a new C•CURE 9000 Hardware folder to establish a company or facility and associate it with a Simplex 4100 Panel:

1. Click **Hardware** to open the Hardware Pane.
2. Right-click the Hardware Folder in the Hardware pane and select **Hardware Folder>New**.

The Hardware Folder dialog box opens for you to type a name in the **Name** field and a textual description in the **Description** field.

3. Click **Save and Close** to save your Hardware Folder.
4. After you create the new folder.

   You can right-click it to create a new Simplex 4100 Panel.

The Simplex 4100 Panel object represents the Simplex 4100 Fire Panel in the C•CURE 9000 database. The Simplex 4100 Panel is the parent object for Simplex 4100 Cards and Simplex 4100 Points. After you have created a Panel object, you can perform Data Acquisition to populate the panel with the Simplex 4100 Cards and Points that are attached to the Panel.

2

Installation

This chapter provides instructions for installing the C•CURE 9000 Simplex 4100 Fire Alarm Interface product.

In this chapter

Installation Overview 24
Getting the Simplex 4100 integration software 25
Installing the Simplex Fire Alarm integration 25
Uninstalling the Simplex Fire Alarm integration 33

Installation Overview

Before installing the Simplex 4100 Fire Alarm integration, you must first install C•CURE 9000 software on your target computers. For information on installing C•CURE 9000, refer to the *C•CURE 9000 Installation and Upgrade Guide*.

Similar to the C•CURE 9000 system, the Simplex Fire Alarm integration has Client and Server components. You must install these Client components on every computer that runs C•CURE 9000 client applications, and you must install the Server components on the C•CURE 9000 server computer. The Simplex Fire Alarm integration has the same hardware, software, and disk space requirements as C•CURE 9000; if the target computer can install C•CURE 9000, then it satisfies Simplex Fire Alarm integration requirements.

To install the Simplex Fire Alarm integration, you run the Simplex 4100 integration setup.exe from the Simplex 4100 integration installation kit.

A wizard prompts you to install the Simplex Fire Alarm integration. You need to perform the basic installation process described in the following pages on each computer in your C•CURE 9000 fire detection system. Be sure to close all C•CURE 9000 and virus-checking applications on client workstations.

Table 3 on Page 24 lists the steps to install and register the Simplex Fire Alarm integration on each computer in your fire detection system. Perform these steps in order.

Table 3: Standard Installation Tasks

Task	See…
1. Install C•CURE 9000.	*C•CURE 9000 Installation and Upgrade Guide*
2. Close any open applications and disable virus checking software.	
3. Perform the pre-installation steps.	See Before You Begin on Page 24
4. Start the Simplex Fire Alarm integration installation program.	See Installing the Simplex Fire Alarm integration on Page 25.
5. If you install Server Software, register the software.	
6. When the Installation and registration are complete, shut down and restart the computer.	

Before You Begin

You may need to perform some pre-installation steps before you install the Simplex Fire Alarm integration.

Checking Network Status

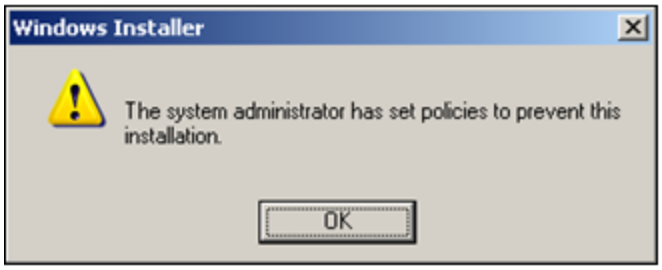
If you are installing C•CURE 9000 on a corporate network, be sure to coordinate with your corporate network administrator. Check that the network is working properly.

Checking System Privileges

To perform the installation, you must have appropriate Windows permissions. You must be in the local Administrators group, or have equivalent privileges. See the Microsoft Operating System documentation or your system administrator for more information.

If you do not have sufficient permissions, the error message shown in Figure 2-14 on Page 25displays:

Figure 2-14: Privileges Error Message



Database Installation

If you are installing server components of the Simplex Fire Alarm integration, the Simplex Fire Alarm integration will add some tables to the C•CURE 9000 database. Currently, the Simplex Fire Alarm integration does **not** support installation with C•CURE 9000 on an Oracle Database. Therefore you must install on a C•CURE 9000 system that is using SQL Server. The Simplex Fire Alarm integration install program automatically finds the C•CURE 9000 database and adds tables and initial data to it.

Getting the Simplex 4100 integration software

You can download the Simplex 4100 integration software from the Software House website.

Downloading the Simplex 4100 integration software from the Software House website

1. Open a browser and navigate to **www.swhouse.com**.
2. Select **Products**, and then select **Software Downloads** in the list.
3. When the login page opens, log in. If you do not have an account, you must create one.
4. Click the **Software Downloads** link.
5. On the **Software Downloads** page, select the "**Software House Connected**" link.
6. Select **Fire Alarm** from list.
7. When the Fire Alarm Driver Downloads list is displayed on the right hand of the page, select the SimplexGrinnel driver link for the version of C•CURE 9000 that you have installed.
8. Unzip the files to a folder on your local computer, or to a shared drive on the network.

Installing the Simplex Fire Alarm integration

This section provides the Simplex installation procedure. You can install the software to a drive from a local computer or from a shared drive over the network.

This section assumes that you meet all the requirements described in Pre-installation Requirements.

NOTE For information about sharing folders, refer to your Microsoft documentation or see your system administrator.

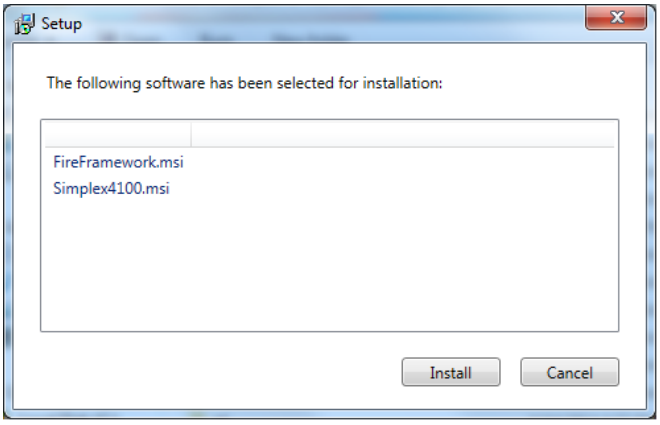
Running the Setup Program

To install the Simplex 4100 Fire Alarm integration, complete the following task:

To Run the Setup Program

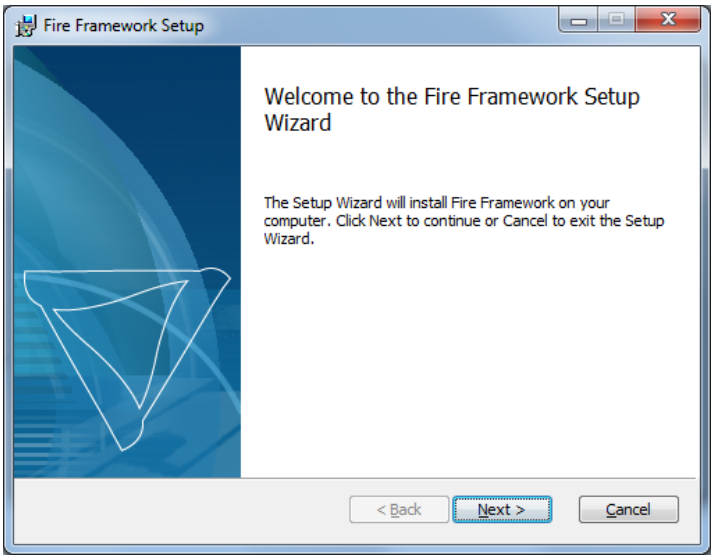
1. Log into the Server or Client with Windows administration privileges.
2. Navigate to the Simplex 4100 integration installer.
3. Right-click `setup.exe`, and select **Run as administrator**, the following confirmation dialog box appears.

Figure 2-15: Confirmation Dialog Box



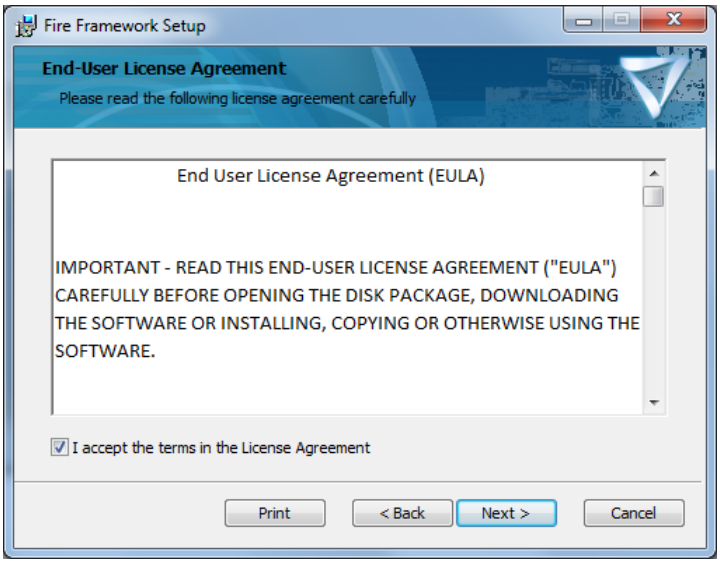
4. Click **Install**, Click Install, the Fire Framework Welcome dialog box appears. The fire framework is an inside component required by Simplex 4100 integration.

Figure 2-16: Fire Framework Welcome Dialog Box



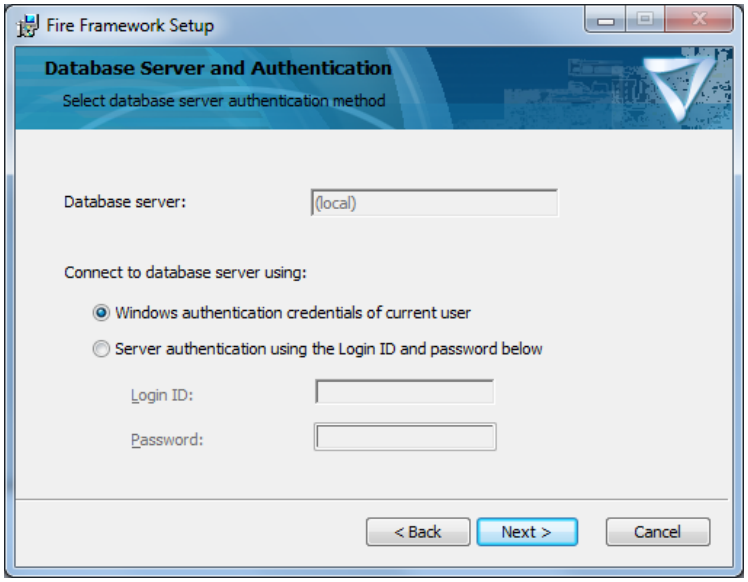
5. Click **Next** to continue the installation. A License Agreement dialog box opens.

Figure 2-17: Fire Framework EULA



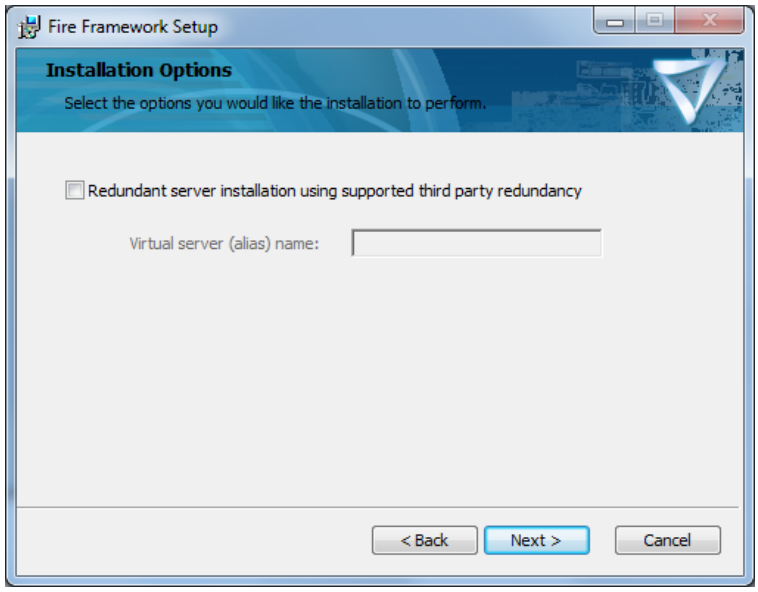
6. Select I accept the terms in the license agreement and click **Next**, a Database Server dialog box appears.

Figure 2-18: Database Server Dialog Box



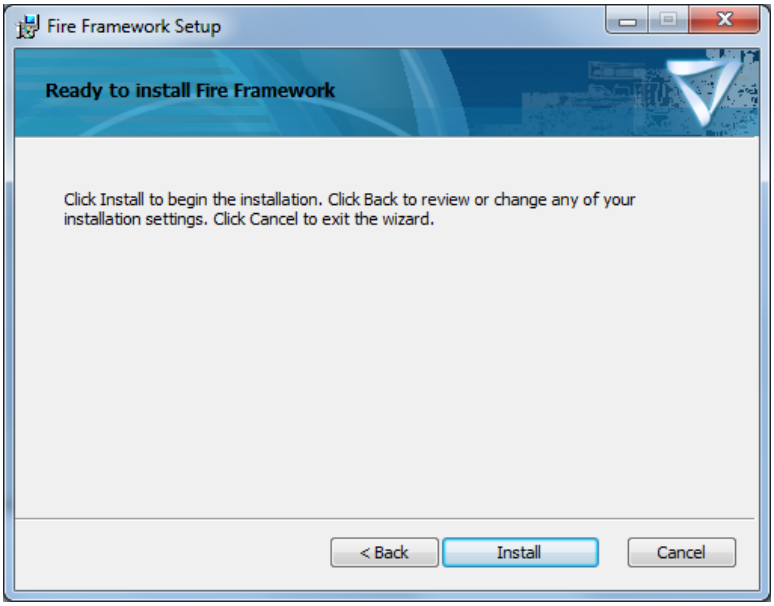
7. Click **Next**, the Redundant Server Setup dialog box appears.

Figure 2-19: Redundant Server Setup



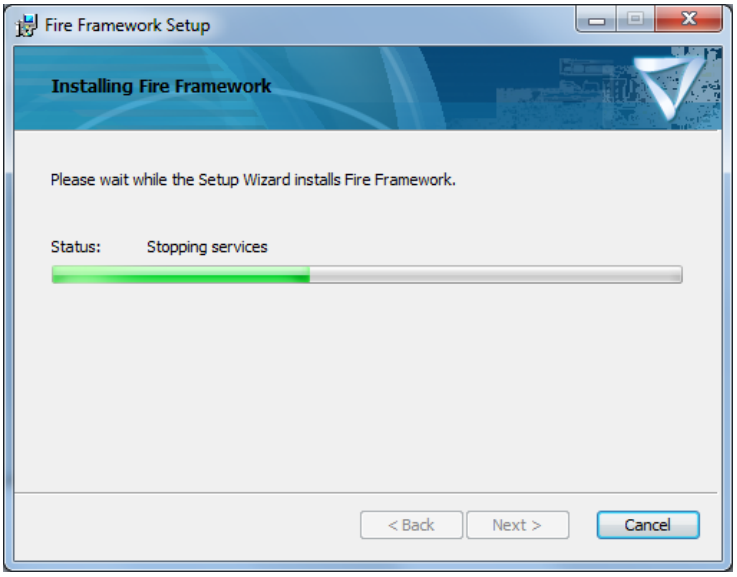
8. Click Next to open the Ready to Install the Program dialog box.

Figure 2-20: Ready to Install



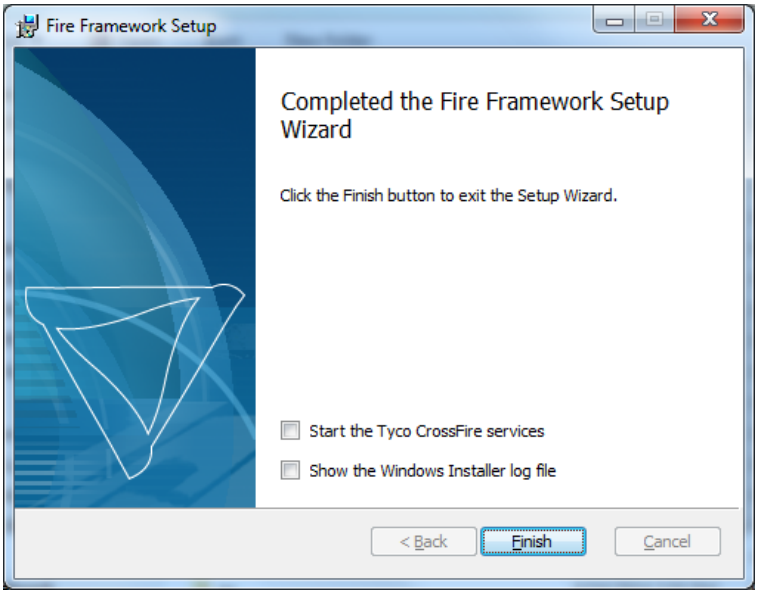
9. Click the **Install**, the installing progress dialog box appears.

Figure 2-21: Installing Fire Framework



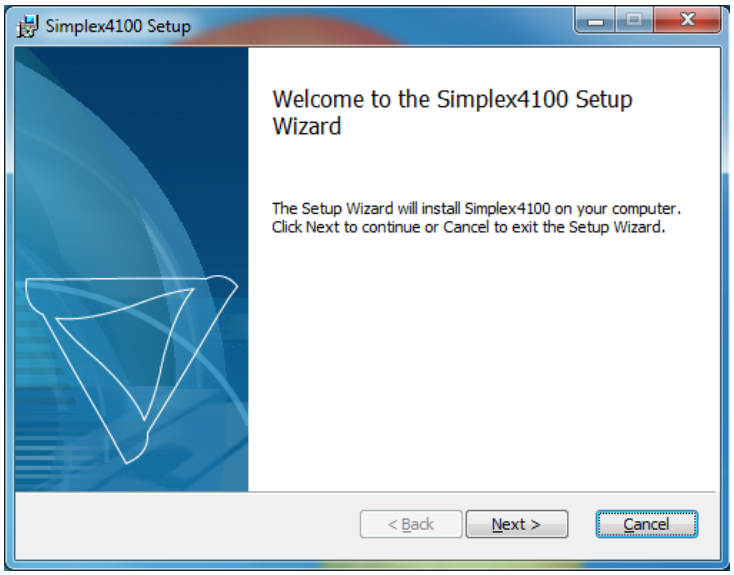
10. After finishing, the installation complete dialog box appears.

Figure 2-22: Fire Framework Completed



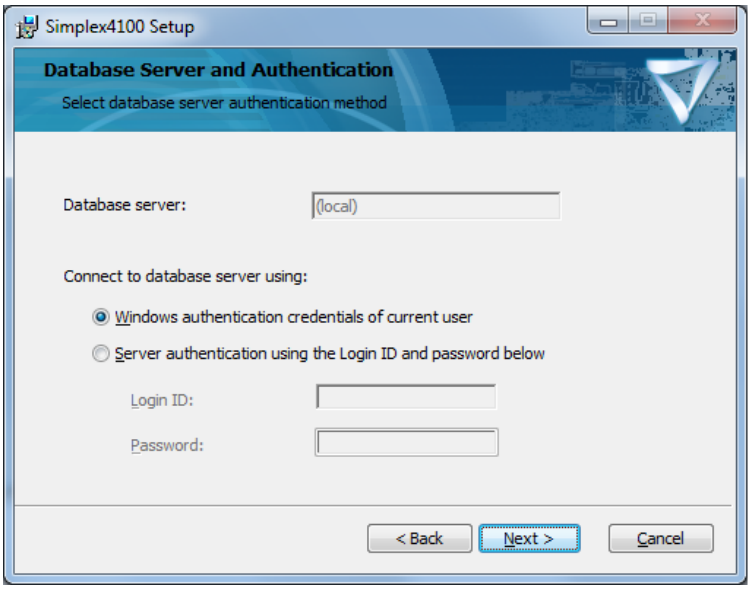
11. Click **Finish**, then start to install Simplex 4100 integration. The program checks the system to see if it meets minimum requirements. If minimum requirements are met, a Welcome dialog box opens.

Figure 2-23: Welcome Dialog Box



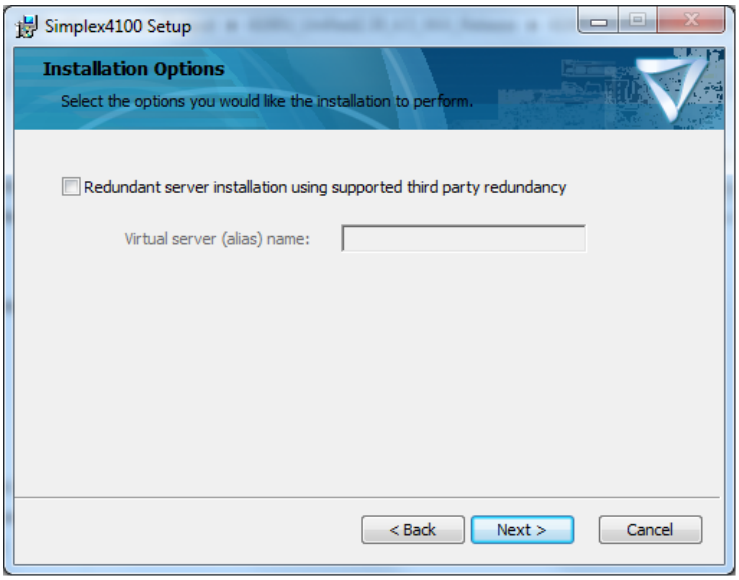
12. Click **Next** to continue the installation. A License Agreement dialog box opens.

Figure 2-24: Database Dialog Box



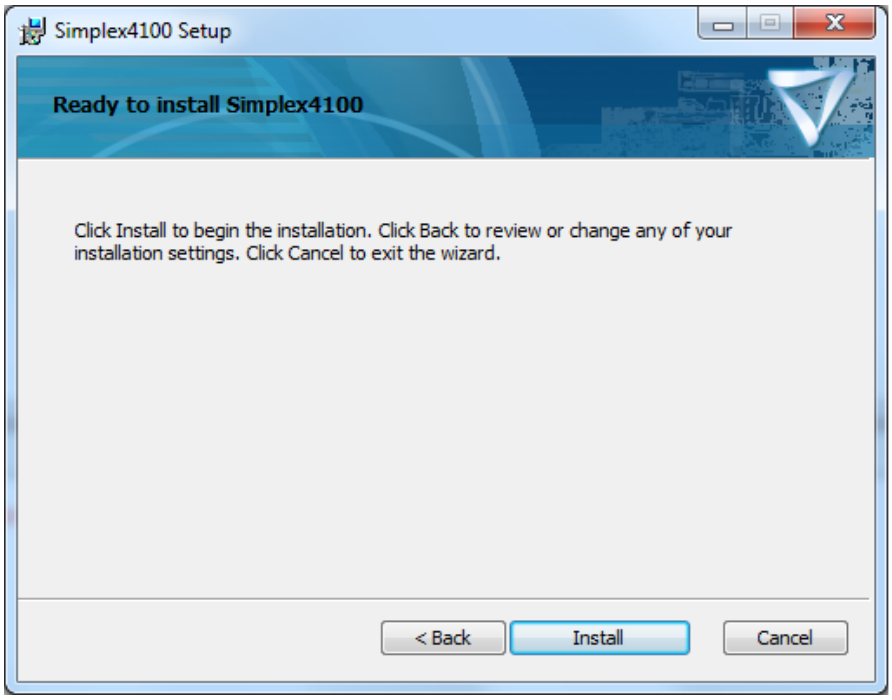
13. Click **Next**, the Redundant Server Setup dialog box appears. The Simplex Fire Alarm integration installation package will search for the C•CURE 9000 redundant server setting and display it in the dialog box (this field is read-only). Click **Next** to start the installation.

Figure 2-25: Redundant Server Setting Dialog Box



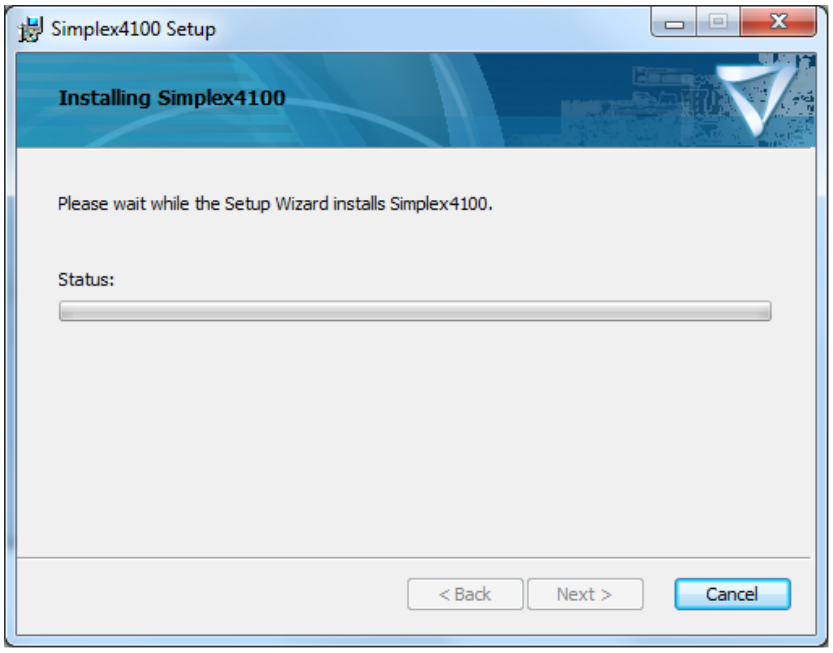
14. Click **Next** to continue the installation. The Ready to Install the Program dialog box appears. Click **Install** to start the installation.

Figure 2-26: Ready to Install the Program Dialog Box



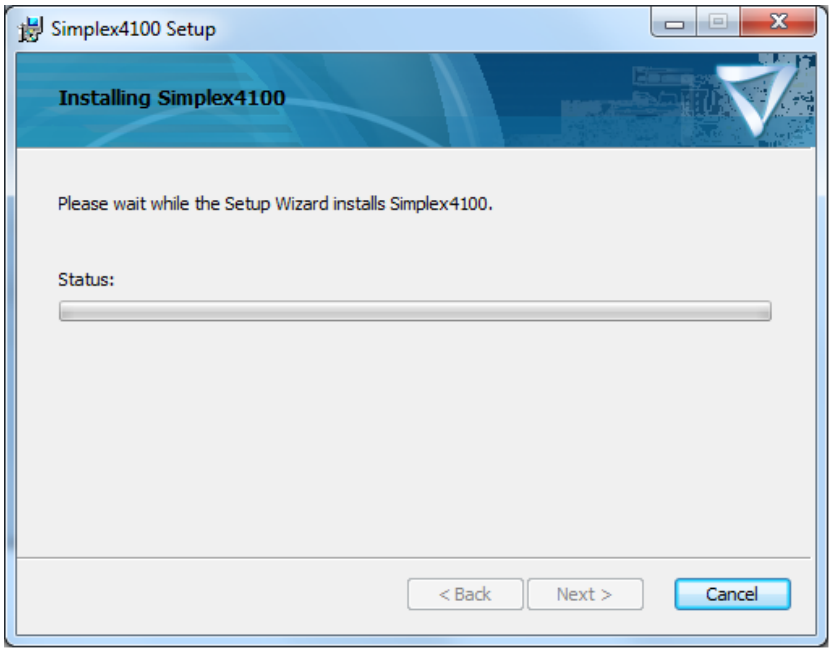
15. The Installing Progress dialog box appears.

Figure 2-27: Installation Progress Dialog Box



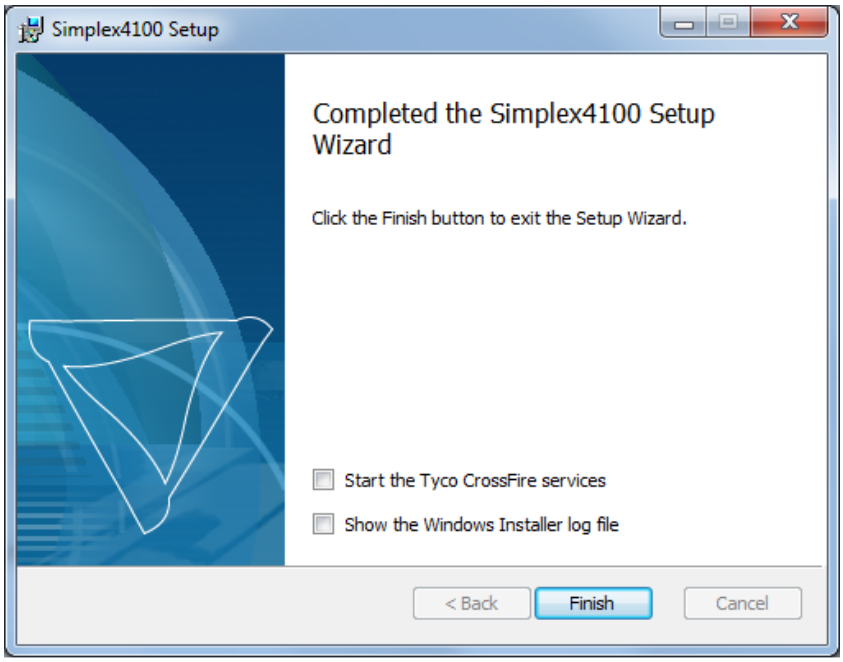
16. The Installing Progress dialog box appears.

Figure 2-28: Installation Progress Dialog Box



After a few minutes, the Installation Complete dialog box appears.

Figure 2-29: Installation Complete Dialog Box



17. Click **Finish** to complete the installation process.

NOTE Before you can configure a Simplex 4100 Panel, you must start the Simplex 4100 Hardware integration using the **Server Configuration** Application **Services** tab.

1. From the Start Menu, select **Start>All Programs>Software House>Server Configuration**.
2. Click the **Services** tab.
3. Select the **Enabled** check box for the **SoftwareHouse CrossFire Simplex4100 Driver Service** and then start the service.

Uninstalling the Simplex Fire Alarm integration

This section describes how to uninstall the Simplex Fire Alarm integration software from the Server computer and from each Client computer in your security system.

The Uninstall process removes all software components that were installed on the computer by the Simplex Fire Alarm integration installation program.

Please be advised that the Simplex integration uninstall will shut down and restart the C•CURE 9000 services. Therefore, the Simplex integration uninstall should be planned accordingly.

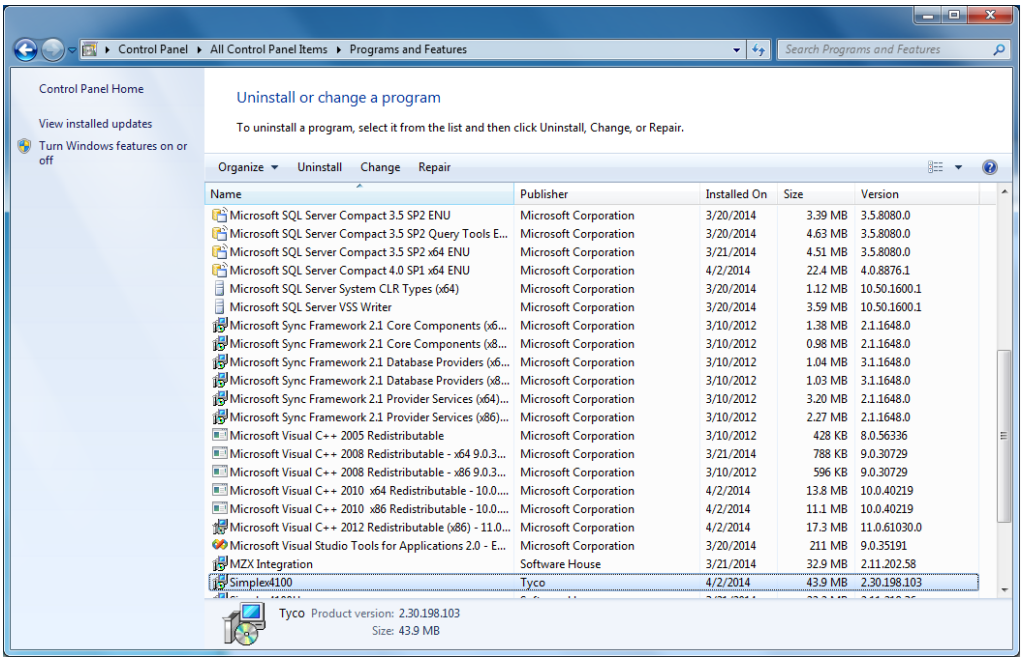
Uninstalling this integration does not automatically remove objects that were configured in the C•CURE 9000 using it. Before you proceed with this uninstall, you MUST manually remove the objects from C•CURE 9000 to avoid potential issues with functions, such as partition deletion. Unless you intend to reinstall the integration and continue using it, please ensure that the objects are deleted before removing the integration.

Once the uninstall process completes, the computer will be in a "clean" state.

To Uninstall the Simplex Fire Alarm integration

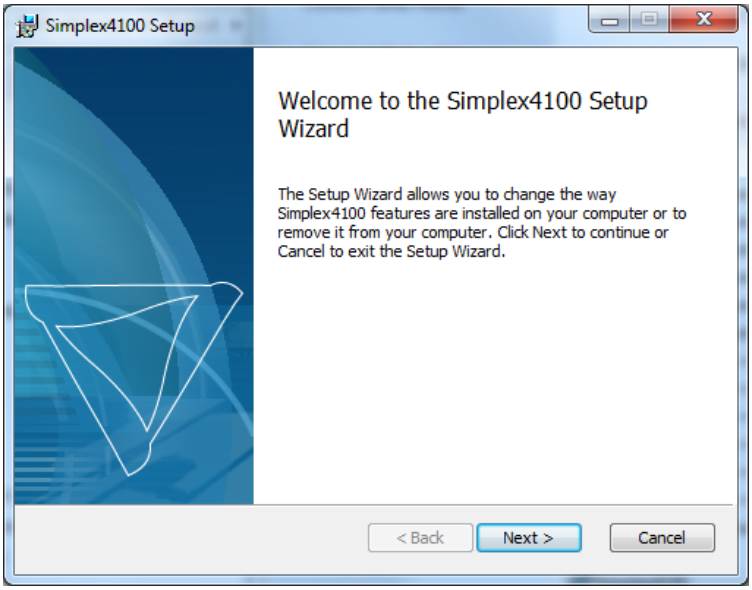
1. On the Windows Start menu, select **Settings>Control Panel**.
2. Double-click **Add/Remove Programs**. The Add/Remove Programs dialog box appears (see Figure 2-30 on Page 34.)

Figure 2-30: Add/Remove Programs



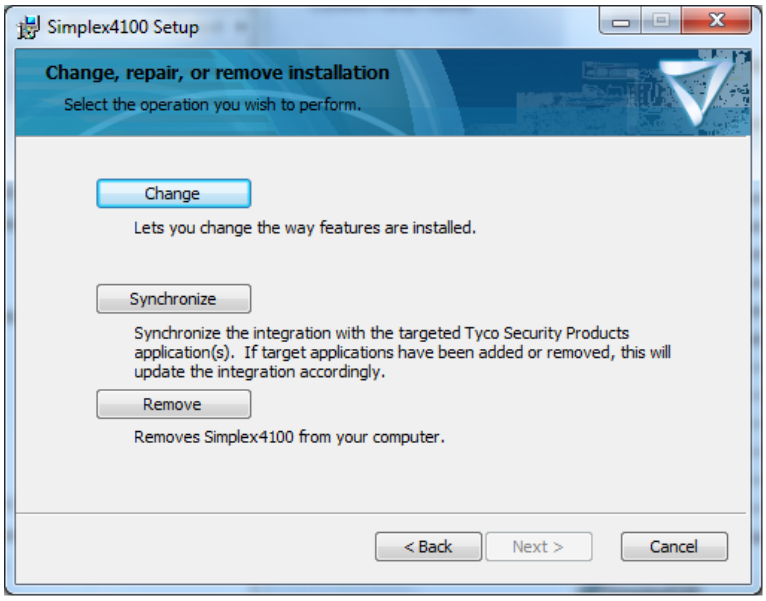
3. Select **Simplex4100** from the list.
4. Click **Change/Remove**. The C•CURE 9000 Simplex 4100 Service Setup dialog box appears (see Figure 2-31 on Page 34.)

Figure 2-31: C•CURE 9000 Simplex 4100 Service Setup Dialog Box



5. Click **Next** and the Simplex Program Maintenance dialog box appears.(see Figure 2-32 on Page 35).

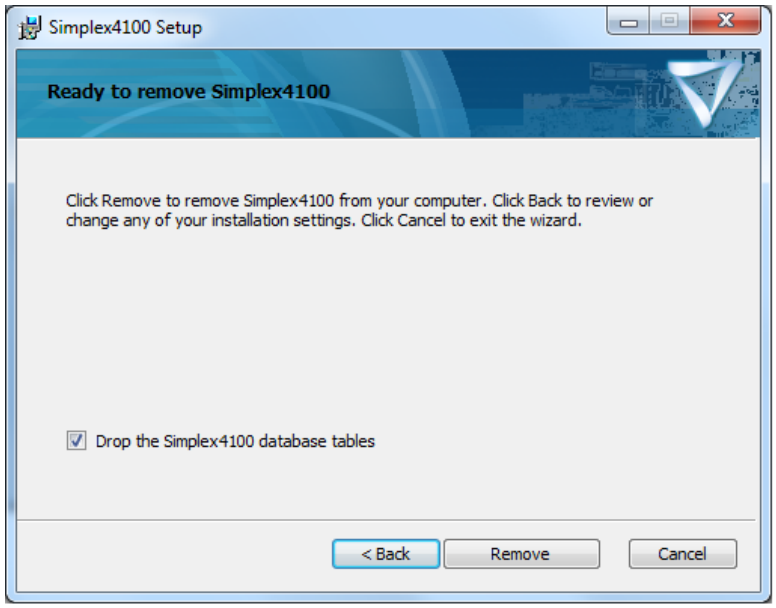
Figure 2-32: Program Maintenance Dialog Box



6. Select **Remove** to remove the Simplex 4100 integration. Click **Next** on the Simplex Program Maintenance dialog box.

The Uninstall Options dialog box appears.

Figure 2-33: Uninstall Options Dialog Box

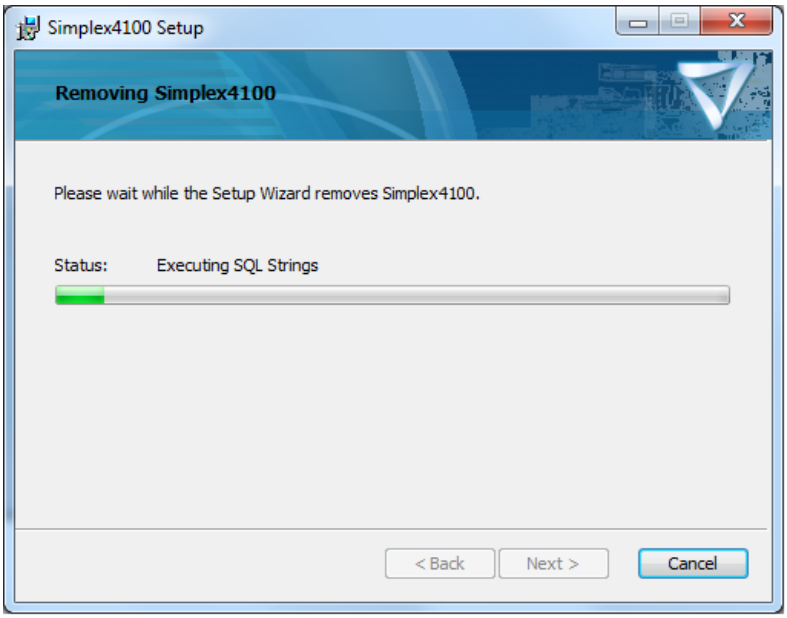


7. (Optional) To uninstall the database, select the **Drop the Simplex4100 database tables** check box.

8. Click the **Remove** button.

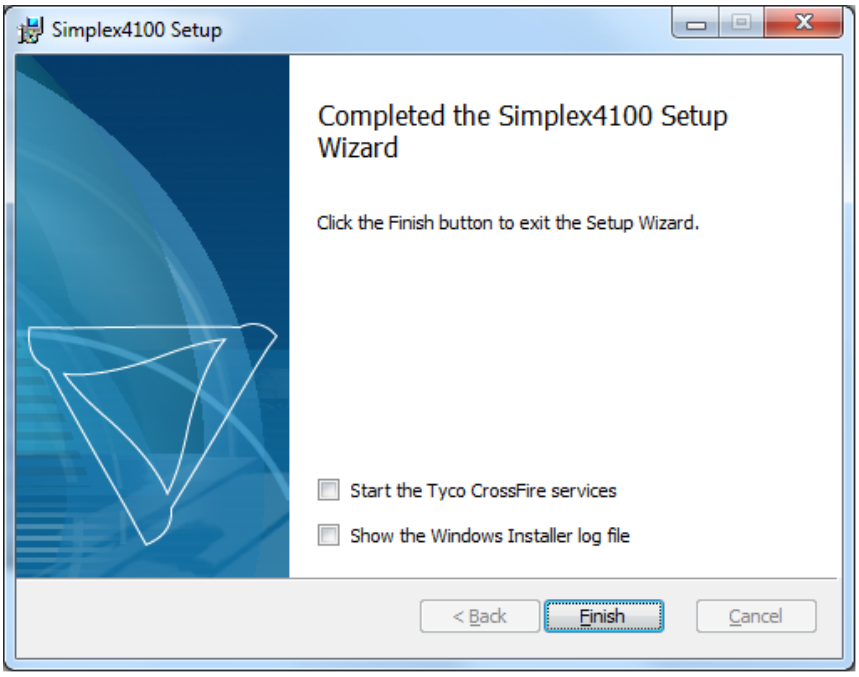
The Uninstalling C•CURE 9000 Simplex 4100 Service dialog box appears.

Figure 2-34: Uninstalling C•CURE 9000 Simplex 4100 Service Dialog Box



The C•CURE 9000 Simplex 4100 Service Setup Complete Dialog Box appears. Click **Finish** to finish uninstallation.

Figure 2-35: C•CURE 9000 Simplex 4100 Service Setup Complete Dialog Box



3

Simplex 4100 Panel Editor

In this Chapter

Simplex 4100 Panel Editor Overview 38
Accessing the Simplex 4100 Panel Editor 38
Creating a Simplex 4100 Panel 39
Deleting a Simplex 4100 Panel 39
Simplex 4100 Panel General Tab 40
Configuring a Simplex 4100 Panel 41
Simplex 4100 Panel Basic Information Tab 42
Simplex 4100 Panel Triggers Tab 42
Defining Triggers for a Simplex 4100 Panel 44
Simplex 4100 Panel Status Tab 45
Simplex 4100 Panel State Images Tab 46
Customizing State Images for a Simplex 4100 Panel 47
Configuring Cards and Points 47
Performing Simplex Panel Data Acquisition 50
Viewing Import Reports 53
Viewing a List of Simplex 4100 Panels 57
Finding a Simplex Panel in the Journal 57
Finding a Simplex Panel in the Audit Log 58

Simplex 4100 Panel Editor Overview

You can configure a Simplex 4100 Panel object using the Simplex 4100 Panel Editor.

Simplex 4100 Panel Editor Tabs

The Simplex 4100 Panel Editor has the following tabs:

- Simplex 4100 Panel General Tab on Page 40
- Simplex 4100 Panel Basic Information Tab on Page 42
- Simplex 4100 Panel Triggers Tab on Page 42
- Simplex 4100 Panel Status Tab on Page 45
- Simplex 4100 Panel State Images Tab on Page 46

Simplex 4100 Panel Editor Tasks

You can perform the following tasks when configuring a Simplex 4100 Panel object:

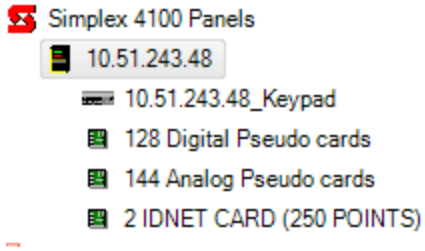
- Accessing the Simplex 4100 Panel Editor on Page 38
- Creating a Simplex 4100 Panel on Page 39
- Configuring a Simplex 4100 Panel on Page 41
- Performing Simplex Panel Data Acquisition on Page 50
- Configuring Cards and Points on Page 47
- Viewing Import Reports on Page 53
- Customizing State Images for a Simplex 4100 Panel on Page 47
- Finding a Simplex Panel in the Audit Log on Page 58
- Finding a Simplex Panel in the Journal on Page 57

Accessing the Simplex 4100 Panel Editor

You can access the Simplex 4100 Panel Editor to create a Simplex 4100 Panel, or configure an existing one.

To Access the Simplex 4100 Panel Editor

1. In the Navigation pane of the C•CURE 9000 Administration workstation, click **Hardware**. The Hardware pane opens.
2. Open the Hardware Folder containing your Simplex 4100 Panel by clicking ▷ to the left of the folder.
3. Open the Simplex 4100 folder by clicking ▷ to the left of folder.



4. To open the Simplex 4100 Panel Editor to edit an existing Simplex Panel, double-click a Simplex 4100 Panel icon or name.

   To create a new Simplex 4100 Panel and edit it with the Simplex 4100 Panel Editor, right-click the folder and select **Simplex Panel>New** from the context menu.

   The Simplex 4100 Panel Editor opens with the General tab visible.

Creating a Simplex 4100 Panel

C•CURE 9000 Simplex 4100 integration supports multiple Simplex 4100 panels.

Perform the following steps to create a new Simplex 4100 Panel.

To Create a Simplex 4100 Panel

1. In the Navigation Pane of the Administration Workstation, click **Hardware** to open the Hardware pane.
2. Right-click the company name folder in the Hardware pane tree. (Alternatively, you can create a new hardware folder to contain your Simplex 4100 panel by right-clicking Hardware and choosing **New Folder**.)
3. Select Simplex 4100 Panel and click **New**.
4. The Simplex 4100 Panel Editor opens, allowing you to configure the Panel. See Configuring a Simplex 4100 Panel on Page 41 for more information.
5. To save the new Simplex 4100 panel, click Save and Close.

   Alternatively, if you want to save the Panel and create a new one, click Save and New. The Simplex 4100 Panel Editor remains open to allow you to create a new Panel.

Deleting a Simplex 4100 Panel

You can delete a Simplex 4100 Panel if you no longer need it.

To Delete a Simplex 4100 Panel

1. In the Navigation Pane of the Administration Workstation, click **Hardware** to open the Hardware pane.
2. Select **Simplex 4100 Panel** from the Hardware pane drop-down list.
3. Click to open a Dynamic View showing all Simplex 4100 Panel objects.
4. Right-click the Simplex 4100 panel in the list that you want to delete and select **Delete** from the context menu.

   A message box appears stating “All children cards and points of the panel will be deleted. Do you want to continue?”

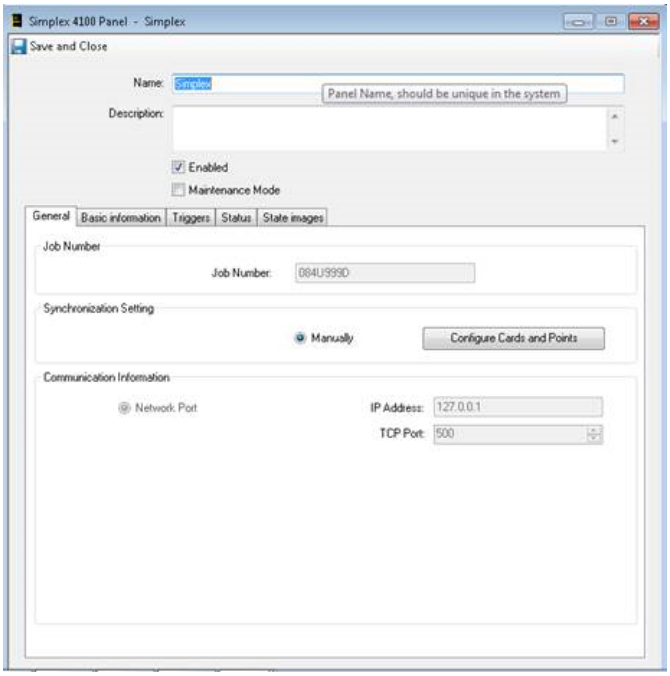
5. Click **Yes** in the message box to delete the panel.

NOTE Only a disabled Simplex 4100 Panel can be deleted. To disable a Simplex 4100 Panel, edit the Simplex 4100 Panel and change the **Enabled** option from ☑ to ☐ (see Configuring a Simplex 4100 Panel on Page 41).

Simplex 4100 Panel General Tab

The Simplex 4100 Panel General tab, shown in Figure 3-36 on Page 40, lets you set the Simplex 4100 panel Job Number, Synchronization Setting and Communication Information. (The Job Number is a unique number that identifies specific Simplex 4100 Panel hardware.) You must know the job number for your panel before you can configure the Simplex 4100 Panel in the C•CURE 9000 System.

Figure 3-36: Simplex 4100 Panel General Tab



Simplex 4100 Panel General Tab Definitions

Table 4 on Page 40 provides definitions for the fields and buttons on the Simplex 4100 Panel General Tab.

Table 4: Simplex 4100 Panel General Tab Definitions

Field	Definition
Name	Enter a unique name up to 50 characters long for the Simplex 4100 panel. If you enter the name of an existing object, the system will not save the object, and will display an error message indicating there is a conflict. Choose a different name.
Description	Enter a general comment about the Simplex 4100 panel that will help you identify the Panel. This text is for information only.
Enabled	Select the **Enabled** option to put the Simplex 4100 panel online.

Field	Definition
Job Number	Job Number is a unique eight-character string that can include alphabetic characters and numbers. It identifies specific Simplex 4100 hardware. The job number is built into the Simplex 4100 hardware and cannot be changed. You must obtain the job number before you can configure the Simplex 4100 panel in the C•CURE System. You find the job number in the “4100 Programmer” which ships with the Simplex 4100 hardware. You must enter a job number when you create a Simplex 4100 panel, and you can't create a Simplex 4100 panel with a duplicate job number. The job number cannot be modified after the Simplex 4100 panel has been created.
Configure Cards and Points	Click this button to configure cards and points used when Data Acquisition.
Communication Information	You can set communication information in this box. **Network Port** -When you use UDS1100 to convert the serial port of RS-232 card into a network port, select the **Network Port**. Type the IP address and TCP Port of this network port, with which C•CURE 9000 server can remote manage Simplex Fire panel. When **Network Port** is selected, **Serial Port** setting is grayed out. **Serial Port** -When you connect the serial port of RS-232 card directly to C•CURE 9000 server's COM Port, select the **Serial Port**. In the COM Port drop-down list, select the COM Port connected to the serial port of RS-232 card, with which C•CURE 9000 server' communicates with Simplex Fire panel. When **Serial Port** is selected, **Network Port** setting is grayed out.

Configuring a Simplex 4100 Panel

You can use the Simplex 4100 Panel Editor to configure settings for the Simplex 4100 Panel.

To Configure a Simplex 4100 Panel

1. In the Navigation Pane of the Administration Workstation, click **Hardware** to open the Hardware pane.
2. Select **Simplex 4100 Panel** from the Hardware pane drop-down list.
3. Click  to open a Dynamic View showing Simplex 4100 Panel objects.
4. Double-click the Simplex 4100 panel in the list that you want to modify. The Simplex 4100 Panel Editor opens.
5. Type a unique name in the **Name** field.
6. Type a textual description for the Simplex 4100 in the **Description** field.
7. Click the **Enabled** option to put the Simplex 4100 panel online.
8. Provide the Job Number for this Panel. See Simplex 4100 Panel General Tab Definitions on Page 40 for more detail on the Job Number.
9. Select **Manually** for the **Synchronization Setting**. See the Simplex 4100 Panel General Tab Definitions on Page 40 for more detail on selecting a Synchronization Setting.

   NOTE After you set the synchronization setting, use the Data Acquisition menu to initialize the Simplex 4100 panel.

10. See Simplex 4100 Panel General Tab Definitions on Page 40 to configure communication information.
11. You can click the Triggers tab to configure Triggers for the Simplex 4100 Panel. See Defining Triggers for a Simplex 4100 Panel on Page 44.

12. You can click the State Images tab to view the state images for the Simplex 4100 Panel, and optionally customize the state images. See Customizing State Images for a Simplex 4100 Panel on Page 47.
13. If you are done editing the Simplex 4100 Panel, click Save and Close to save the Panel's configuration.

    Alternatively, if you want to save the Panel and create a new one, click Save and New. The Simplex 4100 Panel Editor remains open to allow you to create a new Panel.

Simplex 4100 Panel Basic Information Tab

The Simplex 4100 Panel Basic Information tab displays information about the Simplex 4100 hardware. When you create a new Simplex 4100 panel, this tab is empty. The Basic Information tab is filled in automatically when you establish communications with the Simplex 4100 Panel.

Simplex 4100 Panel Basic Information Tab Definitions

The Simplex 4100 Panel Basic Information tab has the fields described in Table 5 on Page 42. All fields are read-only.

Table 5: Simplex 4100 Panel Basic Information Tab Definitions

Field	Definition
Panel Serial Number	The Panel serial number identifies the Simplex 4100 Panel hardware
Job Revision	The current job in the Simplex 4100 Panel hardware. When the Simplex 4100 Panel hardware is upgraded, the job revision increases.
System Revision	The Simplex 4100 Panel hardware system revision. Currently, the Simplex Fire Alarm Interface only supports System Revision 2.02 or later.
Build Time	The date and time when the current job revision was created in the Simplex 4100 Panel hardware.
CFIG Format	The current database format of the configuration file that is downloaded to the 4100 panel. The CFIG file contains all of the data for the specific fire system.

Simplex 4100 Panel Triggers Tab

C•CURE 9000 uses Triggers, which are configured procedures for activating events based on properties of an object. A Trigger automatically executes a specified Action when a particular predefined condition occurs. Figure 3-37 on Page 43 shows the Simplex 4100 Panel Triggers tab.

Figure 3-37: Simplex 4100 Panel Triggers Tab

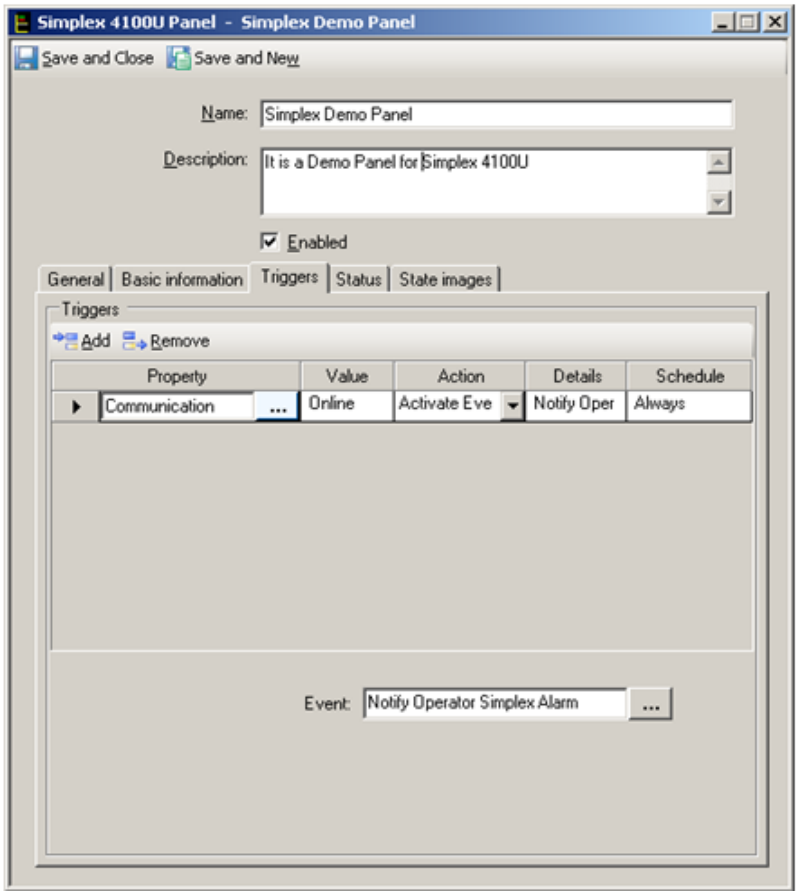


Table 6 on Page 43 contains an example of how a Trigger is configured.

Table 6: Triggers Tab Settings Example

The following Triggers tab settings:				
Property	**Value**	**Action**	**Details**	**Schedule**
CommunicationStatus	CommFail	Activate Event	Simplex Panel Event	Always
Would create the following Trigger: Any time (Always **Schedule**) the CommunicationStatus (**Property**) equals CommFail (**Value**), activate the event (**Action**) named Simplex Panel Event (**Details**). **Simplex Panel Event** is an Event that you would need to create using the Event Editor.				

Simplex 4100 Panel Triggers Tab Definitions

Table 7 on Page 43 provides definitions for the fields and buttons that appear on the Simplex 4100 Panel Triggers tab.

Table 7: Simplex 4100 Panel Triggers Tab Definitions

Field	Description
Add	Click Add in the Triggers tab to create a new trigger.
Remove	Click the row and click Remove in the Triggers tab to delete a trigger
Property	Click within the Property column, and then click ... . The Property browser opens presenting properties available for the Panel. Click a Property to select it and add it to the column.
Value	Click within the Value column to display a drop-down list of Values associated with the Property that you have selected. Click a Value that you want to include as a parameter for the trigger to add it to the column.
Action	Click within the Action column to display a drop-down list of valid actions. Click on Action that you want to include as a parameter for the trigger to add it to the column. As you select an Action, a corresponding entry field, or group of entry fields, appear at the bottom of the dialog box. Click ... to select entries for these fields.
Details	Displays details about how the Action was configured.
Schedule	Click within the Schedule column to select a Schedule. Click ... to select a Schedule that you want to associate with the trigger. Schedules are created in the Configuration Pane.

Simplex 4100 Panel Triggers Tab Tasks

See Defining Triggers for a Simplex 4100 Panel on Page 44 for steps to define Triggers for your Simplex 4100 Panel.

Defining Triggers for a Simplex 4100 Panel

Perform the following steps to create a Trigger for a Simplex 4100 Panel.

To Create a Trigger for a Simplex 4100 Panel

1. From the Simplex Panel dialog box, navigate to the Triggers tab.
2. Click Add in the Triggers tab to create a new Trigger.
3. Click ... within the **Property** column to open the Simplex Panel dialog box showing the Properties available for the Panel.
4. Click a Property to select it and add it to the **Property** column.
5. Click within the **Value** column to display a drop-down list of Values associated with the Property that you have selected. Click a Value that you want to include as a parameter for the trigger to add it to the column. (If there is no set list of Values, you can type in a Value.)
6. Click within the **Action** column to display a drop-down list of valid actions. Click an Action that you want to include as a parameter for the trigger to add it to the column.

   When you select an Action, the lower pane in the Triggers box displays an entry field or group of entry fields, specific to the selected Action, so that you can configure the Details for the Action.

   Once you define the Action details, the Details column displays information about how the Action has been configured.

   For example, if an Event field is displayed in Details, you can click ... to select an Event that you want to associate with the Trigger.

7. Click Save and Close to save the Simplex 4100 Panel with the Trigger you configured.

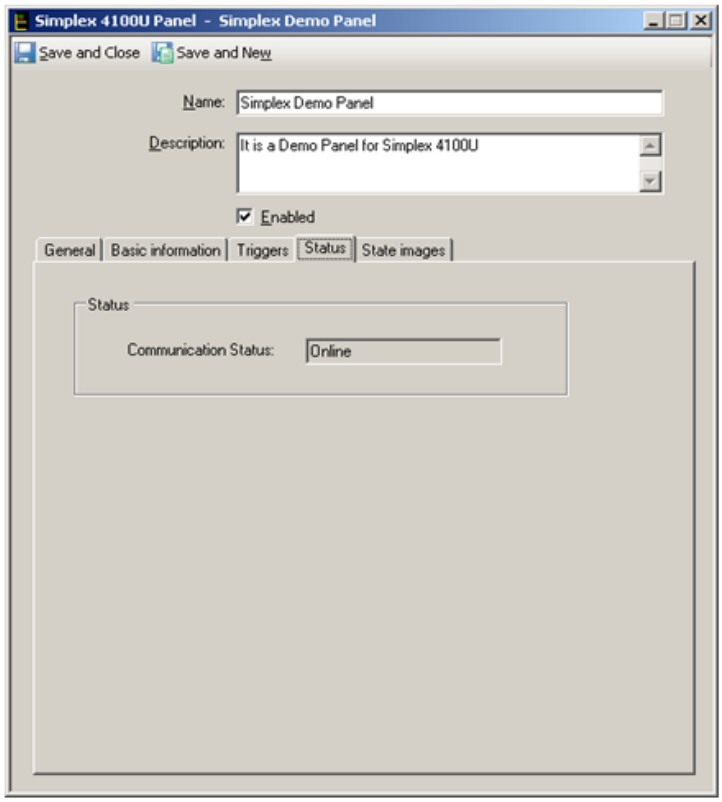
To Remove a Trigger

1. From the Simplex Panel dialog box, navigate to the Triggers tab.
2. Use ▸ to select the row in the Triggers table for the Trigger you want to remove.
3. Click Remove.
4. Click Save and Close to save the Simplex Panel.

Simplex 4100 Panel Status Tab

The Simplex 4100 Panel Status tab (see Figure 3-38 on Page 45) provides read-only status information about the Simplex 4100 Panel object.

Figure 3-38: Simplex 4100 Panel Status Tab



Simplex 4100 Panel Status Tab Definitions

Table 8 on Page 46 provides definitions for the values of the Communications Status field.

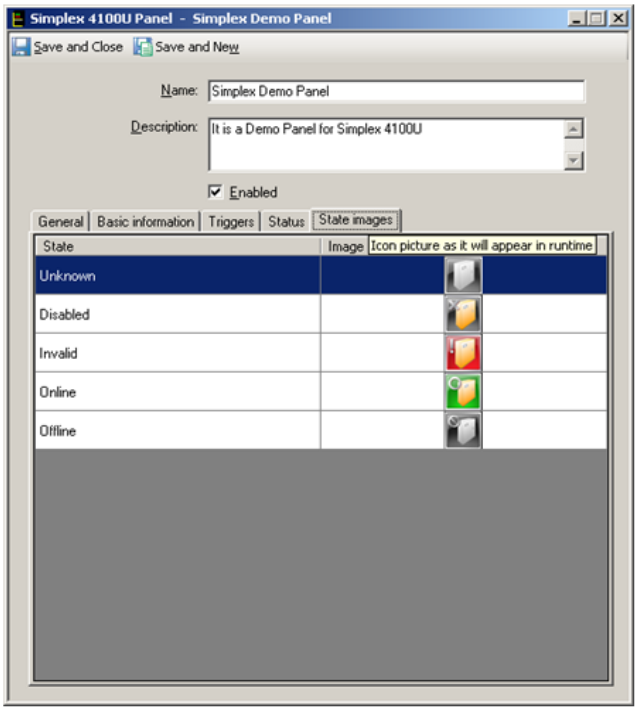
Table 8: Simplex 4100 Panel Status Tab Definitions

Field	Value	Definition
Communication Status	Unknown	The Simplex 4100 Panel status is unknown. The Simplex 4100 hardware interface has not started.
	Disabled	The Simplex 4100 panel is disabled.
	Invalid	The wrong Simplex 4100 hardware is connected to the Simplex Fire Alarm Interface. The job number is not equal or the job revision is less than the current Simplex 4100 Panel.
	Online	The Simplex 4100 panel is connected to the Simplex Fire Alarm Interface.
	Offline	The Simplex 4100 Panel is not connected to the Simplex Fire Alarm Interface.

Simplex 4100 Panel State Images Tab

The Simplex 4100 Panel State Images tab, shown in Figure 3-39 on Page 46, provides a means to change the default images used to indicate the Simplex 4100 panel states on the Monitoring Station.

Figure 3-39: Simplex 4100 Panel State Images Tab



You can replace the default images with JPG formatted files of your choice, to uniquely identify your objects when activities are displayed on the Monitoring Station Client. Simplex 4100 Fire Alarm Interface provides the pre-defined custom icons for simplex point under \Tyco\CCURE Client\SimplexIcon folder.

Simplex 4100 Panel State Images Tasks

See Customizing State Images for a Simplex 4100 Panel on Page 47.

Customizing State Images for a Simplex 4100 Panel

From the Simplex 4100 Panel State Images tab, you can change the images that appear in the Monitoring Station to represent Simplex 4100 Panels.

To Customize Simplex 4100 Panel State Images

1. From the Simplex Panel State Images tab, double-click the existing image. A Windows Open dialog box appears allowing you to browse for a folder in which you have placed replacement images.
2. When you locate the replacement image, select it and click **Open** to replace the default image with this image.
3. When you are done editing the Simplex 4100 Panel, click Save and Close to save the Panel's configuration.

   Alternatively, if you want to save the Panel and create a new one, click Save and New. The Simplex 4100 Panel Editor remains open to allow you to create a new Panel.

To Restore the Default State Image

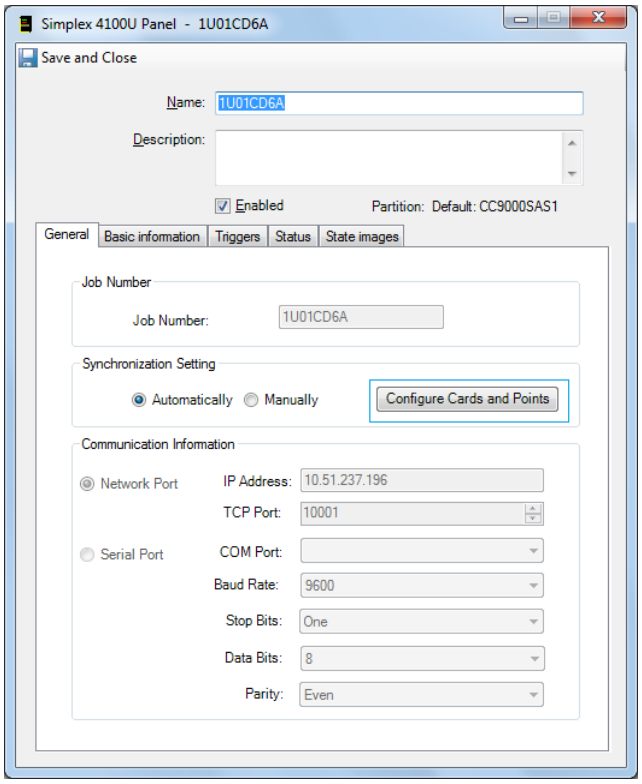
1. From the Simplex Panel State Images tab, select an existing image.
2. Right-click the image and select **Restore Default**.
3. Click Save and Close to save the Panel Port configuration.

Configuring Cards and Points

A Simplex 4100 Fire Detection and Alarm Panel system has a large number of physical/pseudo cards and points. You may not be interested in many of these. You can configure the interface to C•CURE 9000 to include only those cards and pseudo points that you are interested in managing and monitoring through C•CURE 9000.

To configure cards and points for a Simplex 4100 Panel, right-click your panel and select **Edit** to open **Simplex 4100 Panel Editor**. In **General** tab, select **Config Physical Cards and Pseudo Points** button (see Figure 3-40 on Page 48). A Config Physical Cards and Pseudo Points dialog box opens.

Figure 3-40: Config Physical Cards and Pseudo Points Menu Selection



The Config Physical Cards and Pseudo Points dialog box lets you set the relevant cards and points by performing the following tasks:

- Configuring Cards for a Simplex 4100 Panel on Page 48
- Configuring Pseudo Points for a Simplex 4100 Panel on Page 49

NOTE

You can only configure physical cards and pseudo points.

- Physical cards have a card number from 0 to 127.
- Pseudo points have a card number from 128 to 255.

The configuration information will apply to all panels you have configured.

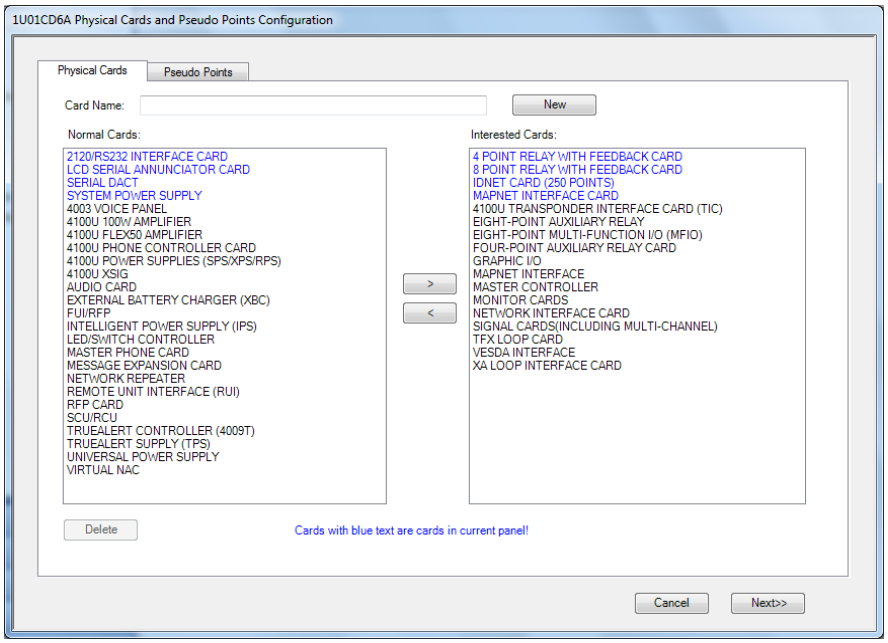
Configuring Cards for a Simplex 4100 Panel

You can configure Physical Cards for your Simplex 4100 Panel by using the following steps.

To Configure Cards for a Simplex 4100 Panel

1. From the C•CURE 9000 Administration application, choose the **Hardware** pane.
2. Right-click one Simplex 4100 Panel instance, select **Edit** to open **Simplex 4100 Panel Editor**.
3. In **General** tab, select **Configure Physical Cards and Pseudo Points** button. The Config Physical Cards and Pseudo Points dialog box appears (see Figure 3-41 on Page 49), with the Physical Cards tab displayed. The cards in blue in the Physical Cards tab are the actual cards in Simplex 4100 Panel.

Figure 3-41: Configure Physical Cards and Pseudo Points Dialog Box



4. You can add a physical card if the card you are interested in does not exist in the **All Cards** list:
   a. Type a card name in the **Card Name** field.
   b. Click 

to add a new card.
5. You can move cards you are interested in from the **All Cards** list to the **Interested Cards** list by selecting the Cards and clicking 

.

   Conversely, you can move cards you are not interested in configuring from the **Interested Cards** list to the **All Cards** list by selecting the Cards and clicking 

.
6. Once you have moved all the Cards you want to configure to the **Interested Cards** list, click 

to save your settings or click the **Pseudo Points** tab to configure pseudo points.
7. You also can click 

to cancel your settings. A confirmation message box appears.
8. Click **OK** to close the dialog box or **Cancel** to keep the dialog box open.

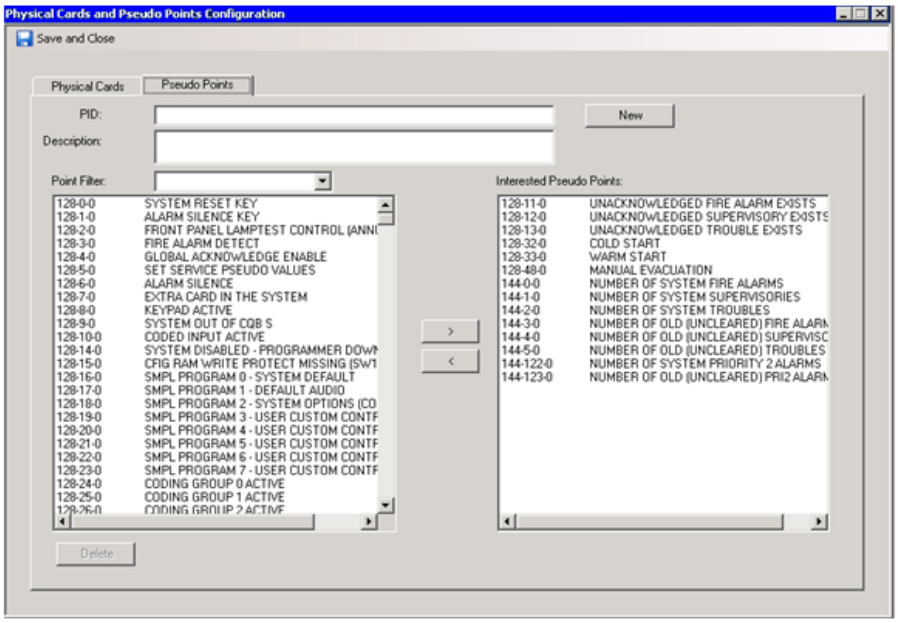
Configuring Pseudo Points for a Simplex 4100 Panel

You can configure Pseudo Points for a Simplex 4100 Panel by using the following steps.

To Configure Pseudo Points for a Simplex 4100 Panel

1. Click the Pseudo Points tab (see Figure 3-42 on Page 50).

Figure 3-42: Pseudo Points Tab



2. To add a new Pseudo Point that is not in either list:
    a. Type a Point ID in the **PID** field.
    b. Click New to add the pseudo point to the list.
3. You can move points you are interested in from the **All Points** list to the **Interested Pseudo Points** list by clicking >.

    Conversely, you can move points you do not want from the **All Interested Pseudo Points** list to the **All Points** list by clicking <.
4. Once you have moved all the Points you want to configure to the **Interested Pseudo Points** list, you can click Save to save your settings .
5. You also can click Close to cancel your settings. A confirmation message box appears.
6. Click **OK** to close the dialog box or **Cancel** to keep the dialog box open.

Performing Simplex Panel Data Acquisition

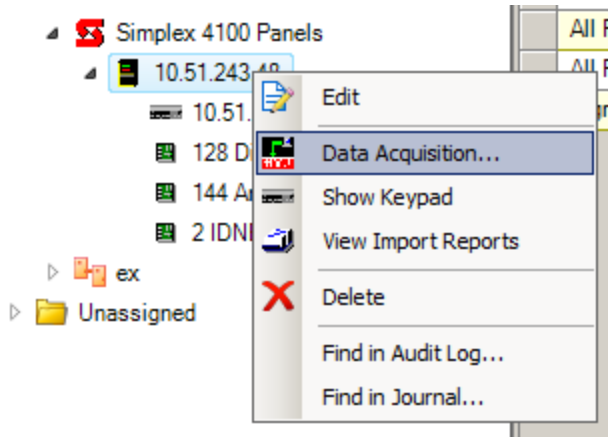
Once you have created a new panel and finish the card/pseudo point configuration, you can synchronize the C•CURE 9000 database with the physical Simplex 4100 product.

You synchronize Simplex 4100 product data with C•CURE 9000 using Data Acquisition.

To Perform Simplex Panel Data Acquisition

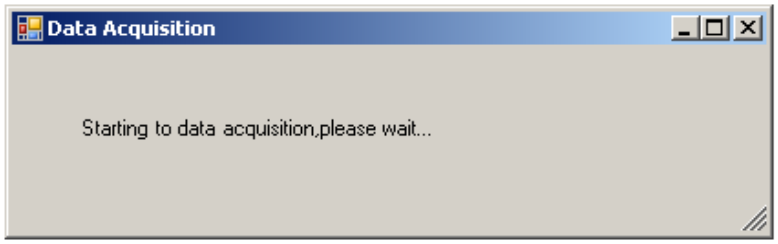
1. Navigate to your Simplex 4100 Panel in the Hardware Tree, select the Panel, and then right-click.
2. Click **Data Acquisition** in the context menu (see Figure 3-43 on Page 51).

Figure 3-43: Simplex Panel Context Menu



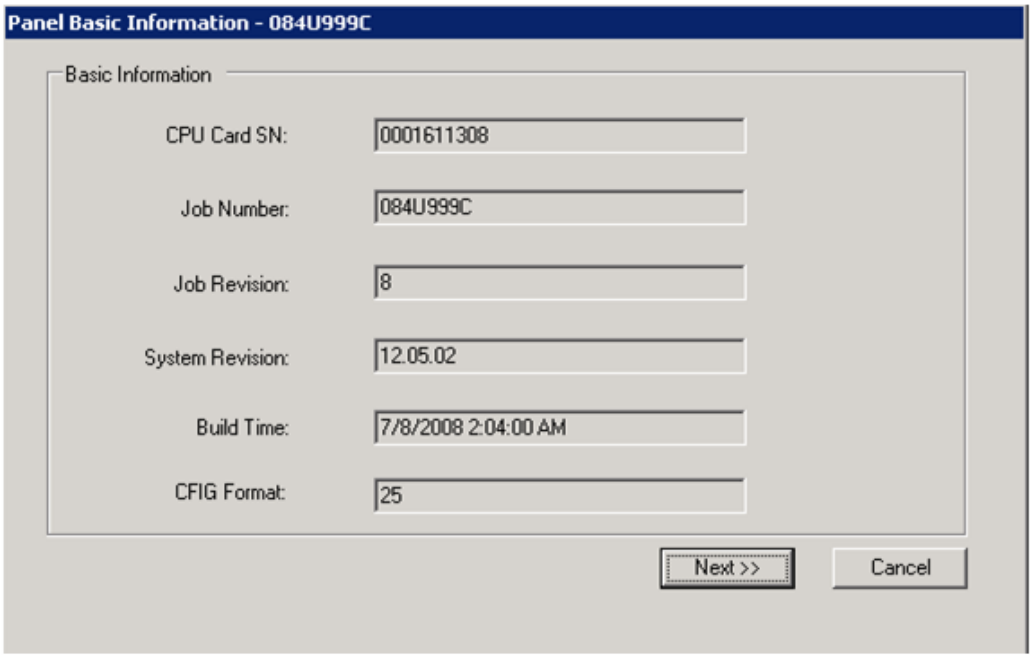
A Welcome dialog box appears (see Figure 3-44 on Page 51).

Figure 3-44: Data Acquisition Welcome Dialog Box



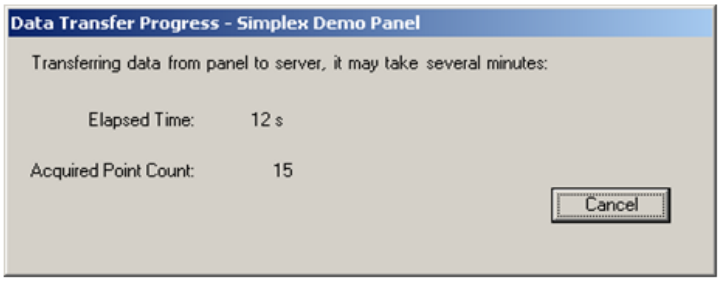
If the physical Simplex 4100 product has connected with the C•CURE 9000 Server and the configuration is correct, the Simplex Fire Alarm Interface retrieves the basic information from your physical Simplex 4100 products and displays it in the Panel Basic Information dialog box (see Figure 3-45 on Page 51).

Figure 3-45: Panel Basic Information



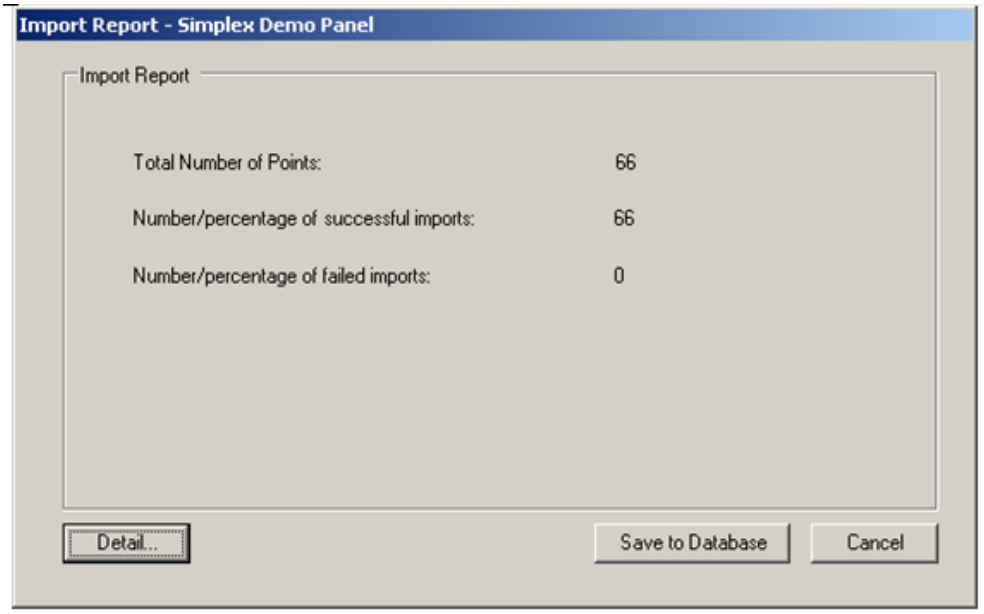
3. Click **Next**, a Config Physical Cards and Pseudo Points dialog box opens. See Configuring Cards and Points on Page 47 to configure cards and Points.
4. When cards and points configuration completed, click Next, the Data Transfer Progress dialog box displays showing progress (see Figure 3-46 on Page 52).

Figure 3-46: Data Transfer Progress



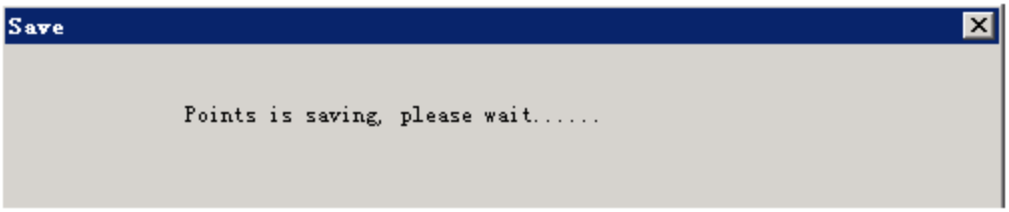
The system then displays a data import report (see Figure 3-47 on Page 52).

Figure 3-47: Data Import Report



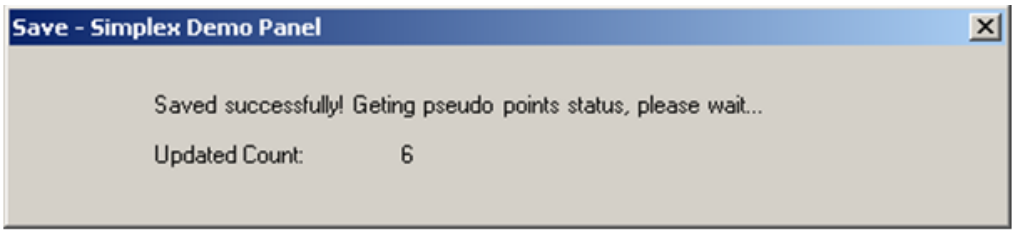
5. To save this data into the C•CURE 9000 database, click **Save to Database**. A message box appears indicating that the points are being saved (see Figure 3-48 on Page 52).

Figure 3-48: Saving Points to the Database



Once the data has been saved to the C•CURE 9000 database, a Point Status message box displays, showing a count of the number of updated points (see Figure 3-49 on Page 53).

Figure 3-49: Point Status Message Box



The Data Acquisition dialog boxes then closes, and the Data Acquisition process is complete.

Viewing Import Reports

You can check the Data Acquisition (Import) reports from the Simplex 4100 Panel context menu.

To View Import Reports from a Simplex 4100 Panel

1. From the C•CURE 9000 Administration application, choose the **Hardware** pane.
2. Right-click the Simplex 4100 panel for which you want to View Imports.
3. Select **View Import Reports** from the context menu (see Figure 3-50 on Page 53). The Import Report List appears in the Content Area, as shown in Figure 3-51 on Page 54.

Figure 3-50: View Import Reports

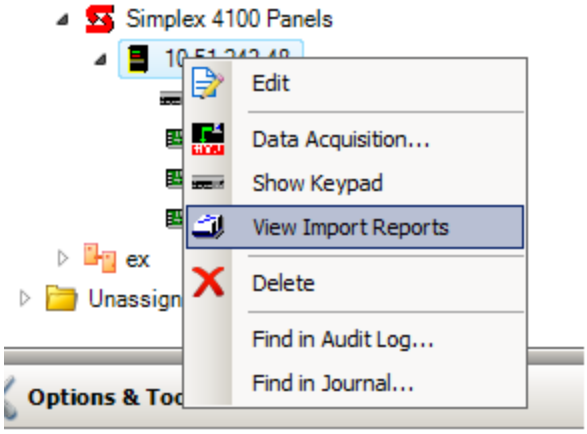
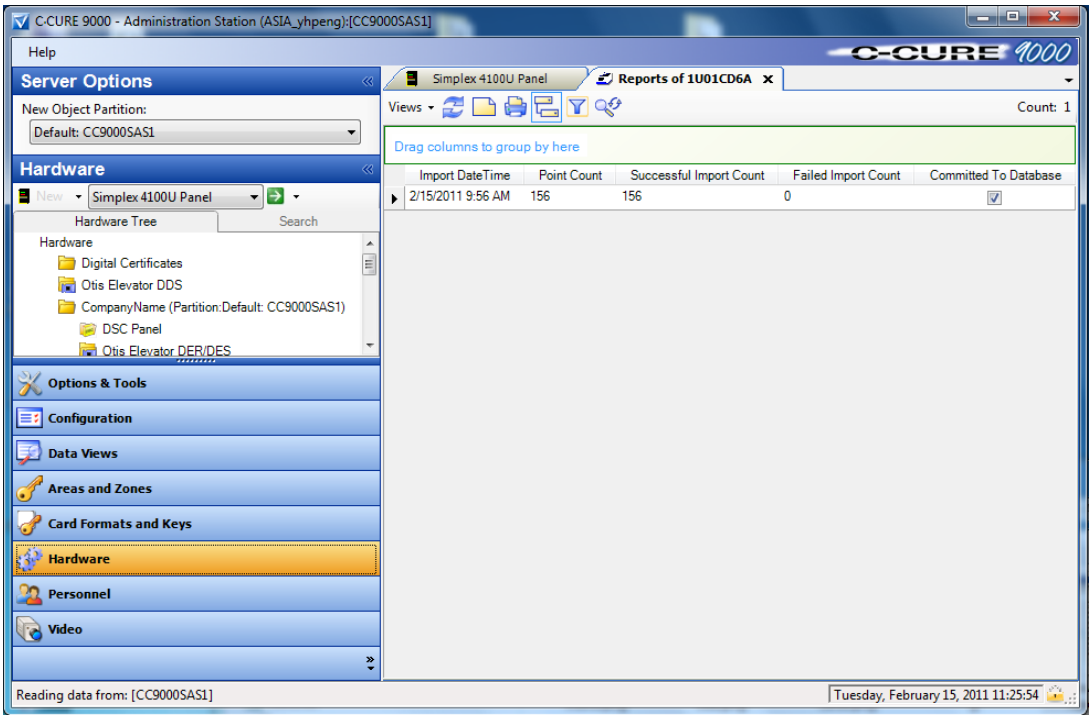
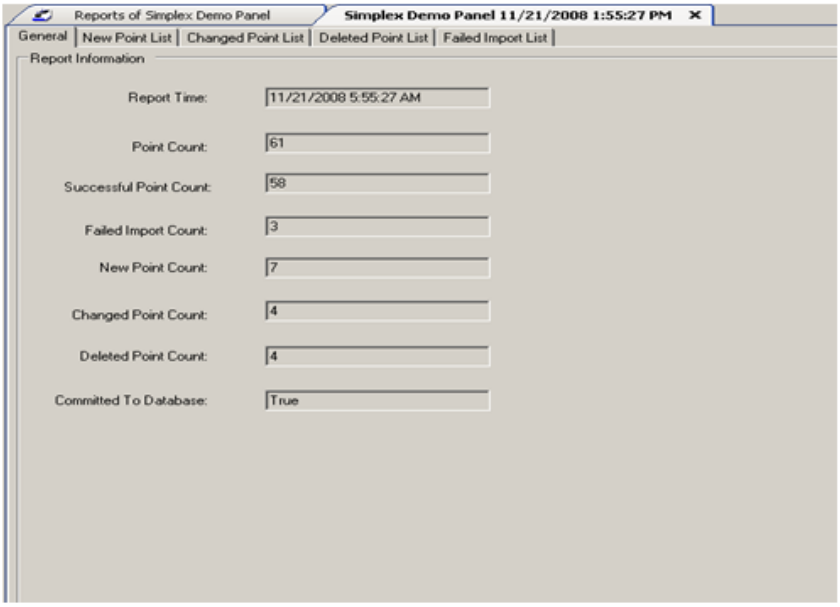


Figure 3-51: Import Report List



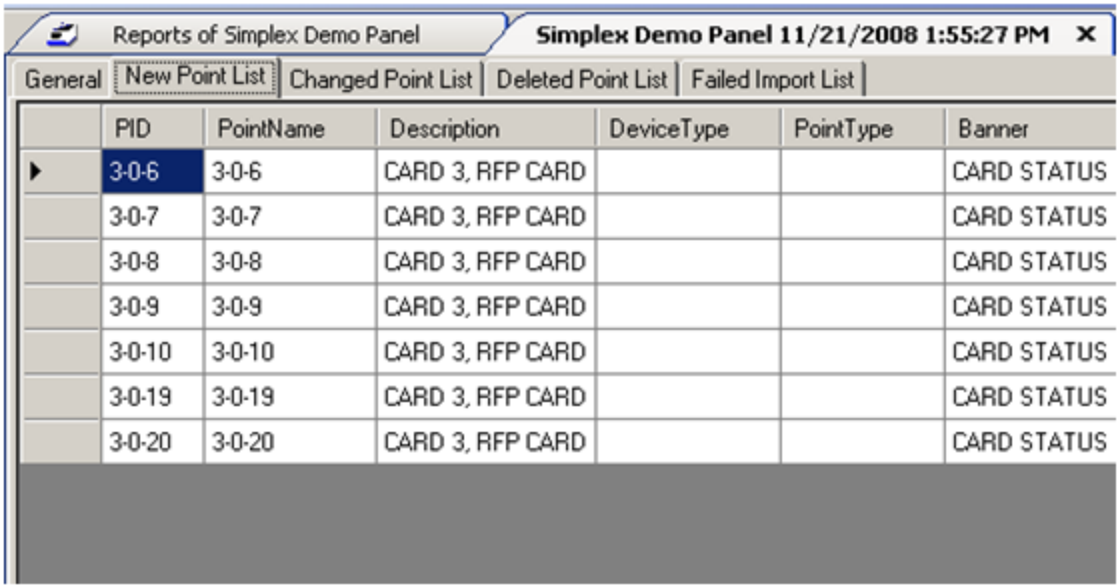
4. Double-click a report in the list to display the report detail dialog box (see Figure 3-52 on Page 54).

Figure 3-52: Report Detail



5. Click the **New Point List** tab to display all new imported points (as shown in Figure 3-53 on Page 56).

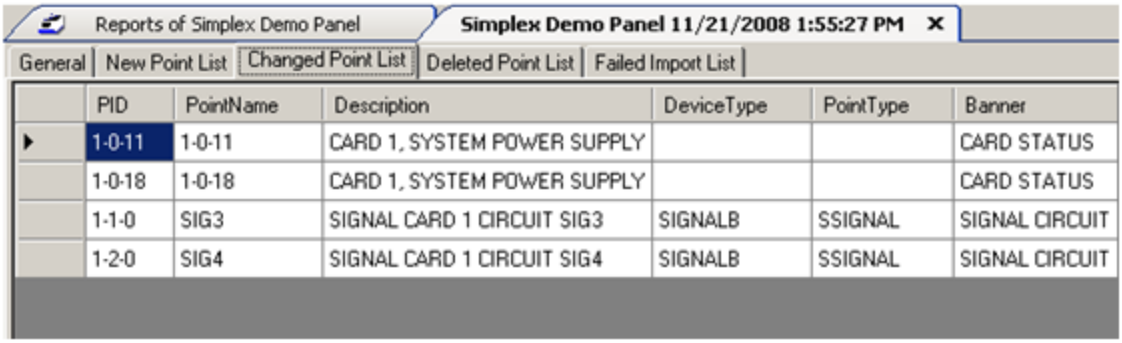
Figure 3-53: New Point List Tab



PID	PointName	Description	DeviceType	PointType	Banner
3-0-6	3-0-6	CARD 3, RFP CARD			CARD STATUS
3-0-7	3-0-7	CARD 3, RFP CARD			CARD STATUS
3-0-8	3-0-8	CARD 3, RFP CARD			CARD STATUS
3-0-9	3-0-9	CARD 3, RFP CARD			CARD STATUS
3-0-10	3-0-10	CARD 3, RFP CARD			CARD STATUS
3-0-19	3-0-19	CARD 3, RFP CARD			CARD STATUS
3-0-20	3-0-20	CARD 3, RFP CARD			CARD STATUS

6. Click the **Changed Point List** tab to display all changed points (See Figure 3-54 on Page 56).

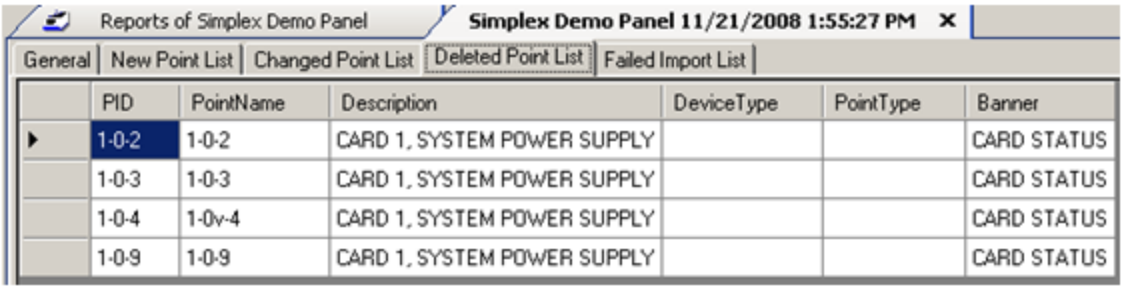
Figure 3-54: Changed Point List Tab



PID	PointName	Description	DeviceType	PointType	Banner
1-0-11	1-0-11	CARD 1, SYSTEM POWER SUPPLY			CARD STATUS
1-0-18	1-0-18	CARD 1, SYSTEM POWER SUPPLY			CARD STATUS
1-1-0	SIG3	SIGNAL CARD 1 CIRCUIT SIG3	SIGNALB	SSIGNAL	SIGNAL CIRCUIT
1-2-0	SIG4	SIGNAL CARD 1 CIRCUIT SIG4	SIGNALB	SSIGNAL	SIGNAL CIRCUIT

7. Click the **Deleted Point List** tab, to view all deleted points (see Figure 3-55 on Page 56).

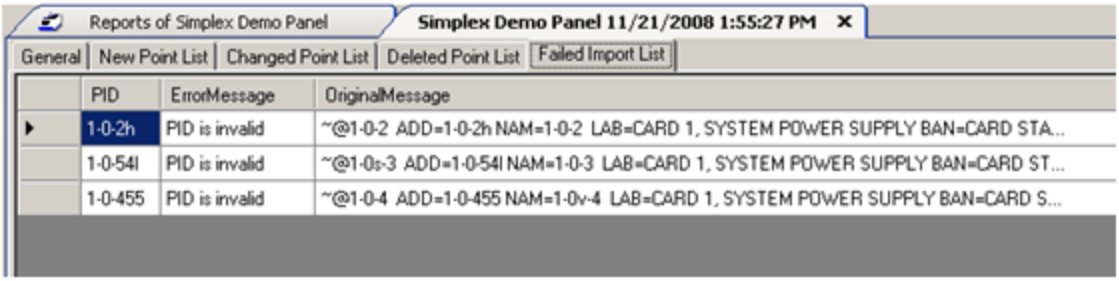
Figure 3-55: Deleted Point List Tab



PID	PointName	Description	DeviceType	PointType	Banner
1-0-2	1-0-2	CARD 1, SYSTEM POWER SUPPLY			CARD STATUS
1-0-3	1-0-3	CARD 1, SYSTEM POWER SUPPLY			CARD STATUS
1-0-4	1-0v-4	CARD 1, SYSTEM POWER SUPPLY			CARD STATUS
1-0-9	1-0-9	CARD 1, SYSTEM POWER SUPPLY			CARD STATUS

8. Click the **Failed Import List** tab to view all points that failed to import (see Figure 3-56 on Page 56).

Figure 3-56: Failed Import List Tab



Viewing a List of Simplex 4100 Panels

You can display a Dynamic View that lists Simplex 4100 Panels.

To View a List of Simplex 4100 Panels

1. In the Navigation Pane of the Administration Workstation, click **Hardware** to open the Hardware pane.
2. Select **Simplex 4100 Panel** from the Hardware pane drop-down list.
3. Click  to open a Dynamic View showing all Simplex 4100 Panel objects.

Simplex Panel Context Menu

When you right-click a Simplex Panel in the Hardware Tree or in a Dynamic View, a context menu appears. You can select an action to perform from the menu. The actions shown in Table 9 on Page 57 are available.

Table 9: Simplex Panel Context Menu

Selection	Description
Edit	Click this menu selection to open the Simplex Panel Editor to edit the Comm Port object.
Delete	Click this menu selection to delete the Simplex Comm Port object.
Data Acquisition	Click this menu selection to perform Data Acquisition. See Performing Simplex Panel Data Acquisition on Page 50.
View Import Reports	Click this menu selection to View Import Reports. See Viewing Import Reports on Page 53
Find in Audit Log	Click this menu selection to search the Audit Log for system activities involving this Simplex Panel. For example, you can find the Audit Log message that was written when this Simplex Panel object was created or modified. See Finding a Simplex Panel in the Audit Log on Page 58.
Find in journal	Click this menu selection to search the Journal for system activities involving this Simplex Panel. For example, you can find the Journal message that was written if a Trigger was activated for this Panel. See Finding a Simplex Panel in the Journal on Page 57.

Finding a Simplex Panel in the Journal

You can search for the Journal Entries related to a Simplex Panel by clicking **Find in Journal** from the context menu of a Simplex Panel in either the Hardware Tree or a Dynamic view.

To Find Journal Entries for a Simplex Panel

1. Right-click a Simplex Panel object in the Hardware Tree or in a Dynamic View (see Viewing a List of Simplex 4100 Panels on Page 57).
2. Click **Find in Journal** on the context menu.
3. A Query Parameters dialog box appears.
    - By default, this query searches in the Journal for occurrences of the selected Simplex Panel within the last 7 days. You can accept the default values and click **Run** to run the query.
    - Alternatively, you can click **Modify** to modify the Query definition, adding or removing Query parameters.
4. Click **Run**. A Dynamic View opens displaying the Journal Entries for the Simplex Panel you selected.

Finding a Simplex Panel in the Audit Log

You can search for the Audit Log Entries related to a Simplex Panel by clicking **Find in Audit Log** from the context menu of a Simplex Panel in either the Hardware Tree or a Dynamic view.

To Find Audit Log Entries for a Simplex Panel

1. Right-click a Simplex Panel object in the Hardware Tree or in a Dynamic View (see Viewing a List of Simplex 4100 Panels on Page 57).
2. Click **Find in Audit Log** on the context menu.
3. A Query Parameters dialog box appears.
    - By default, this query searches in the Audit Log for occurrences of the selected Simplex Panel within the last 7 days. You can accept the default values and click **Run** to run the query.
    - Alternatively, you can click **Modify** to modify the Query definition, adding or removing Query parameters.
4. Click **Run.** A Dynamic View opens to display the Audit Log Entries for the Simplex Panel you selected.

4

Simplex 4100 Card Editor

This chapter explains how to create and configure Simplex 4100 Cards.

In this chapter

Simplex 4100 Card Editor Overview 60
Simplex 4100 Card Editor General Tab 61

Simplex 4100 Card Editor Overview

The Simplex 4100 Card object represents the Simplex 4100 Cards in the C•CURE 9000 database.

The Simplex 4100 Card Editor has one tab:

Simplex 4100 Card Editor General Tab on Page 61

You can perform the following tasks with Simplex 4100 Cards:

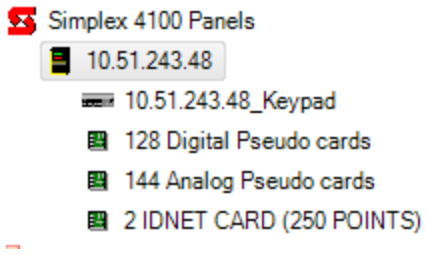
- You can double-click any card in the Hardware Tree to open the Simplex 4100 Card Editor to see the card information. See Accessing the Simplex 4100 Card Editor on Page 61.
- You can right-click a card in the Hardware Tree and click **View Points** to see a list of all the Points configured for this card. See Viewing Simplex 4100 Points for a Card on Page 60.
- You can right-click a card in the Hardware Tree and click **New Point** to manually create a new Simplex 4100 Point object for this card. See Creating New Simplex 4100 Points for a Card on Page 60.

Viewing Simplex 4100 Points for a Card

From the Hardware Tree, you can view a list of the Points and Pseudo Points associated with a Simplex 4100 Card.

To View Simplex 4100 Points for a Card

1. From the C•CURE 9000 Administration application, choose the **Hardware** pane.
2. Navigate to the folder containing your Simplex 4100 Panel.
3. Open the Simplex 4100 folder by clicking ▷ to the left of folder.



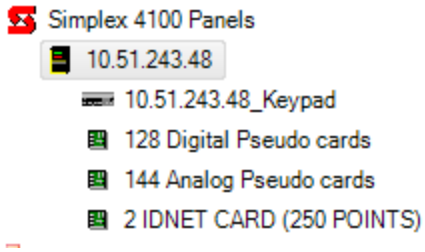
4. Click ▷ to the left of Panel icon ( ) to display the Cards connected to the panel.
5. Right-click on a Card to display the context menu.
6. Select **View Points** from the context menu. The list of points for that Card is displayed in the Content pane as a Dynamic View.

Creating New Simplex 4100 Points for a Card

From the Hardware Tree, you can create a new physical Points associated with a Simplex 4100 Card.

To Create a Simplex 4100 Point for a Card

1. From the C•CURE 9000 Administration application, choose the **Hardware** pane.
2. Navigate to the folder containing your Simplex 4100 Panel.
3. Open the Simplex 4100 folder by clicking ▷ to the left of folder.



4. Click ▷ to the left of Panel icon ( ) to display the Cards connected to the panel.
5. Right-click on a Card to display the context menu.
6. Select **New Point** from the context menu. The Simplex 4100 Point Editor opens (see Figure 5-60 on Page 65), and you can configure a new physical Point for that Simplex 4100 Card.

Simplex 4100 Card Editor General Tab

Once you have synchronized data from your Simplex 4100 hardware, some cards appear under the Simplex 4100 Panel tree node.

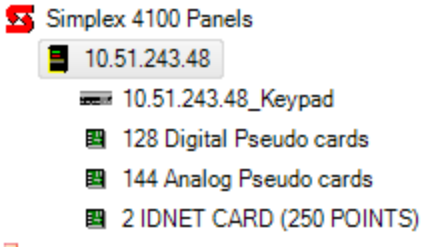
Accessing the Simplex 4100 Card Editor

To Access the Simplex 4100 Card Editor

1. From the C•CURE 9000 Administration application, choose the **Hardware** pane.
2. Navigate to the folder containing your Simplex 4100 Panel.

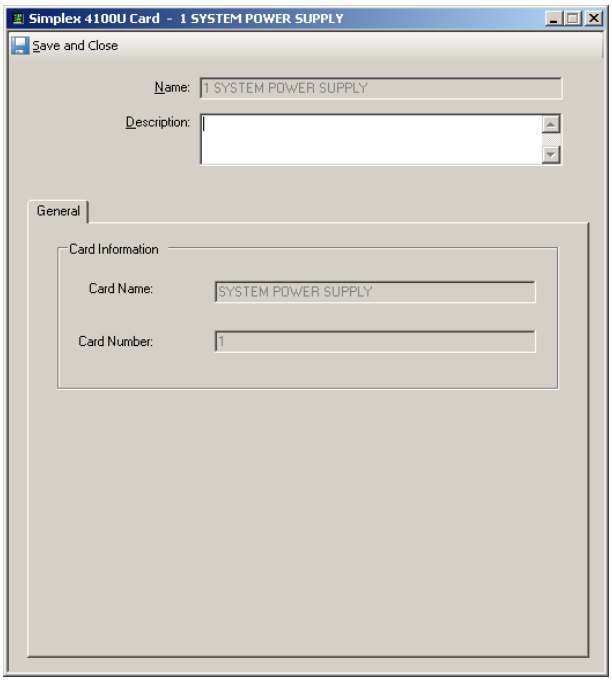
   If the Simplex 4100 Panel object has synchronized data from the Simplex 4100 hardware, some Simplex 4100 Cards appear under **Simplex 4100 Panel>Simplex 4100 Card**, as shown in Figure 4-57 on Page 61.

Figure 4-57: Simplex Card in the Hardware Tree



3. Double-click a card object. The Simplex Card Editor appears, as shown in Figure 4-58 on Page 62

Figure 4-58: Simplex Card Editor



4. You can view the **Card Name** and **Card Number** in this dialog box, as well as enter comments in the **Description** field. All other fields are read-only.

Simplex Card Editor Definitions

Table 10 on Page 62 describes the fields on the Simplex Card Editor General Tab.

Table 10: Simplex Card Editor General Tab Definitions

Field	Description
Name	The name of the Card.
Description	Enter a description of the Card to identify it in your configuration.
Card Name	The name of the Card.
Card Number	The Card Number of the Card in the Simplex 4100 Panel.

5

Simplex 4100 Point Editor

This chapter explains how to create and configure Simplex 4100 Points.

In this chapter

Simplex 4100 Point Editor Overview 64
Simplex 4100 Point Editor General Tab 64
Simplex 4100 Point Editor Status Tab 66
Simplex 4100 Point Editor Triggers Tab 67
Defining Triggers for a Simplex 4100 Point 68
Simplex 4100 Point Editor State Images Tab 70

Simplex 4100 Point Editor Overview

The Simplex 4100 Point Editor is used to view and configure points that are connected to your panel.

Simplex 4100 Point Editor Tabs

The Point Editor has the following tabs:

- Simplex 4100 Point Editor General Tab on Page 64
- Simplex 4100 Point Editor Status Tab on Page 66
- Simplex 4100 Point Editor Triggers Tab on Page 67
- Simplex 4100 Point Editor State Images Tab on Page 70

Simplex 4100 Point Editor Tasks

The Simplex 4100 Point Editor lets you configure a Simplex 4100 Point by performing the following tasks:

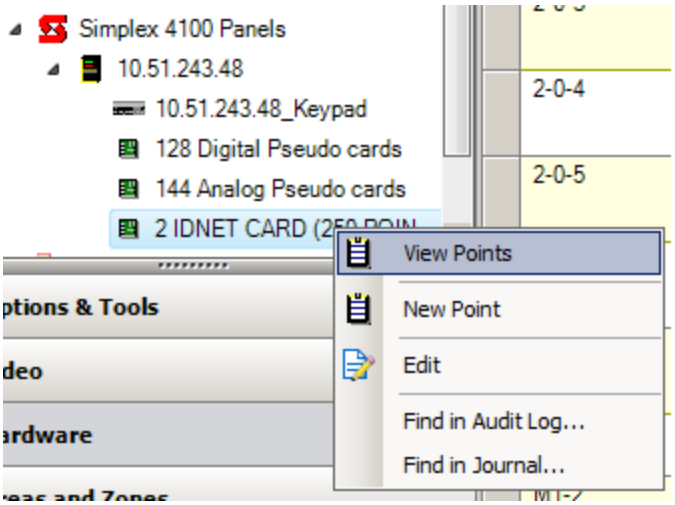
- Defining Triggers for a Simplex 4100 Point on Page 68
- Customizing State Images for a Simplex 4100 Point on Page 71

Simplex 4100 Point Editor General Tab

Once you have synchronized data from the Simplex 4100 Hardware to your C•CURE 9000 database, you can configure a Simplex 4100 Point.

- Right-click on a Simplex 4100 **Physical** Card in the Hardware Tree and click **New Point** on the context menu to open the Simplex 4100 Point Editor and create a new Simplex 4100 Point.

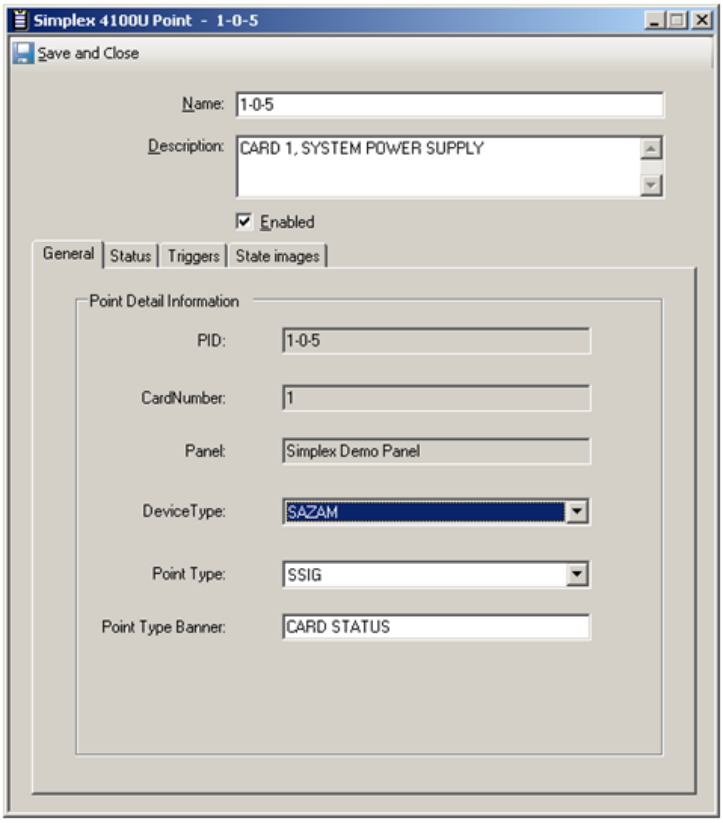
Figure 5-59: Hardware Pane



– or –

- Double-click an existing Simplex 4100 Point Instance to open the Simplex 4100 Point Editor (Figure 5-60 on Page 65 shows the Simplex 4100 Point General tab).

Figure 5-60: Simplex 4100 Point Editor General Tab



Simplex 4100 Point Editor General Tab Definitions

The Point Editor General tab field definitions are provided in Table 11 on Page 65.

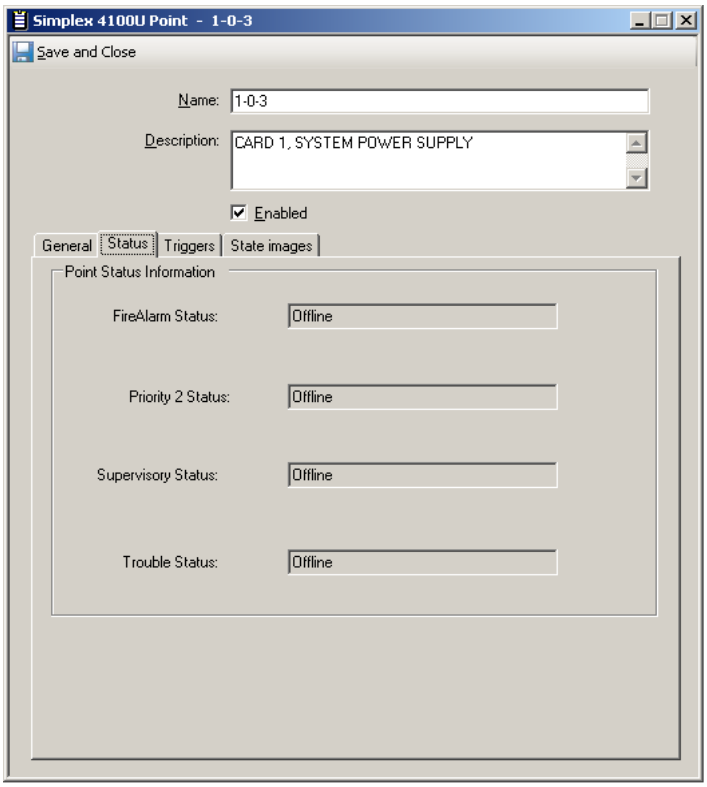
Table 11: Simplex 4100 Point Editor General Tab Definitions

Field	Description
Name	Enter a unique name up to 50 characters long for the Simplex 4100 Point. If you enter the name of an existing object, the system returns an error message indicating there is a conflict.
Description	Enter a general comment about the simplex 4100 Point. This text is for information only.
Enabled	Click **Enabled** to allow the Simplex 4100 point to accept fire alarm information.
PID	This read-only field identifies the point. Its format is Card Number-Point Number-Sub point Number
Card Number	This read-only field indicates the card number associated with the current point.
Panel	This read-only field designates the panel job number, indicating the panel to which the current point is connected.
Device Type	Select the point device type.
Point Type	Select the point type.
Point Type Banner	Enter the point type banner.

Simplex 4100 Point Editor Status Tab

The Simplex 4100 Point Status tab provides read-only status information about the Simplex 4100 Point object, as shown in Figure 5-61 on Page 66

Figure 5-61: Simplex 4100 Point Editor Status Tab



Simplex 4100 Point Editor Status Tab Definitions

Table 12 on Page 66 provides definitions of the fields on the Simplex 4100 Point Editor Status tab.

Table 12: Simplex 4100 Point Editor Status Tab Definitions

Field	Description
Fire Alarm Status	Three possible values: Normal, Abnormal, and Abnormal with ACK.
Priority 2 Status	Three possible values: Normal, Abnormal, and Abnormal with ACK.
Supervisory Status	Seven possible values: Normal, AbnormalNeedAcknowledgement, AbnormalAcknowledged, invalid, Unknown, offline, disabled.
Trouble Status	Three possible values: Normal, Abnormal, and Abnormal with ACK.

Simplex 4100 Point Editor Triggers Tab

C•CURE 9000 uses Triggers, which are configured procedures for activating events based on properties of an object. A Trigger automatically executes a specified Action when a particular predefined condition occurs. Figure 5-62 on Page 67 shows the Simplex 4100 Point Triggers tab.

Figure 5-62: Simplex 4100 Point Triggers Tab

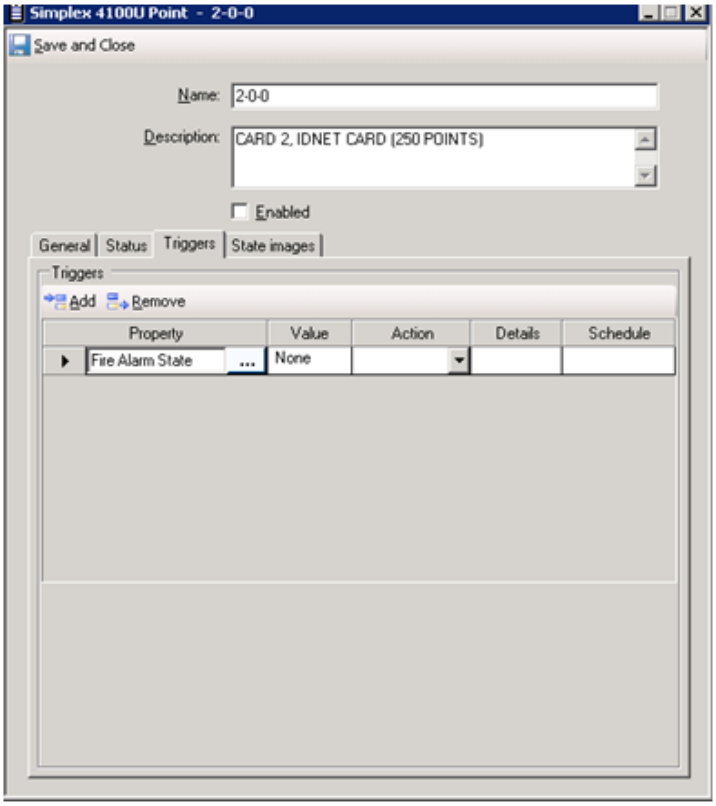


Table 13 on Page 67 shows an example of how a Trigger is configured.

Table 13: Triggers Tab Settings Example

The following Triggers tab settings:				
Property	**Value**	**Action**	**Details**	**Schedule**
FireAlarmState	AbnormalAcknowledged	Activate Event	Simplex Point Event	Always
Would create the following Trigger: Any time (Always **Schedule**) the FireAlarmState (**Property**) equals AbnormalAcknowledged (**Value**), activate the event (**Action**) named Simplex Point Event (**Details**). **Simplex Panel Event** is an Event that you would need to create using the Event Editor.				

Simplex 4100 Point Triggers Tab Definitions

Table 14 on Page 68 provides definitions for the fields and buttons that appear on the Simplex 4100 Point Triggers tab.

Table 14: Simplex 4100 Point Editor Triggers Definitions

Property	Values	Actions	Comments
FireAlarmState	None, Normal, AbnormalNeedAcknowledgement, or AbnormalAcknowledged	Activate Event	Physical Point (sensor) status, you can set a notification event to notify an operator when one point's fire status has changed.
Priority2State	None, Normal, AbnormalNeedAcknowledgement, or AbnormalAcknowledged	Activate Event	Physical Point (sensor) status, you can set a notification event to notify an operator when one point's Priority status has changed.
SupervisoryState	None, Normal, AbnormalNeedAcknowledgement, or AbnormalAcknowledged	Activate Event	Physical Point (sensor) status, you can set a notification event to notify an operator when one points Supervisory status has changed.
TroubleState	None, Normal, AbnormalNeedAcknowledgement, or AbnormalAcknowledged	Activate Event	Physical Point (sensor) status, you can set a notification event to notify an operator when one point's Trouble status has changed.

Simplex 4100 Point Triggers Tab Tasks

See Defining Triggers for a Simplex 4100 Point on Page 68 for steps to define Triggers for your Simplex 4100 Point.

Defining Triggers for a Simplex 4100 Point

Perform the following steps to create a Trigger for a Simplex 4100 Point.

To Configure a Triggers for a Simplex 4100 Point

1. From the Simplex 4100 Point dialog box, navigate to the Triggers tab.
2. Click 

in the Triggers tab to create a new Trigger.
3. Click  within the Property column to open the Simplex Point dialog box showing the Properties available for the Simplex Point.
4. Click a Property to select it and add it to the **Property** column.
5. Click within the **Value** column to enter a value that you want to include as a parameter for the trigger to add it to the column. (If there is a set list of Values, you can select a Value.)
6. Click within the **Action** column to display a drop-down list of valid actions. Click an Action that you want to include as a parameter for the trigger to add it to the column.

   When you select an Action, the lower pane in the Triggers box displays an entry field or group of entry fields, specific to the selected Action, so that you can configure the Details for the Action.

Once you define the Action details, the Details column displays information about how the Action has been configured.

For example, if an Event field is displayed in Details, you can click ... to select an Event that you want to associate with the Trigger.

7. Click Save and Close to save the Simplex 4100 Point with the Trigger you configured.

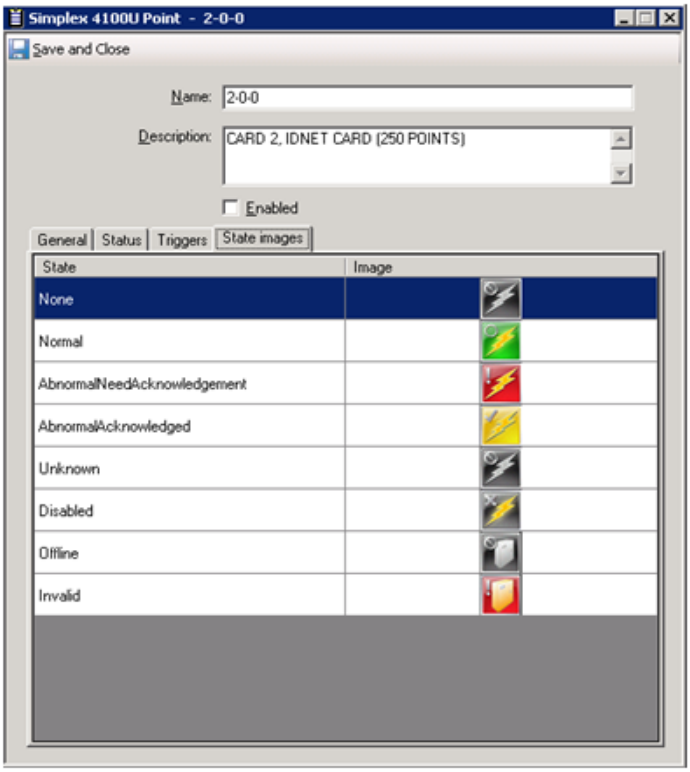
To Remove a Trigger

1. From the Simplex Point dialog box, navigate to the Triggers tab.
2. Use ▸ to select the row in the Triggers table for the Trigger you want to remove.
3. Click Remove.
4. Click Save and Close to save the Simplex 4100 Point .

Simplex 4100 Point Editor State Images Tab

The State Images tab, shown in Figure 5-63 on Page 70, allows you to change the default images used to indicate the Simplex 4100 Point states on the Monitoring Station.

Figure 5-63: Simplex 4100 Point Editor State Images Tab



You can replace the default images with JPG formatted files of your choice, to uniquely identify your objects when activities are displayed on the Monitoring Station Client. Simplex 4100 integration also provides pre-defined custom icons for 4100 points under CCURE Client\SimplexIcon folder. The following picture shows all pre-defined point icons.

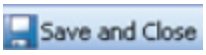
Customizing State Images for a Simplex 4100 Point

You can customize the state images for a Simplex 4100 Point using your own .JPG format images.

To Customize Simplex 4100 Comm Port State Images

1. From the Simplex Point State Images tab, double-click the existing image for the State you wish to change.

   A Windows Open dialog box appears allowing you to browse for a folder in which you have placed replacement images.

2. When you locate the replacement image, select it and click **Open** to replace the default image with this image.
3. When you are done editing the Simplex Point, click 

to save the Simplex 4100 Point's configuration.

To Restore a Point Default State Image

1. From the Simplex 4100 Point Editor State Images tab, select an existing image.
2. Right-click the image and select **Restore Default**.
3. Click 

to save the Simplex 4100 Point's configuration.

6

Monitoring Simplex 4100 Activities

You can monitor Simplex 4100 activities using the Monitoring Station Activity Monitor.

In this chapter

Using the Monitoring Station for Simplex 4100 Fire Alarms 73

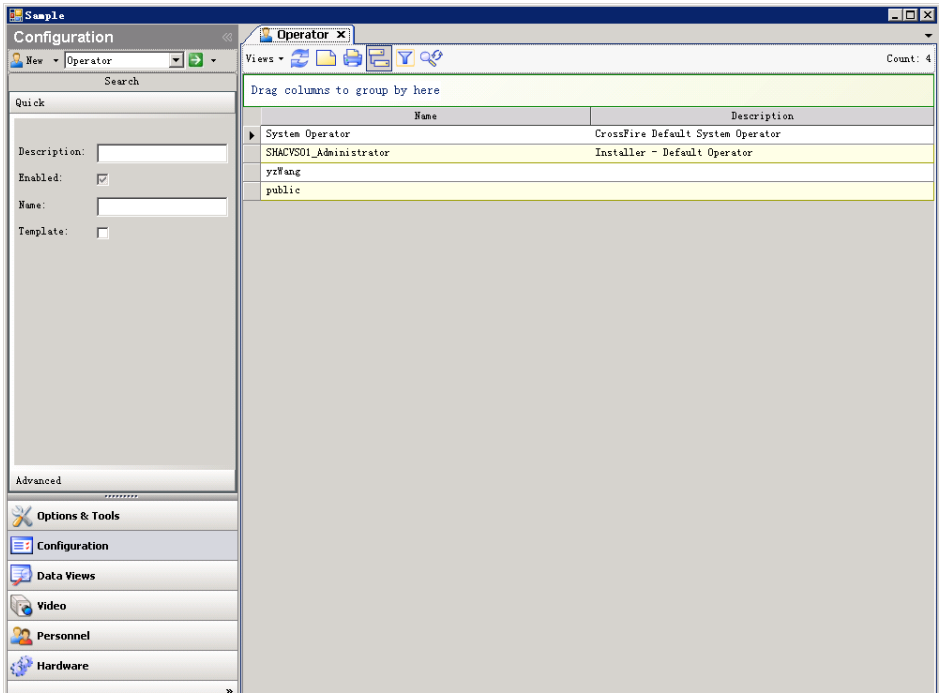
Using the Monitoring Station for Simplex 4100 Fire Alarms

The main purpose of the Simplex Fire Alarm Interface is to notify Operators when there is an alarm. You can check the alarm status for the Simplex 4100 Fire Alarm Interface on the C•CURE 9000 Monitoring Station. When you install the Simplex 4100 Fire Alarm Interface, it automatically creates a Simplex Fire Alarm Application Layout. You can then assign this Layout to your Operators, modifying the Layout for each specific Operator, as you wish.

To Configure a Simplex Fire Alarm Application Layout for an Operator

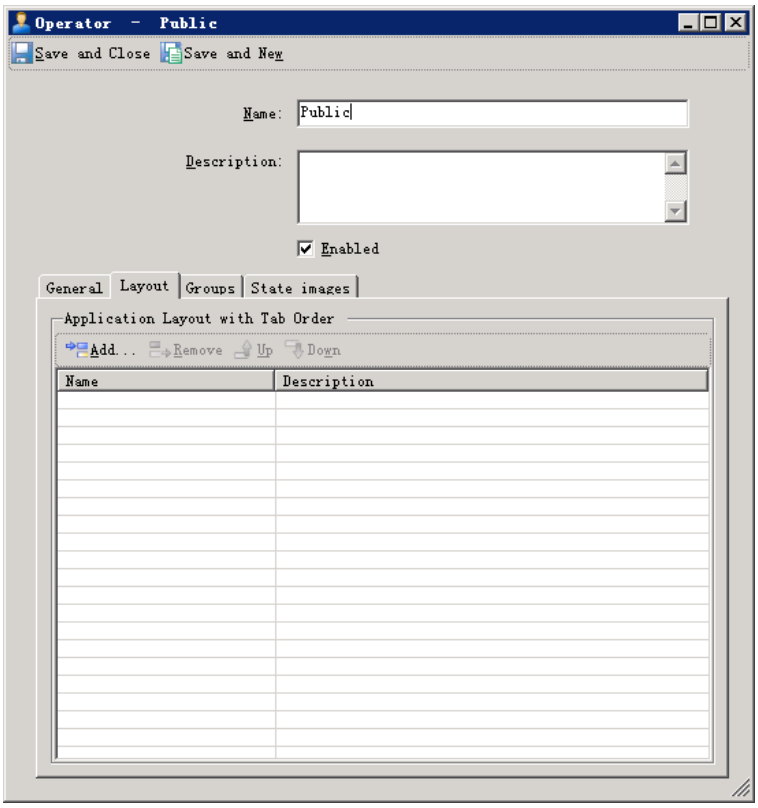
1. From the C•CURE 9000 Administration application, choose the Configuration pane, then choose Operator from the drop-down list box.
2. Click  to view a Dynamic View of all operators (see Figure 6-64 on Page 73).

Figure 6-64: Dynamic View of Operators



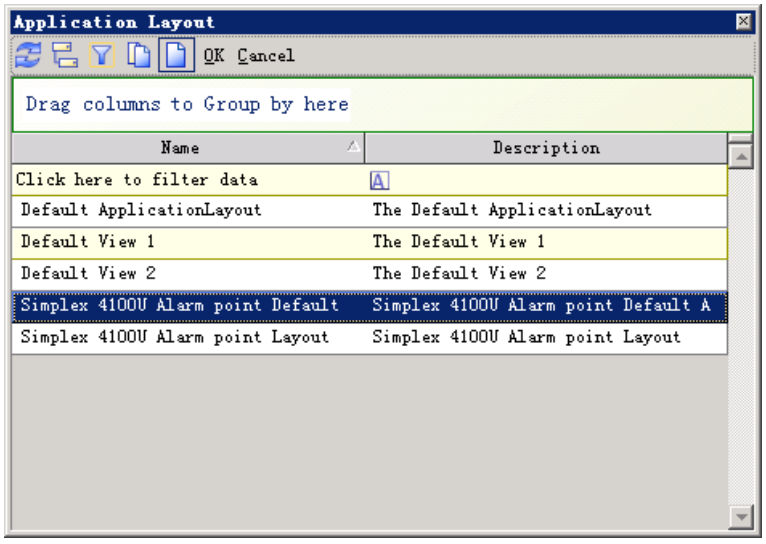
3. Double-click the Operator you want to see Fire Alarm Information in the Monitoring Station. The Operator editor opens (as shown in Figure 6-65 on Page 74).

Figure 6-65: Operator Editor



4. Navigate to the Layout tab and click **Add** to configure a layout for the Operator. A dialog box opens displaying the available Application Layouts.

Figure 6-66: Application Layout Dialog Box



5. Select the **Simplex 4100 Alarm Point Default** Application Layout and click **OK**. The Simplex 4100 Alarm Point default Application Layout is added to the Operator on the Layout tab.
6. Click **Save and Close** to save the Operator configuration.

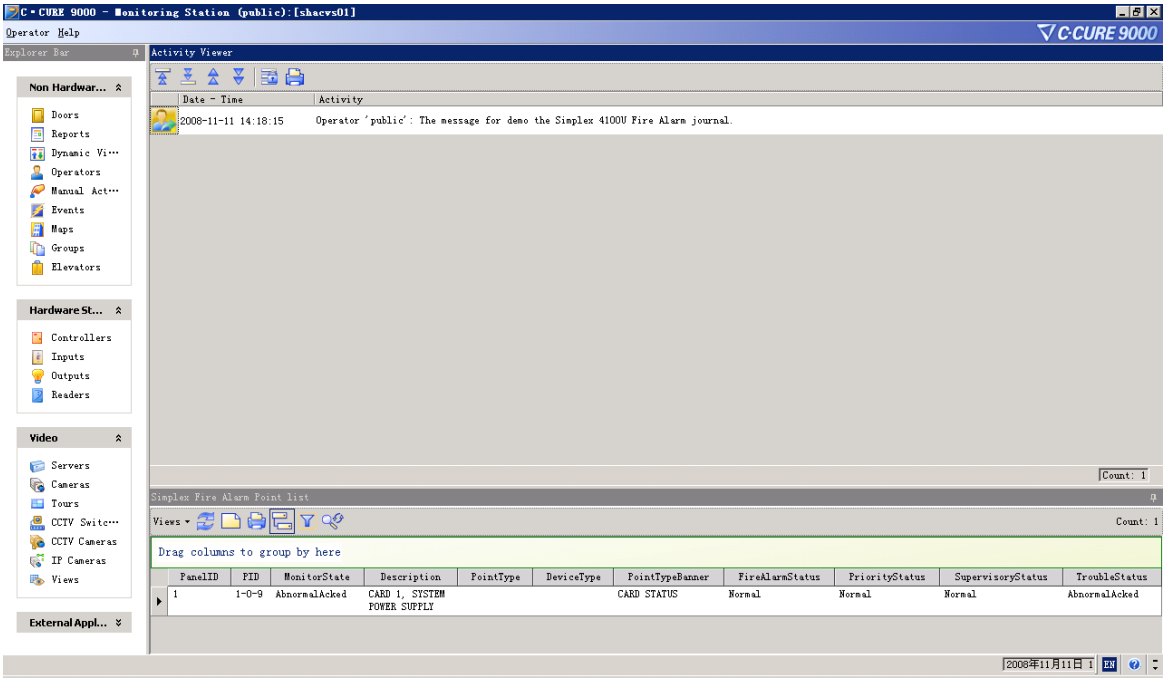
To View the Simplex Fire Alarm Application Layout

Once you have configured the Simplex 4100 Alarm Point default Application Layout, an Operator can use the Monitoring Station to see alarm information.

1. To start the Monitoring Station, select one of the following options:
   - Click **START>All Programs>Software House>C•CURE 9000>Monitoring Station**.
   - Click the desktop icon,  .

   The Monitoring Station opens, showing the Simplex layout.

Figure 6-67: Monitoring Station



When the Simplex 4100 hardware reports any abnormal status, such as fire, trouble, supervisory, priority 2 problem, the Monitoring Station displays this information in the Activity Viewer, and all abnormal points are listed on the bottom in the Simplex Panel abnormal point list.

This list does not refresh automatically; you should click  to refresh the Simplex Panel abnormal point list.

7

Simplex 4100 Journal Messages

The Simplex 4100 Fire Alarm Interface has customized Journal Messages that are described here.

In this chapter

Simplex 4100 Journal Message Definitions 77

Simplex 4100 Journal Message Definitions

The Simplex 4100 Fire Alarm Interface provides six categories of journal information for the C•CURE 9000 database. These Journal Messages are summarized in Table 15 on Page 77, on Page 77, Table 16 on Page 77, and Table 17 on Page 78.

"#" in the table is used to represent an object such as a panel name, point name, or computer name. The actual value for the object property will replace the "#" in the Journal.

Table 15: Simplex 4100 Fire Changed State Journal Messages

Category	Object	State Change	Messages
Fire Changed State	Panel	Online	Simplex4100 Panel # is online.
		Offline	Simplex Panel # is offline.

Table 16: Simplex 4100 Fire Activity Journal Messages

Category	Object	State Change	Messages
Fire Activity XPoint unsolicited message has change time as Message Data/Time; and the point could exist or not exist	XPoint unsolicited message	State is abnormal	Simplex4100 Point # on Simplex4100 Panel # is in fire alarm needs acknowledgment state. Simplex4100 Point # on Simplex4100 Panel # is in priority 2 alarm needs acknowledgment state. Simplex4100 Point # on Simplex4100 Panel # is in supervisory with acknowledged state. Simplex4100 Point # on Simplex4100 Panel # is in trouble with acknowledged state
		State is normal	The fire alarm state of Simplex4100 Point # on Simplex4100 Panel # is normal. The trouble state of Simplex4100 Point # on Simplex4100 Panel # is normal.
	XHStart FormatString: # on Panel #		Cold start on Panel #. Warm start on Panel #.
	Data acquisition (automatic)		Data acquisition on Panel # started. Data acquisition on Panel # completed.

Table 17: Simplex 4100 Fire Device Activity Journal Messages

Category	Format	Messages
Fire Device Activity A blank job revision does not mean the panel is invalid.	XHStart FormatString: # on Panel #	Cold start on Simplex4100 Panel #. Warm start on Simplex4100 Panel #.
	Invalid Panel error	Mismatch JobNumber on Simplex4100 Panel #. Terminal information does not match on Simplex4100 Panel #. Unsupported system revision on Simplex4100 Panel #. Unexpected job revision on Simplex4100 Panel #.