Keystone View

User Manual

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1 Installation

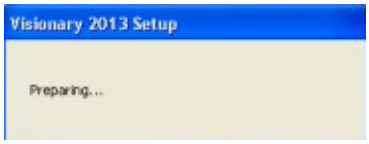
1.1 General

In this section it is explained how to install and configure the Keystone View application the correct way .

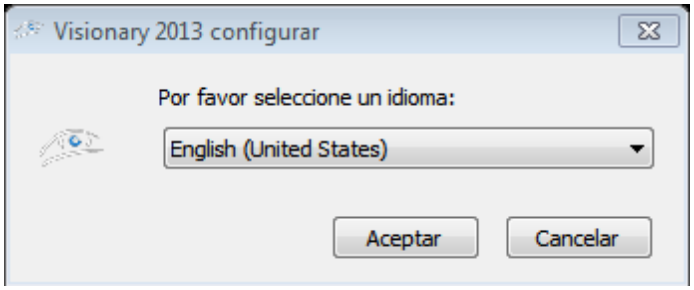
With the Keystone View setup file ready, double click it or right click it and select "open" to open it.

Once open, the setup is going to show a row of images that will be explained step by step, with it's performance and necessary configuration.

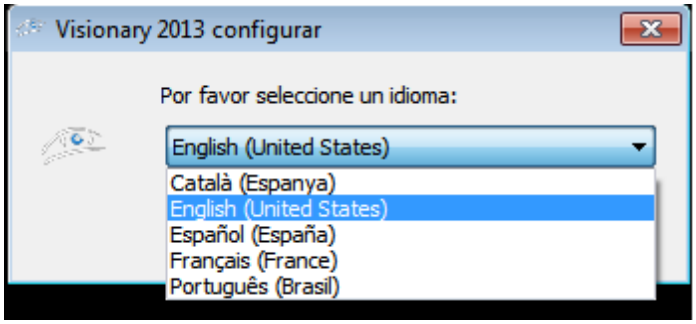
Keystone View Installation



Configuration screen and automatic preparation of the application.



Language selection screen.



The application has currently five available languages, as showed above.
Note: The selected language won't affect the application, just the setup.

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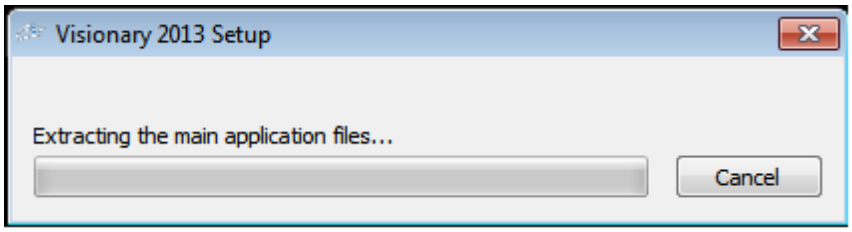
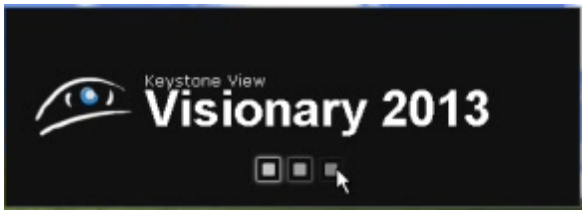


In this screen the setup will scan the computer to check which system requirements are installed; to omit that step and avoid future problems with the setup and KeystoneView application.



This screen shows a list of characteristics and not installed requirements in the computer that are necessary to continue.

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This screen shows the storage space needed in the computer for the application to work, as well as the installation route of the Keystone View application, it is recommended to not change this route, and the terms and conditions of the KeystoneView application.

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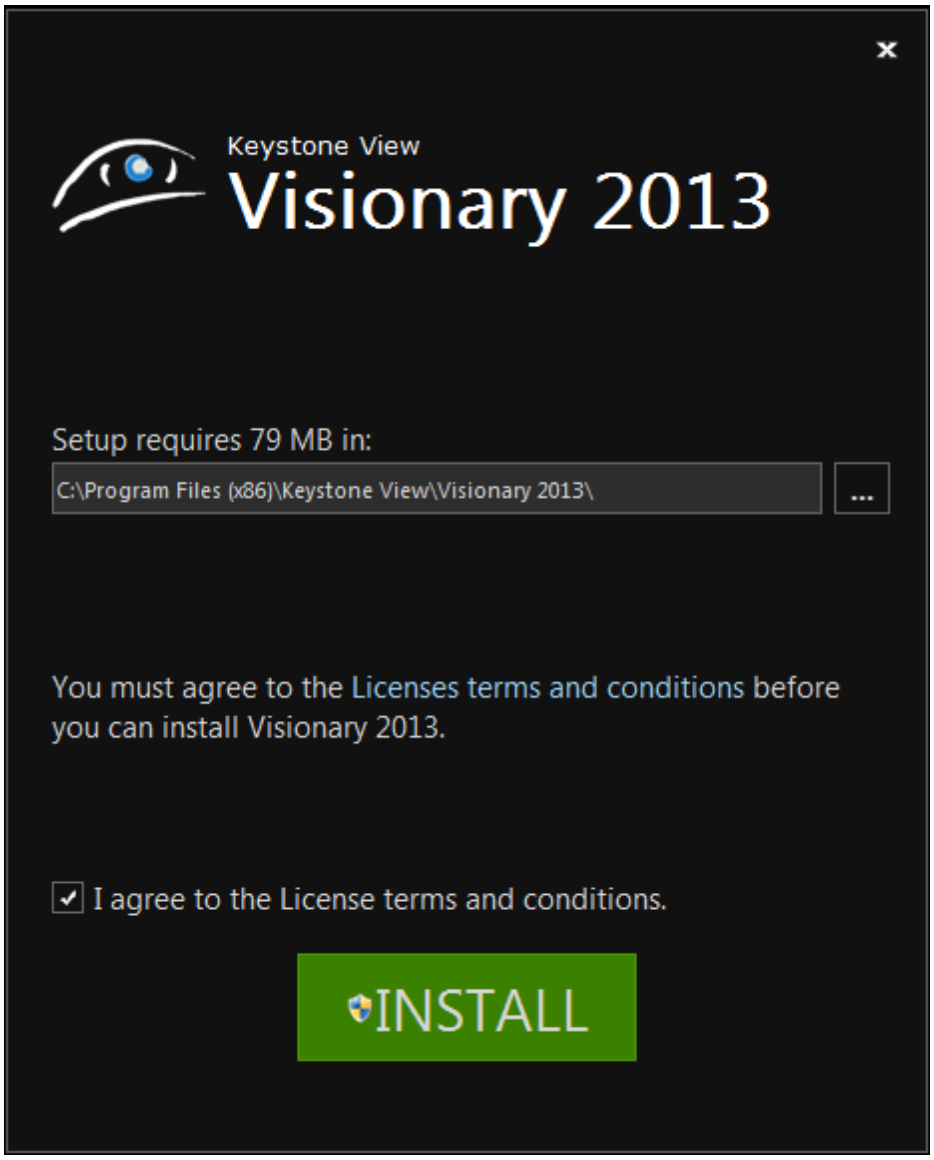

Once read the license terms and use conditions of the KeystoneView application, proceed to check the accepting box, once checked the "INSTALL" button will be available to continue the installation.

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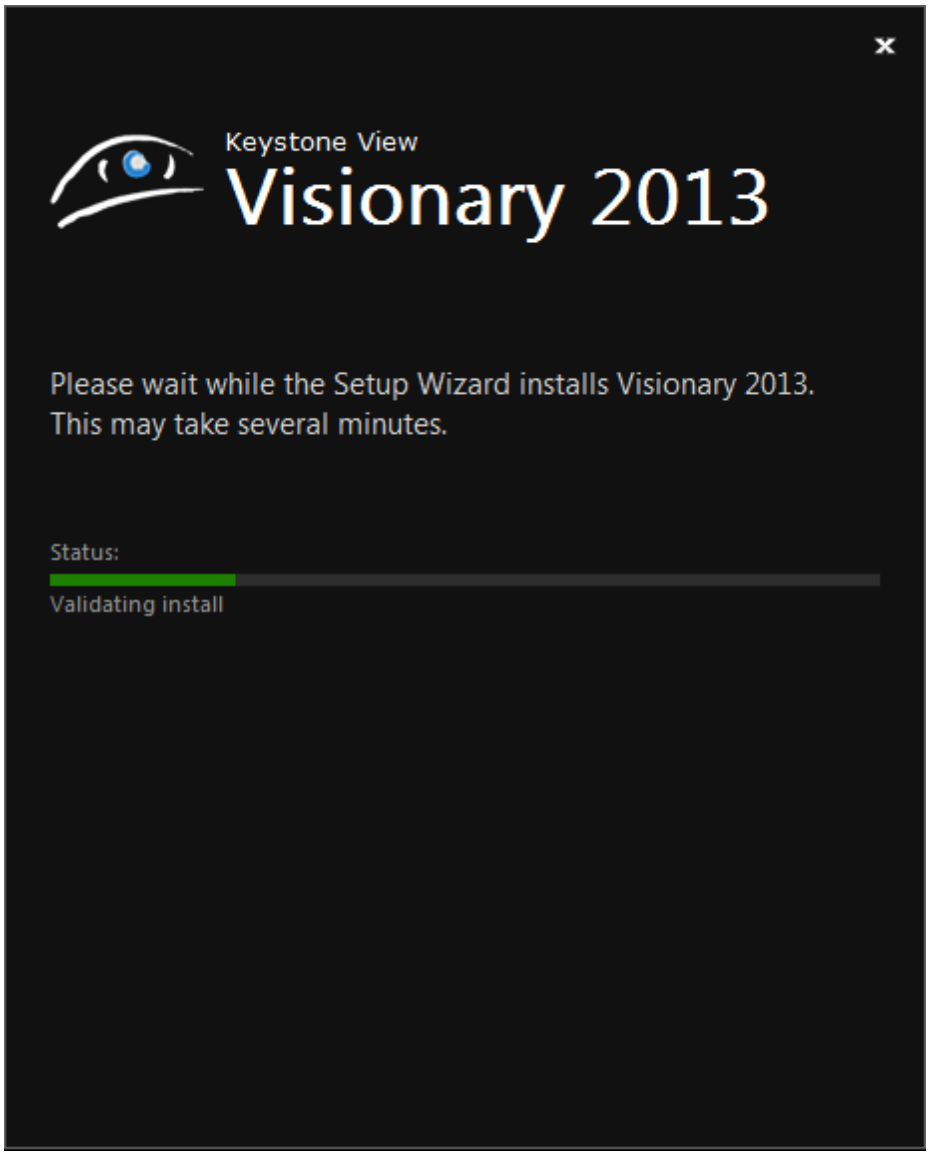

This screen shows the necessary additional requirements for the installation.

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Once downloaded, the setup will automatically proceed to extract and install them.

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In this screen the setup is installing the pre-requirements.

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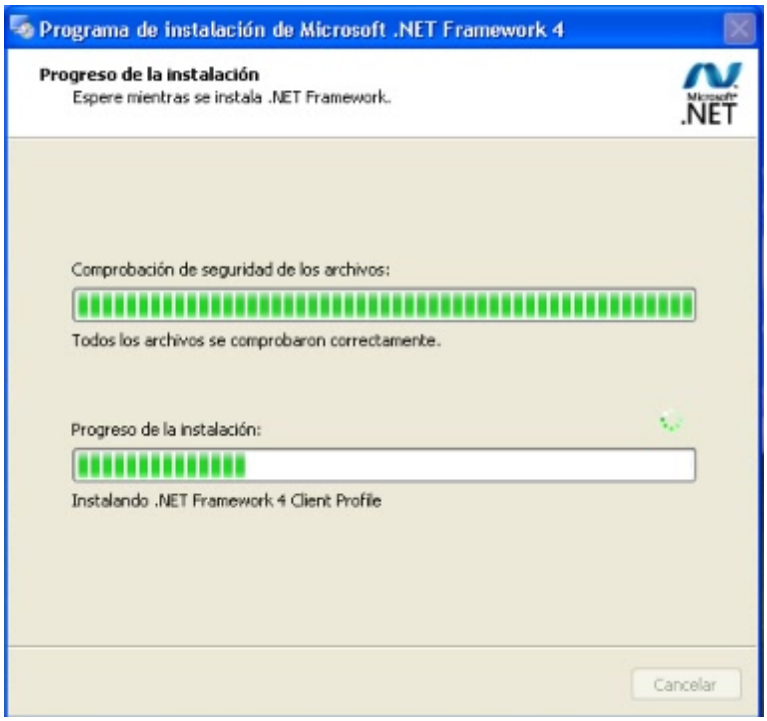

In this screen it is installing the Microsoft .Net Framework 4 pre-requisite. Which was determined as necessary by a previous process, it would be omitted if it wasn't necessary.

In this screen MySQL will be installed, it will control the data bases.

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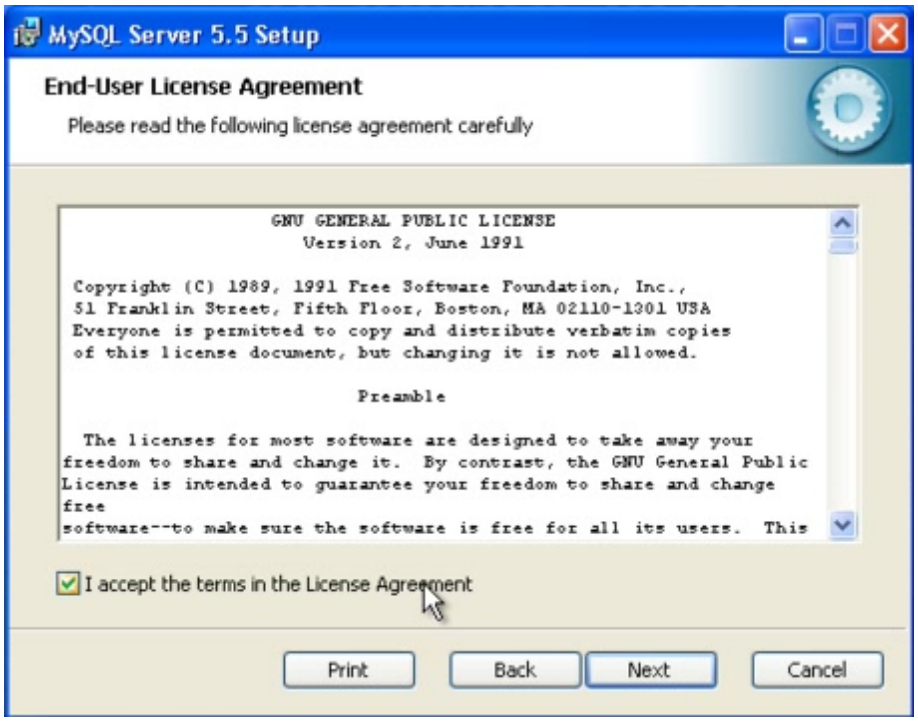
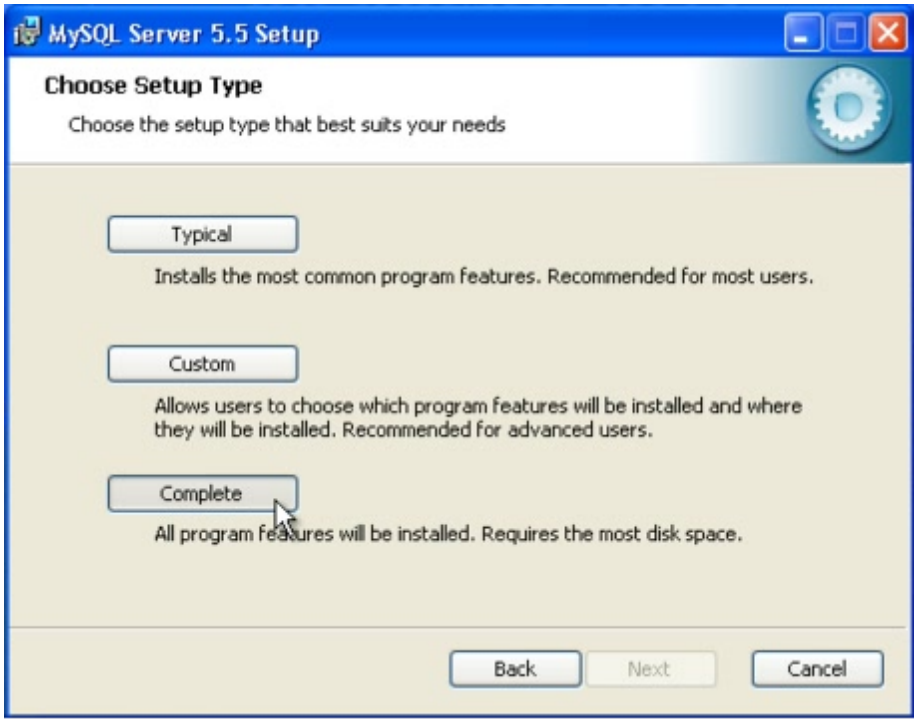


This screen shows the terms and conditions of MySQL that must be read and accepted.



In this screen the option "Complete" must be selected.

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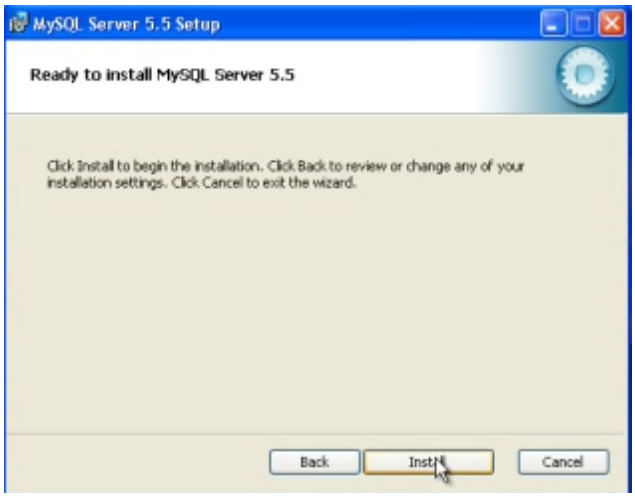

Click install and wait for the installation process.

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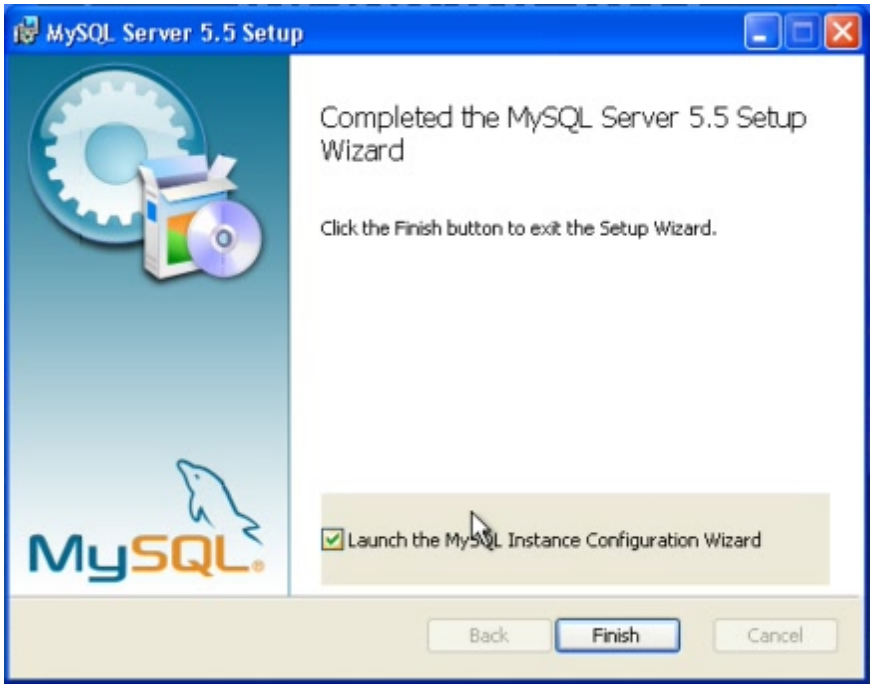
Both screens from above show MySQL presentation, just press next.



The "Launch the MySQL Instance Configuration Wizard" box from MySQL must be checked before finishing the installation, otherwise KeystoneView application won't work properly.

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In this MySQL initial configuration screen just click next.

In this screen detailed configuration must be selected, otherwise it will omit some necessary steps for the KeystoneView application.

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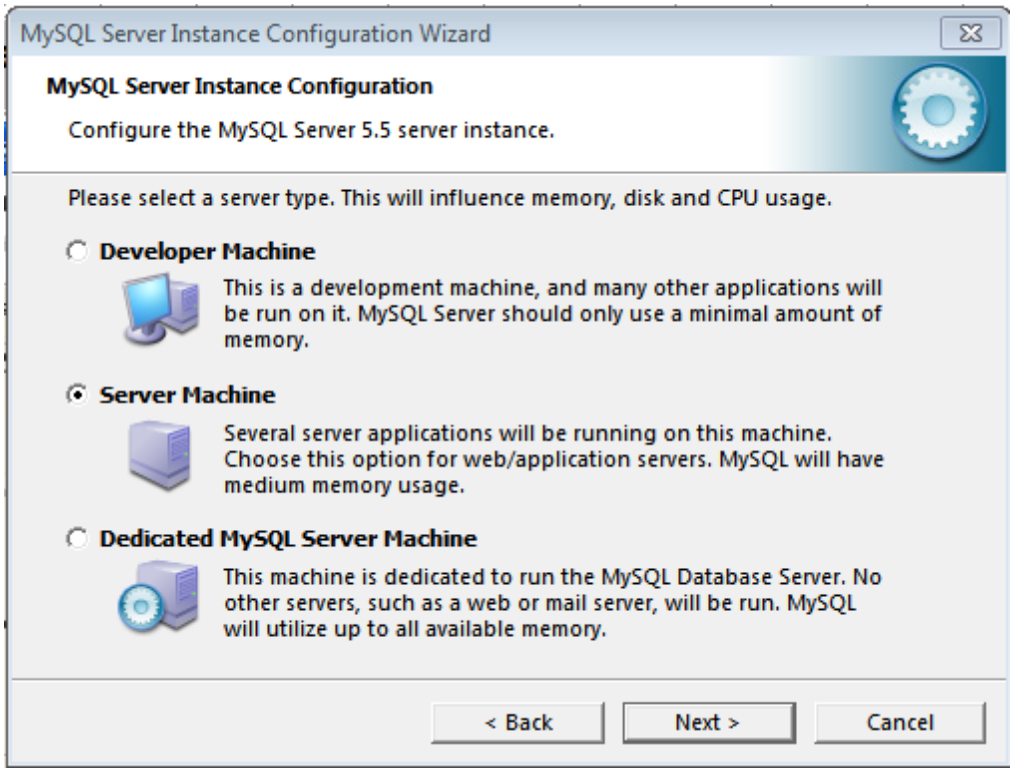
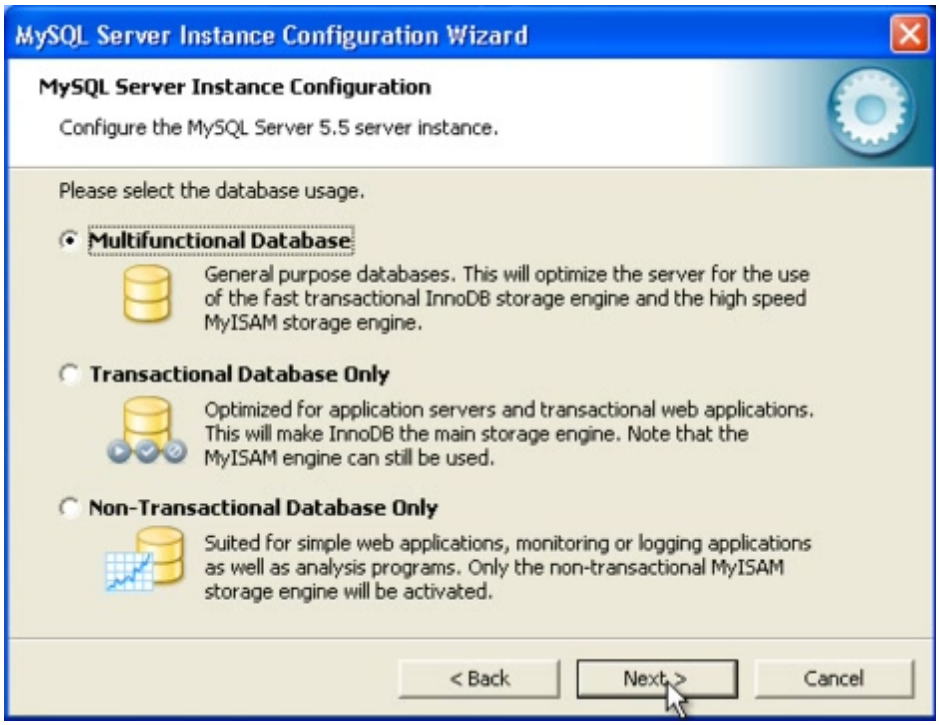


Select the "Server Machine" option for the MySQL server as shown in the image.



Select the "Multifunctional Database" option for the database type needed.

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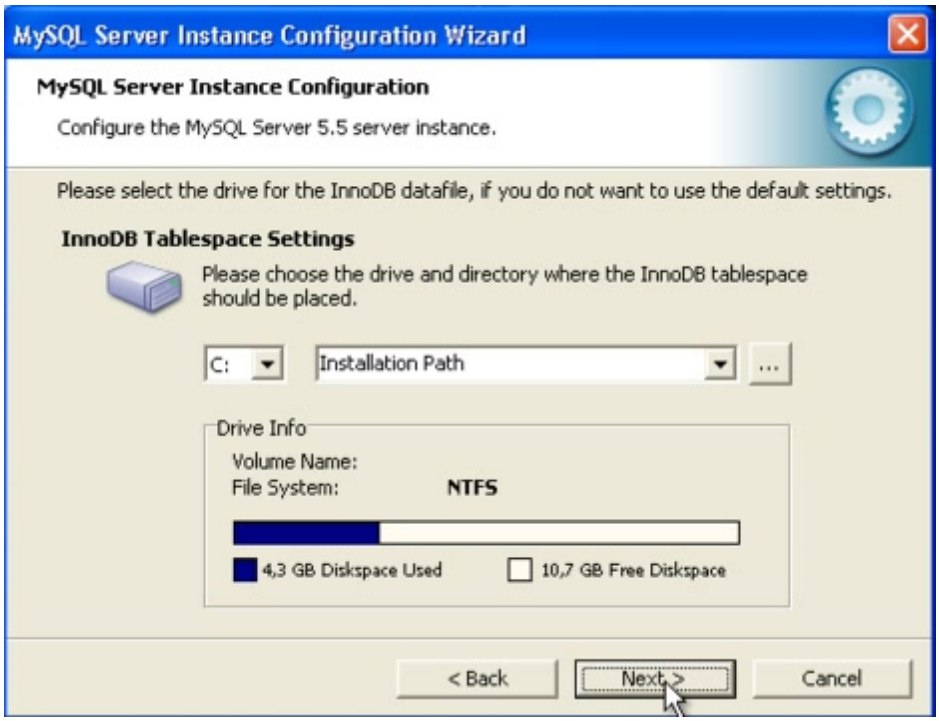
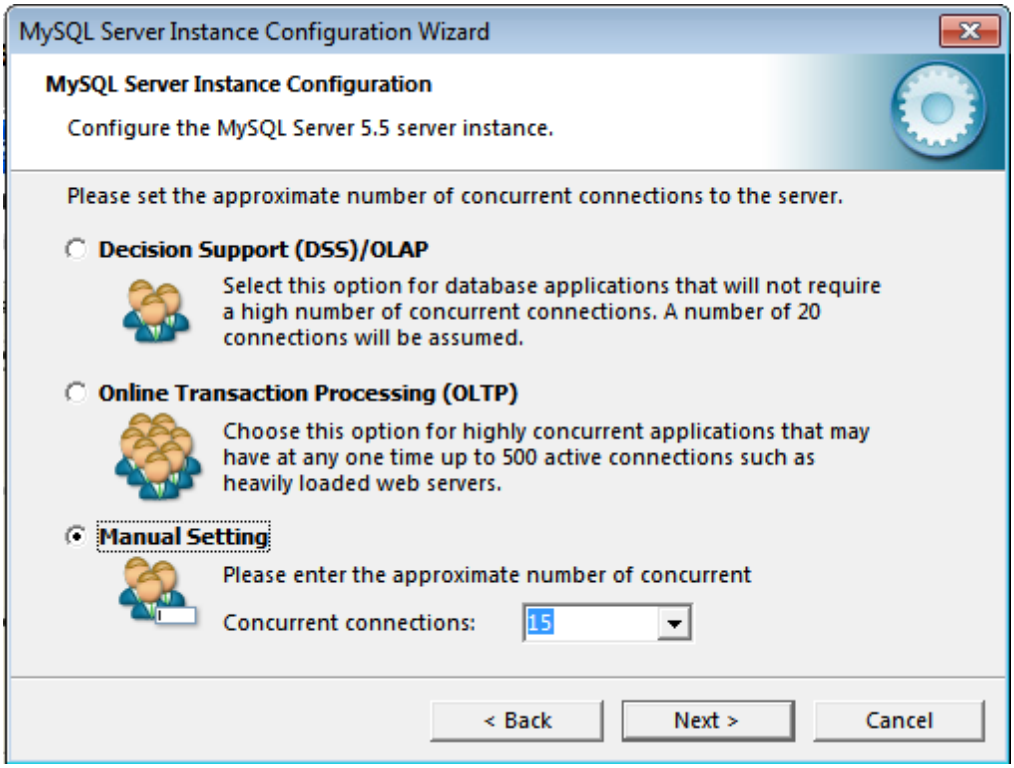


In this screen the required space for MySQL installation is shown, in case you have enough space leave it unchanged, otherwise use a set amount of storage space in your computer.



In this screen the number of concurrent connections limit is set, select "manual setting", 15 is the default.

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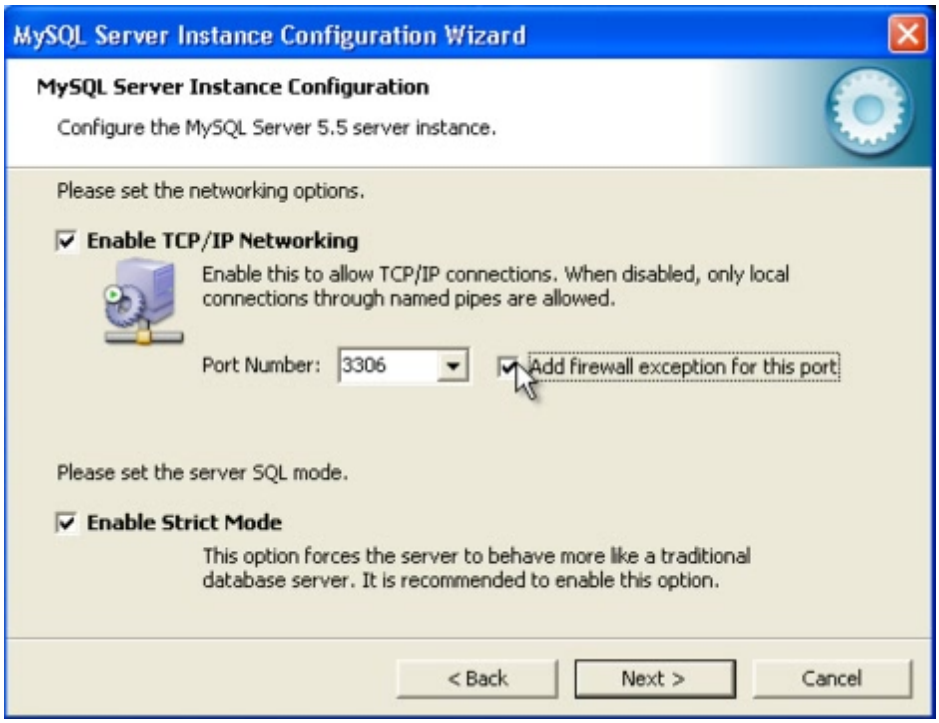

Here the "Add firewall exception for this port" box must be checked, wich will allow the MySQL work without being blocked by the anti-virus.

In this screen is important to select the last option and type "utf8" in the box, as shown in the image.

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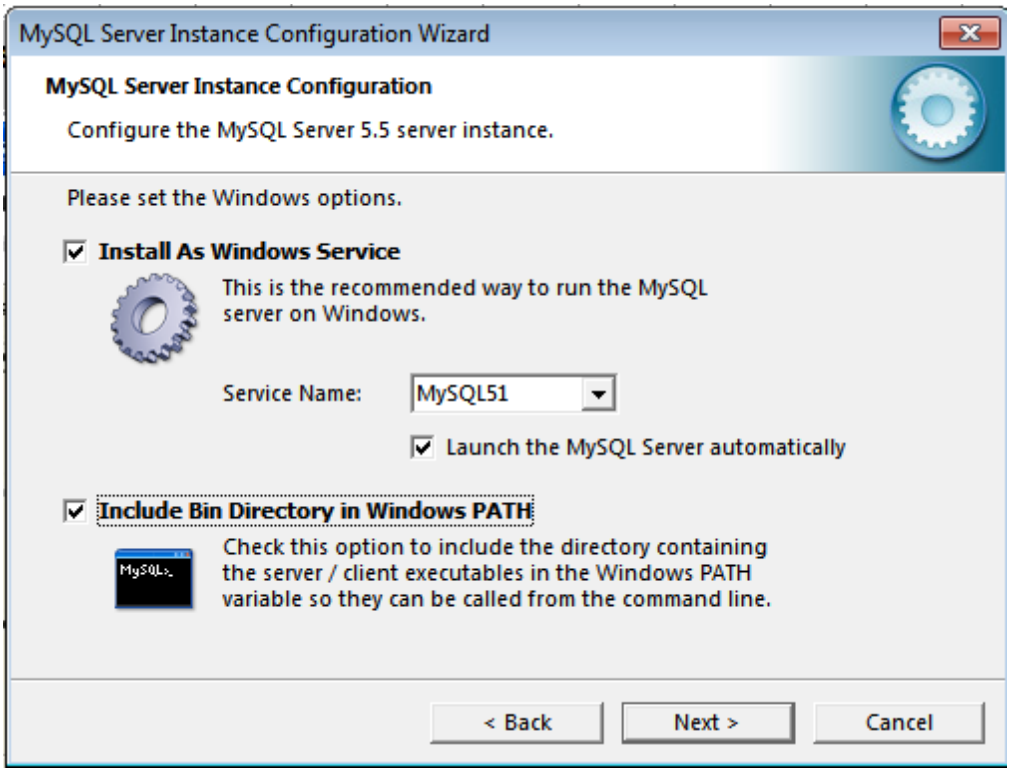

In this screen select "MySQL51" at service name and check: "Install as windows service", "Include Bin directory in windows path" and "Launch the MySQL server automatically".

Here you must enter the password going to be used by the MySQL administrator and check the remote connections box.

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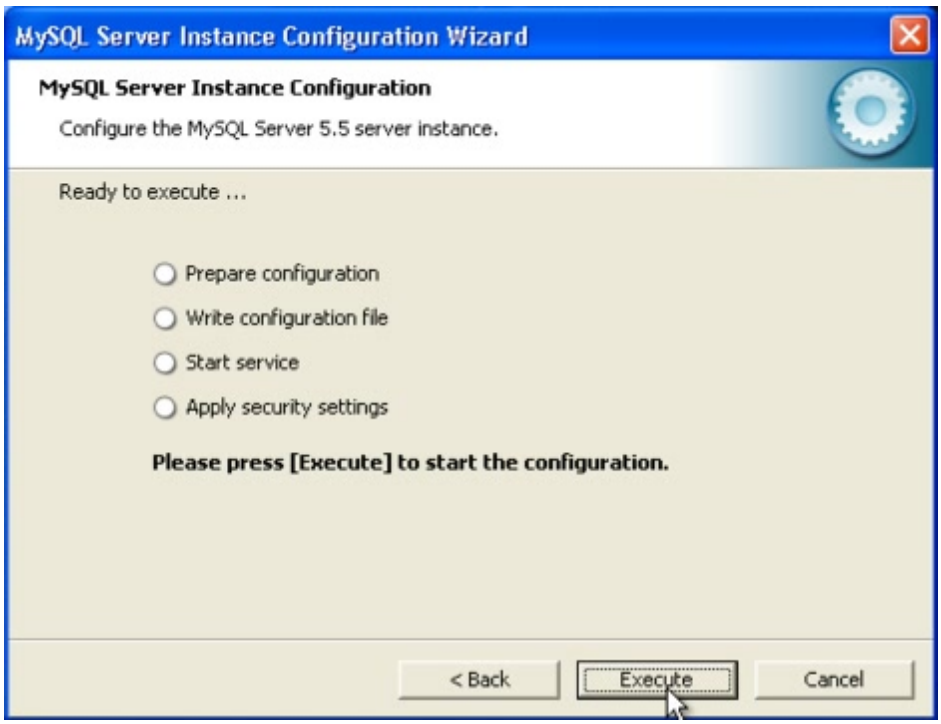
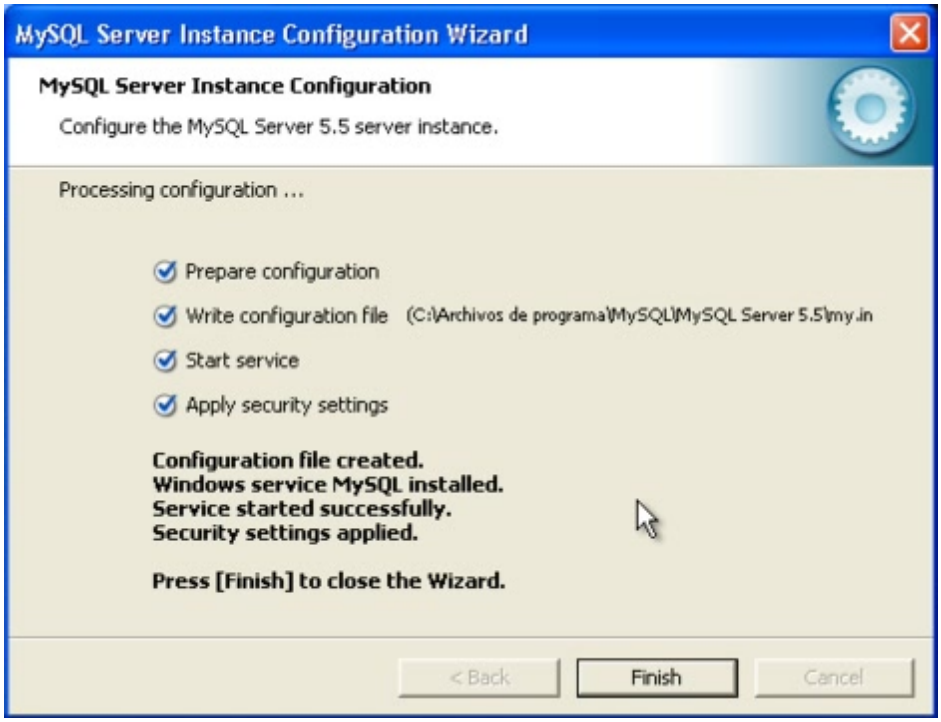
Note: This password is really important because it is the one that will be used to launch the server for the first time, be sure to remember it.



When this step is done, only pressing "Execute" is left.



The MySQL configuration is done, click finish to quit.

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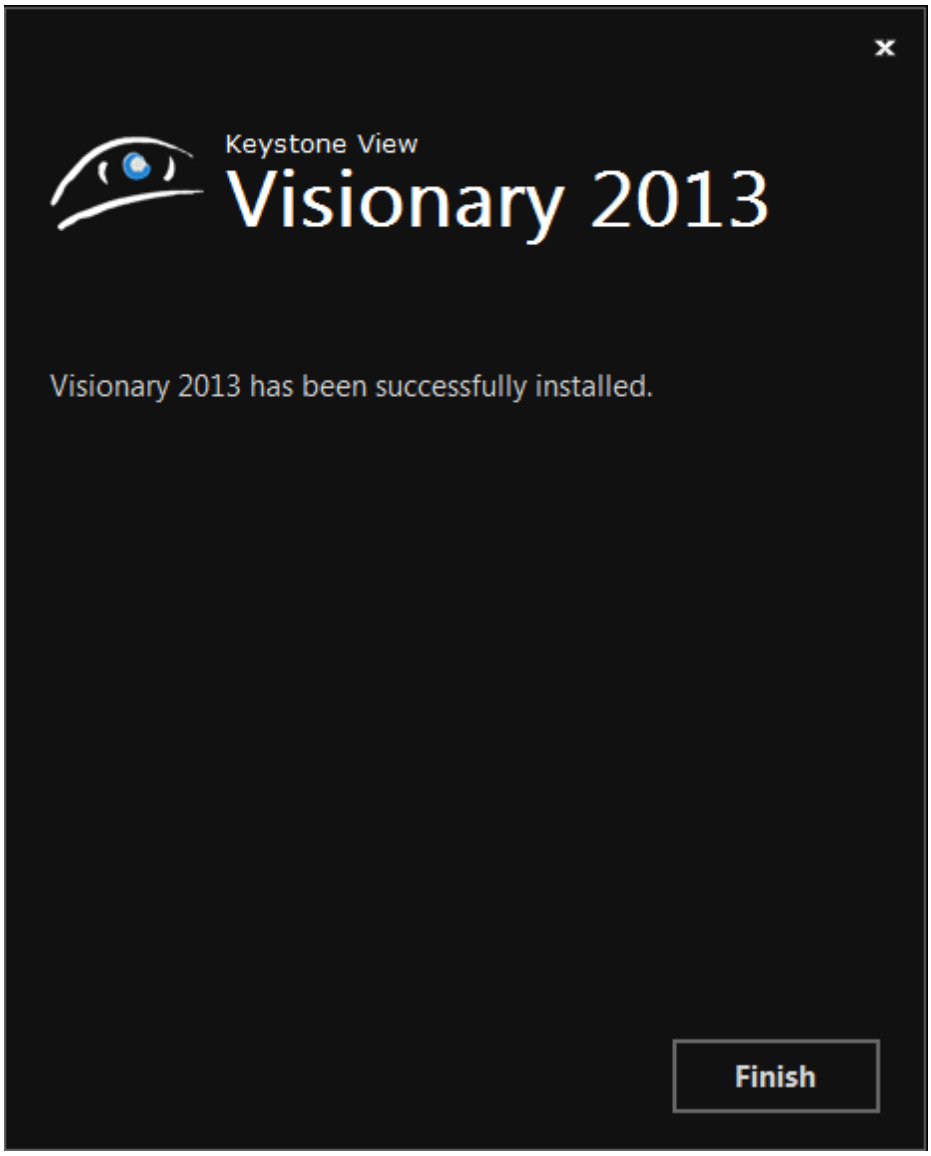

Press "finish" to close the Keystone View setup. Now the application should be run without problems.

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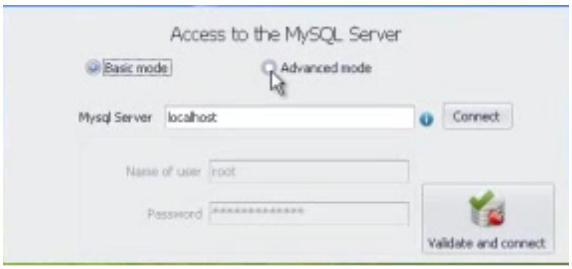
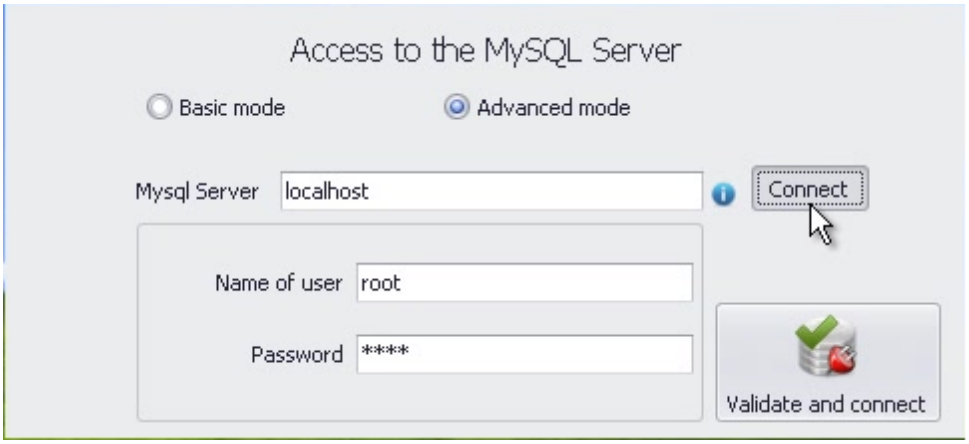
1.2 Configuration

This is the initial configuration for the KeystoneView application when you execute it for the first time.



This screen shows the information inputted in the MySQL application, the previous introduced configuration for the server connection must be entered. The password is the red rounded in the previous section.



With the advanced mode selected, changing the user name and password becomes available, it is for accessing the MySQL server, not the KeystoneView application.
The server is usually localhost or 127.0.0.1.
In the user name root must be entered, because it is the administrator name selected previously and the password is the one selected there as well. (see setup references).

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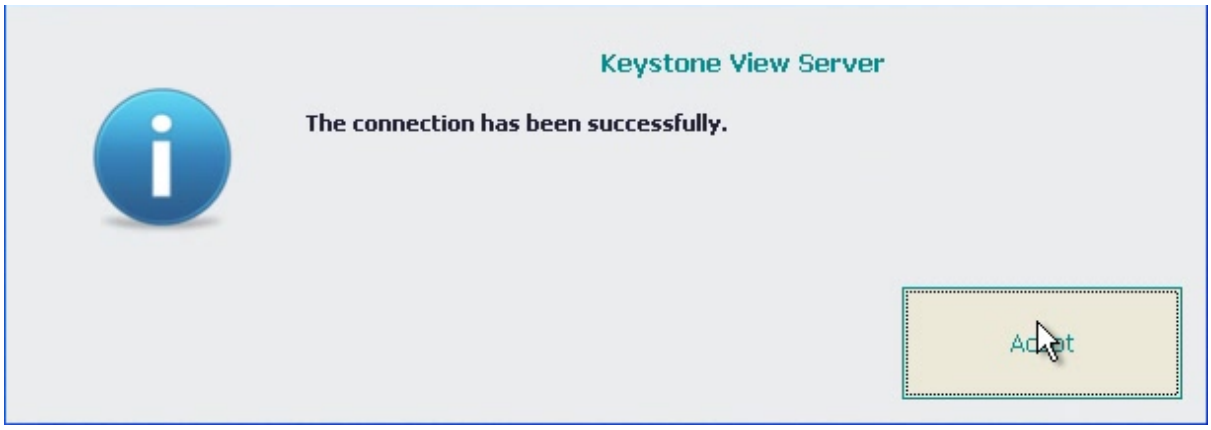
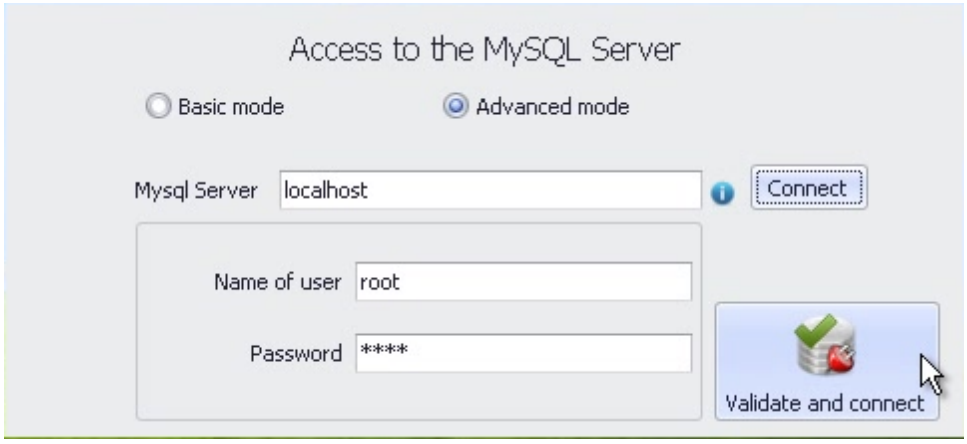
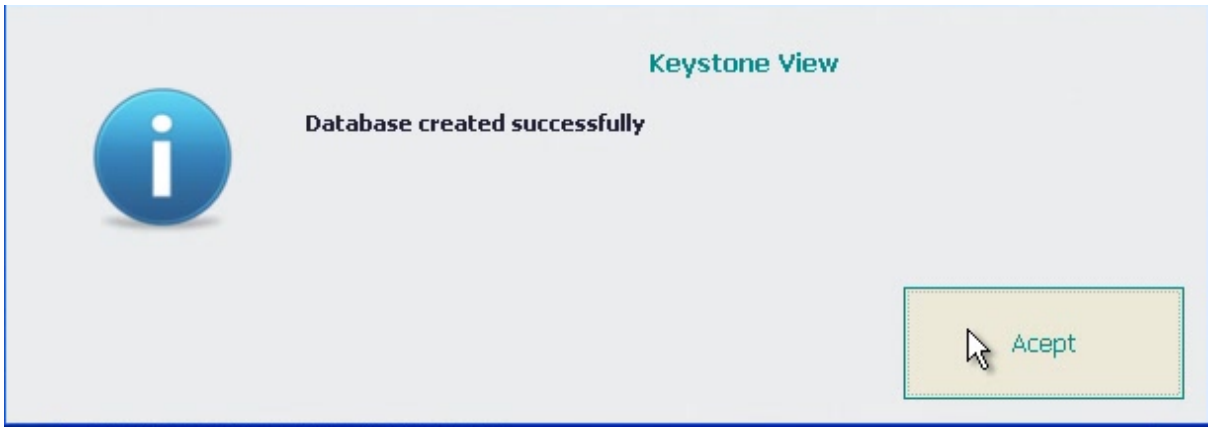


When the data is entered press the connect button to check the connection status, if it is correct a message like this is shown, it means you can proceed, otherwise the information must be verified.



Once the information is entered correctly press "Validate and connect" to continue.



In case the Keystone View database doesn't exist in the MySQL server the program will create a new one, when finished it won't show a message like the above one.

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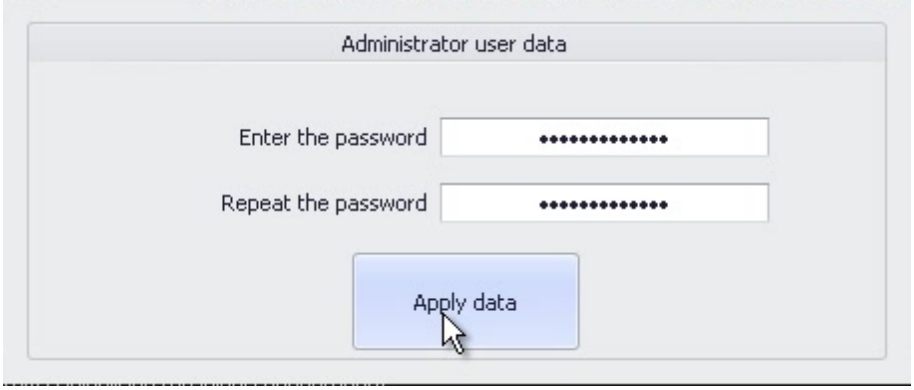
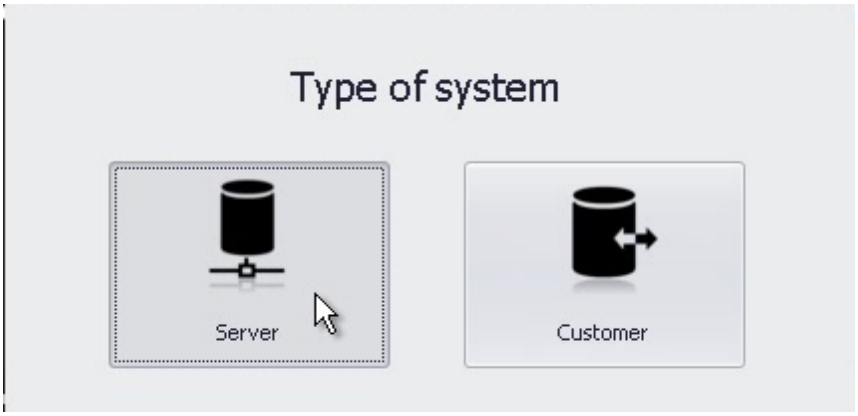


Indicate the password for the "ADMIN" user of the KeystoneView application, set an easy to remember password, because otherwise the application can't be accessed. But this isn't a usual password, because it must have characters like: @, $, %, &, ?, ? , ?, ?, ? , ? , and more, it must have capital and lowercase letters, numbers and an 8 characters minimum as: @Keystone2013. (This password is really important because it is the log-in password that will be used every time the KeystoneView application is accessed, do not forget it).



Now the behavior of the Keystone View application is set, there are 2 available options:
Server (to set the computer as a server, for other users to access the database) and,
Customer (to set the computer to access to another server to get it's database, but it will have it's own database to be able to work in case the server fails).

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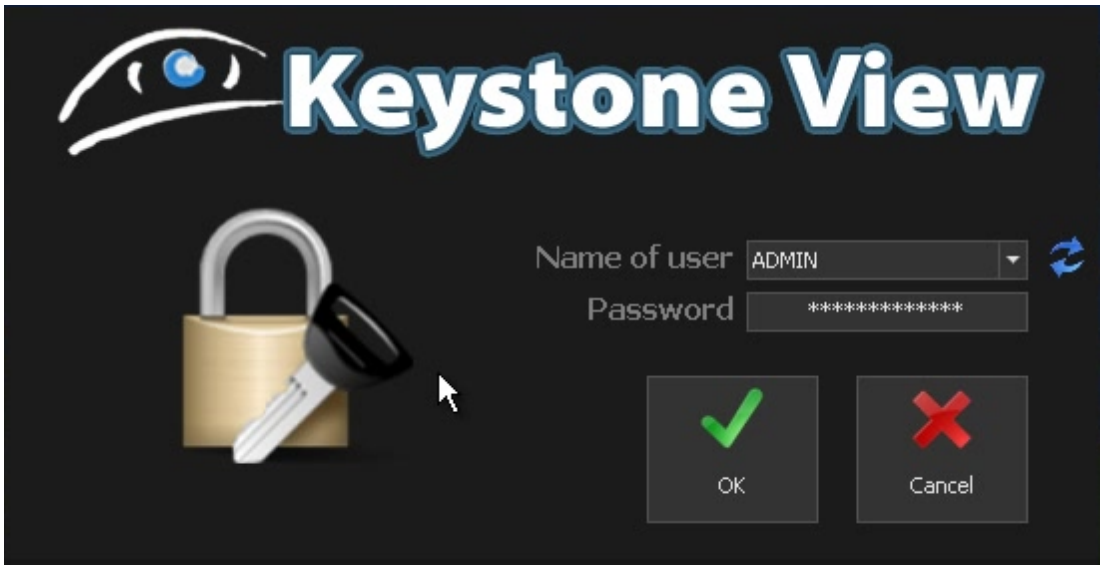

This is the last screen, now type the ADMIN password previously set, and now you are able to use the Keystone View application without problems.

2 Introduction

2.1 Keystone View Software

The KeystoneView application is designed to complete the specific task of examine via a specific Mast Concepts International S.A. device.

EYE EXAMINATIONS IMPORTANCE

The sight gives environmental control. A significant part of the learned information is done through the eyes. Having a correct sight is essential for a kid's good learning and development. For adults, having a correct sight is essential for security, work, entertainment and everyday activities.
In the US nearly 40% of the population has some type of visual dysfunction. Fortunately, more than the 95% of those cases are able to get a correct vision through corrective or therapeutic interventions. Sight exams make this work easier,quickly indicating if a person's sight is in the acceptable parameters of "Good Vision" or needs more visual tests or therapy.

2.2 System Requirements

The KeystoneView Software adapts to the last graphic design technologies demand for windows applications, this implies some system requirements for optimal execution.

The application can only be installed in Windows operating systems, from XP SP1 and onwards (Vista, 7 y 8).

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The system (hardware) requirements for the KeystoneView Software are:

Windows XP requirements:

Requirement	Minimum Resource	Optimal resource
Main hard drive available space	500 MB	1 GB
RAM	512 MB	1 GB
Video card	128 MB	256 MB
Proccessor	2.3 GHz	1.7 Ghz dual-core (64 bits)
USB port 2.0	1 Available port	1 Available port

Windows Vista, Windows 7, Windows 8 requirements:

Requirement	Minimum Resource	Optimal resource
Main hard drive available space	1 GB	1.5 GB
RAM	1 GB	2 GB
Video card	256 MB	512 MB
Proccessor	2.3 GHz	1.7 Ghz dual-core (64 bits)
USB port 2.0	1 Available port	1 Available port

Windows XP, Windows Vista, Windows 7, Windows 8 configuration:

Requirement	Configuración Requerida Mínima
Screen resolution	1024 x 768 px
Color quality	32 Bits

Note: It is recommended to have an internet connection enabled.

Windows XP, Windows Vista, Windows 7, Windows 8 required applications:

Requirement	Versión Requerida
Windows Installer	3.1
.Net Framework	4
MySQL Server	5.5.10
MySQL .Net conector	6.5.5
Adobe Reader or similar	8.0 or Superior
Windows Media Player (or another video player)	11

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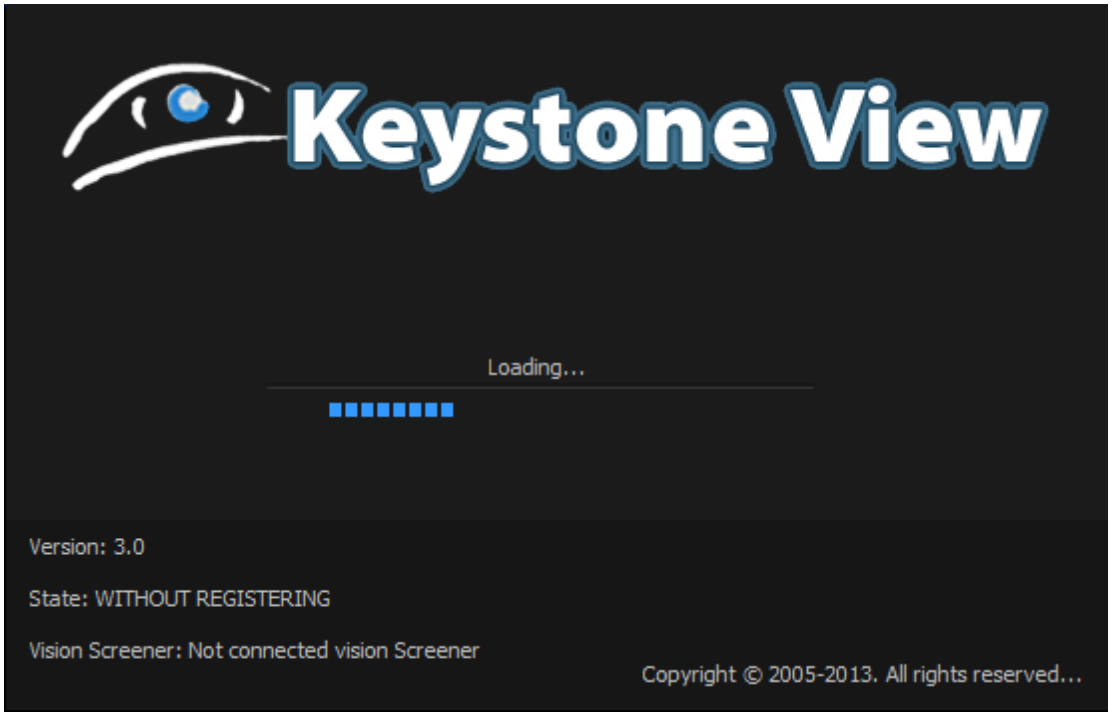
3 General

3.1 Basics

3.1.1 System Start

Home screen



This screen shows as a wait form. In this time lapse, necessary data for the system will be loaded, like:

- Initial configuration.
- MySQL server connection.
- MySQL service status.
- Database creation (In case it doesn't exist in the said connection).
- Connected Vision screener assignment information.
- and more.

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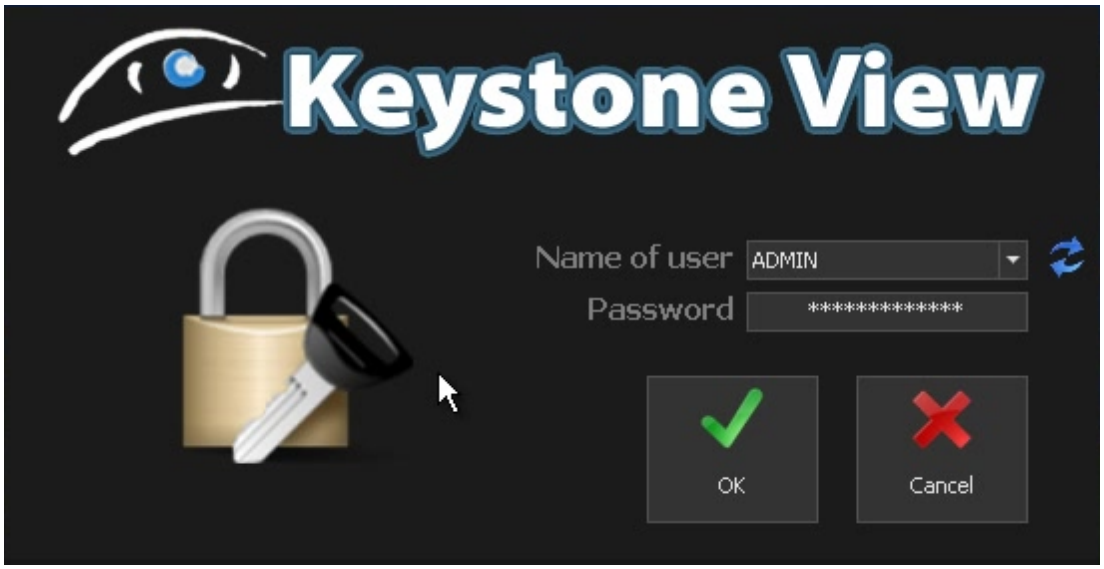
Log-in screen



In this screen, the necessary user data must be entered to access the system.

This screen includes:

Log-in section

- User-name: Shows a list of all available users and a refresh icon at the side ( ), it's function is to refresh all the the system users when the server connection changes or it is started in offline mode.

- Password: The system password must be typed after the user is selected.

- Buttons: 2 buttons are shown, for the access to the application or closing.

Lower section (Click Advanced options to show)

It has MySQL server connection and offline system start configurations (It is used in cases where is required for the system to work as client and server simultaneously).

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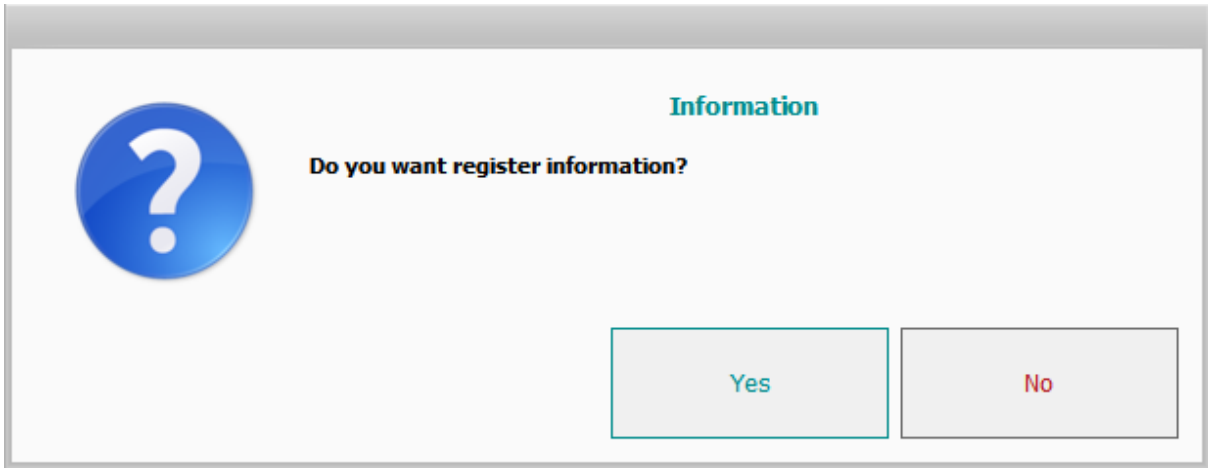
3.1.2 Messages

Messages

These are some of the message types found in the Keystone View Software, to make an easy comprehension and improve it's visualization a special screen was made. Also, the system has a settings option that allows the disabling all the messages, making conscious use of this setting, enabled messages is set by default, in other words the user will confirm all messages automatically, and hide the information only ones.

Note: The system will maintain active it's troubleshoot feature to be able to locate and update the system for the necessary changes on it.

Saved message



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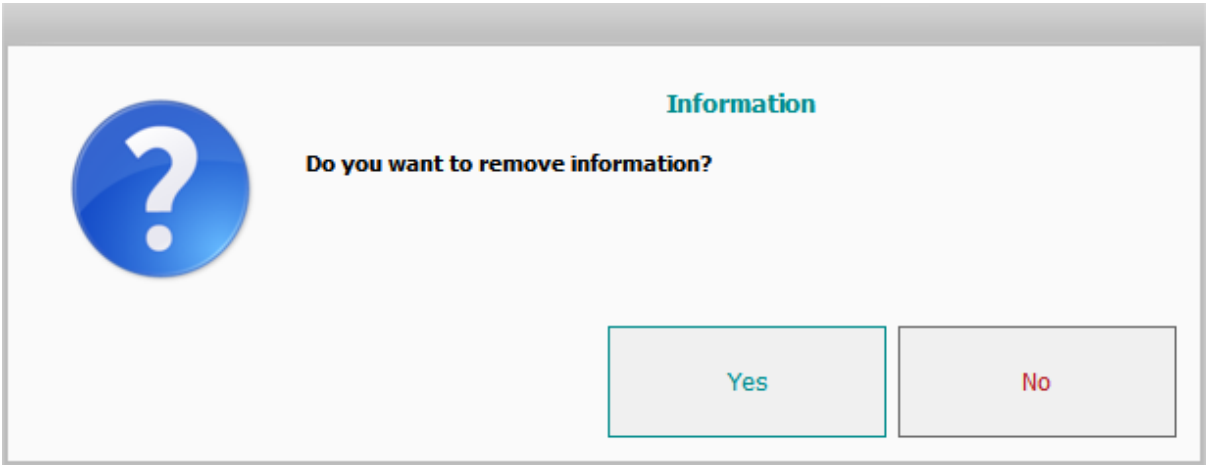
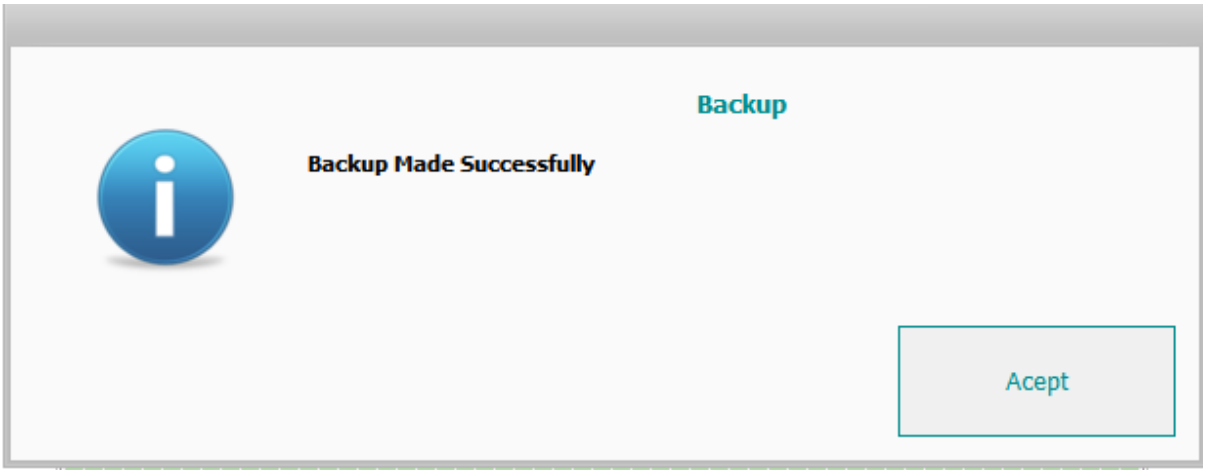
Deleting message



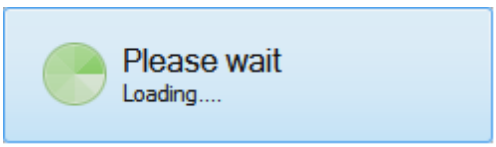
Information message



3.1.3 Preload

Loading screen

This screen is showed when actions that require system influencing process are executed, that is why their duration varies from one to other.



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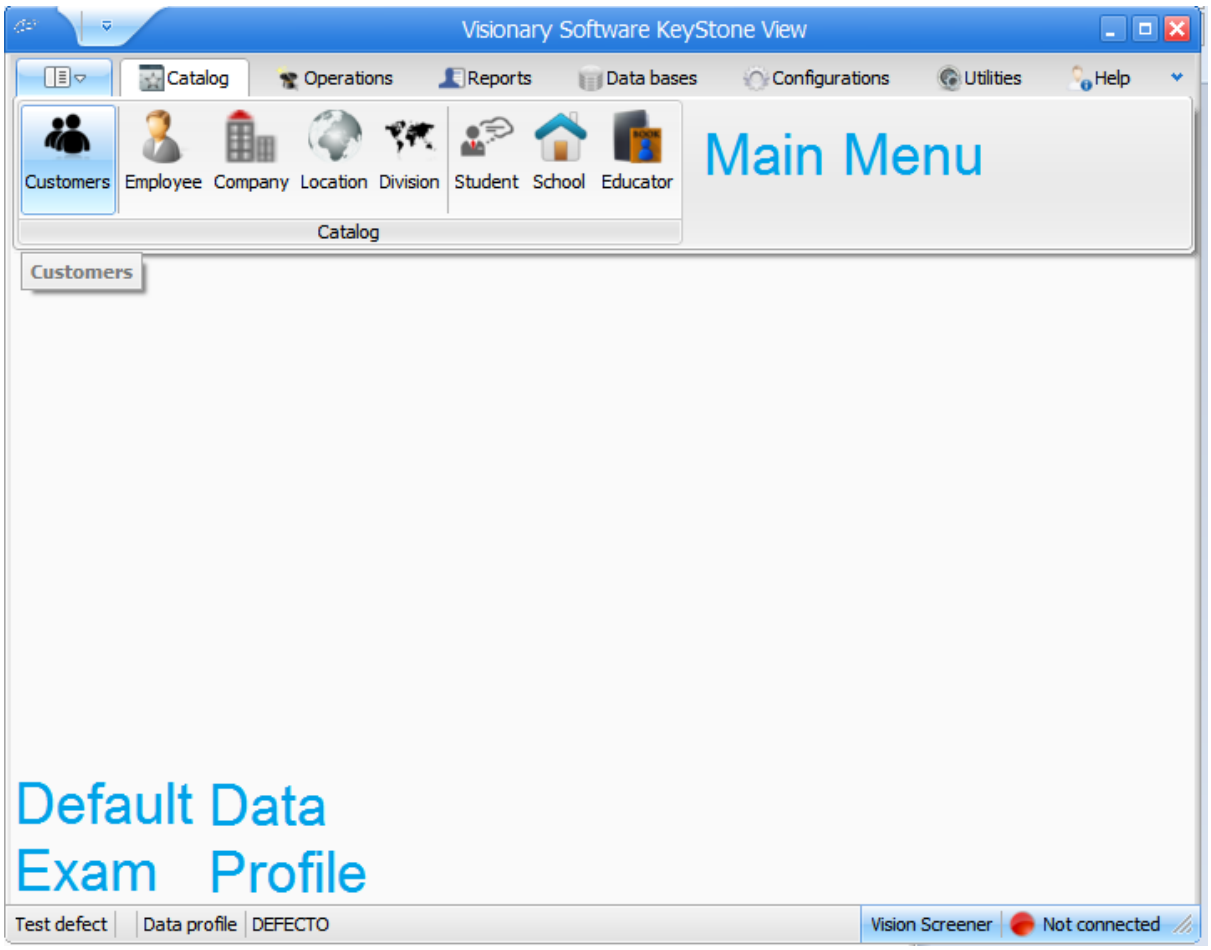
3.1.4 Home screen

Home screen

The home screen can be shown in 2 modes, these are configurable for any user without affecting the other users or skins either.

Ribbon tab form mode



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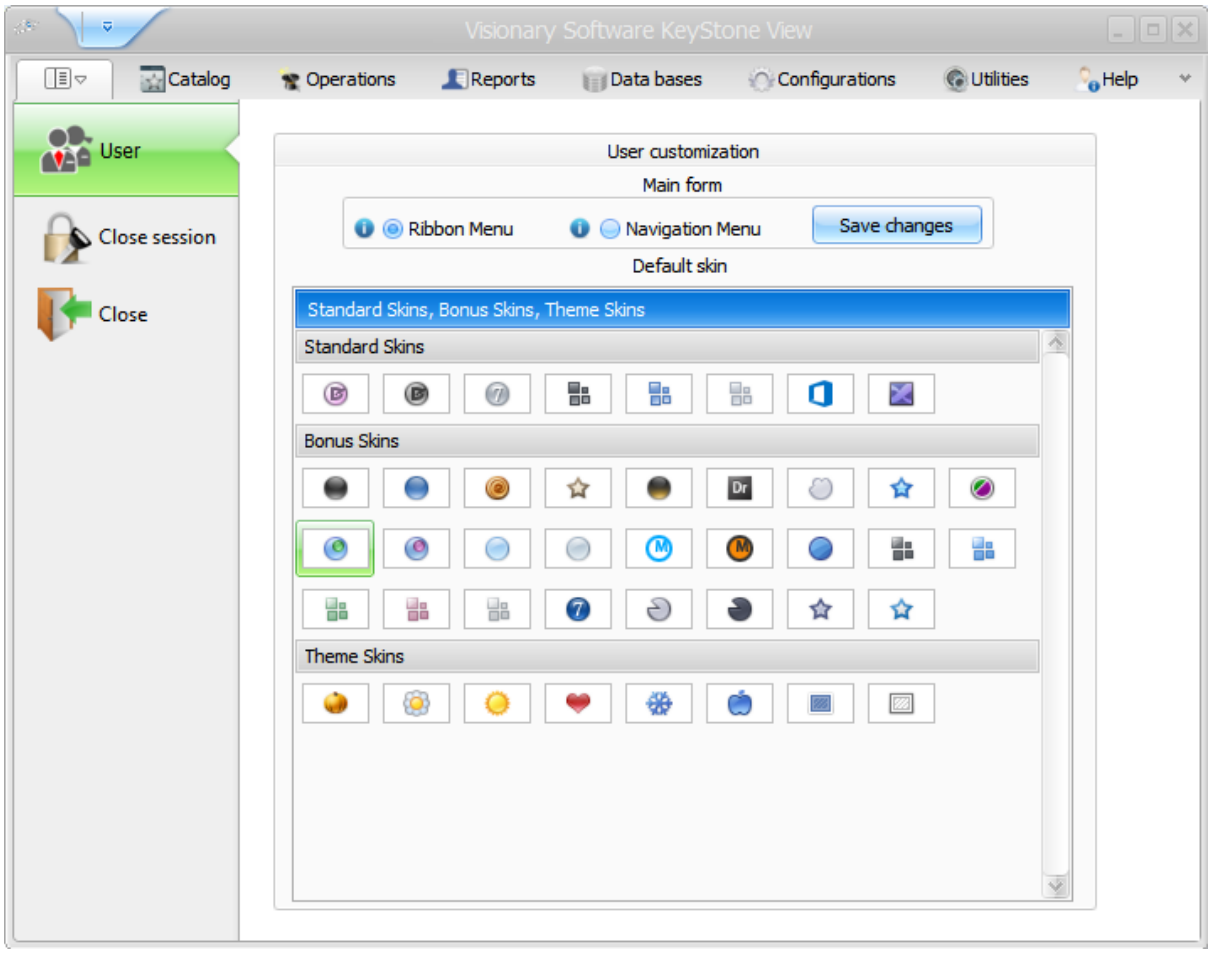
Skins

This screen shows the skins that change the visual appearance of the system, making a more comfortable experience.



Home screen sections:

- Main menu

Shows the shortcuts for the system screens, distributed i some categories by function, to the maximum benefit from the system capabilities, and make an easier navigation.

- Default examination

Shows the default selected examination according to the actual vision screener.

Note: In case of absence of a vision screener, the default exam for the standard vision screener is shown.

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- Data profile

Shows the allowed or obligatory data profile at the client information input moment in the system, they can vary or be defined.

- Vision screener

Shows the vision screener status, also type and model information.

- Offline database

Shows the database statusMuestra el estado de la base de datos, la cual indica fuera de línea (conectada localmente) ó en línea (conectada de forma remota a un servidor externo).

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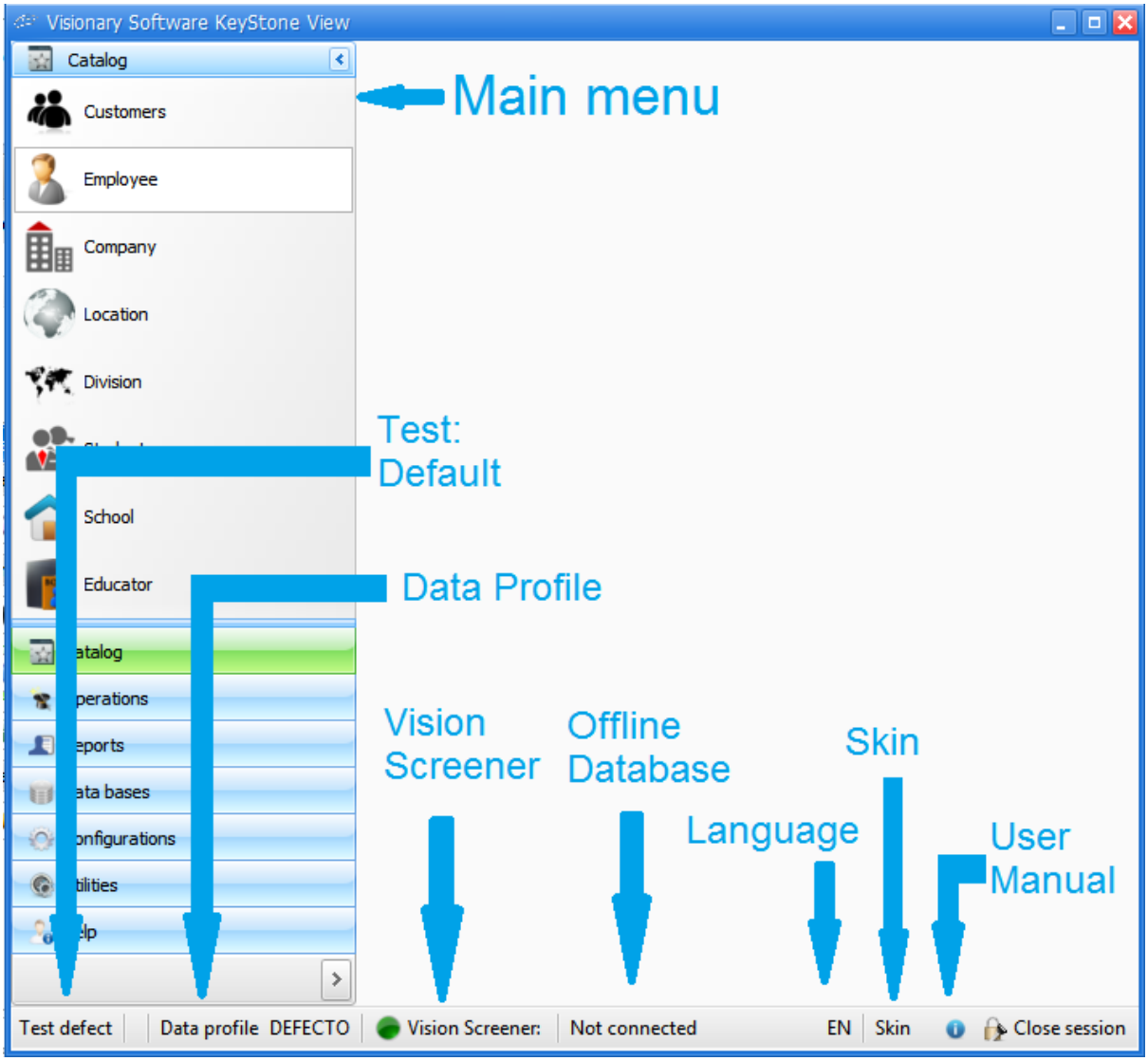
Navigation tab form mode



Home screen sections:

- Main menu

Shows the shortcuts for the system screens, distributed i some categories by function, to the maximum benefit from the system capabilities, and make an easier navigation.

- Default examination

Shows the default selected examination according to the actual vision screener.

Note: In case of absence of a vision screener, the default exam for the standard vision screener is shown.

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- Data profile

Shows the allowed or obligatory data profile at the client information input moment in the system, they can vary or be defined.

- Vision screener

Shows the vision screener status, also type and model information.

- Offline database

Shows the database statusMuestra el estado de la base de datos, la cual indica fuera de línea (conectada localmente) ó en línea (conectada de forma remota a un servidor externo).

- Skins

This screen shows the skins that change the visual appearance of the system, making a more comfortable experience.

- Languages

Shows the available system languages, they can be changed to understand in a your native language and easier.

- User manual

Shows a shortcut for the user manual, it can be requested at any moment that you have doubts about use and function of the Keystone View application.

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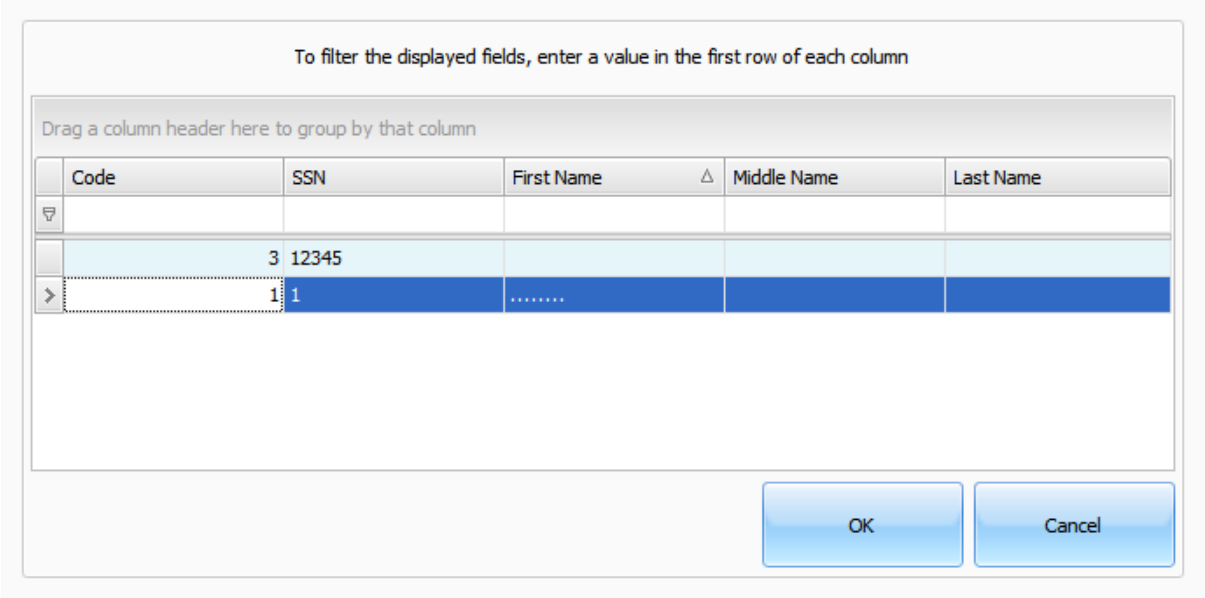
3.1.5 Search

Search screen

This screen shows an actual list of the system database, also they can be filtered by the needed characteristic.



Also this screen counts with a customization option where you can click in "Edit filter", a similar screen is shown.

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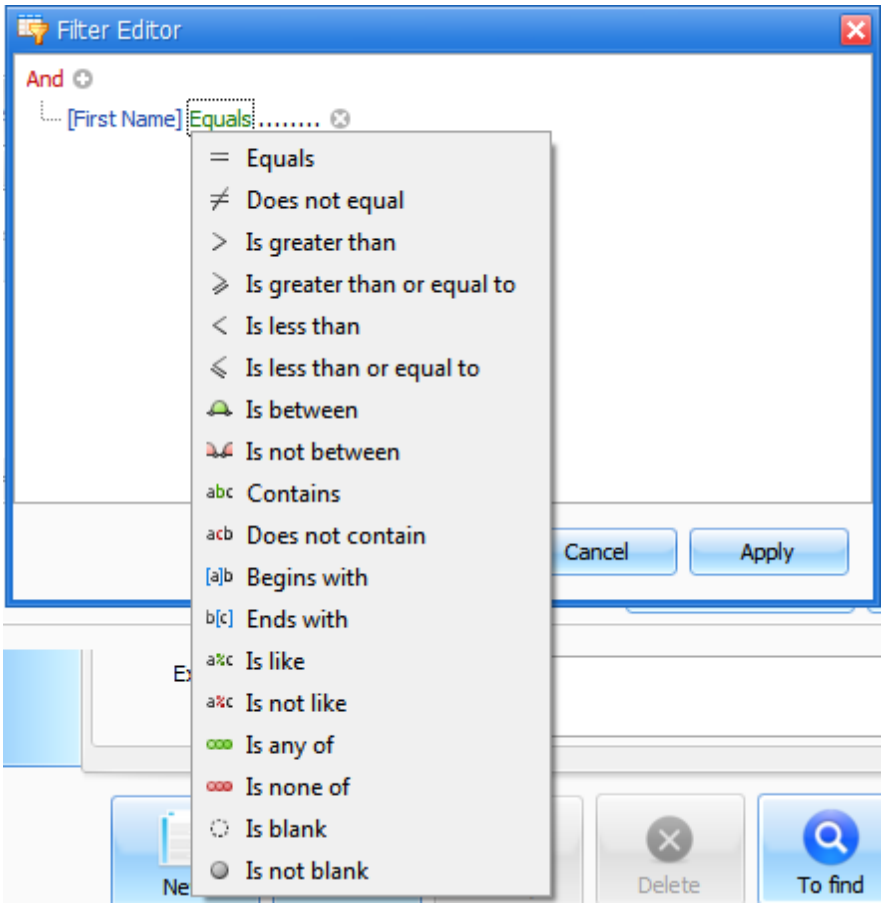

This is the list of the available filters that can make a more efficient search of the needed information.

3.1.6 Selectors

Selectors

Clicking this selector in the space next to the label shows the search filtering section, which is automatically made, it also shows a button in the inferior section that gives the possibility to create a new item at any moment.

Some selectors are:

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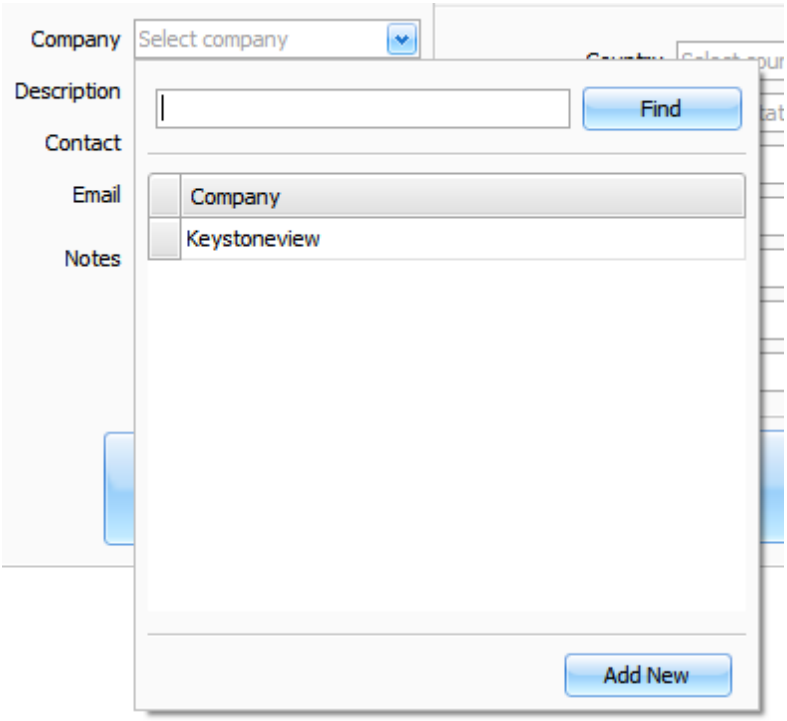
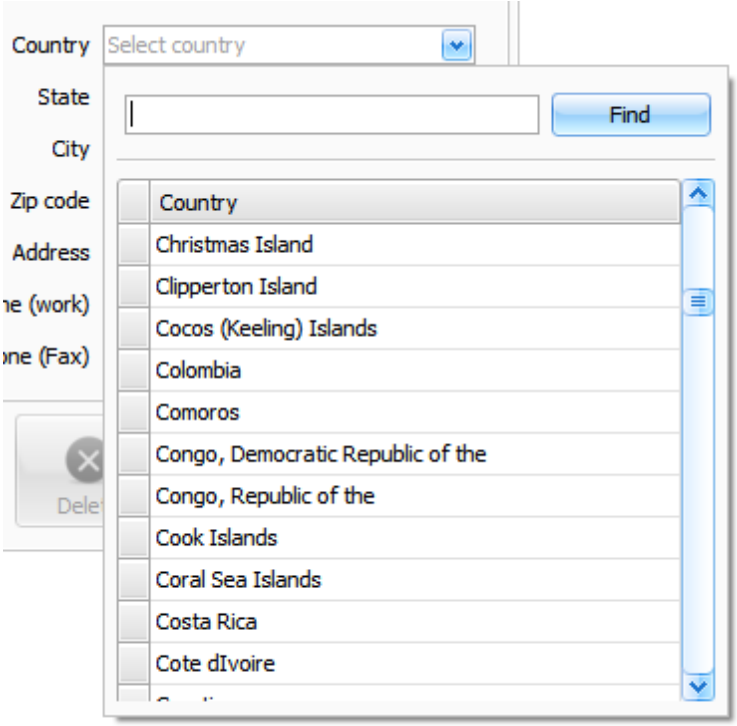
Company selector



Country selector



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In some cases the country button won't be shown because all items have been added or are limited by the system.

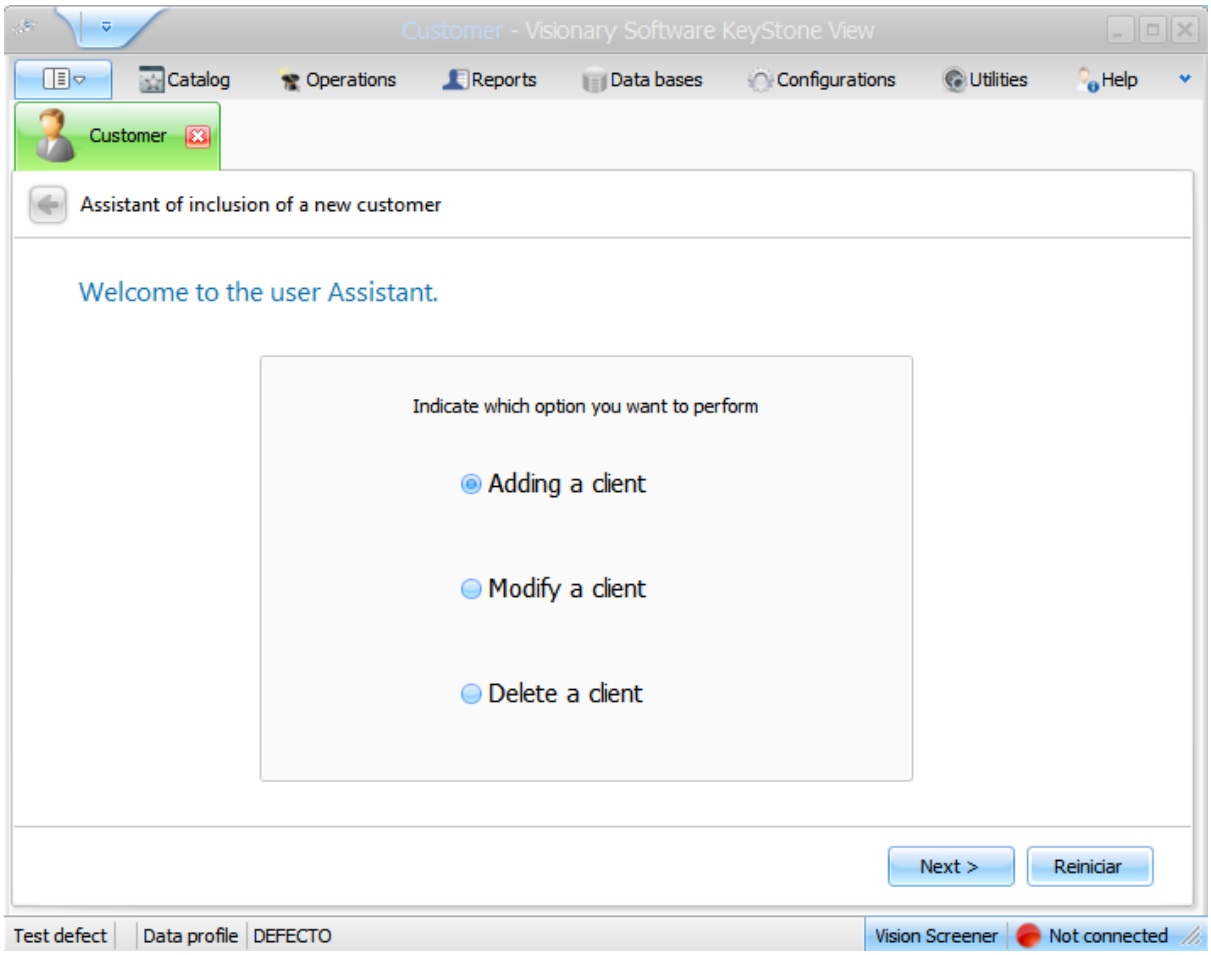
3.2 Catalog

3.2.1 Customer

Customer assistant

This screen is an assistant that integrates staff (company, location, division) as well as students (teacher, institution) as one, this makes the many data management easier without being greatly affected by the high amount of information that could be stored

Action management stage



This screen defines the wanted actions to make to the client, so it shows 3 options (add, modify, delete)

.

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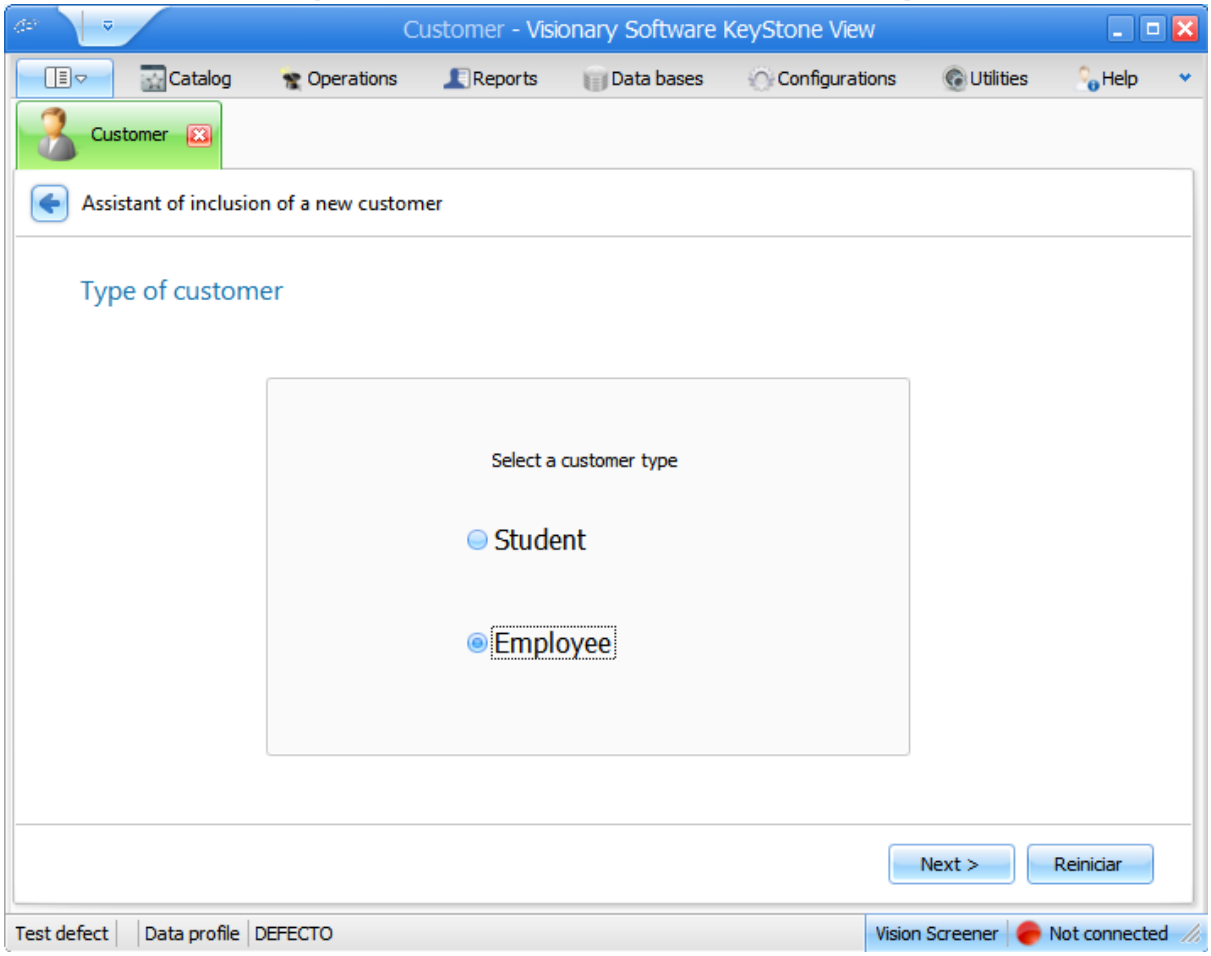
Customer type identification stage



In this stage the assistant shows the client type to modify with the previously selected action.

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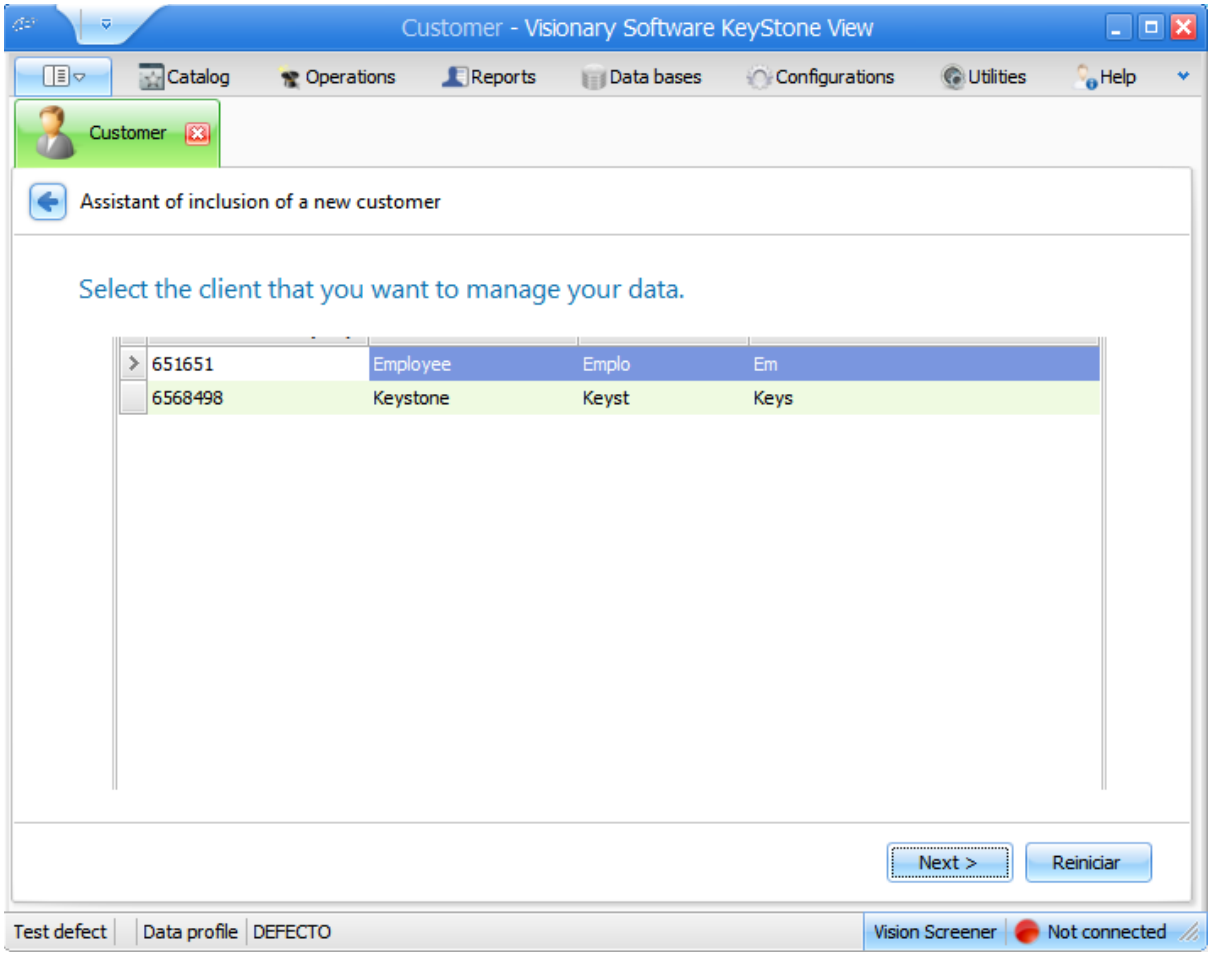
Search stage



This stage is only shown if the options modify or delete were selected, because it has a list with all the clients (employees or students) stored in the database, to be affected later.

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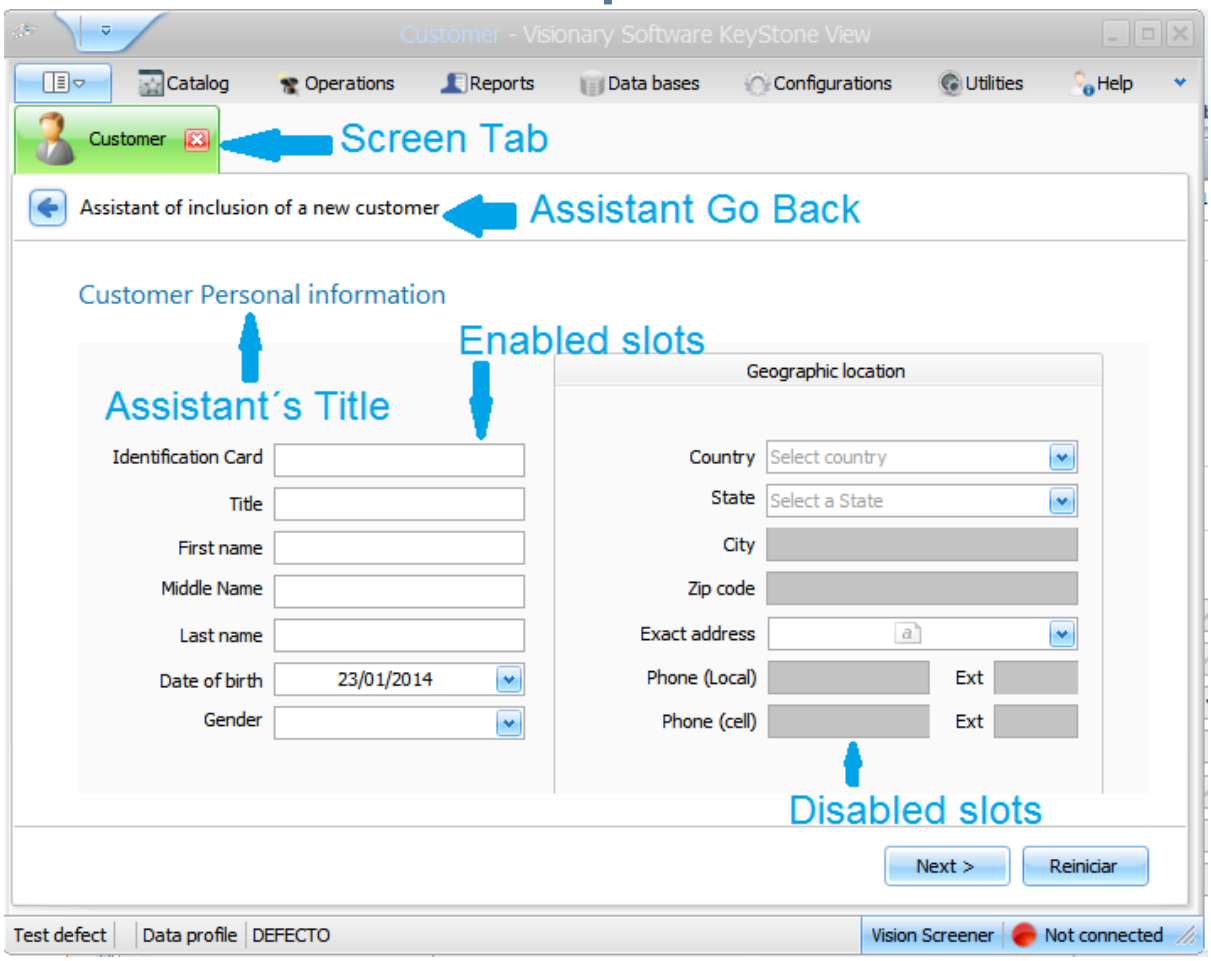
Personal Information phase



In this phase the assistant is for general information, so it is shown to employees and customers equally.

Also the assistant sections are explained:

Screen Tab

Indicates the screen name that is open, the icon to be identified easily and an "X" button that is only shown in the active screens to avoid errors at clicking, this button allows to close the screen at any moment in case it is no longer necessary.

Going back in the Assistant

The general assistant title according to the selected action,also shows an arrow button at the left which will allow to go backwards in the assistant to enter, check or update any information as desired.

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Assistant Title

Shows the title that identifies in which part of the assistant the user is at the moment, this changes in each phase of the assistant.

Enabled Slots

They are information slots that have been defined as required (obligatory) or optional in the selected data profile, where the customer information will be allowed to be entered, and the required will show a message that identifies them needing to be completed before entering the database.

Disabled Slots

They are information slots which functions are disabled by the administrator via active data profile, their importance varies depending on the system administrator configuration.

Go Forward or restart assistant buttons

When the assistant phase is completed, the user can continue to the next phase or reboot completely in case it was being wrong many times in previous phases or simply changed its opinion in the selected action.

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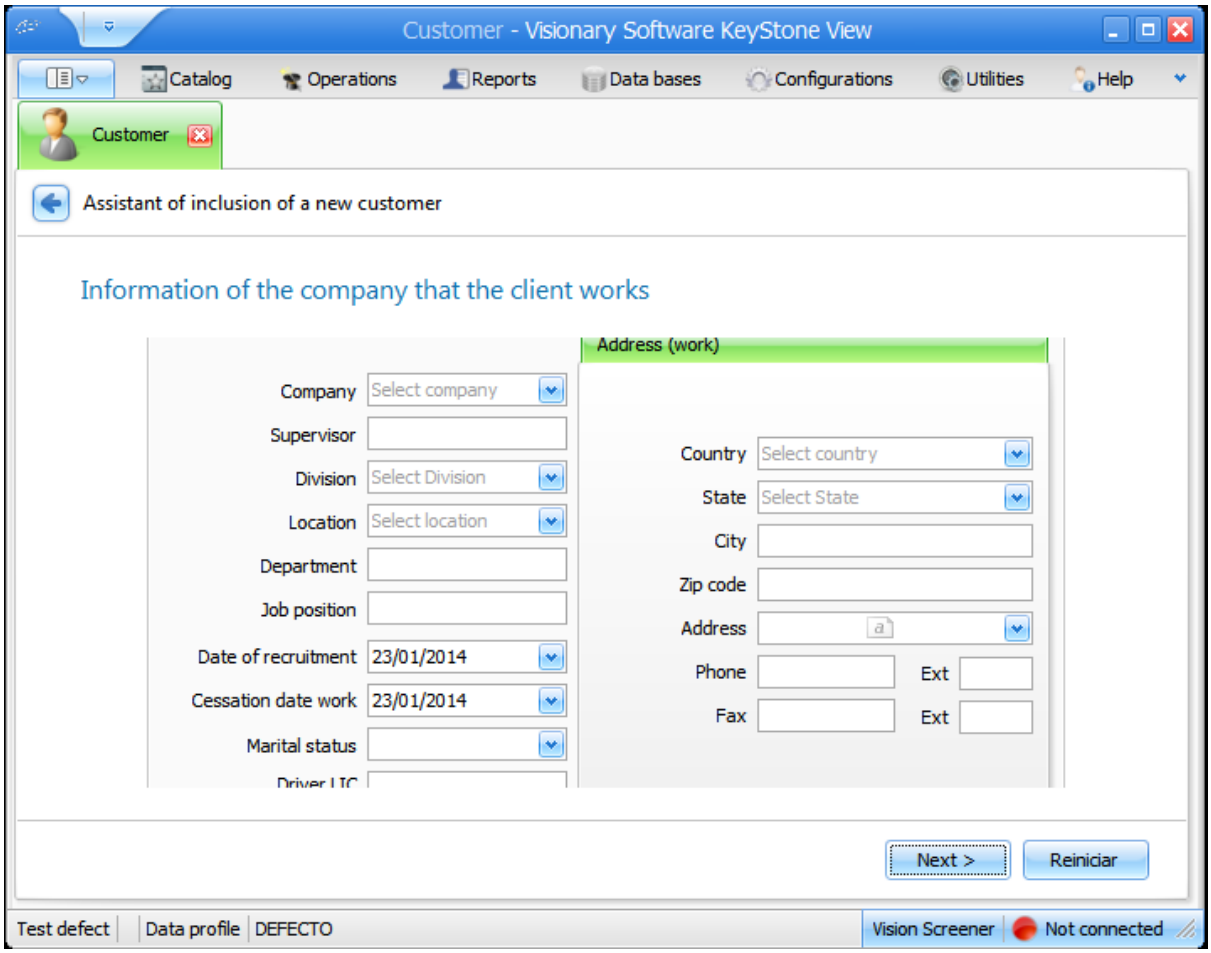
Company phase



In this assistant phase according to the data profile, all the slots are disabled, also the requested data are "Company" type, so they are only shown when an employee is selected as customer.

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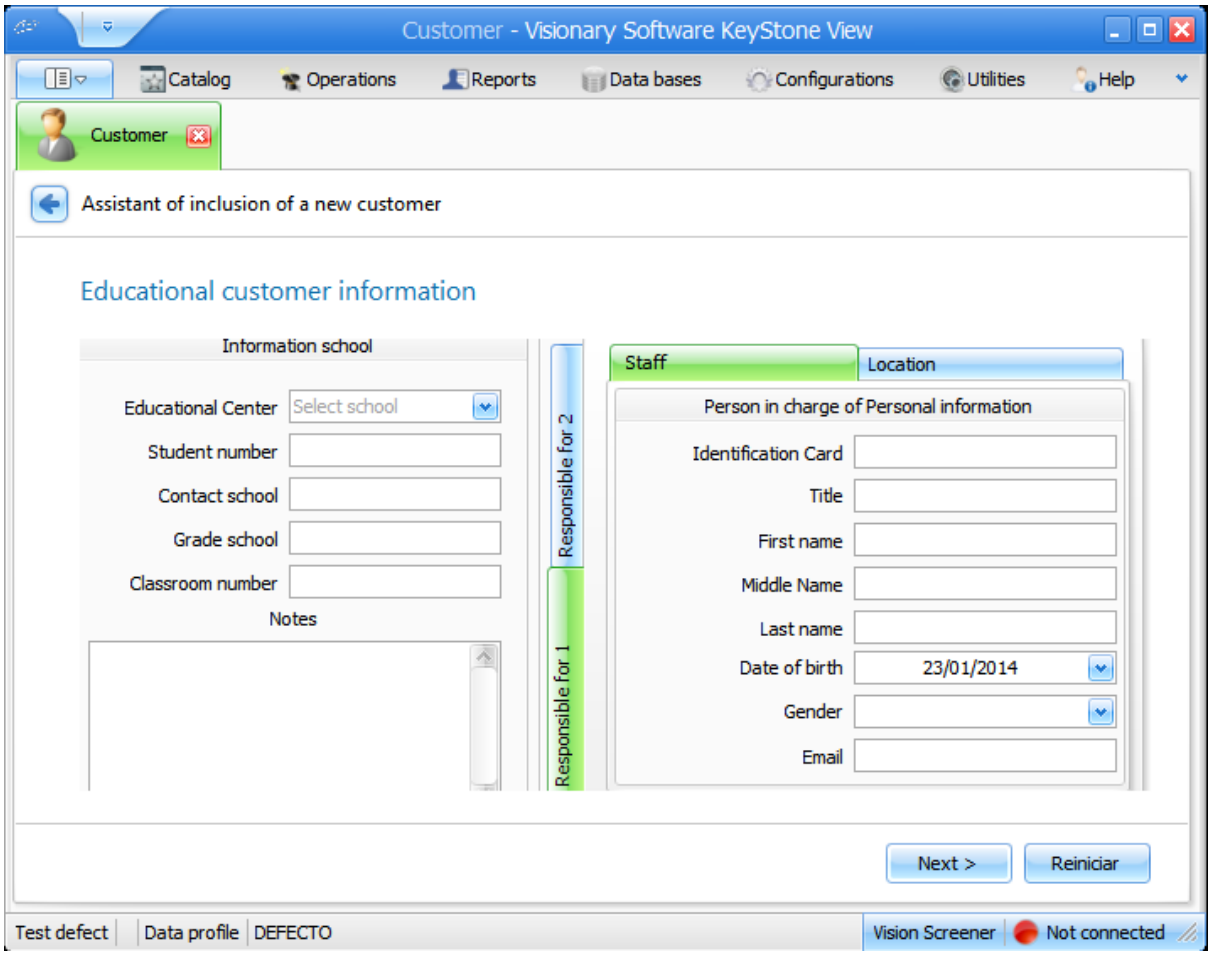
Educational center phase



In this phase is managed managed information referred to the educational center, it will only be shown the moment when "Student" is selected as customer.

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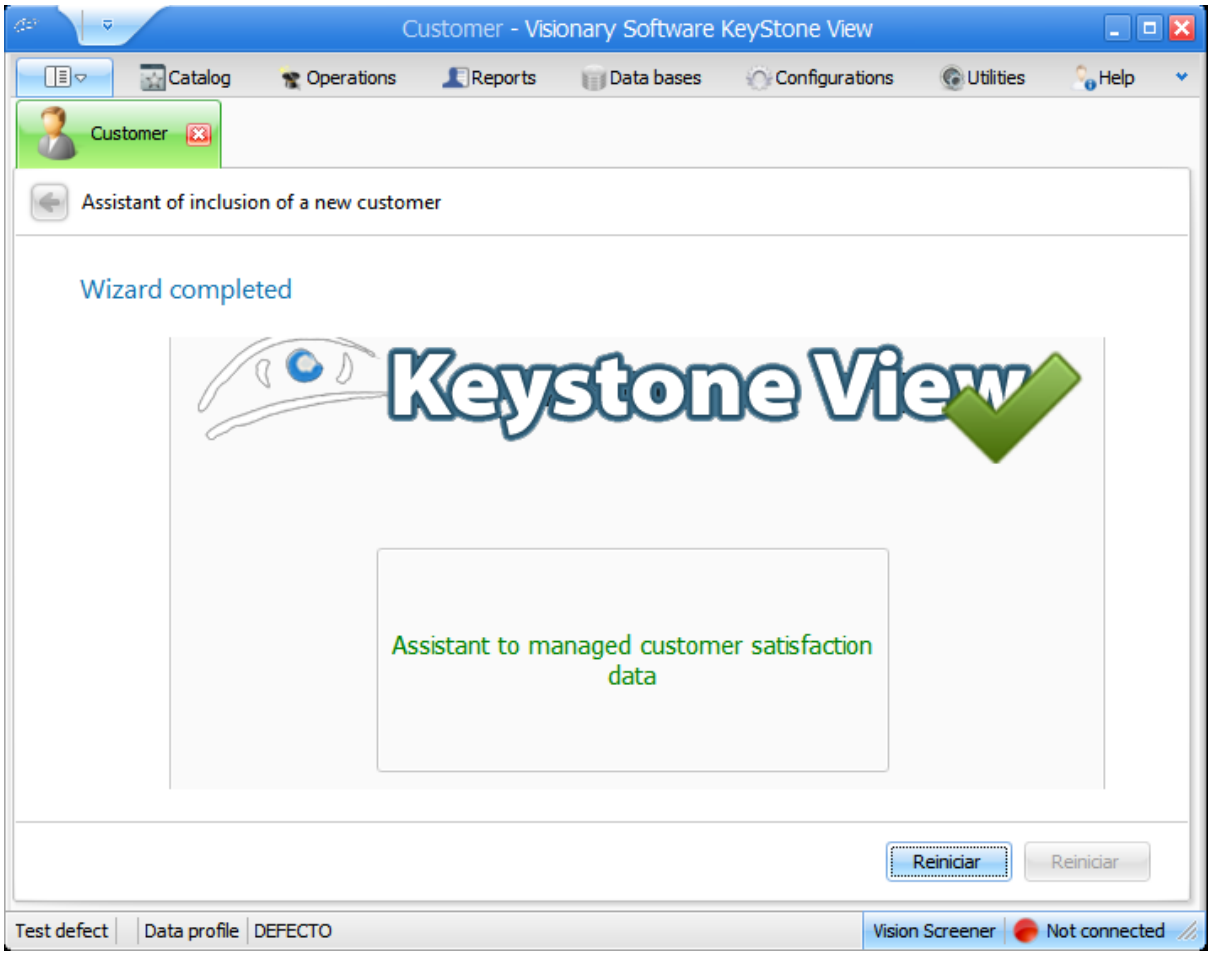
Conclusion phase



In this phase the assistant has concluded and executed the selected action in the previous phases, so this is this moment it can be closed in case it is no longer necessary or restart to do another action.

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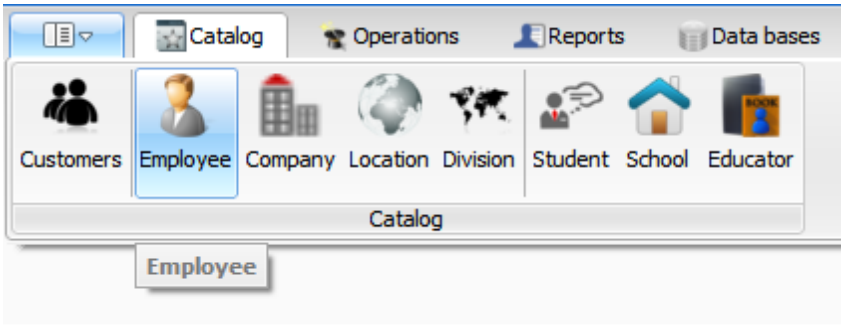
3.2.2 Staff

3.2.2.1 Employee

Employee

In this section the system work with the purpose of storing specifically the clients that are employees at same time, generally this function is used when the eye exams are destined to one or many companies or organizations.



To be able to use this option it is located in the catalog category, next to clients; click it and a screen similar to the next is shown, which has the same characteristics of the assistant of clients but unified.

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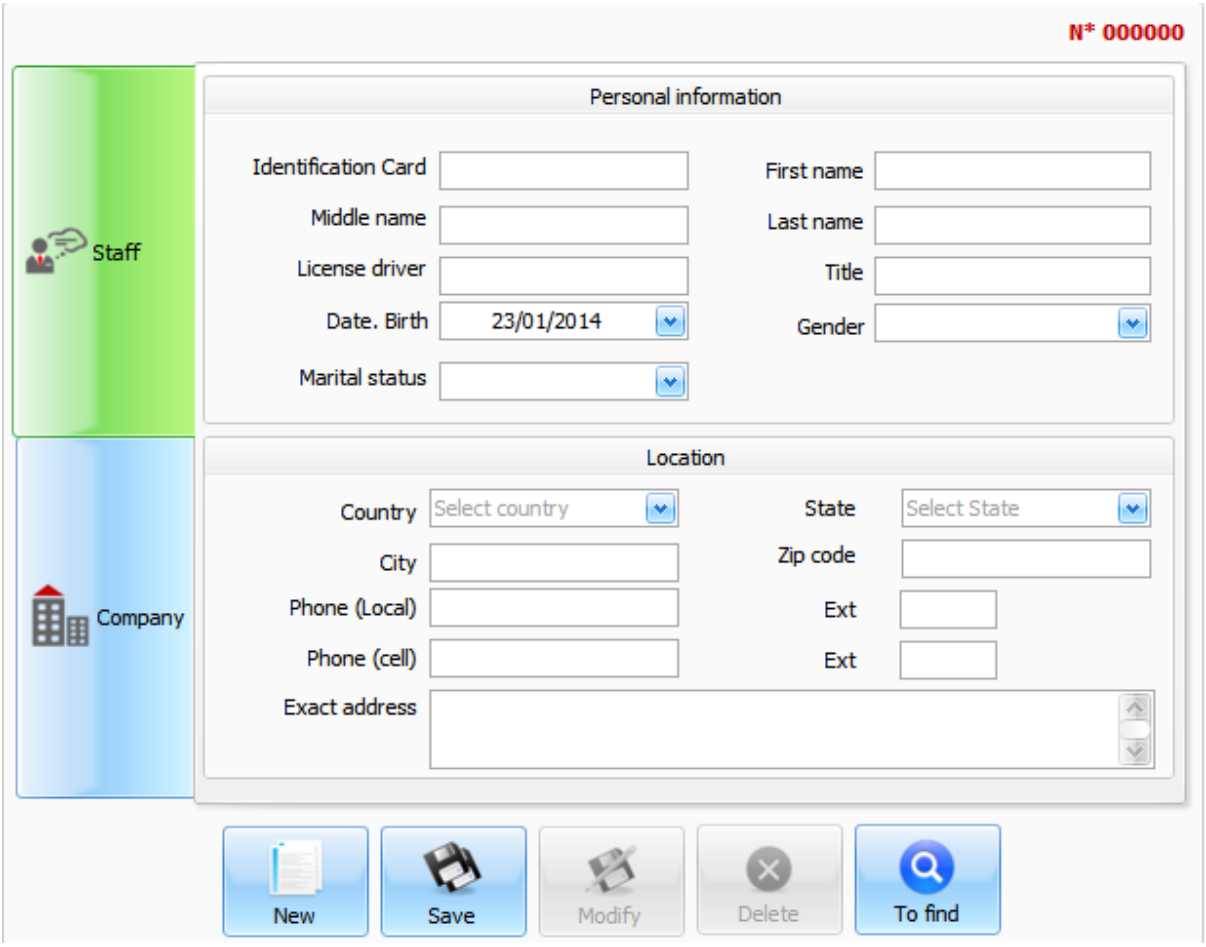
Staff section



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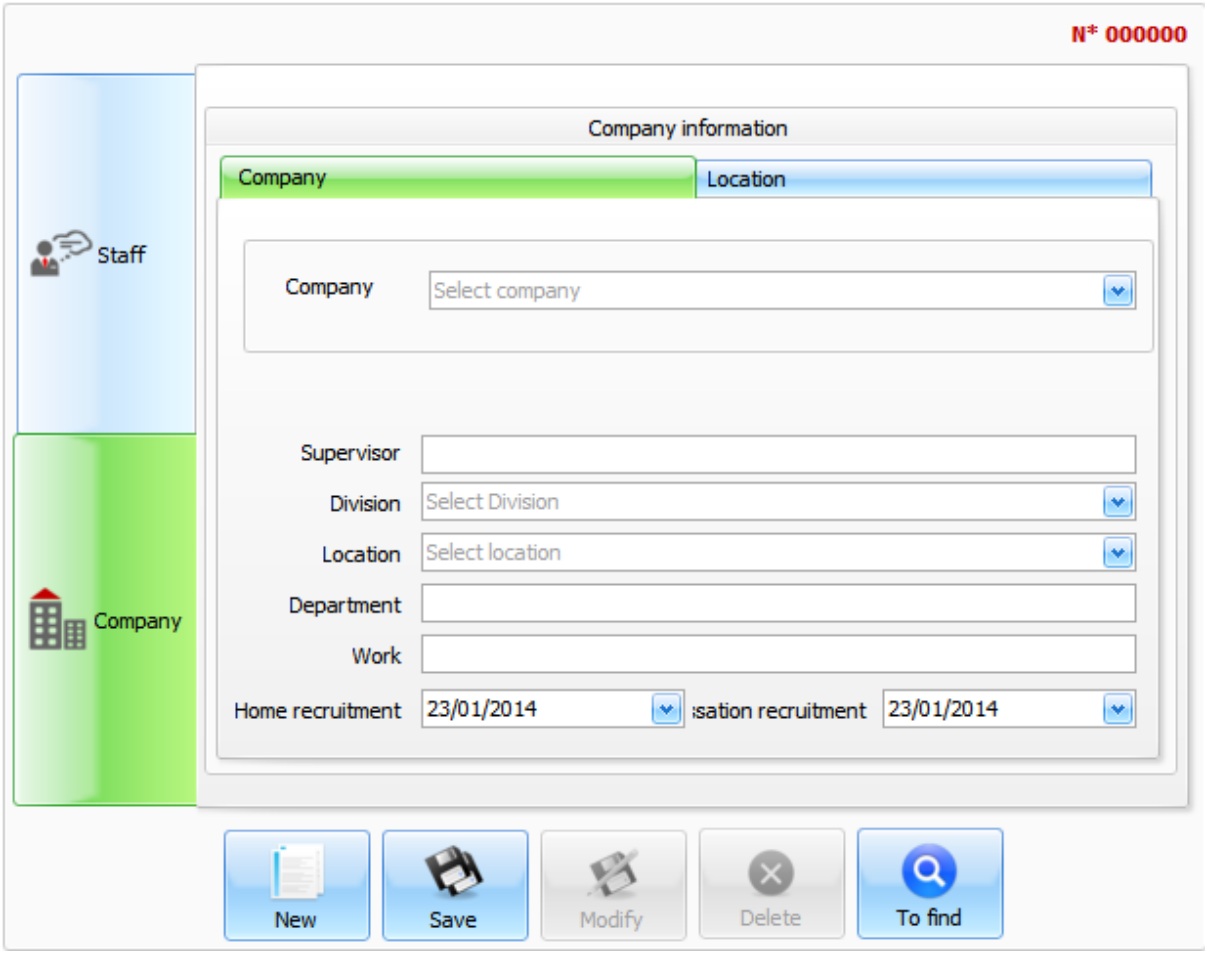
Company section



3.2.2.2 Company

Company

In this section the system work with the purpose of storing specifically the clients that are employees at same time wich have or are related to a company,generally this function is used when the eye exams are destined to one or many companies or organizations.

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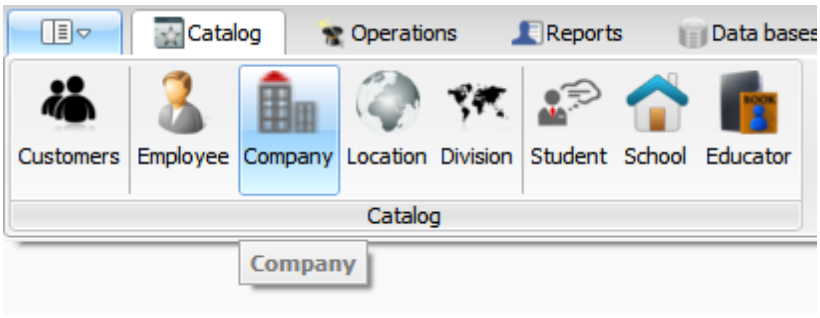
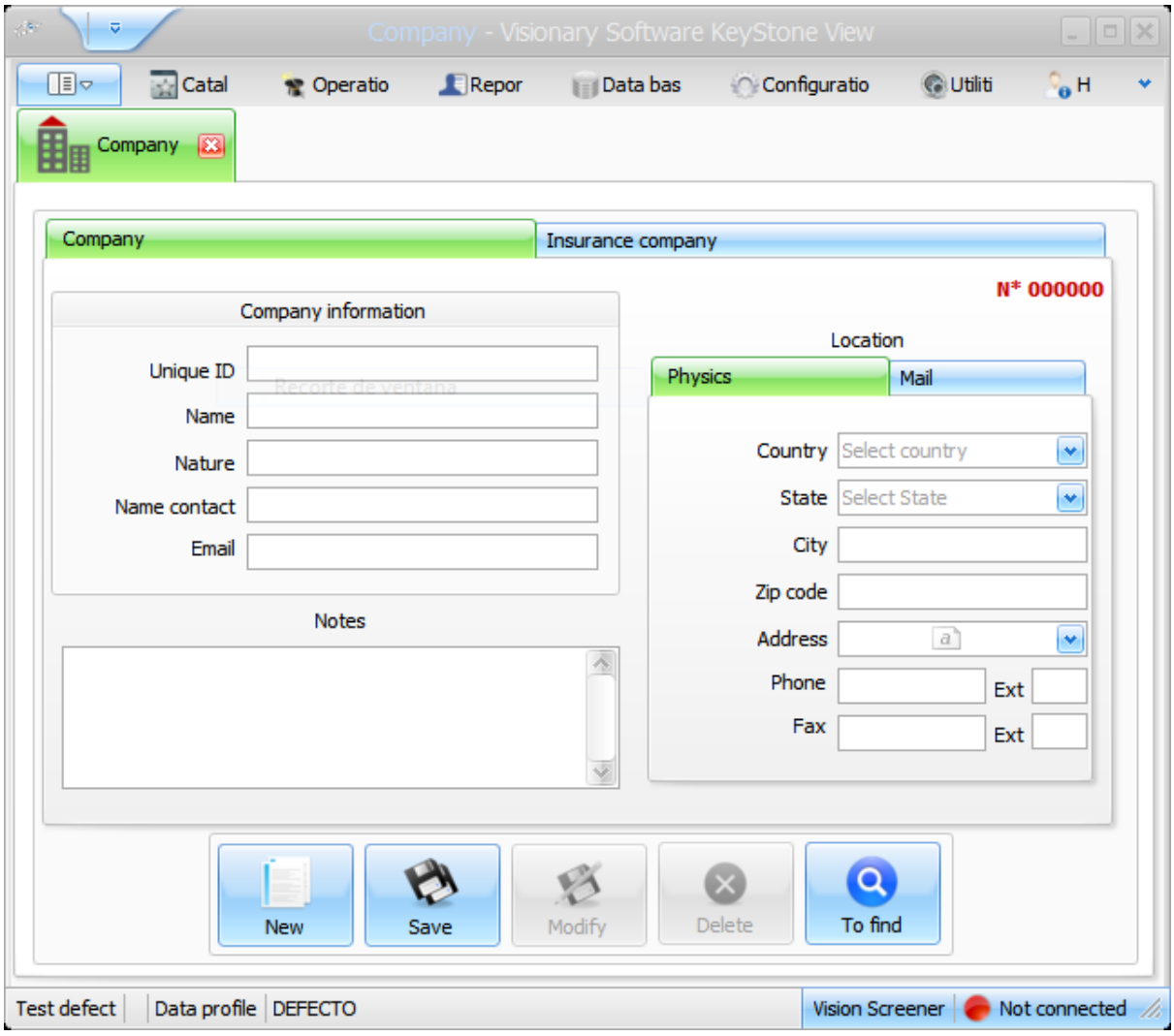


To be able to use this option it is located in the catalog category, next to employee; click it and a screen similar to the next is shown, which has the same characteristics of the assistant of clients but unified.

Company section



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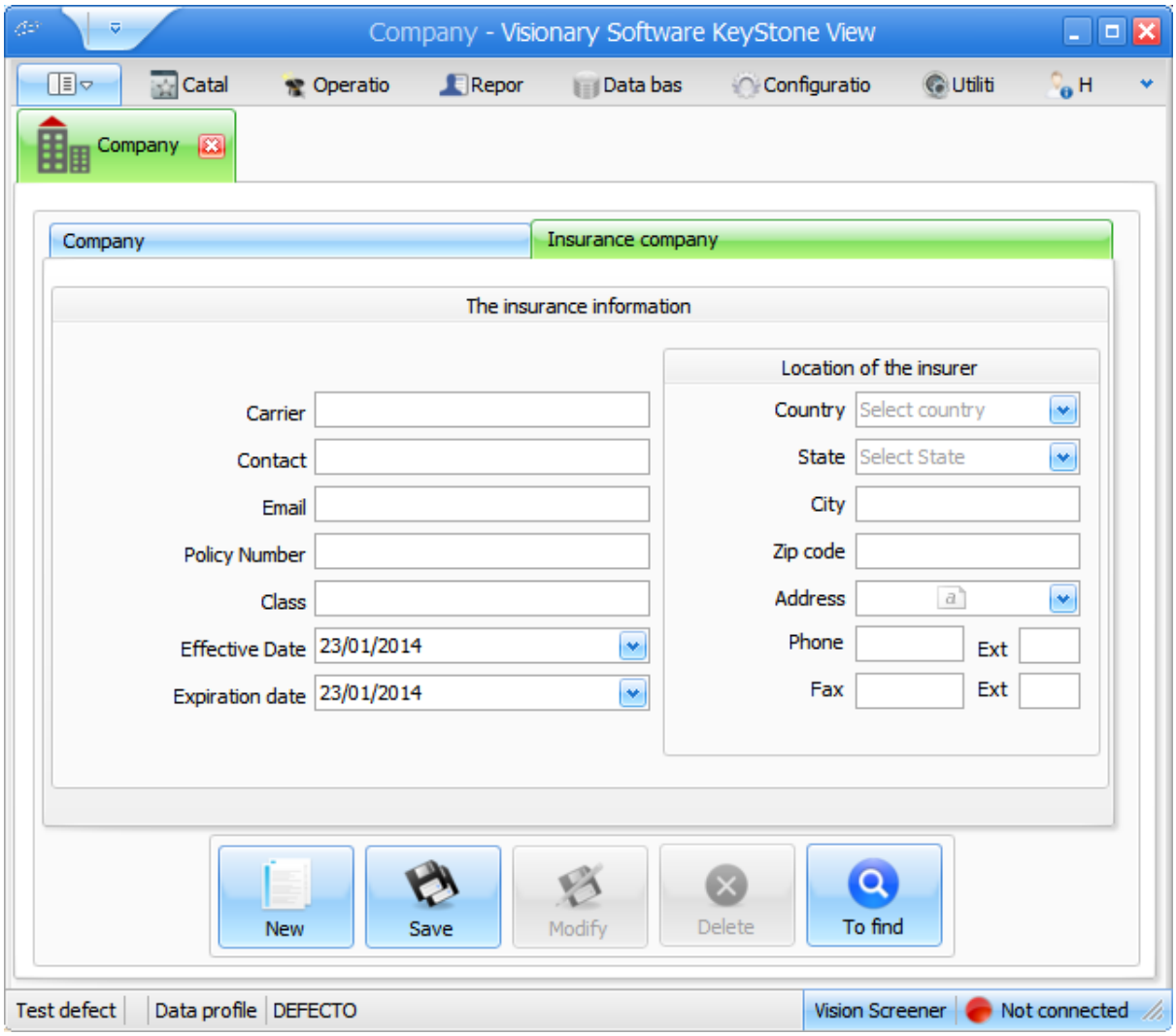
Company insurance section



3.2.2.3 Location

Location

In this section the system work with the purpose of storing specifically the clients that are employees at same time, generally this function is used when the eye exams are destined to one or many companies or organizations.

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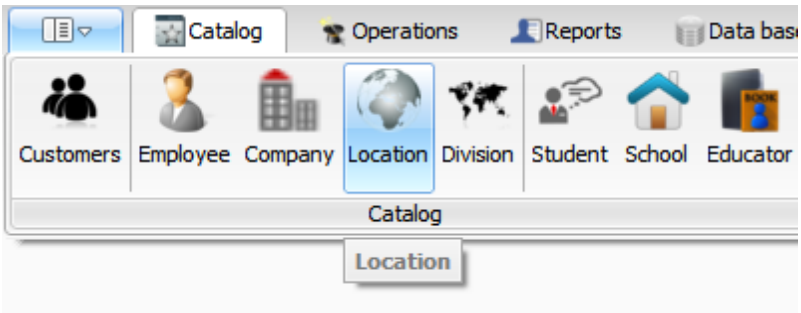
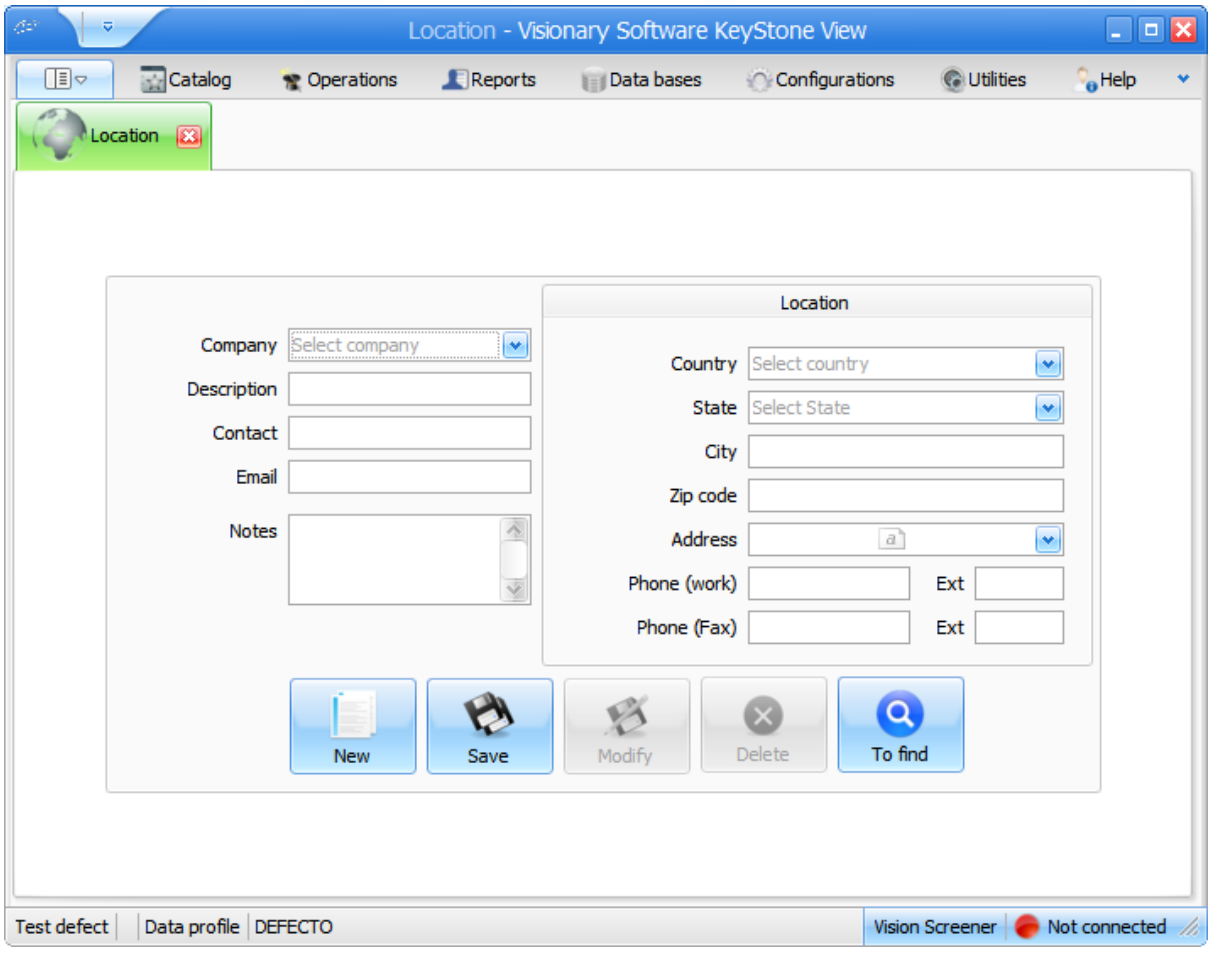


To be able to use this option it is located in the catalog category, next to company.

Main section



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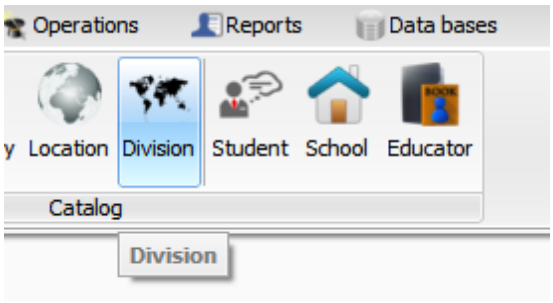
3.2.2.4 Division

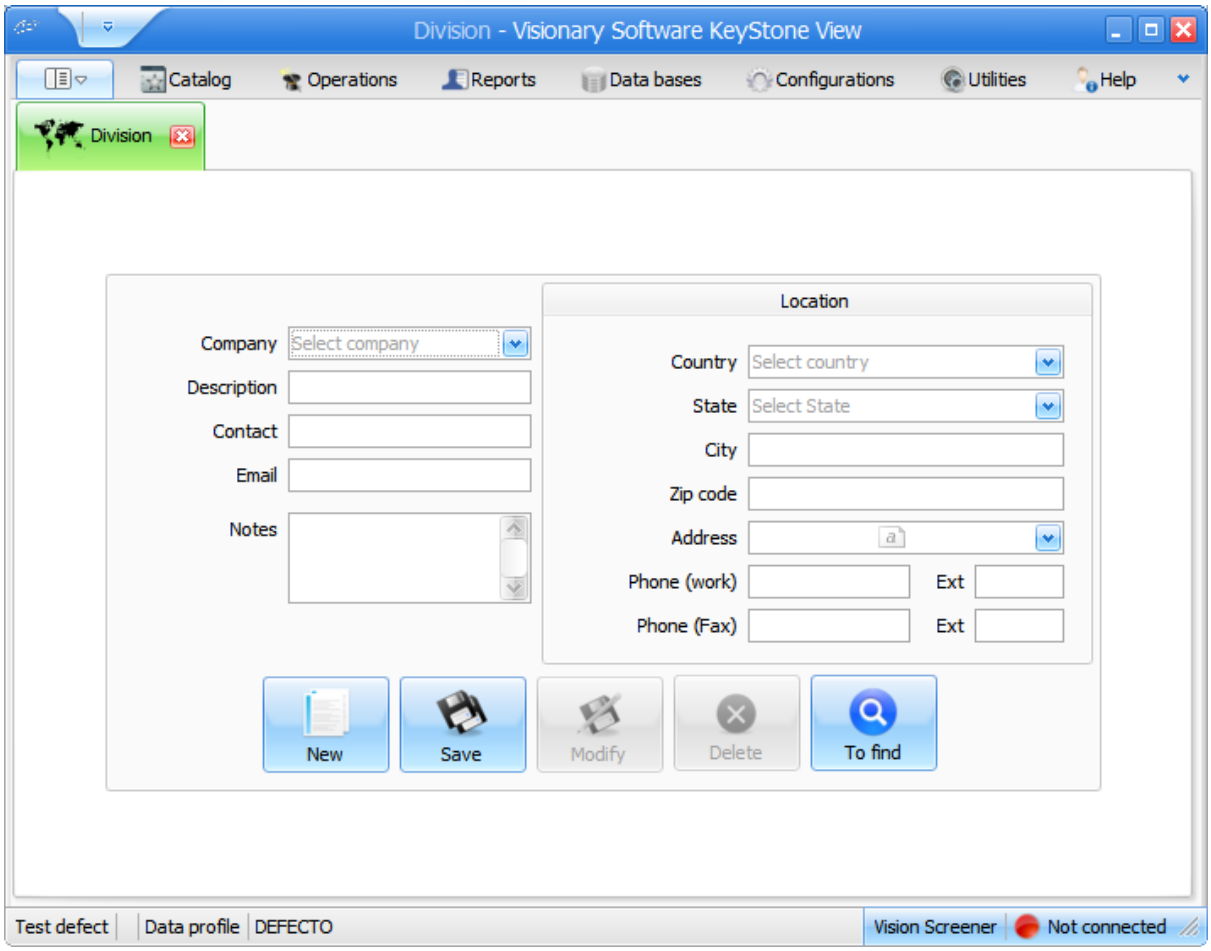
Division

In this section the system work with the purpose of storing specifically the clients that are employees at same time, generally this function is used when the eye exams are destined to one or many companies or organizations.



To be able to use this option it is located in the catalog category, next to location.

Main section



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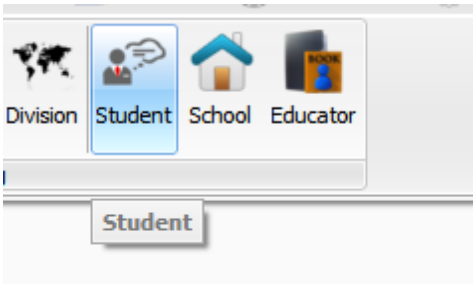
3.2.3 Students

3.2.3.1 Student

Student

In this section the system works to store specifically the customers that are students at the same time, generally this function is used when the eye exams are destined to one or many schools, institutions or colleges.



To be able to use this option it is located in the catalog category next to division; click it and a screen similar to the next one will appear, it has the same characteristics as the client assistant but specific for student clients.

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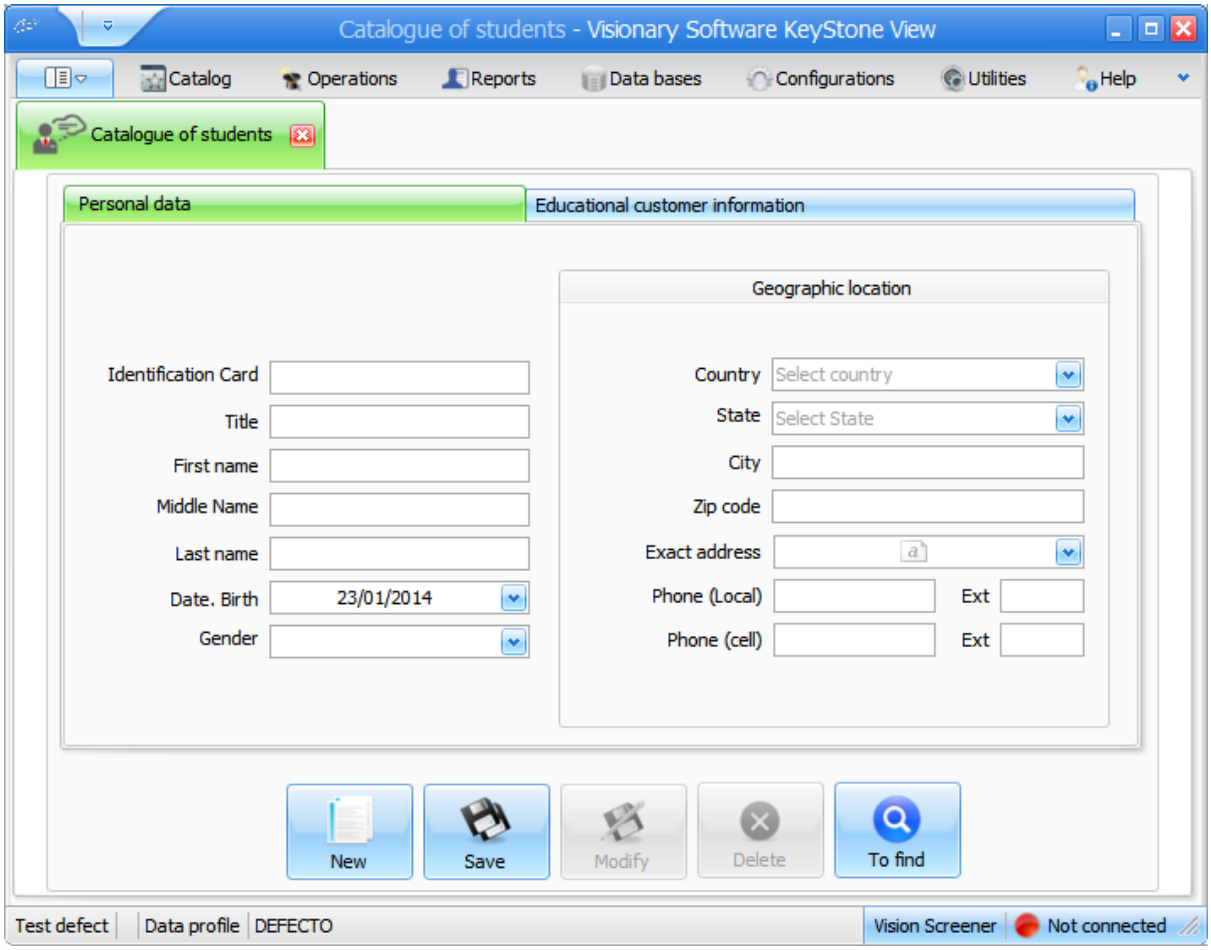
Main section



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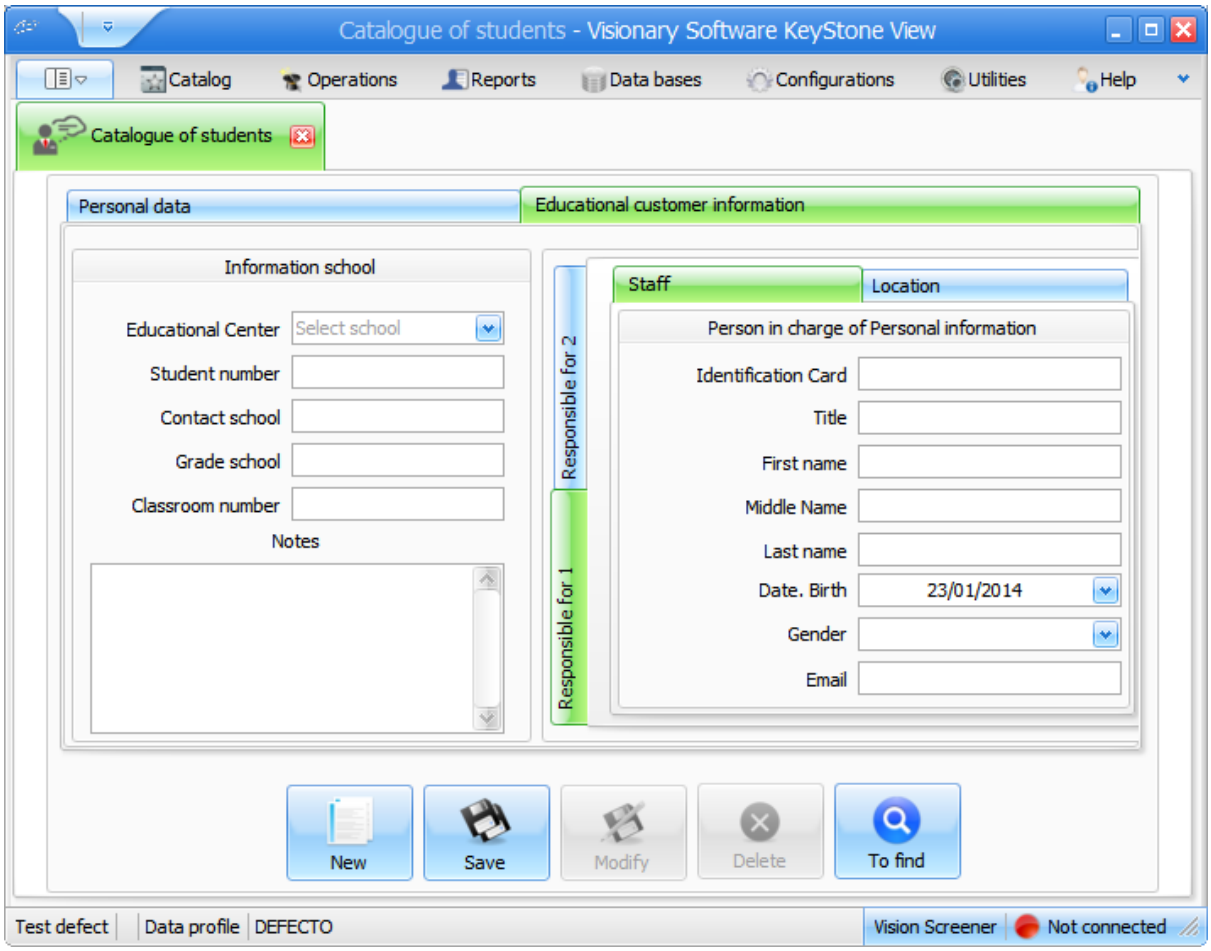
Educative section



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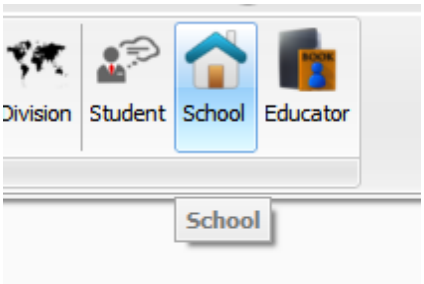
3.2.3.2 School

School

In this section the system works to store specifically the customers that are students at the same time, generally this function is used when the eye exams are destined to one or many schools, institutions or colleges.



To be able to use this option it is located in the catalog category next to student; click it and a screen similar to the next one will appear, it has the same characteristics as the client assistant but specific for student clients.

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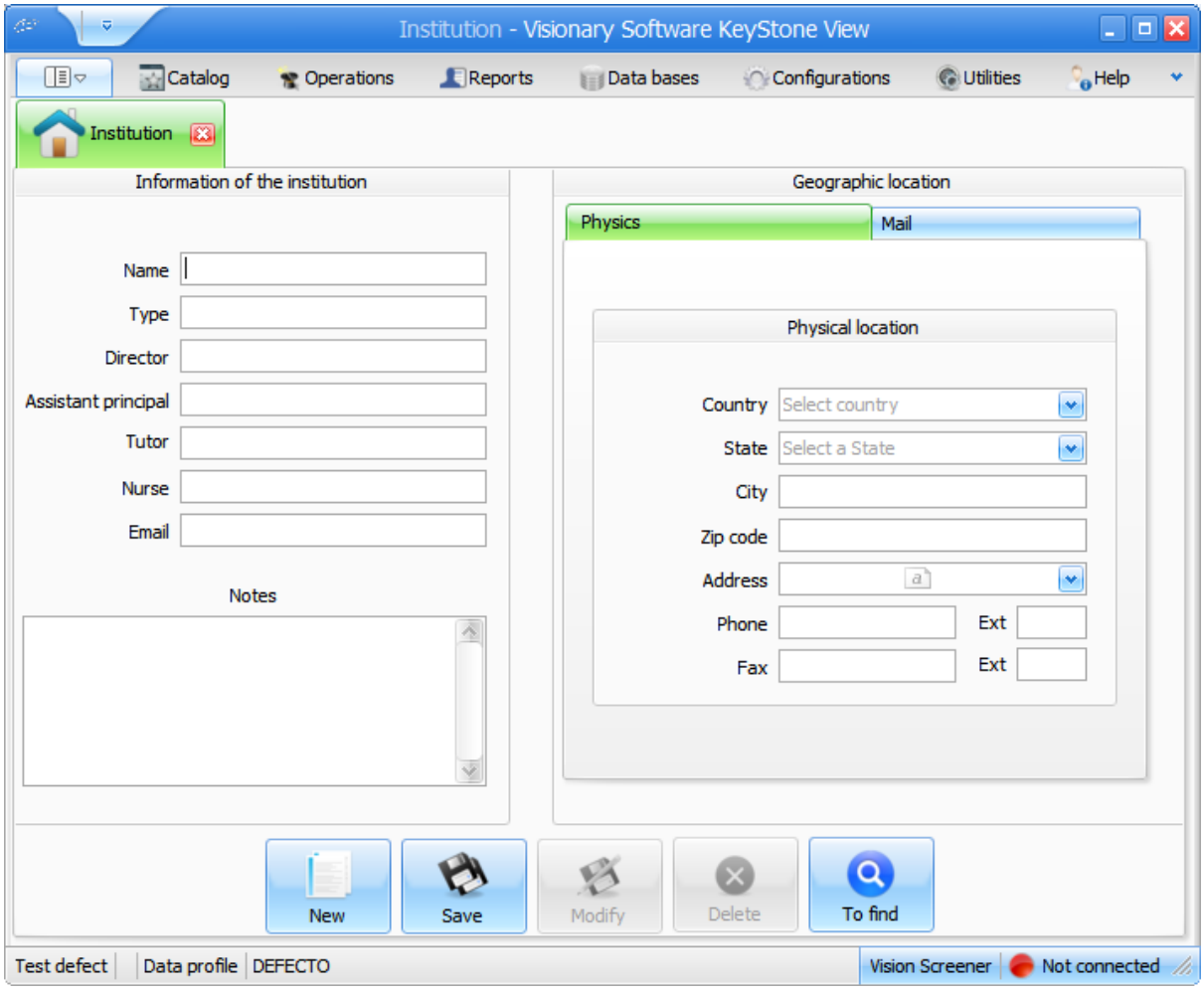
Main section



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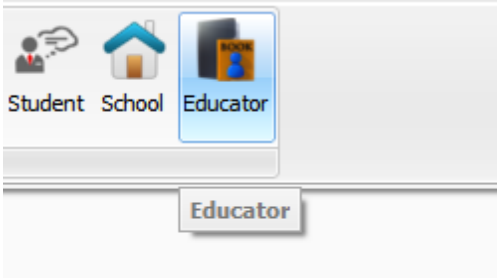
3.2.3.3 Educator

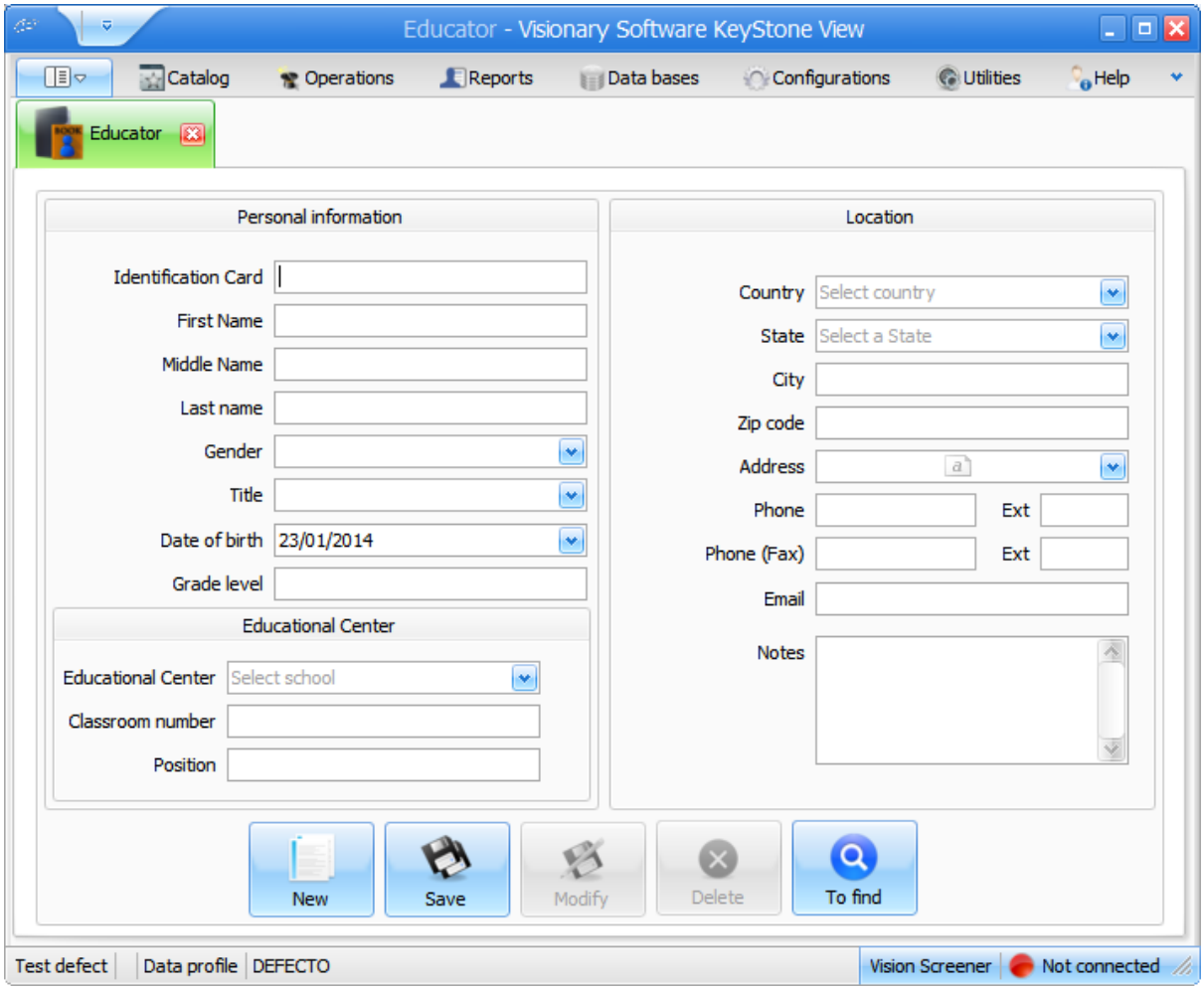
Educator

In this section the system works to store specifically the customers that are educators at the same time, generally this function is used when the eye exams are destined to one or many schools, institutions or colleges.



To be able to use this option it is located in the catalog category next to Institution; click it and a screen similar to the next one will appear, it has the same characteristics as the client assistant but specific for student clients.

Main section



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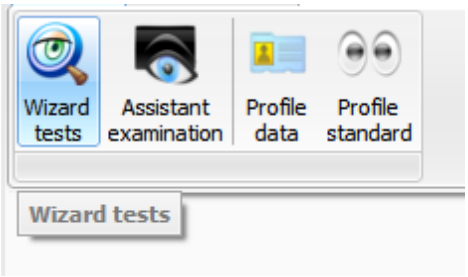
3.3 Operations

3.3.1 Tests

3.3.1.1 General

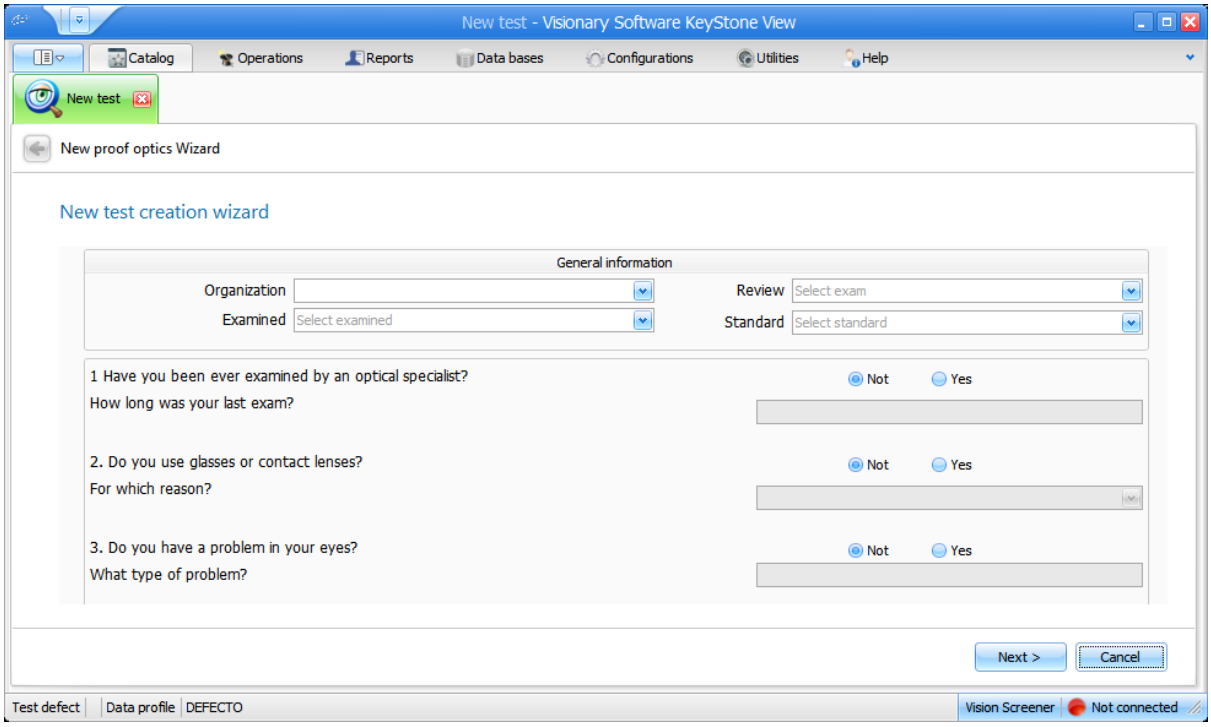
Test Assistant

In this section the Keystone View application will allow the user make the eye tests corresponding to the clients.



To be able to use this option, it is located y the operations category, next to exam assistant.

Test start section



This section is fundamental for the access to the different tests allowed by the system, because in it will

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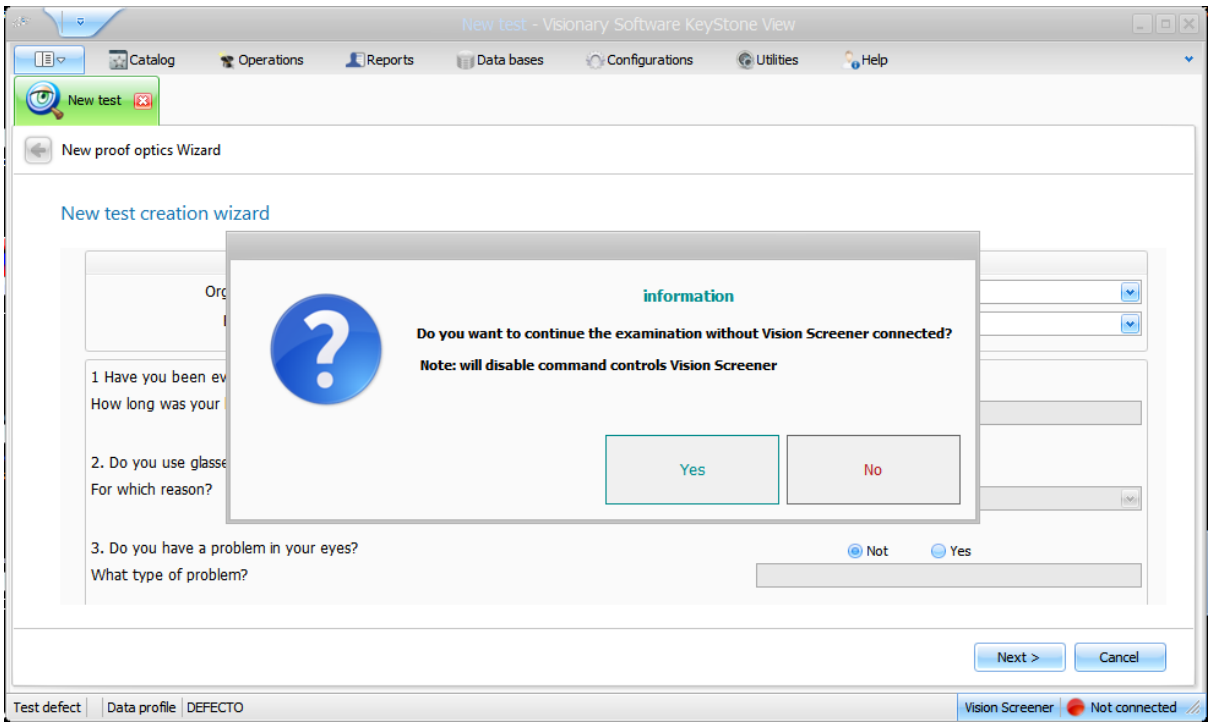
be indicated which tests will be made and how to evaluate them, also the information for the client history registry.

Tests section



This screen will be shown when the vision screener is not connected to the computer.

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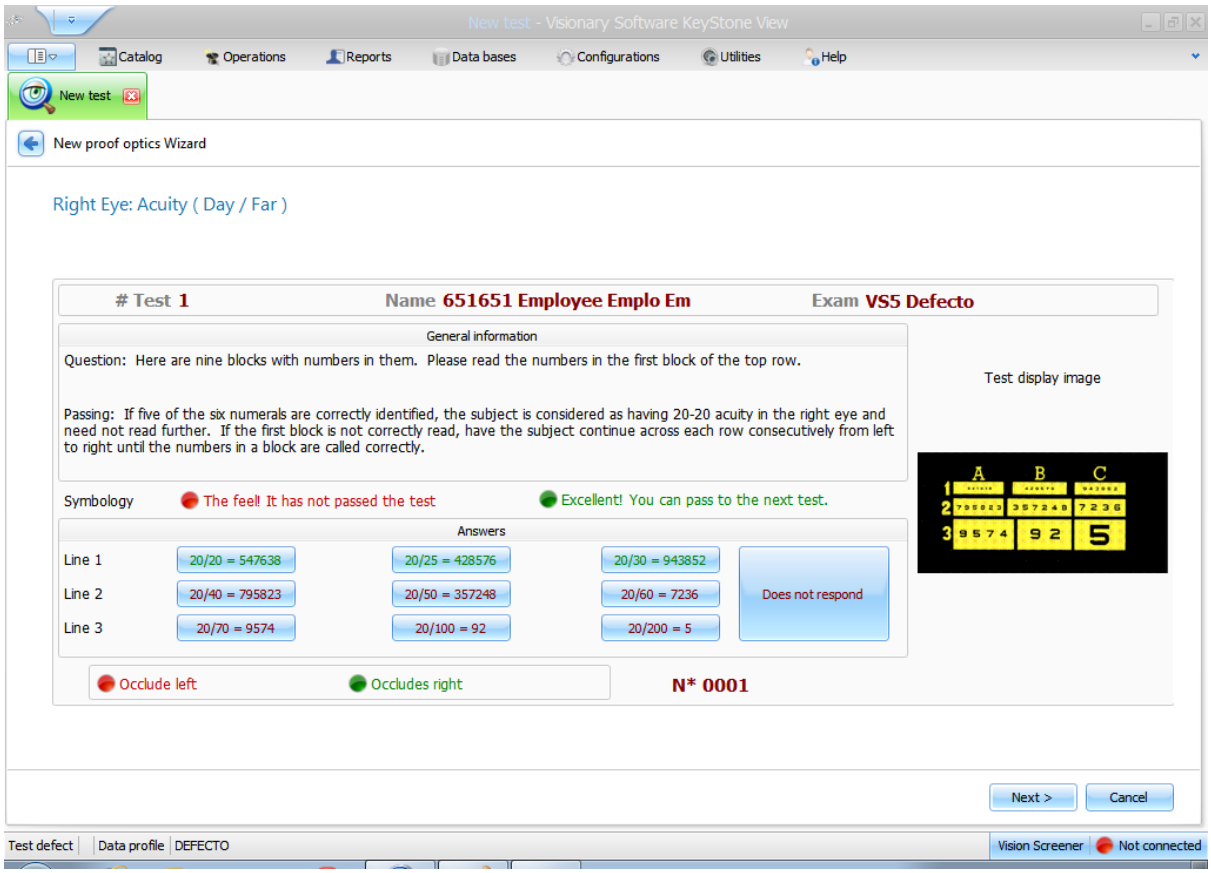

This screen is a example of how the windows are shown in the tests, as shown, in the upper part is the corresponding number to the current test as well a the client name and the exam in progress name.
Next in the central left section the questions and the corresponding answer will be shown, as well a the symbology that represents according to the selected exam a standard which is required to pass the exam. Its also shown which eye (occludes) is making the current test and the number of the test according selected exam.
On the other hand in the central right section will be a guide image equivalent to the one the client is observing.

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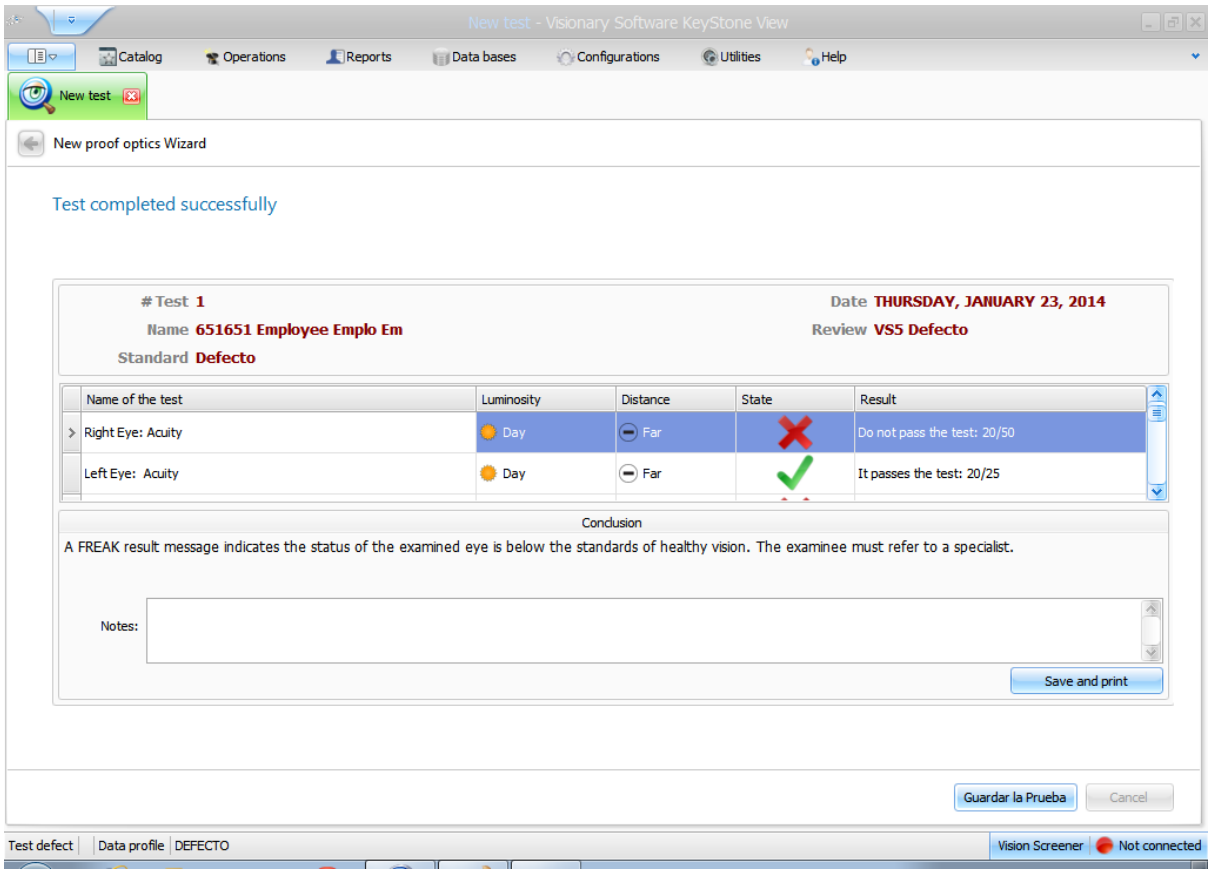
Tests conclusion section



This will be the last screen of the KeystoneView test assistant, wich will show the data selected at the beginning, such as the client number, executed exam type and the used standard, in this test, as well as a list of all the tests made and their status like the shown in the image, at the end a space to make notes will be available.

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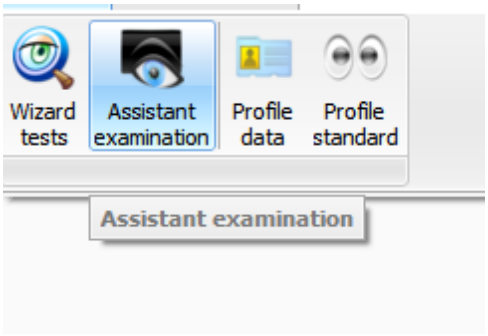
3.3.2 Examination

Exam assistant

In this section the KeystoneView application will allow the user to indicate which tests will be made in the eye exam corresponding to the clients.



To use this option go to operations category, next to test assistant.

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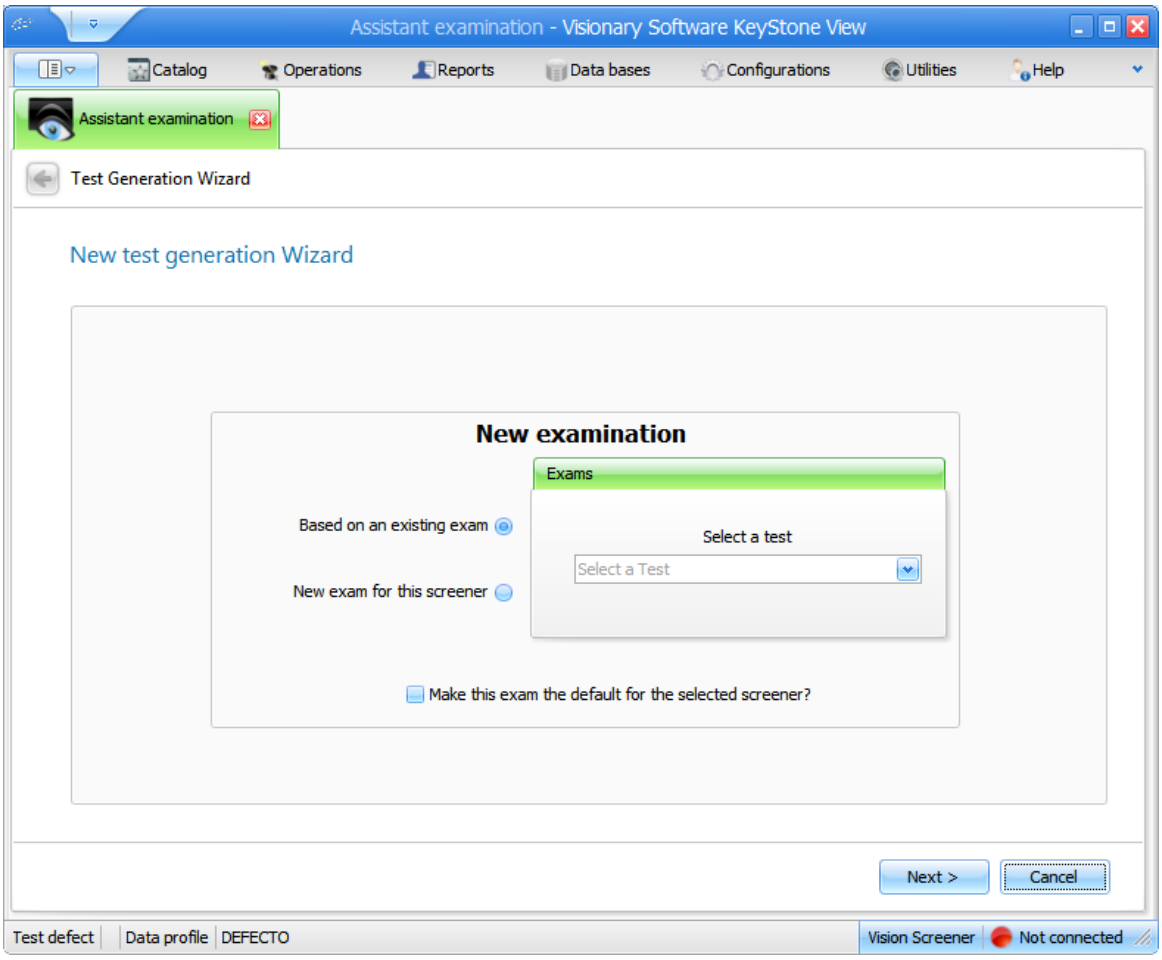
Start section

Based on an existing exam

This section is made to be able to modify or correct as much the tests as the exam requires.
Note: Several default exams are included, you can make your own based on them but they can't be modified directly. The ones you make will appear in the existing exam section.



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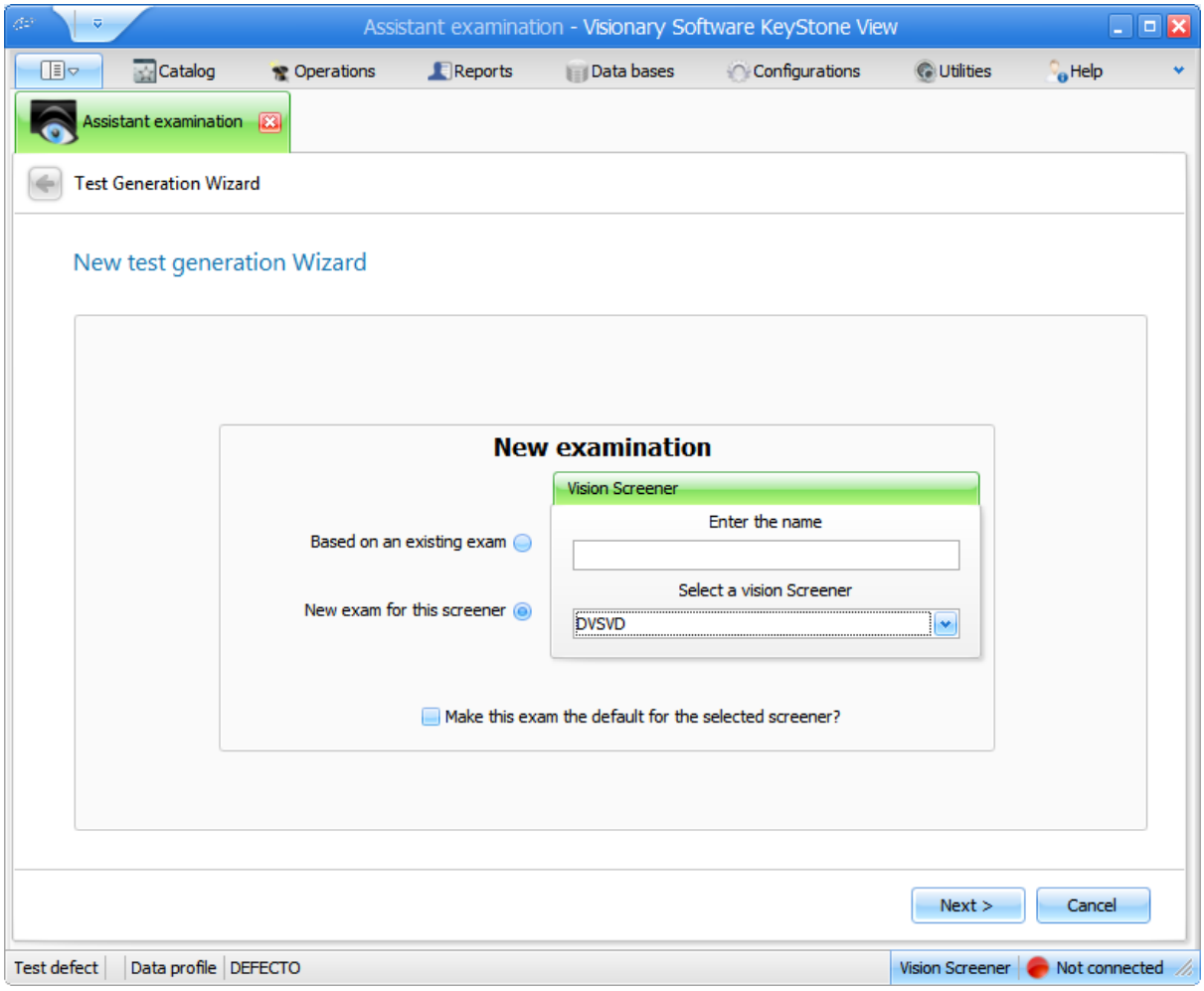
Based on a vision screener

In this section the name for the exam should be entered, also the corresponding vision screener.



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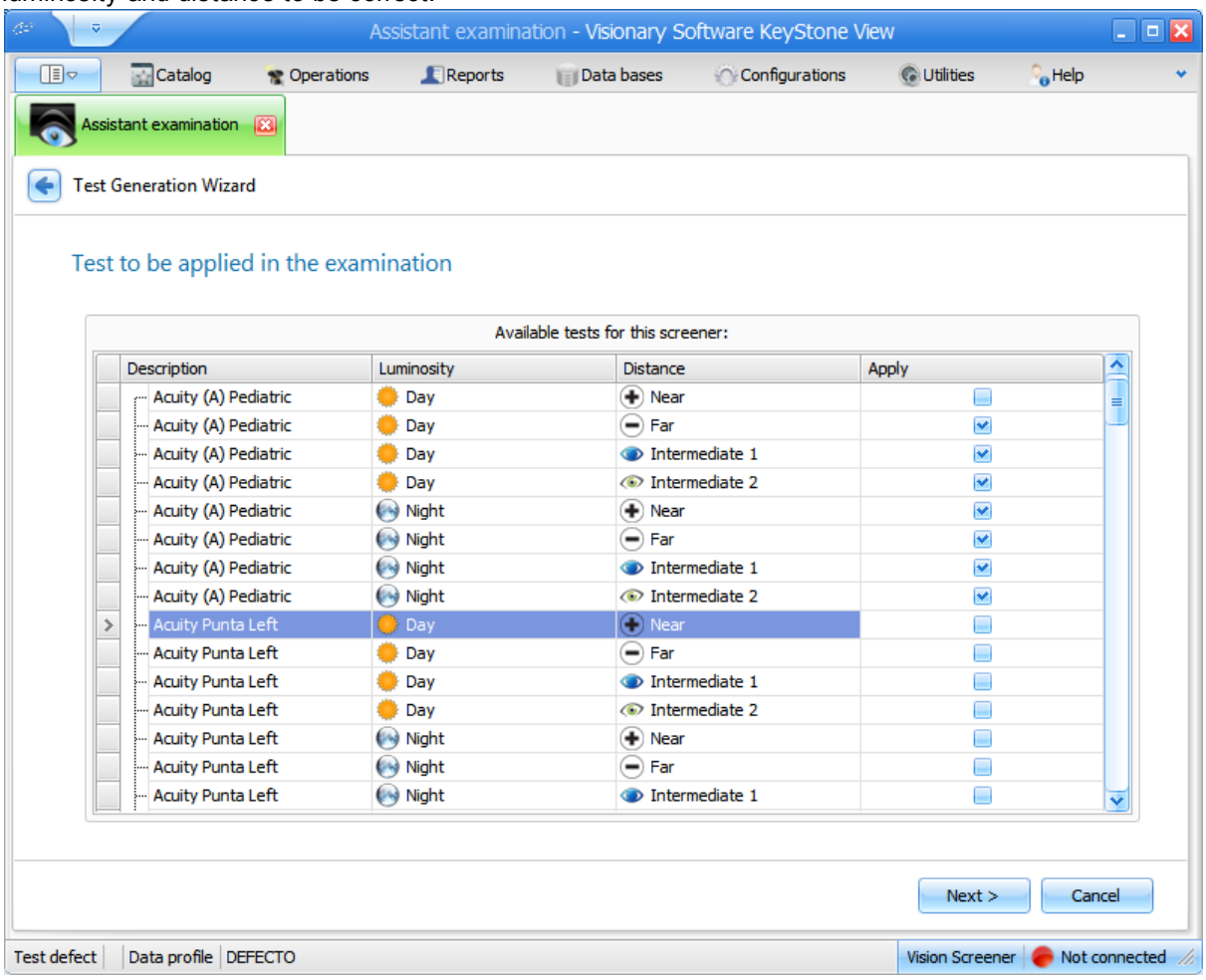
Test selection section

In this section the tests that will be made must be selected, they must be selected carefully for both luminosity and distance to be correct.



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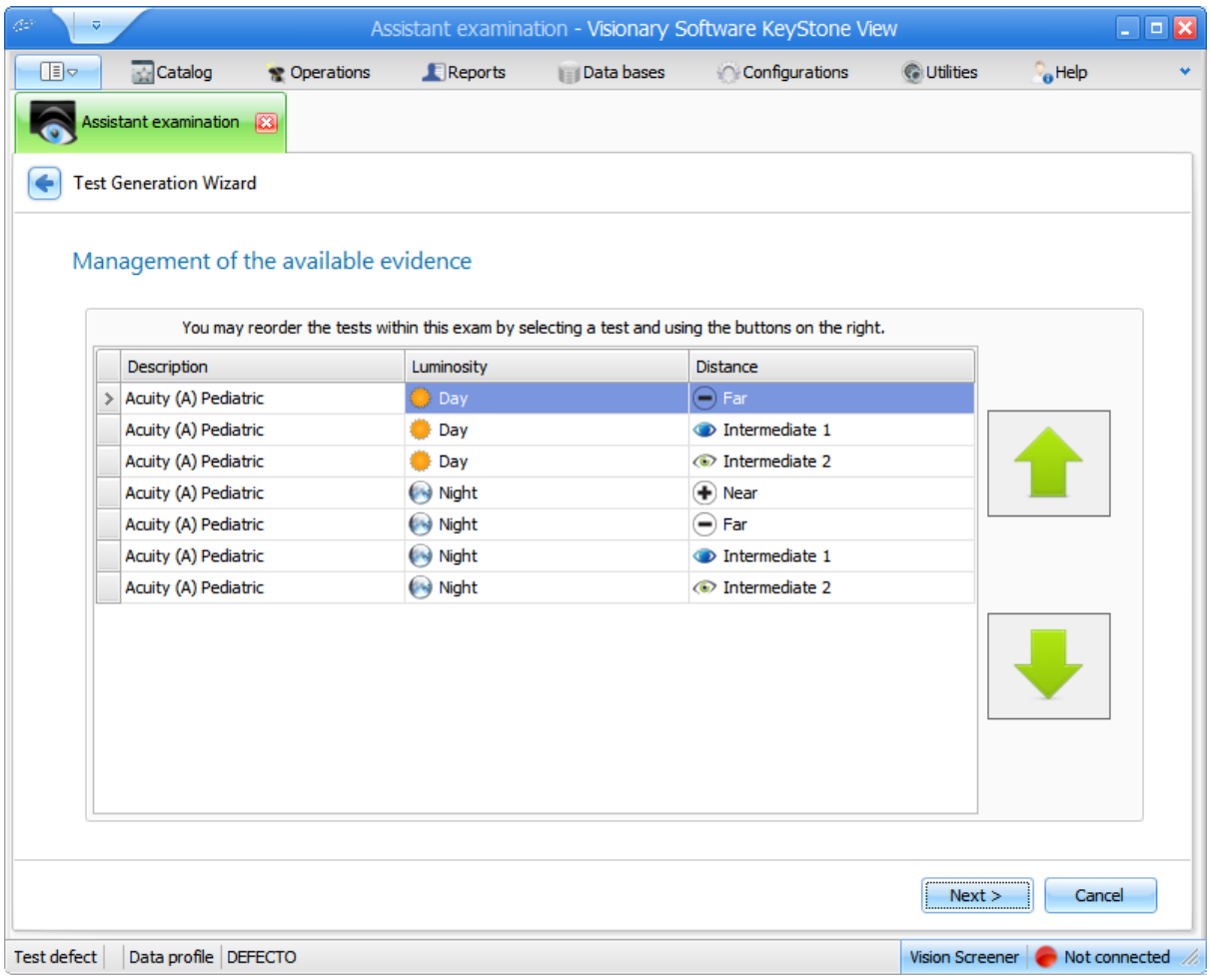
Tests arrangement section

In this section the order of tests will be made. Just select the test and press the up or down arrow keys to modify the order as desired.



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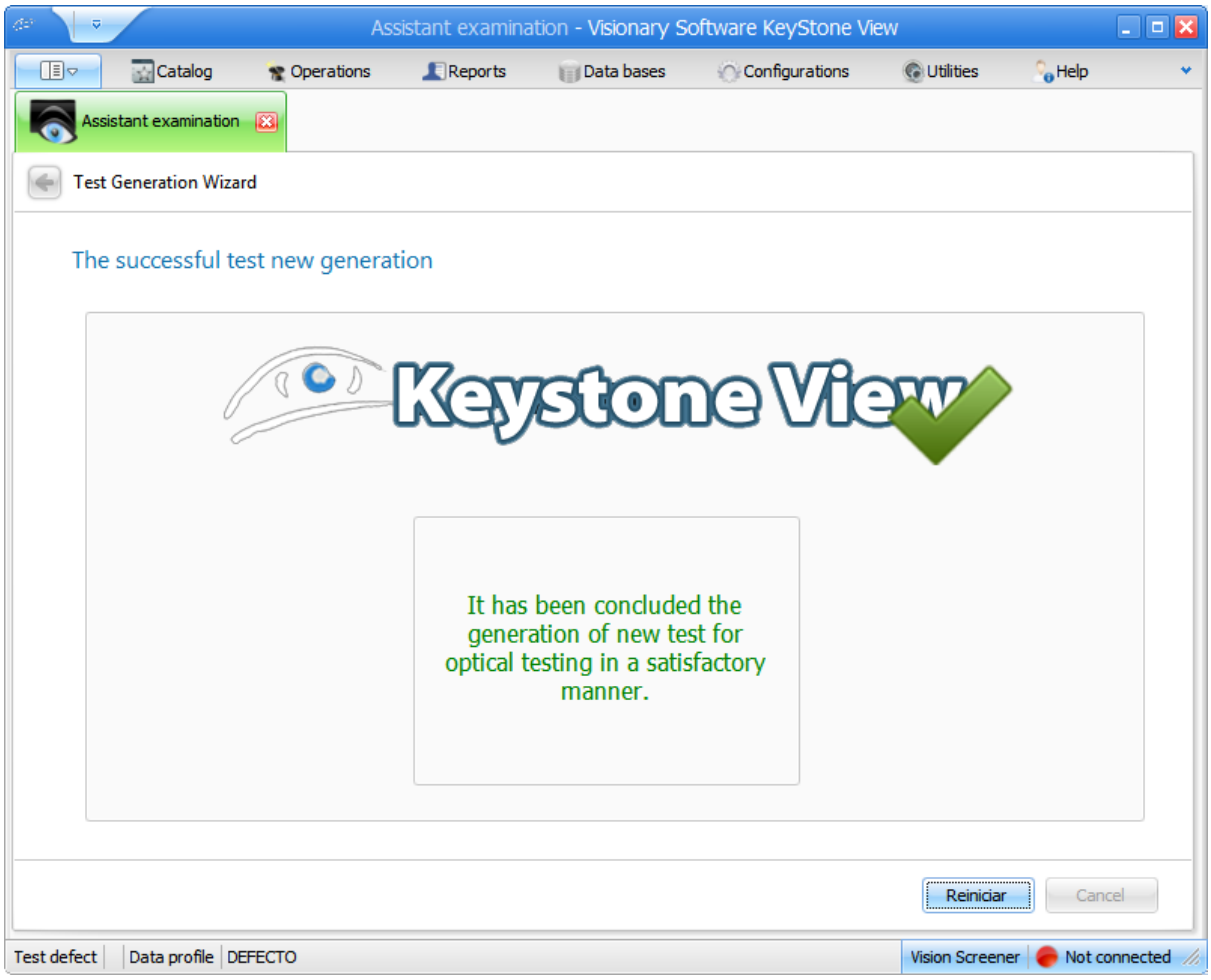
Final section

In this section the exam is stored successfully with the indicated tests.



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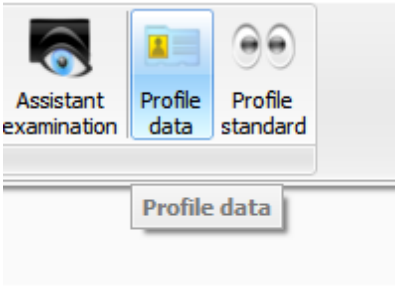
3.3.3 Data Profile

Data profile

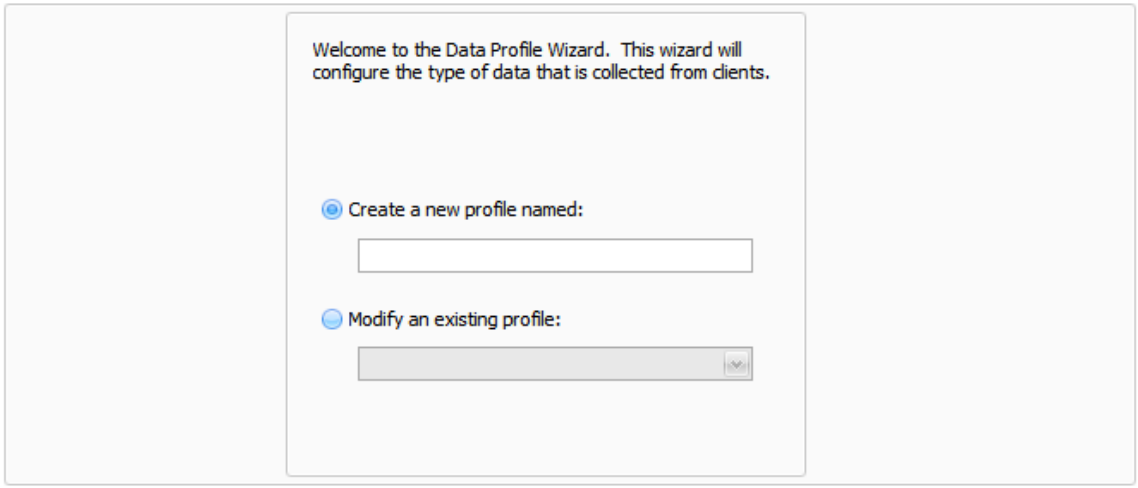
In this section the Keystone View application will allow the user to indicate which data will be stored and which are going to be an obligatory input corresponding to the clients.



To use this option go to operation category, next to exam assistant.

Start section

Welcome to the Profile Wizard of data



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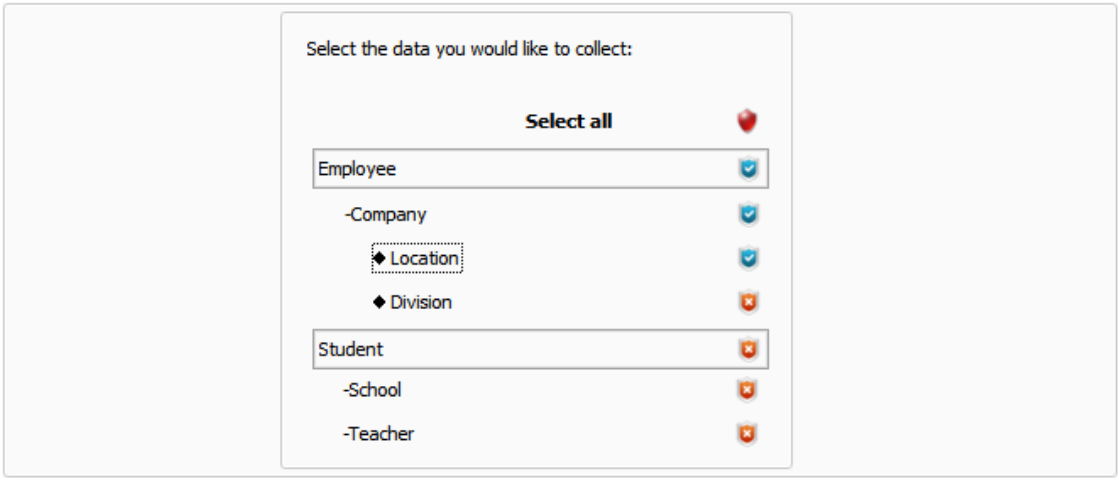
Category selection section

In this section the user will indicate to which categories will the information adjustment be made and saved.

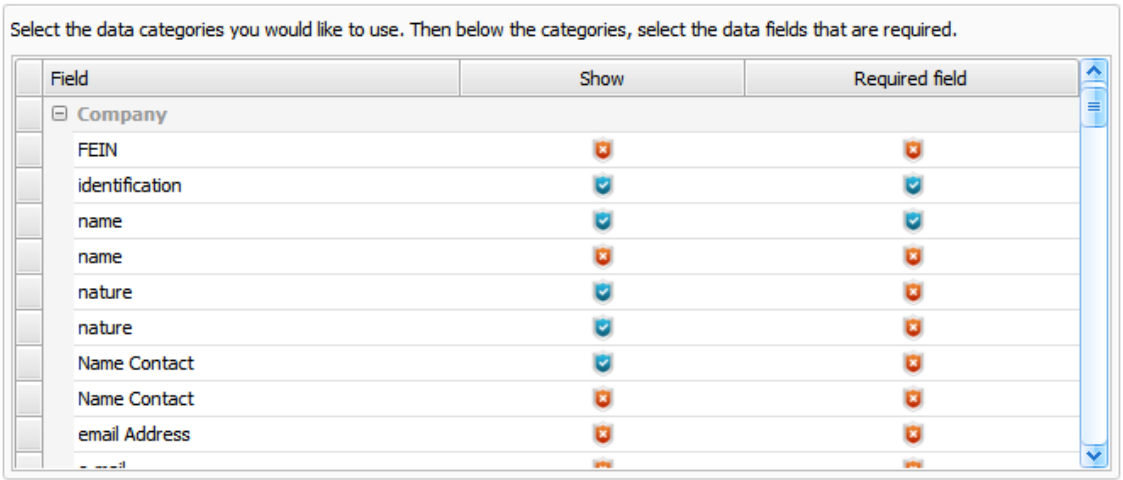
Select the data that you want to get



Categories data adjustment section

in this section the user indicates which fields of the category are optional and which are obligatory, as well as the ones that will be disabled to avoid unnecessary information on the system.

Select the data that you want to show or request of Employee, -Company, ♦ Location



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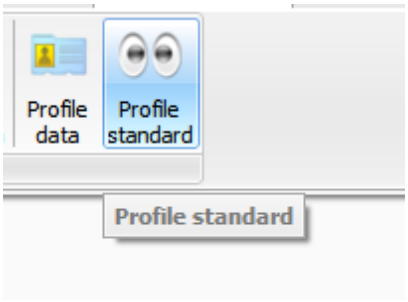
3.3.4 Standard

Standard assistant

In this section the Keystone View application will allow the user to indicate which type of configuration will have the tests corresponding to the clients.

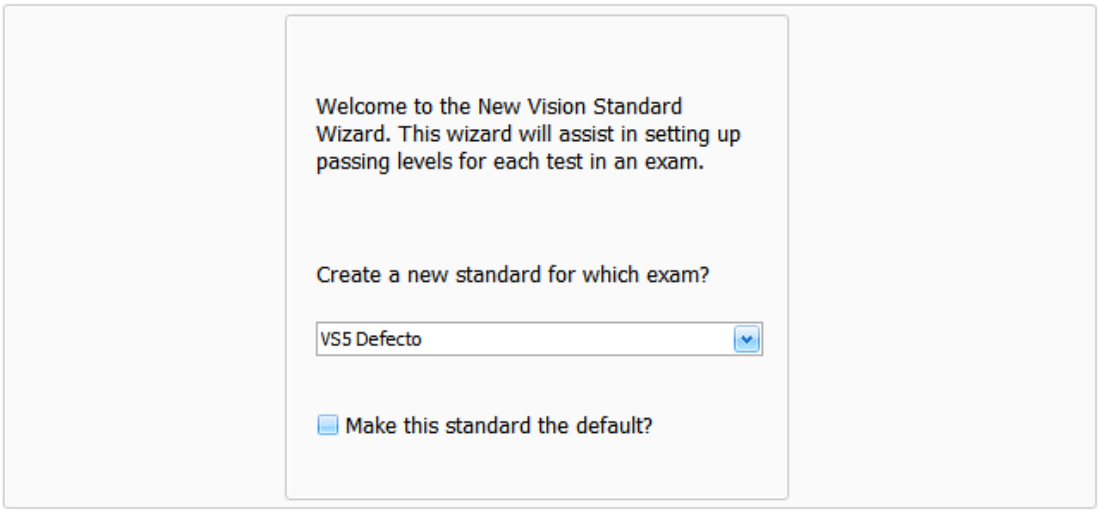


To use this option go to operation category, next to data profile.

Start section

The sight standards are based on the tests that have the exams, so to apply a standard, the corresponding exam must exist with the necessary proof.

Welcome to the Vision standard Wizard



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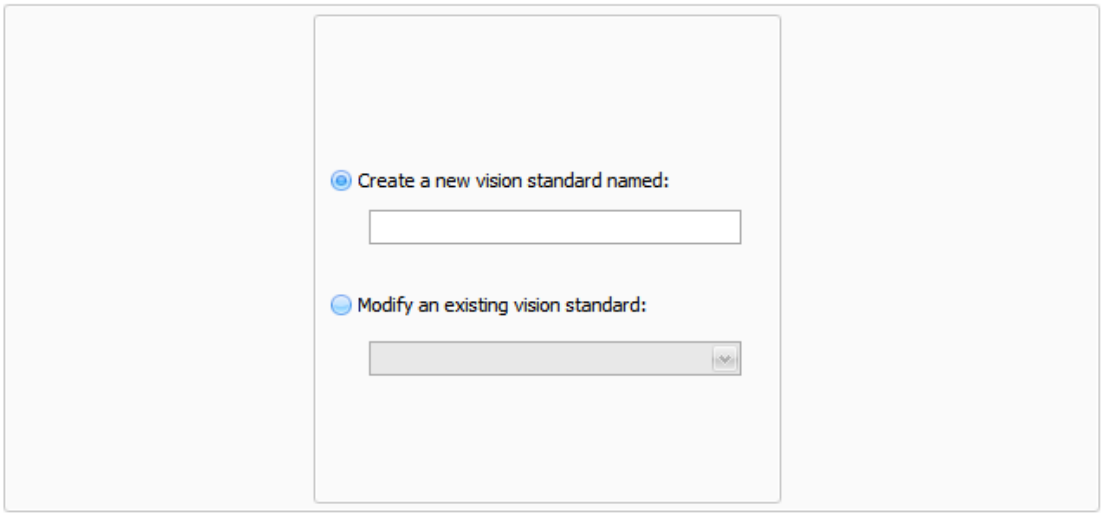
Standard input and modification section

in this section the user must indicate the new standard name for its creation or indicate the name of one that already exists for its modification.

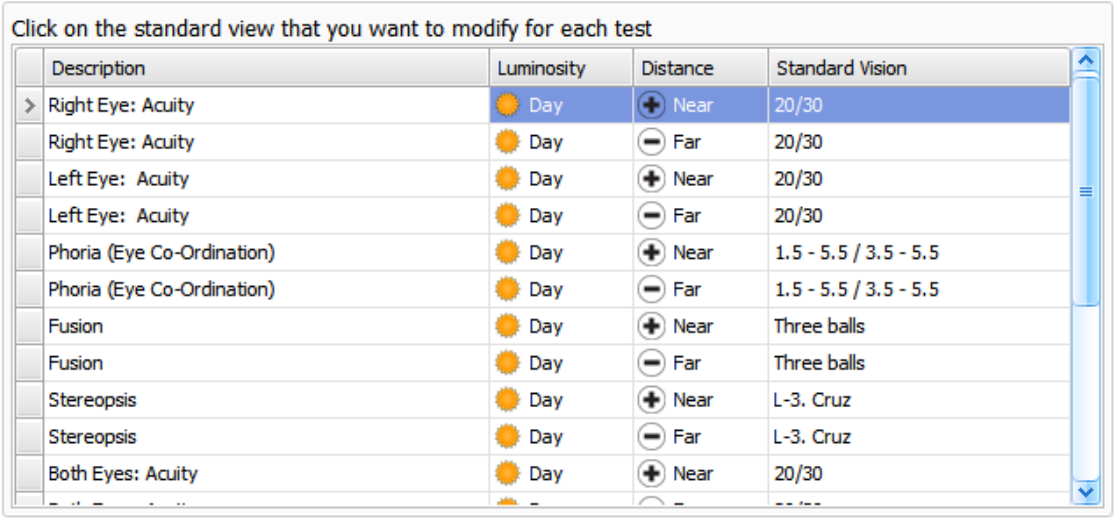
Specify a new filter, or select an existing one



Editing sectionSección Edición

Just click the button in the selected row, the standard for the test is able to be modified.

Modify standards of Vision



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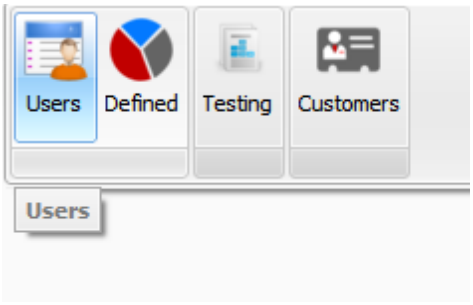
3.4 Reports

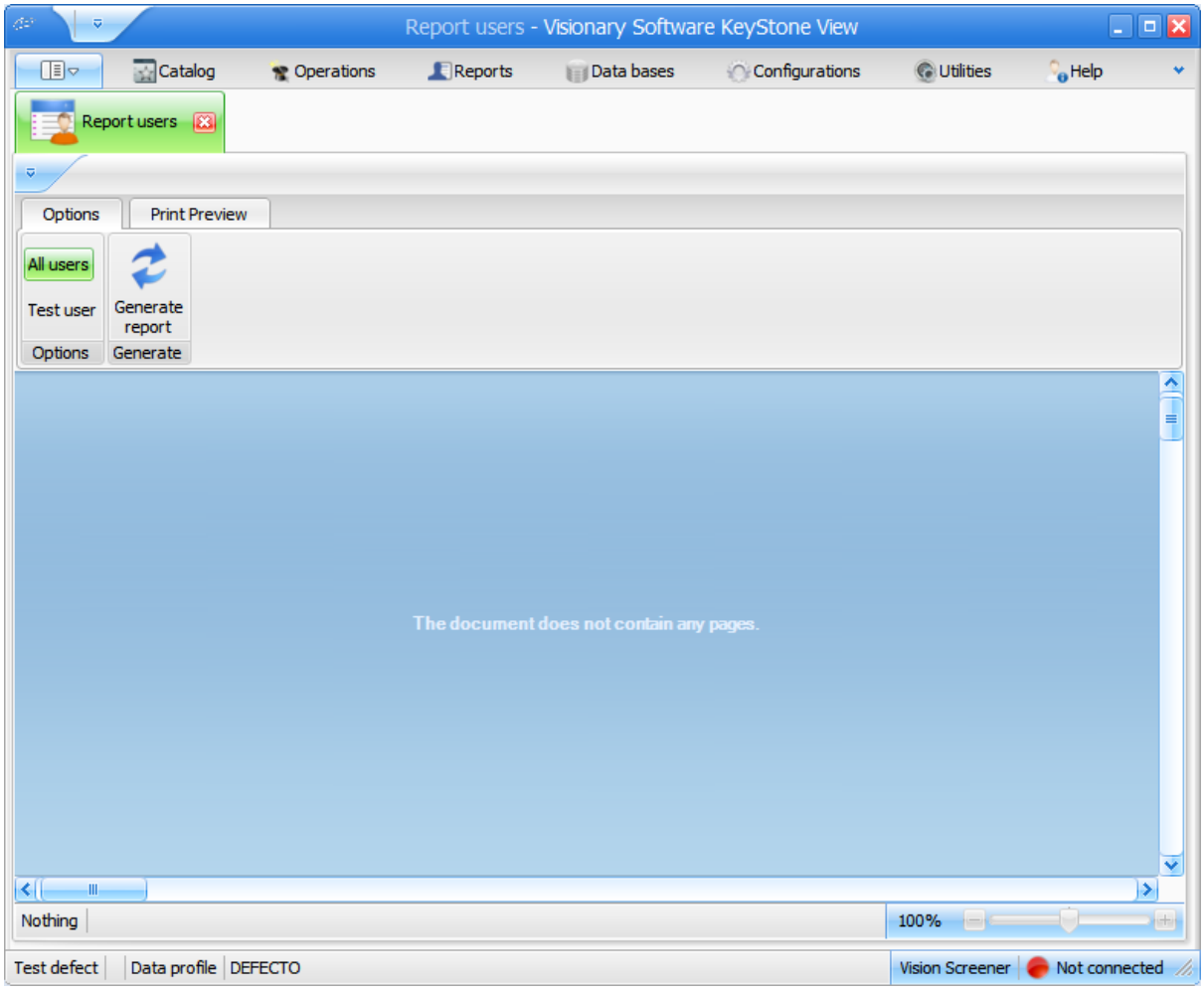
Reports

For the reports the system has generated a series of controls to improve its printing, sending and visualization, so its options have been generalized to make get a better acceptance from the system to the user.



To use these reports, go to the reports category.

Report generation section



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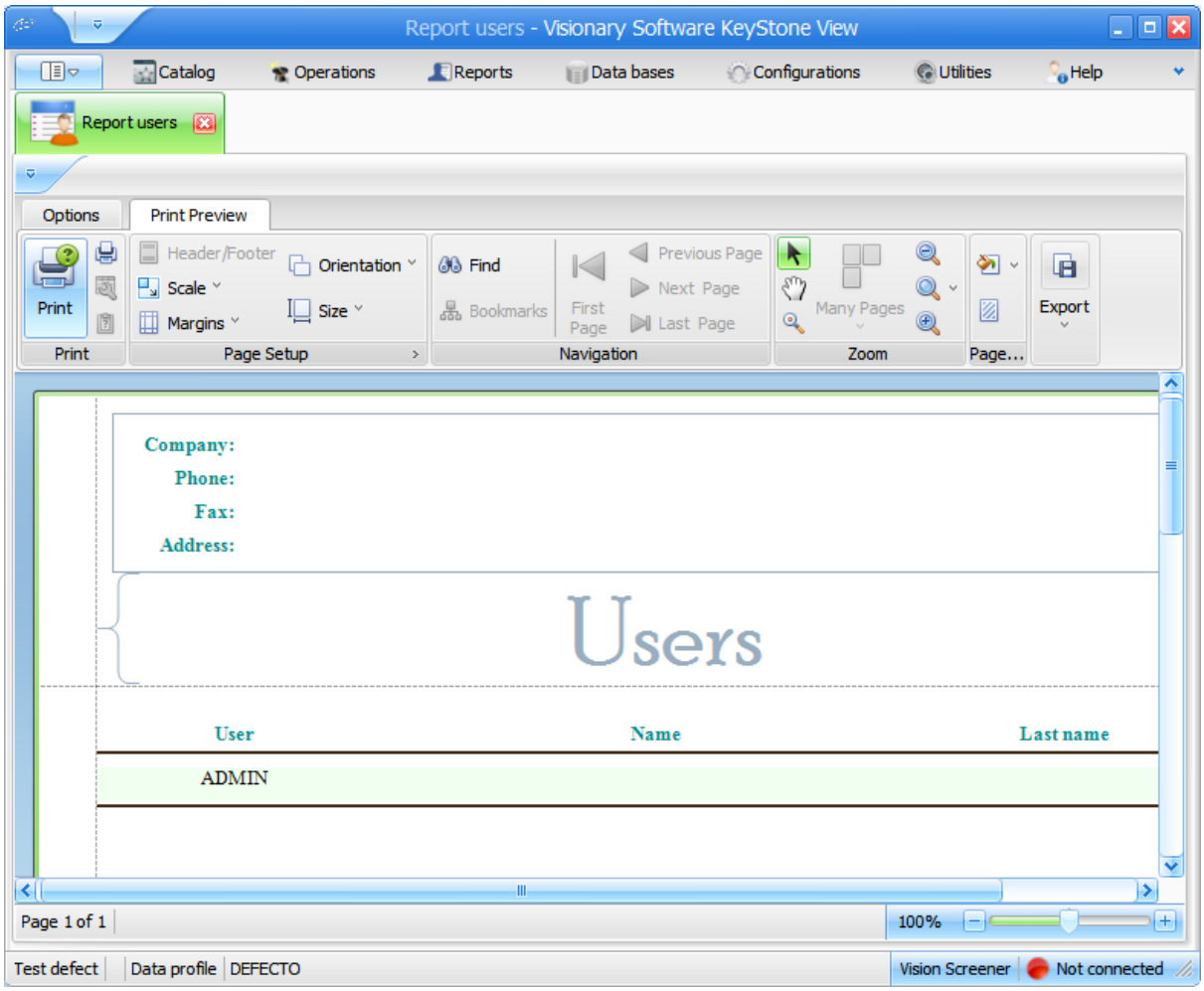
Report visualization section



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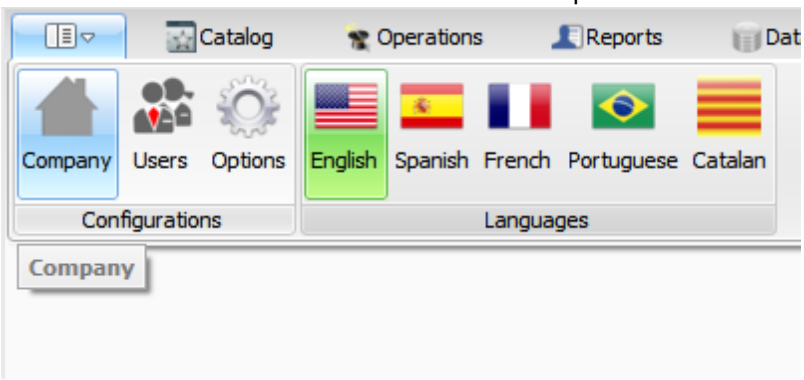
3.5 Utilities

3.5.1 Company

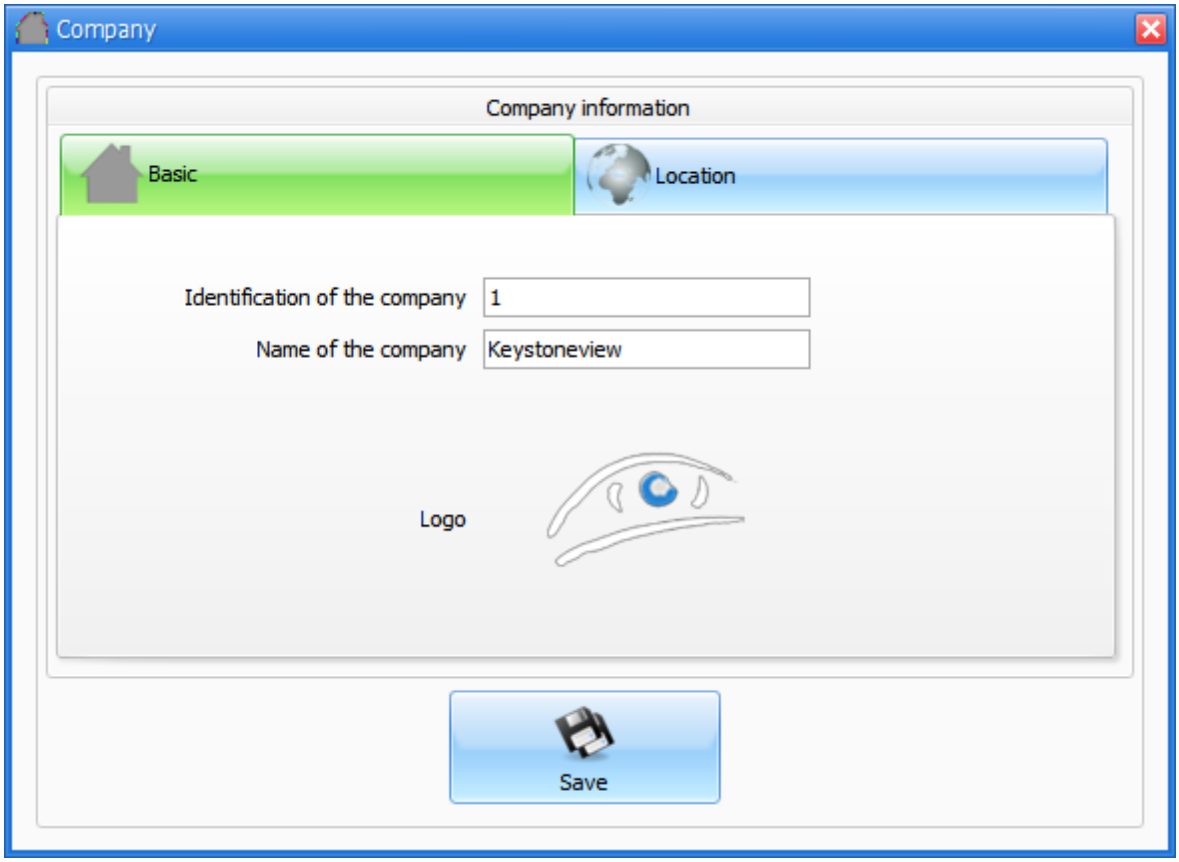
Company

This section focuses in the general information of the company that the system has, must be present that this is the information in the headers of the reports.



To get this option go to utilities category, next to users.

Main section



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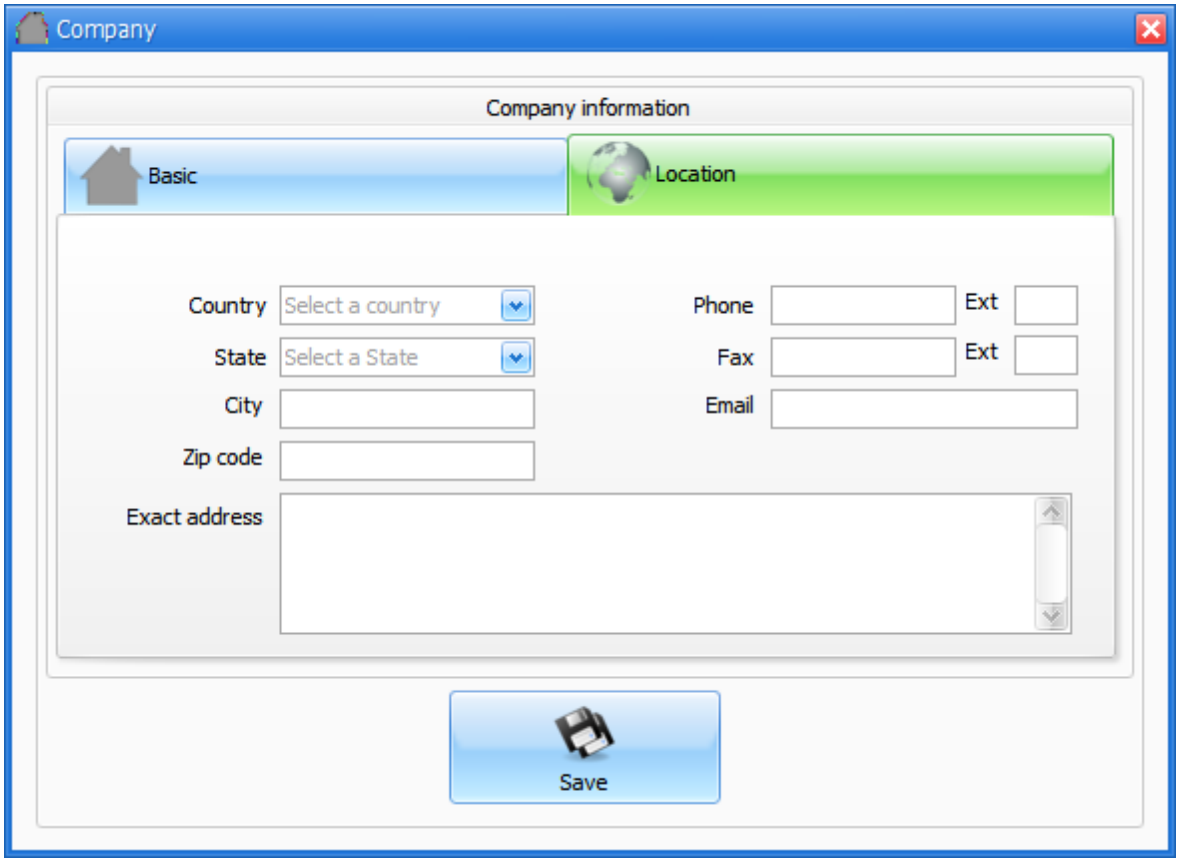
Note: To modify the logo right click on the Keystone View image and open, a window will open where a personal image can be selected.

Location section



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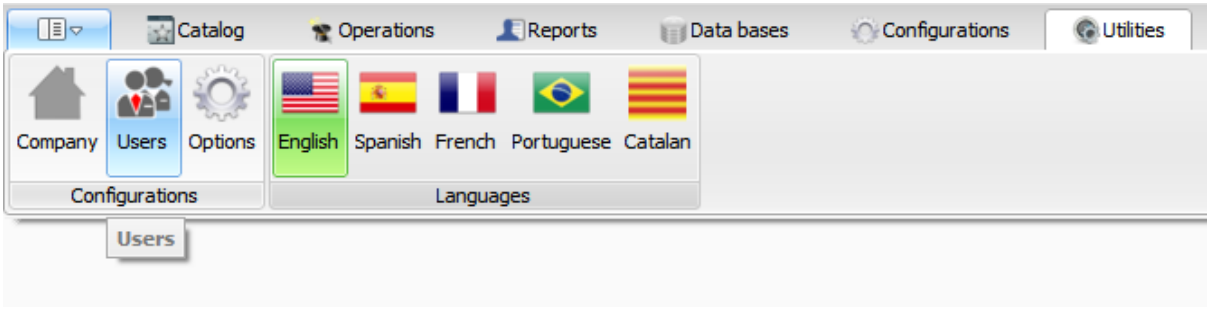
3.5.2 Users

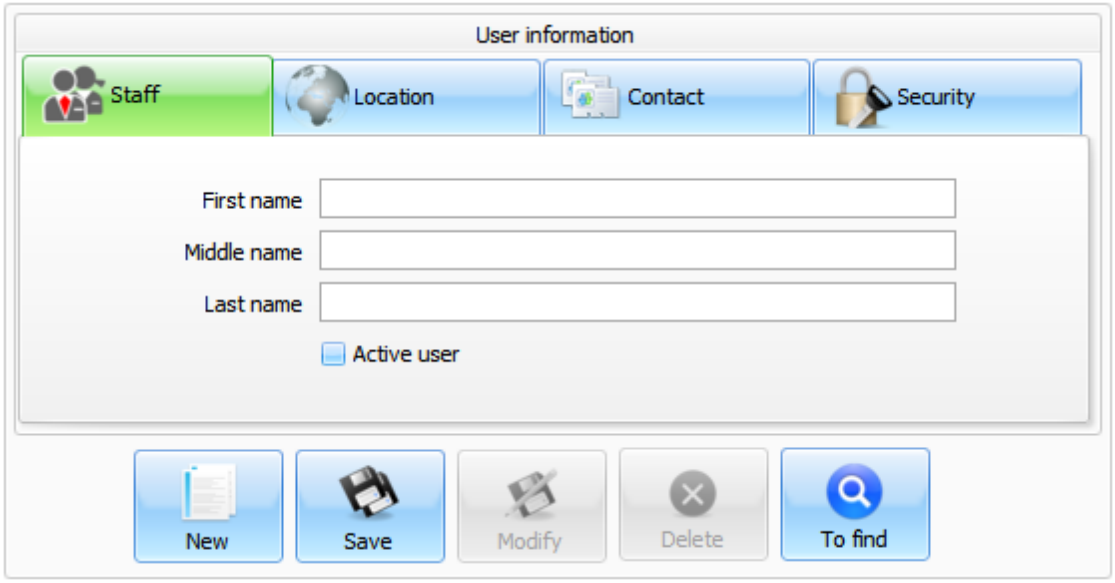
Users

This ection is designed for the access control of the users on the system, with the purpose of supervise who accesses and manipulates the system information.



To get this option go to utilities category, next to company.

Personal section



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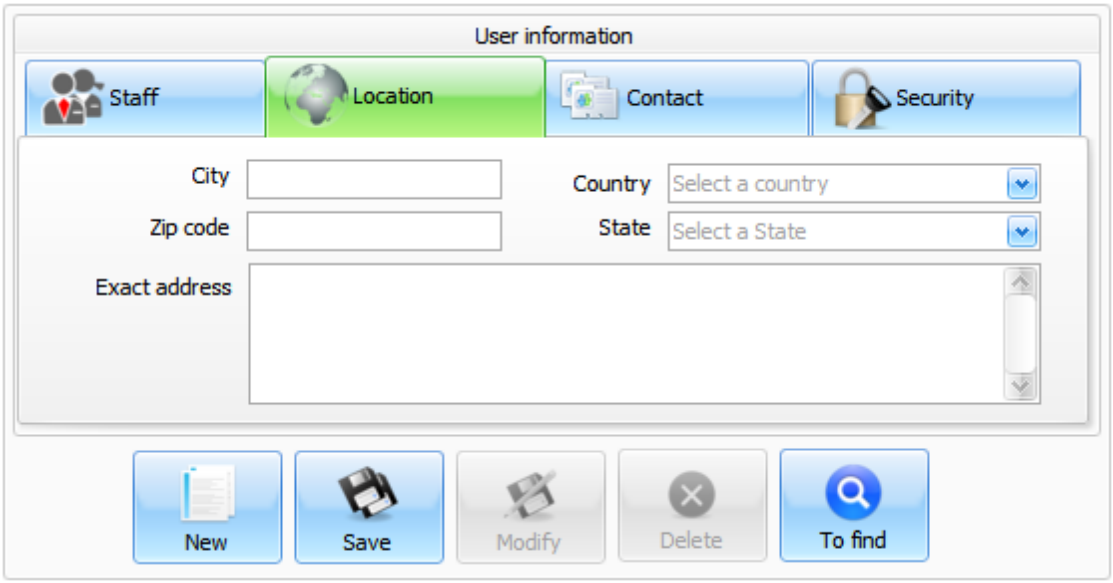
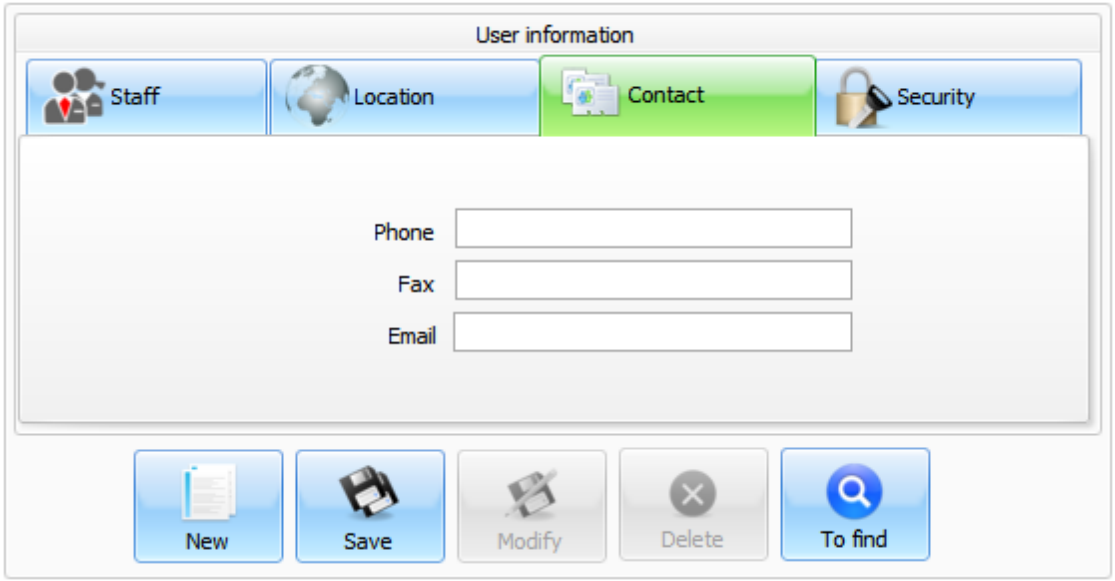
Location section



Contact section



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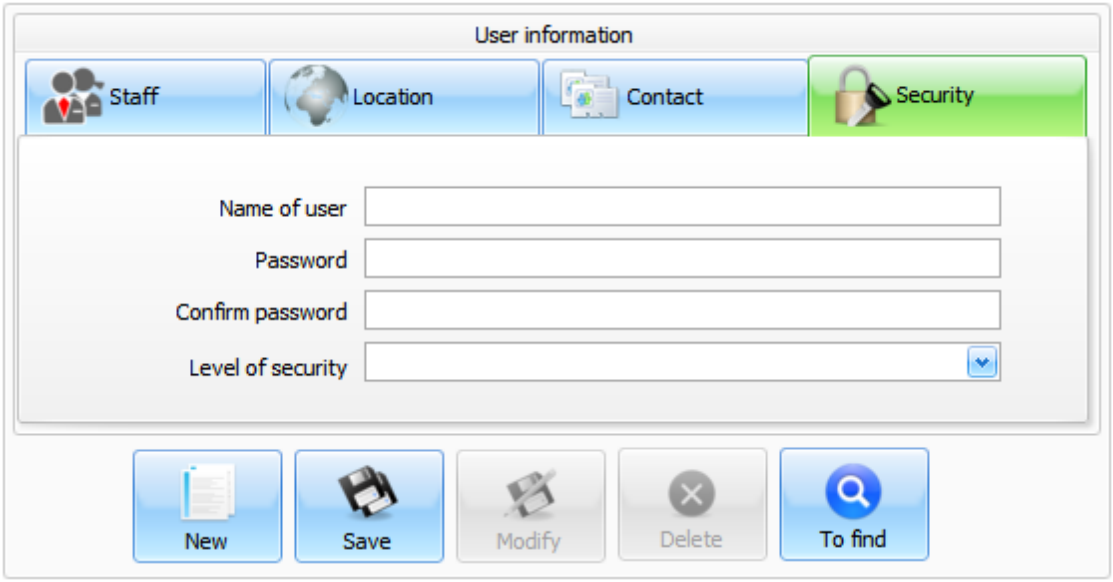
Security section



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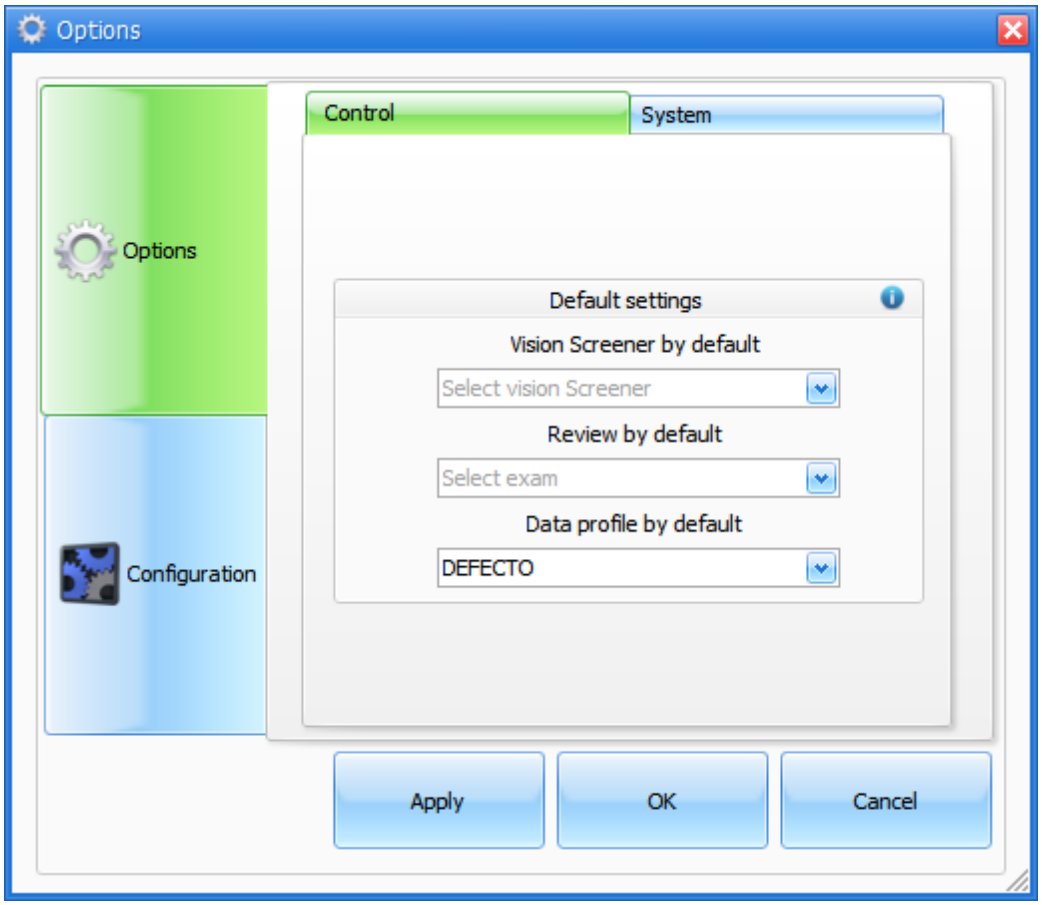
3.5.3 Options

This section is in charge of the configuration of some information and work forms of KeystoneView system, so for entering it the access can be from the utilities category in the options button.



At this part the user will be able to identify the default vision screener as well as the exam (See details) and default data profile (See details).

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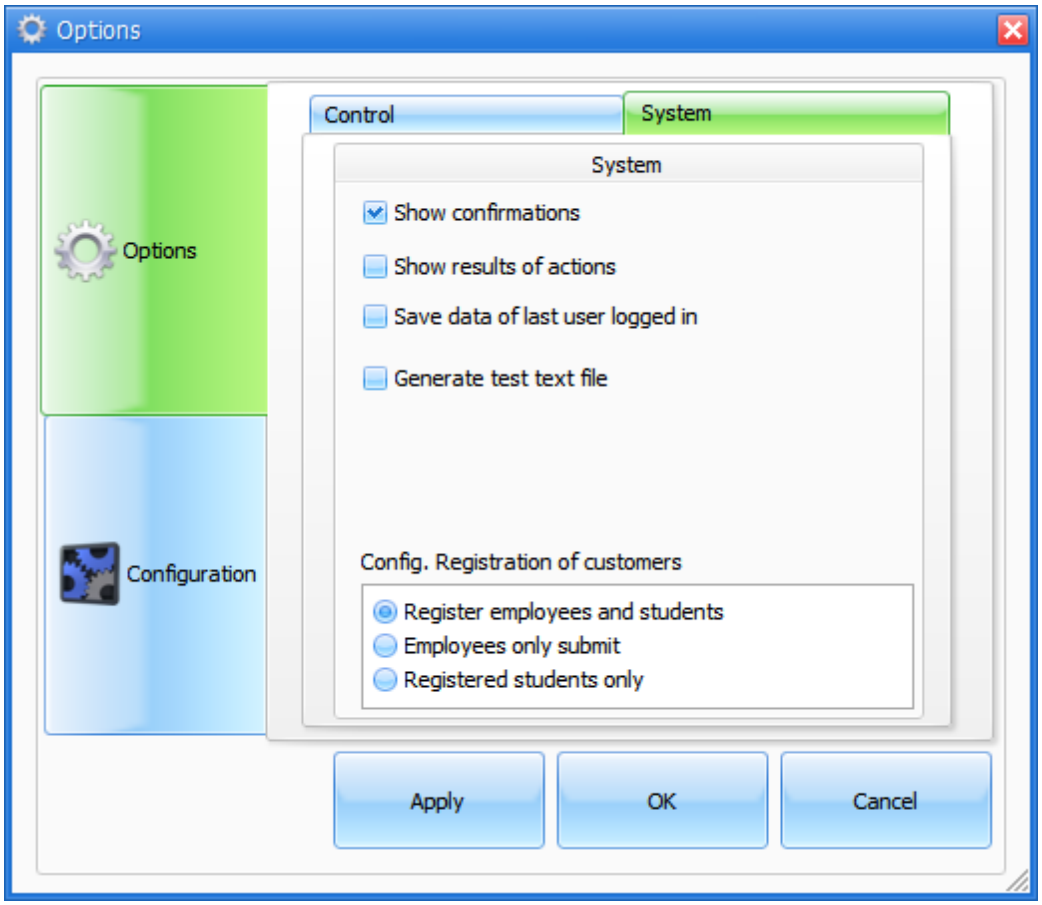

This screen will allow the message configuration (See details), as well as the type of client that will register.

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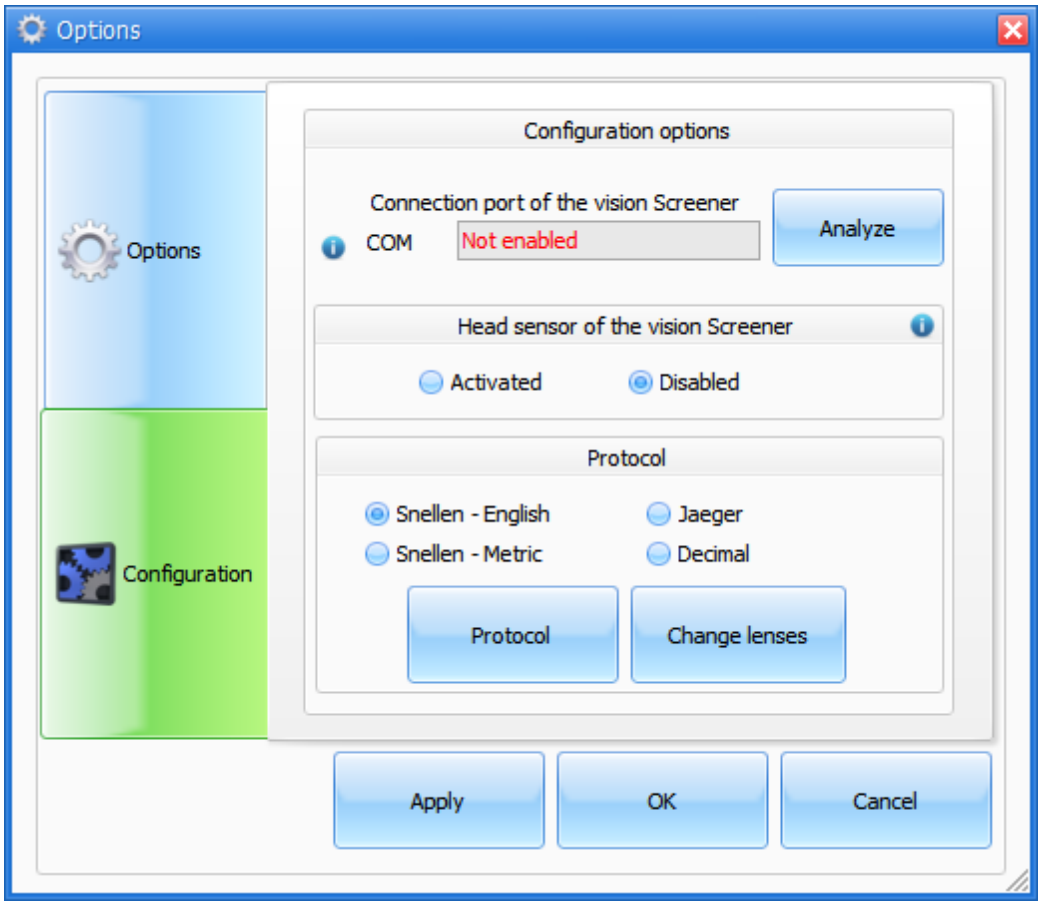

In this screen many configurations of the vision screener will be entered and the tests, starting with the port of the vision screener (in case of a serial a serial connection), next the head sensor which is configured manual or automatically for the vision screener to switch on when the head of the client is close. Also the protocol that will be used in the tests as standard.

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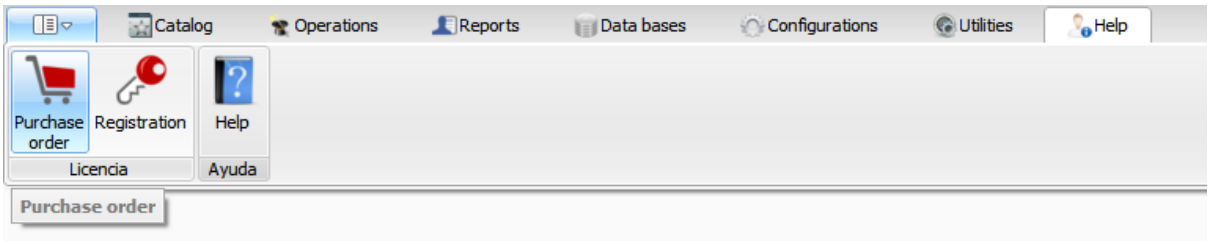
3.6 Help

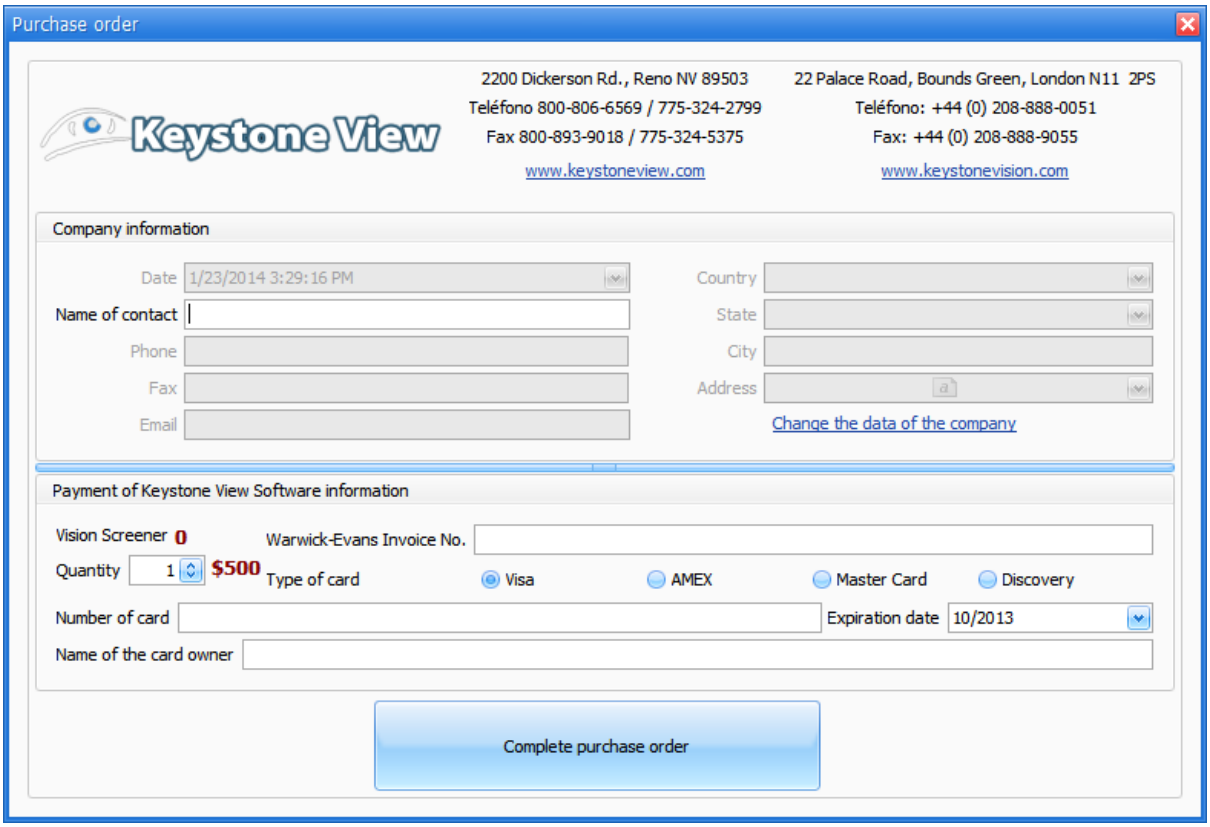
Enter topic text here.

3.6.1 Purchase Order

In this section the user can do a purchase order to continue enjoying the security, quality and comfort of the Keystone View system.



To access this screen go to help section, and click purchase order.



This screen must be filled with the personal information and the credit card information to make the system license, to be recalled the system value is only $500.

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