

# SIEMENS



SPC Safe - Configuration Management Software

## SPCS410

## SPC Safe PC-Software

## Configuration

Version 3.1

## Copyright

Technical specifications and availability subject to change without notice.

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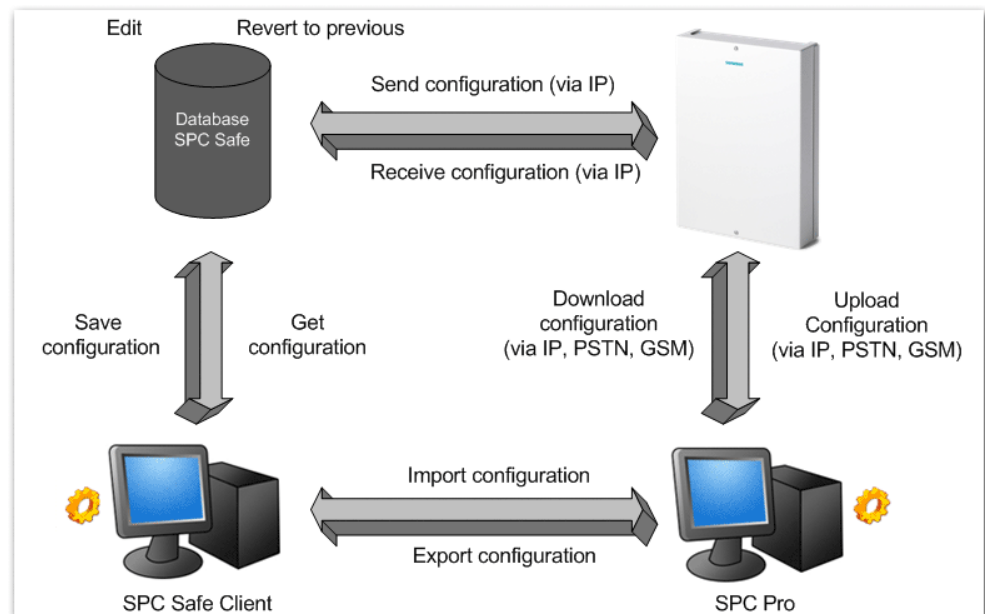
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# 1 Software description

The SPC Safe Client is an administration tool used to administer control panels and their users in large numbers in security networks. The SPC Safe Client is connected to an IP interface so the panels can be administered globally. With the SPC Client you can also structure the different instances, beginning with the company, down to the panel.

The SPC Safe software administers a huge amount of configuration files. The configurations of all the control panels of the SPC range can be managed. Due to the client/server architecture all data is stored in a central place, making backup easy. To increase manageability, a version management, a change log, and the possibility to structure the configurations are included.

The principle use cases with SPC Safe are shown in graphic below.



## 2 Technical data

Communication protocol	Proprietary (via TCP/IP on Ethernet, PSTN, GSM)
System compatibility	<ul style="list-style-type: none"><li>● Client/Server solution</li><li>● Running on PCs with Windows XP/Vista</li><li>● Fully supports SPC43xx/SPC53xx/SPC63xx (communication via TCP/IP on Ethernet)</li><li>● Partially supports SPC41xx/SPC42xx/SPC52xx</li></ul>
Memory	Min. 1 GB required
Database	SQL Server 2005 Express Edition, max. 250 site configurations (more on request)



It's not recommended to use SPCS410 and SPCS320 in the same environment. Depending on setup and use case the site configuration files in SPCS320.000 Remote Maintenance Server may be overwritten with configuration files of SPCS410.000.

## 3 Installation

### 3.1 Installing the server and client software

- Insert the installation CD in your PC CD drive
  - ⇒ The following window will be displayed:



#### SPC Safe - Configuration Management Software

- [Install Microsoft .NET Framework 2.0](#)
- [Install SQL Server 2005 Express, 32bit](#) OR [Install SQL Server 2005 Express, 64bit](#)
- [Install SPC Safe](#)
- [Read SPC Safe Manual](#)

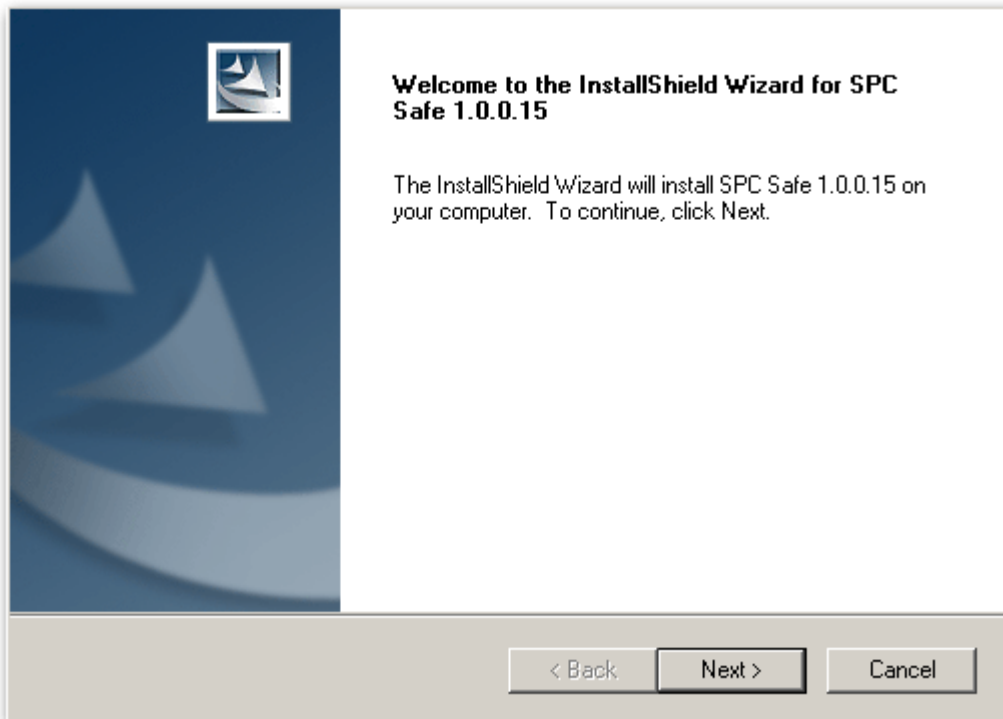
To install the needed Frameworks and the SQL server click:

**Install Microsoft .NET Framework 2.0** to install the .NET Framework


**Install SQL Server 2005 Express (32bit or 64bit)** to install the SQL Server.

#### Install the SPC Safe (Client and Sever)

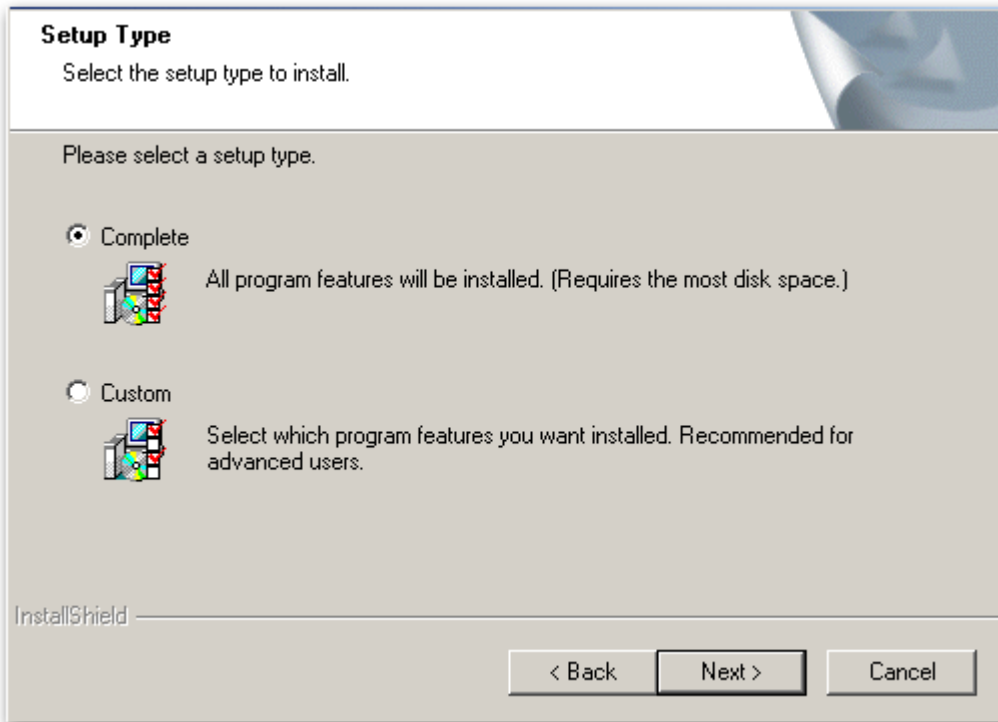
1. Click **Install SPC Safe**.
  - ⇒ The following window will be displayed:



2. Accept the license agreement.
3. Click **Next**.

	<b>NOTICE</b>
	Both User Name and Company Name have to be entered to continue the setup.

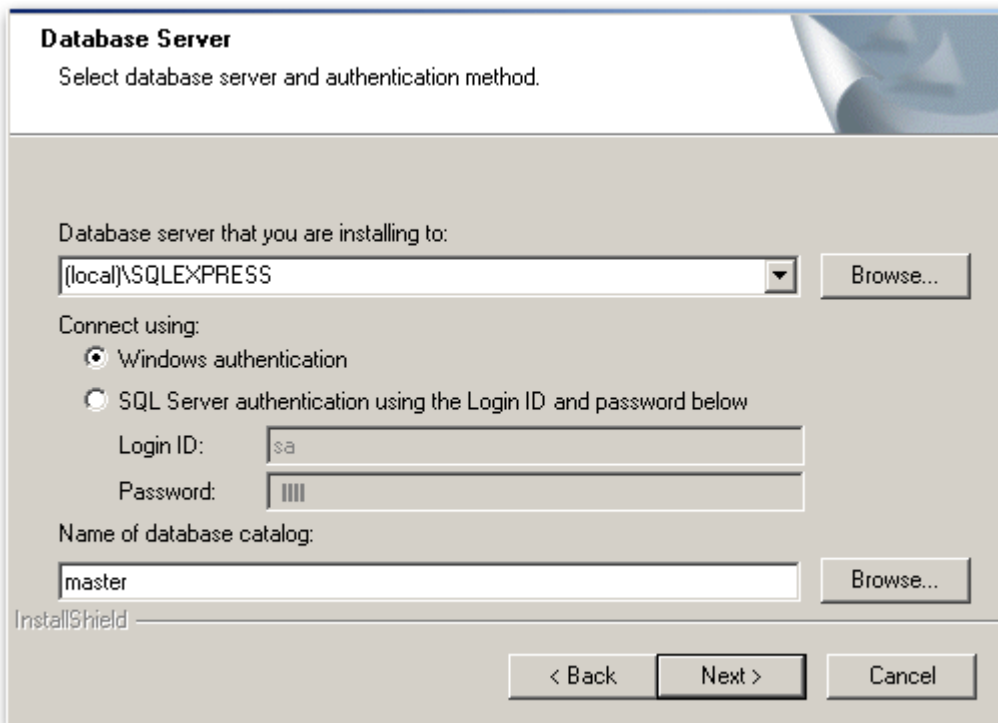
4. Enter the **User Name** and the **Company Name**.
5. Click **Next**.
  - ⇒ The following window will be displayed:



6. Select **Complete** to install all features. This includes:

- SPC Safe Parameter Server
- SPC Safe Parameter Server Client
- SPC Safe Database.

7. Click **Next**.



8. Configure the following fields (The default settings should be fine for most of the installations):



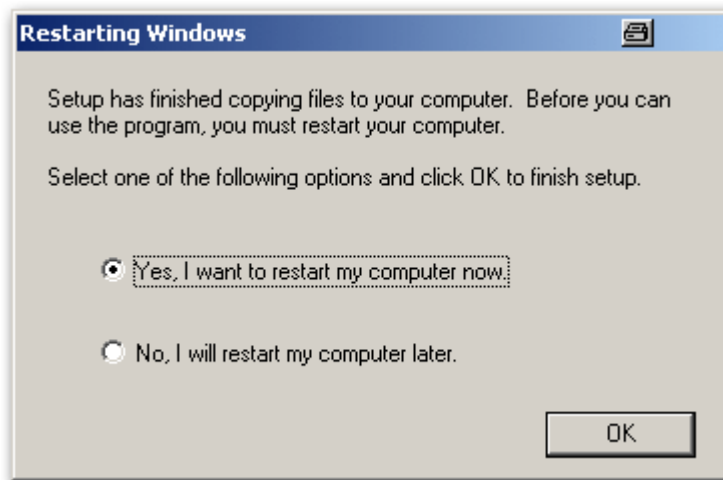
- **Database server that you are installing to:** Select a database server which is installed on your PC
- **Windows authentication:** Mark this to use the user authentication of the Windows operating systems.
- **SQL-Server authentication...:** Enter the user and password of your SQL server
- **Name of database catalog:** Use an existing database catalog.

9. Click **Next**.

10. Click **Install** to start the installation of the program.

11. Click **Finish** to complete the installation.

⇒ The following window will be displayed:



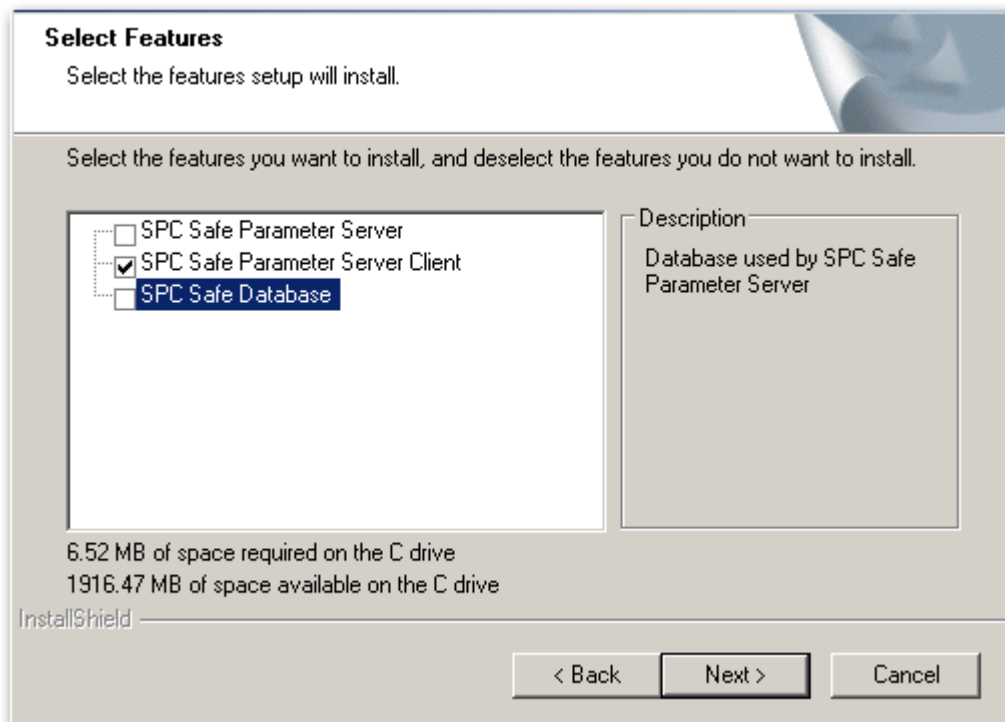
12. Click **Yes, I want to restart my computer now**.

13. Click **OK**.

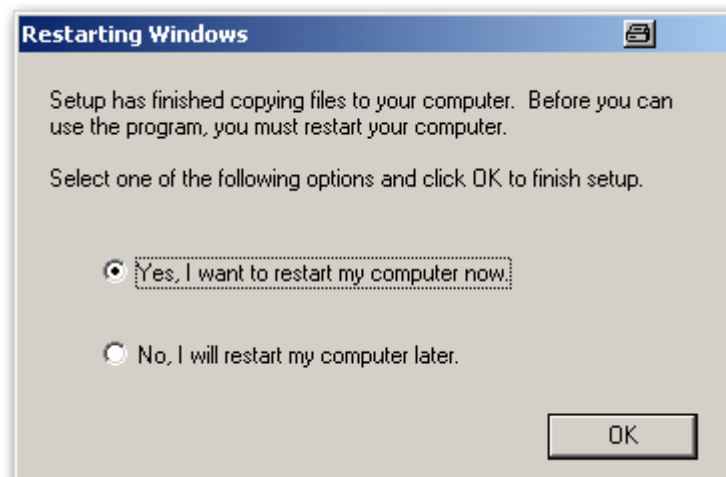
⇒ Your PC will be restarted now.

## 3.2 Installing only the client

1. Select **Custom** in the Setup Type window.
2. Click **Next**.
3. Select a folder where the setup program will install files.
4. Click **Next**.



5. Select only the SPC Safe Parameter Server Client. All other options have to be deselected.
6. Click **Next**.
7. Click **Install** to start the installation of the program.
8. Click **Finish** to complete the installation.
  - ⇒ The following window will be displayed:



9. Click **Yes, I want to restart my computer now**.
10. Click **OK**.
  - ⇒ Your PC will be restarted now.

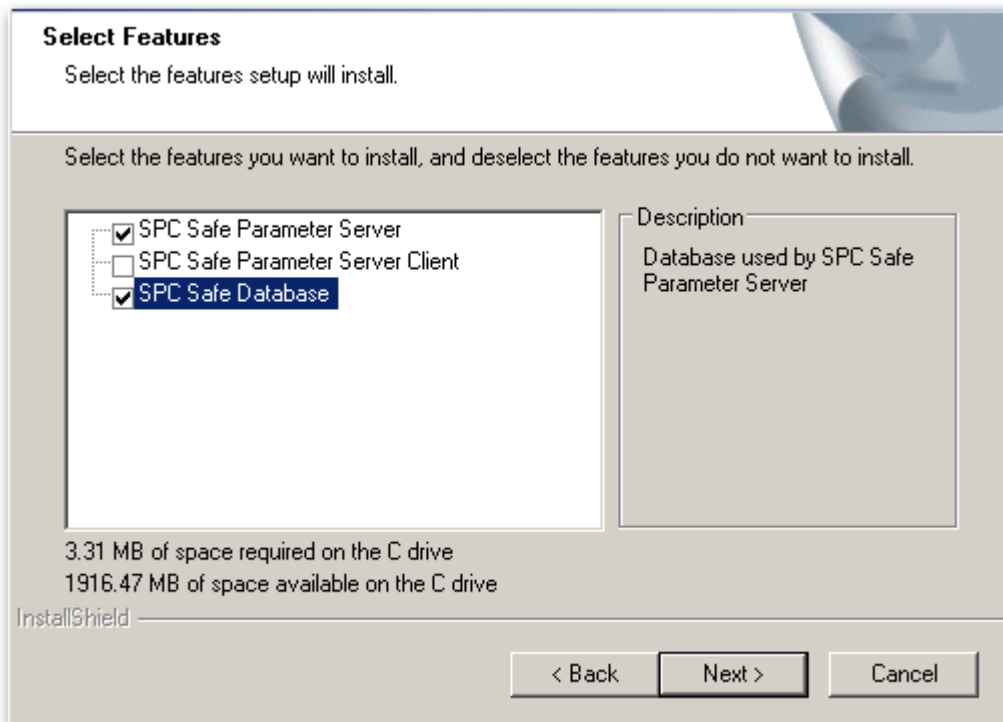
### 3.3 Installing only the server



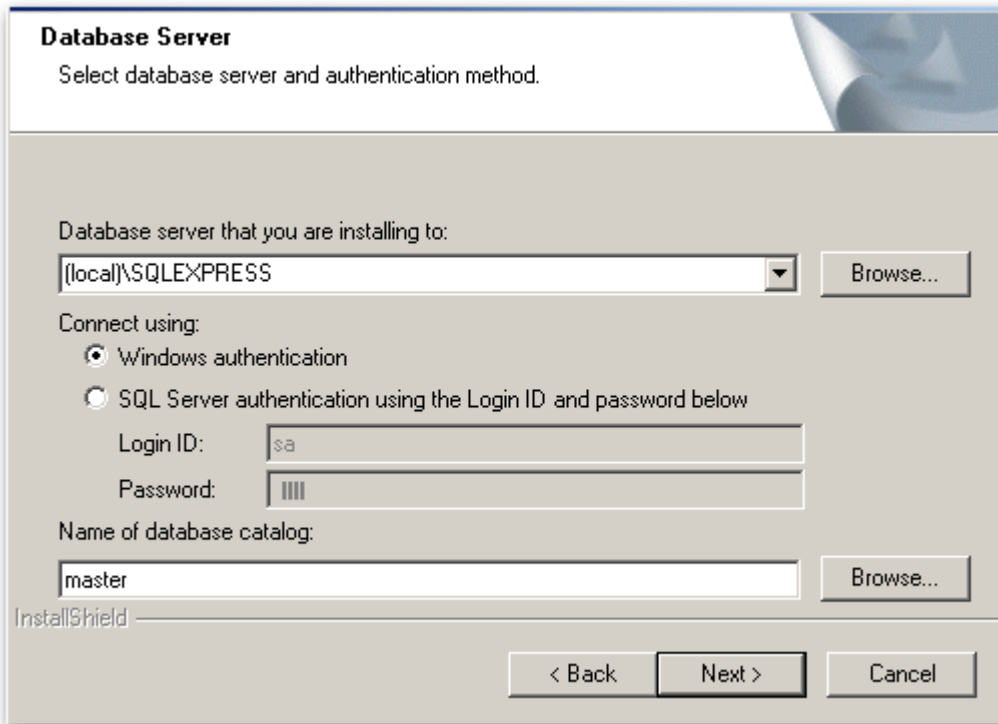
**NOTICE**

The SPC Safe Parameter Server needs the SPC Safe Database to work.

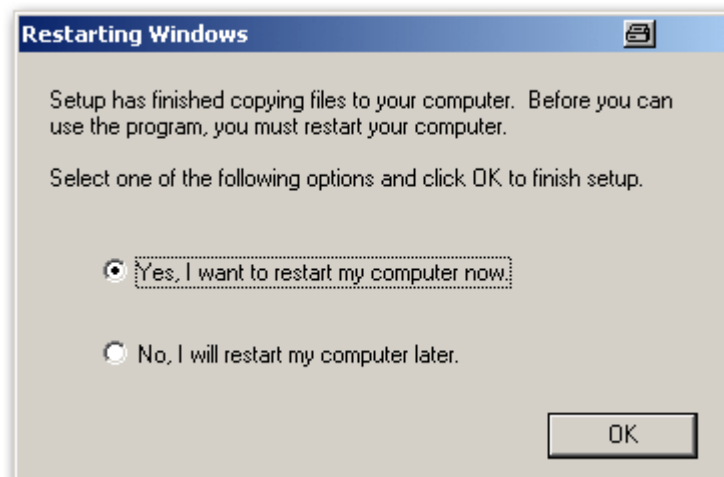
1. Select **Custom** in the Setup Type window.
2. Click **Next**.
3. Select a folder where the setup program will install files.
4. Click **Next**.



5. Select **SPC Safe Parameter Server** and **SPC Safe Database**. For explanation see below:
  - **SPC Safe Parameter Server:** This installs the back office server.
  - **SPC Safe Database:** The server needs the SPC Safe Database to work.
6. Click **Next**.



7. Configure the following fields (The default settings should be fine for most of the installations):
  - **Database server that you are installing to:** Select a database server which is installed on your PC
  - **Windows authentication:** Mark this to use the user authentication of the Windows operating systems.
  - **SQL-Server authentication....:** Enter the user and password of your SQL server
  - **Name of database catalog:** Use an existing database catalog.
8. Click **Next**.
9. Click **Install** to start the installation of the program.
10. Click **Finish** to complete the installation.
  - ⇒ The following window will be displayed:



11. Click **Yes, I want to restart my computer now**.

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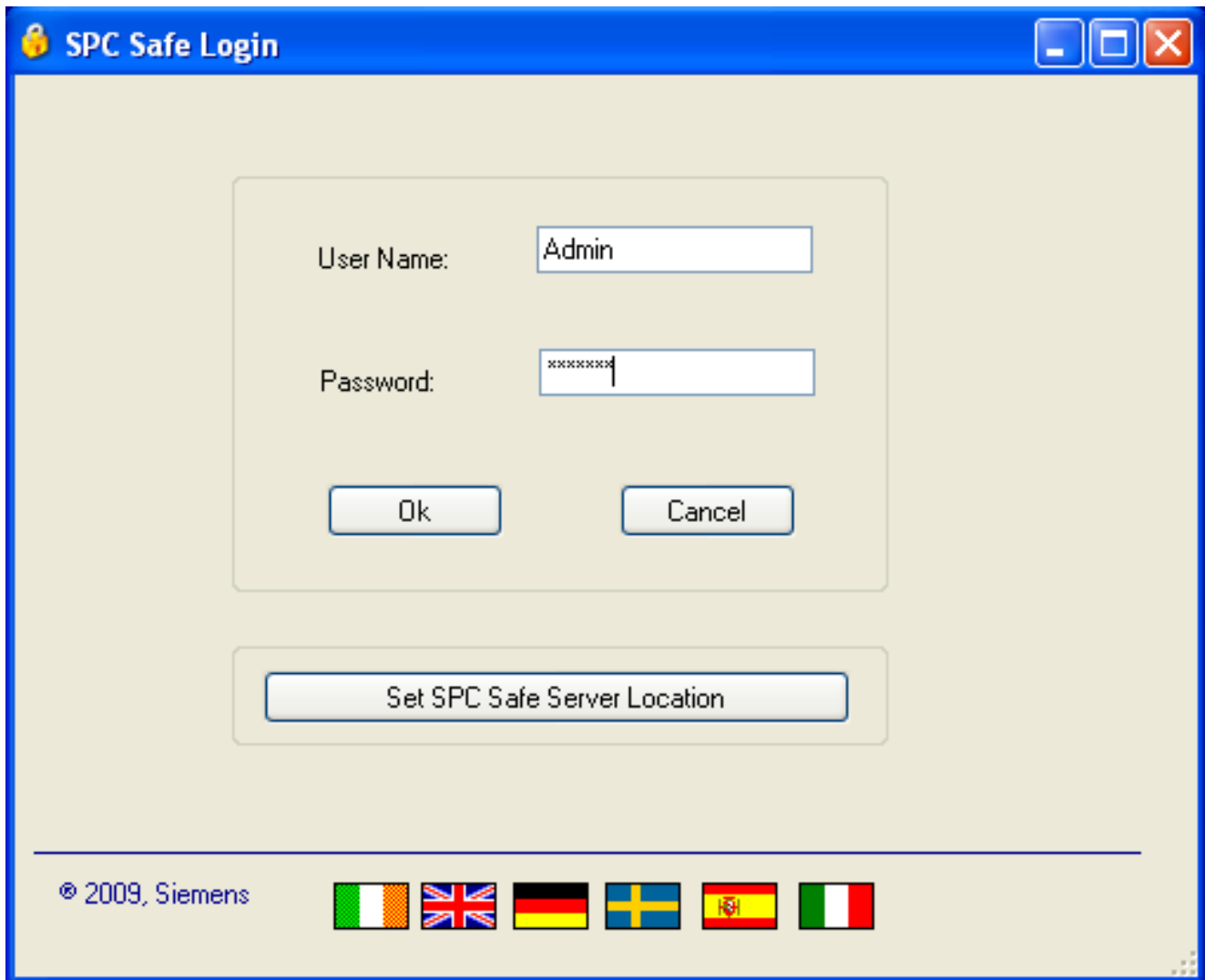
12. Click **OK**.

⇒ Your PC will be restarted now.

## 4 Getting started

### 4.1 Login

1. Start the SPC Safe Client from the Windows Programs menu.



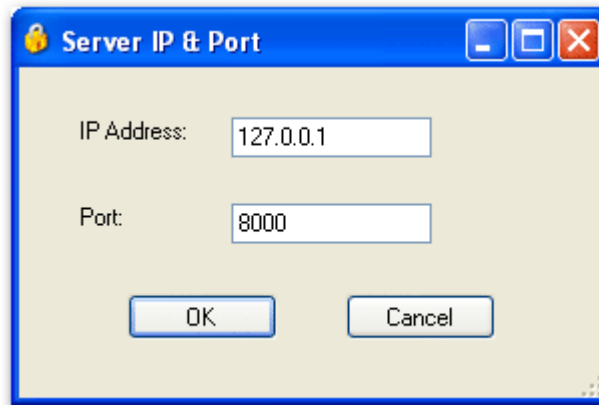
2. Enter the **User Name** and the **Password**.
  - Default User Name: Admin
  - Default Password: siemens




#### **NOTICE**

If you start the SPC Safe Client for the first time, the IP address and Port to the SPC Safe server has to be configured

3. Click the **Set SPC Safe Server Location** button.




4. Enter the **IP Address** and **Port** number of the SPC Safe Parameter Server.

	<b>NOTICE</b>
	In this example 127.0.0.1 represents the IP address of local host.

5. Select a language
  6. Click **OK**.
- ⇒ You will be connected to the SPC Safe server.

## 4.2 Menu bar

	<b>NOTICE</b>
	Some of the items will be greyed out depending on the level of user logged in.



Menu	Sub menu	Description
File	Login	General functions such as login, logout and exit.
	LogOut	
	Exit	
View	Tree view	Hierarchical view of the panel estate. Ability to add new nodes (panels, clients, installer, generic) for grouping panels by distributor or location, etc. For configuration in Tree view see page [→ 23].
	Table view	Table-based view of the panel estate. Ability to sort the installations by clicking on one of the column headings (e. g. ID or Client).

		For configuration in Table view see page [→ 22].
Admin	Users	Menu to add, edit or delete a user. For user configuration see page [→ 17].
	User Profiles	Available in a later market package.
	System-wide Time Sync	<p>You can synchronize the system time of all connected SPC control panels to network. This means that each SPC panel connected to SPC Safe will take the time zone of your SPC Safe Server.</p> <p>Time synchronization must be set for each panel. Therefore tick the checkbox <b>Time Synchronisation Enabled</b> in the menu <b>Edit &gt; Detail tab</b>. Before the changes are working you have to send the configuration to the panels. See page [→ 25].</p> <p>If the system-wide time sync is deactivated in the panel, the panel takes the local system time.</p>
	Import Wizard	Use this Wizard to import files from SPC Pro.
	Export	<p>Export all your configuration files to SPC Pro configuration folder.</p> <p><b>Warning: Existing SPC Pro files will be overwritten!</b></p>
	Smart Compare	<p><b>Smart Compare</b> is used to provide a better colour coded compare of the differences between two consecutive configuration files by applying the following rules:</p> <ul style="list-style-type: none"> <li>● Leading spaces in a string are not shown as a difference.</li> <li>● Leading zeros in a numeric field can be ignored.</li> <li>● Hexadecimal differences in a numeric field can be ignored.</li> <li>● “ “ should be the same as one or more zeros for a numeric field.</li> </ul> <p>For visualizing the changes click right on a panel &gt; <b>View Changes &gt; Advanced</b>. See page [→ 25].</p>
	Set SPC Safe Server Location	If the Server and the Client are not running on the same PC, please enter here the IP address and the port number of the server PC.
	Setup	First Time Import
Set SPC Pro Location		Select the path where the SPC Pro executable file is located.
Reports	System Logs	Stored SPC Safe log entries (e.g. user logins, changes of configuration database, communication sessions to panels) and filtering options.
Help	About	Program Version.



## 5 User configuration

### 5.1 Adding / editing an user

1. Select the menu sequence **Admin > User > Add** - OR -  
Select the menu sequence **Admin > User > View**.
  2. Complete at least the following mandatory fields in the table below.
  3. Click **OK**.
- ⇒ The user is added.

<b>User Name</b>	Enter the name of the user.
<b>Password</b>	Enter a password for the user to login in the SPC Safe.
<b>Full Name</b>	Enter the full name of the user.

### 5.2 Activating an user

#### Use case

An employee is on vacation. During this time, the user should not be allowed to log into the system. It is therefore possible to activate / deactivate the user. The advantage is that you do not need to delete users if they are out of office for a while.

1. Select the menu sequence **Admin > User > View**.

**View/Edit Users**

User Details Times Notes

\* - Mandatory Fields

User: Johny Average

User Name: \* Johny

Password: \* xxxxxxx

Access Level: Administrator

Title:

Department: Security Company

Full Name: \* Johny Average

Active

---


Contact No: 0123 456789

Email: johny@security-company.com


OK Cancel

2. Tick the checkbox **Activate**.
  3. Click **OK**.
- ⇒ The user is activated/deactivated.

#### Times tab

	<b>NOTICE</b>
	Calendar dependencies are not supported with this release.

### 5.3 Deleting an user

	<b>NOTICE</b>
	Deleted users cannot be restored.

1. Select the menu sequence **Admin > User > Delete**.

**Delete User**

User Details Times Notes

User: Johny Average

User Name: Johny

Password: xxxxxx

Access Level: Administrator

Title:

Department: Security Company

Full Name: Johny Average

Active

---

Contact No: 0123 456789

Email: johny@security-company.com

OK Cancel

2. Select a User from the drop-down list.
  3. Click **OK**.
- ⇒ The user is deleted.

## 5.4 User profiles



***NOTICE***

The setting of user access levels and user profiles is not supported in this version (each user has Administrator rights).

## 6 Configuring in Table view

After the login, you see the Table View of the program.

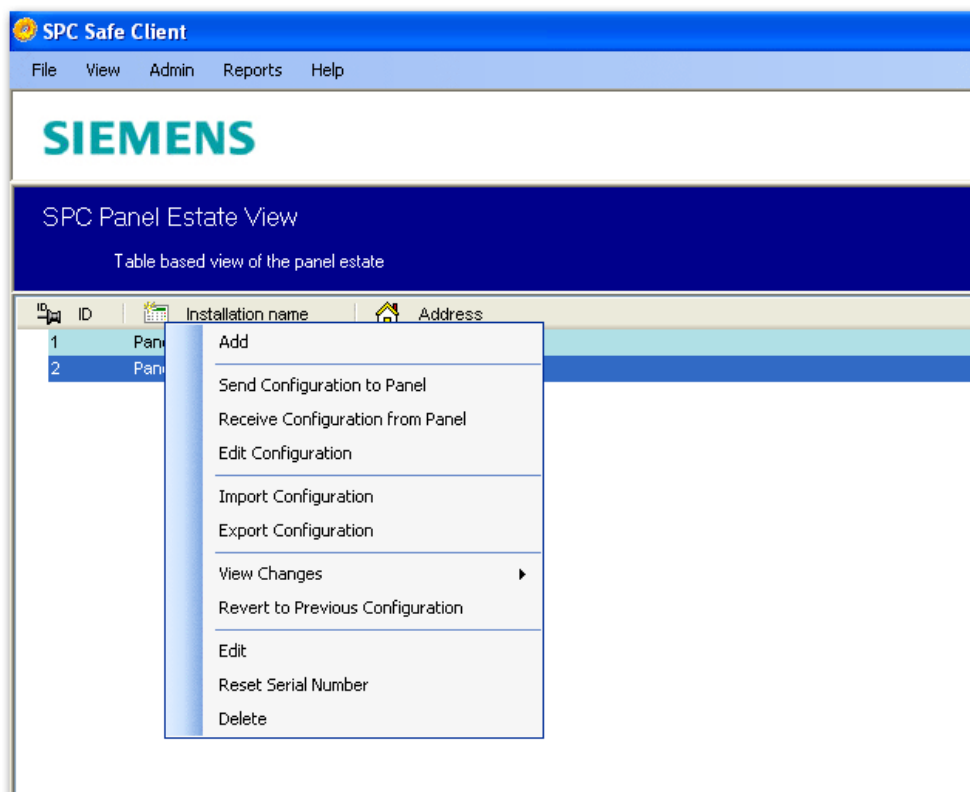
The Installation window lists all the panels created on the system.



### NOTICE

On entering this page for the first time the list will be empty and you will be required to add or import a panel in order to proceed

- Right-click on a panel to open the context menu.



### NOTICE

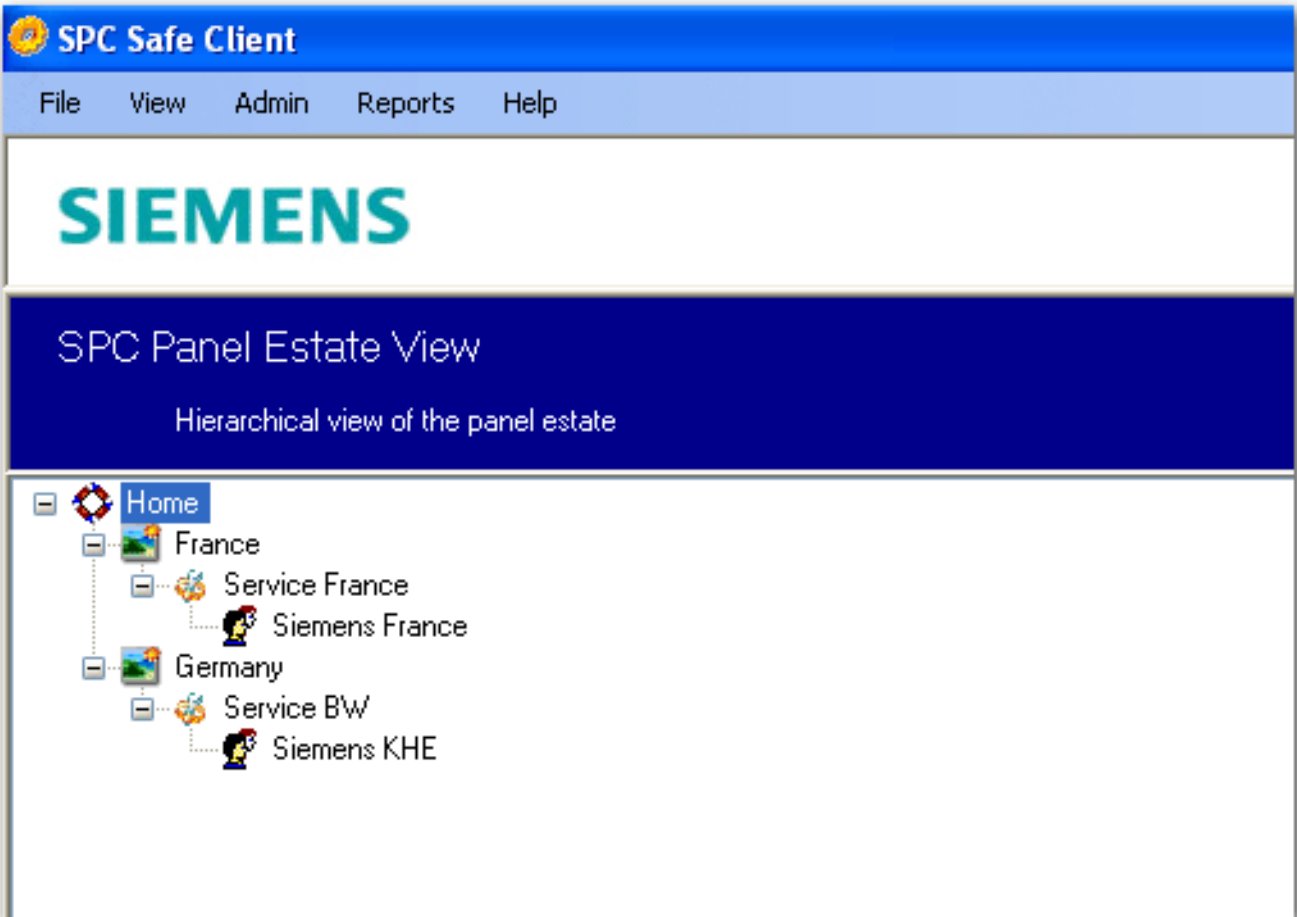
For further information about configuration see page [→ 25].

### 6.1 Sorting the Table View

- To sort the Table View in ascending or descending order: Click on the table header, for example ID | Installation name | Address | Panel Type | Client | Service company.
  - ⇒ The table is sorted by the selected column.
  - ⇒ Current sorting is indicated by an arrow in the column header.

## 7 Configuring in Tree view

1. Select the menu sequence **View > Tree view**.



2. Right-click on the root node (in this graphic the root node is Home).
3. Select one of the 4 instances from the first table.
4. Configure at least the mandatory fields from the second table.

<b>Panel</b>	Panel is the fourth level instance.
<b>Client</b>	Client is the third level instance after Service company
<b>Service Company</b>	Service company is the second level instance after Generic
<b>Generic</b>	Generic is the top level instance after root node

Mandatory fields in	General tab	ID tab	Details tab
Generic	Name		
Service company	Name	Company ID	

Client	Name		
Panel	Name		Installation ID
			IP Address
			Port
			Password


**NOTICE**

You can move the instances by drag & drop.



## 8 Panel handling

### 8.1 Adding a panel

	<b>NOTICE</b>
	To enable an IP connection to an SPC panel with IP interface use the SPC Pro software or the SPC Web Server. For further information please refer to the corresponding manual.

**In the Table View:**

- Right-click somewhere on the installation window



**In the Tree View:**

1. Right-click somewhere on the parent node.
2. Click the **ADD** button.
3. Configure at least the following fields:

Mandatory fields in	General tab	Details tab
Panel	Name	Installation ID
		IP Address
		Port
		Password

### Synchronisation



	SPC Safe database is synchronised with control panel
	SPC Safe database is <b>not</b> synchronised with control panel

### 8.2 Configuring a panel

1. Right-click on an existing panel.
2. Configure the panel as described in the table below:

Menu	Meaning
------	---------

Send Configuration to Panel	The configuration stored in the SPC Safe database is sent to the panel.	
Receive Configuration from Panel	The configuration stored in the panel is sent to the SPC Safe database.	
Edit Configuration	Edit an existing configuration with SPC Pro client interface. For <b>Setup</b> see page [→ 15].	
Import Configuration	An SPC Pro configuration file can be imported and used by the SPC Safe database.	
Export Configuration	An SPC Safe configuration file is exported to an SPC Pro compatible *.cfg format.	
View Changes	Advanced	Shows the configuration changes in a XML file For <b>Smart Compare</b> configuration see page [→ 15].
	History	Shows the last configuration changes by time schedule
Revert to previous configuration	Change back (undo) to last configuration saved in SPC Safe database.	
Edit	Edit the panel settings.	
Reset Serial Number	If this function is activated the SPC Safe will accept a new panel serial number for this installation ID. This maintenance function must be activated after a replacement of panel controller board; otherwise a connection will be refused.	
Delete	Delete a panel. The panel will be deleted. A deleted panel cannot be restored!	

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