CHORUS GEWISS

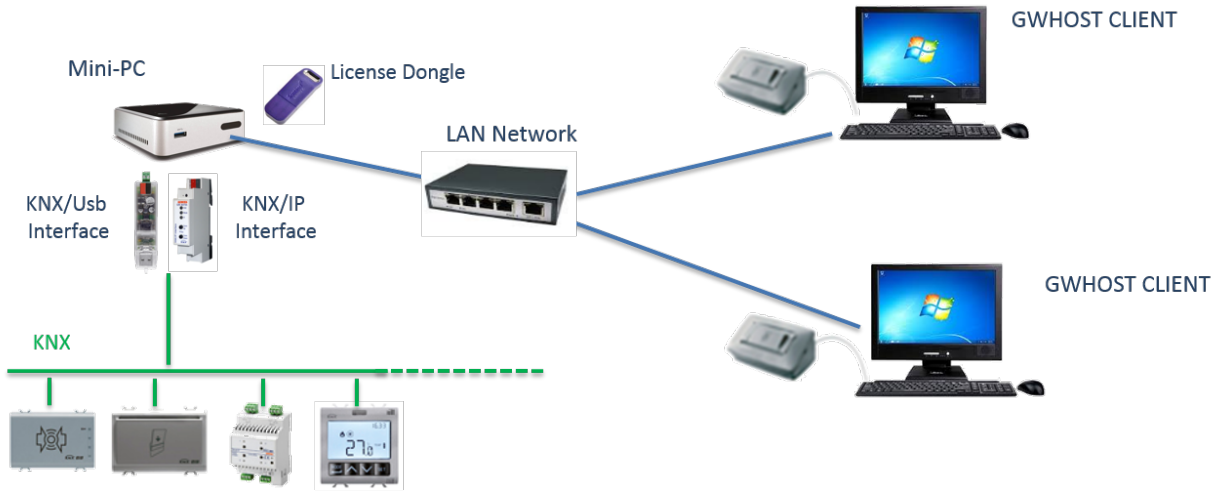
GWHOST Hand book

This handbook is aimed to help you to do your first steps on **GWHOST**

Information in this documenti s subject to change without notice.

Indice

System architecture



It is recommended to place the mini-PC in a technical location and to protect the power supply line via a UPS. The licence dongle has to be plugged into a USB port of the mini-PC.
To start programming the system, connect your PC via LAN to the mini-PC, then open the Windows remote desktop feature, setting the following parameters:

IP address for the mini-PC:	192.168.1.100
User:	Administrator
Password:	gwhost

Modules

GWHOST is composed of several modules:

eKnx	→ used to maintain the connection to the bus
eProg	→ used to program the cards
eGest	→ used to interface to the management software
eTool	→ used to define the system architecture
eDome	→ used by the receptionist
eService	→ used to check the licences (number of zones and number of customers)
eMonitor	→ used to configure and monitor

eGest, eService and eKnx start automatically on a time delay

The EBOX.FDB file contains all the information about the project and is located at the following path:
c/programfile86/GWHOST/db/ebox.fdb

EMonitor

Functions

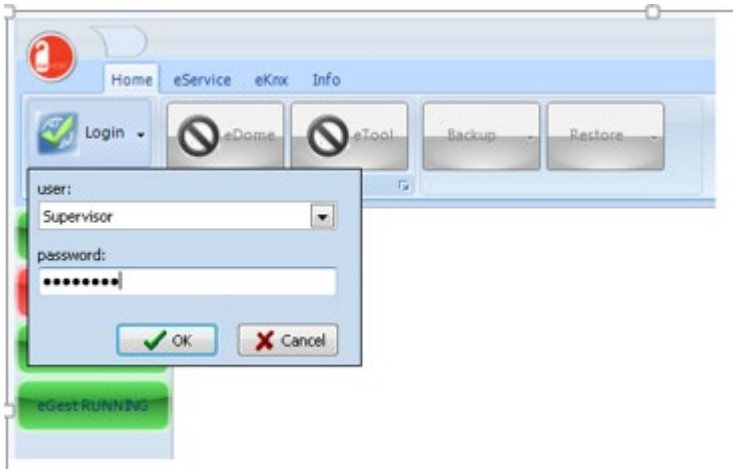
EMonitor is the software that displays the status of the task of **GWHOST** system.
Is also possible, according to the rights obtained after login in, stop the services, set the configuration of various parameters, restart the services.
EMonitor is not thought to interact with the end user customer, but must be an important tool for the installer.

Configuration

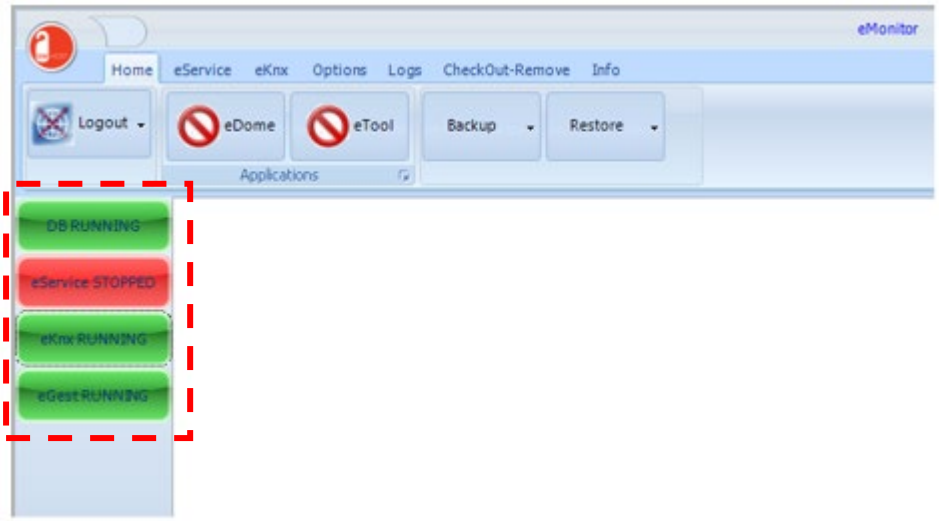
Operating mode

Execute **EMonitor** and log in as Supervisor, default password for all automatic created users is *password*

Keyboard shortcut to login is CTRL+L



On the left side of the form, are showed the services status, a red button point that the service is stopped, a green button point that the service is running well.



If the database engine is stopped, go to *Control Panel,* execute *Firebird 2.0 Server Manager* to check and restart database service.

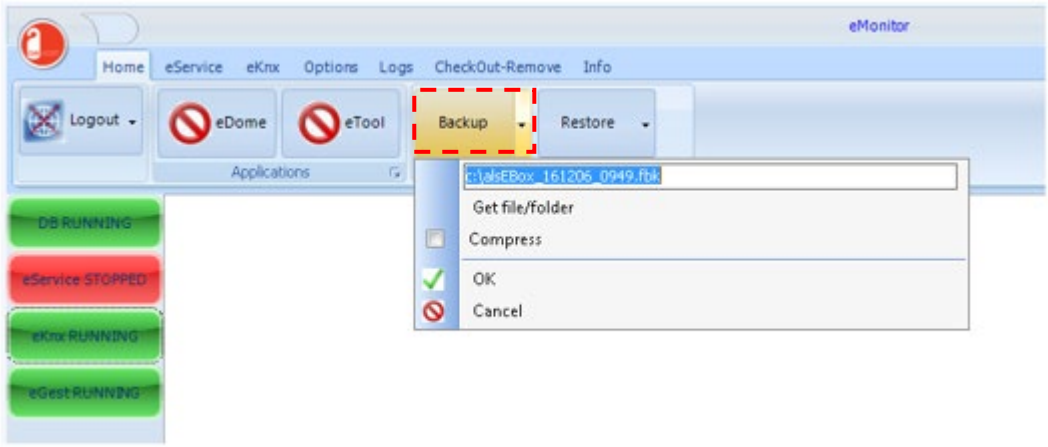
If **EService** and/or **EKnx** are stopped, go on its respective tab and start it.

Project Backup

EMonitor can make a backup of the full project.

It's possible to make a backup of the project, using the *Backup* button.
Default name for backup file is *alsEBox_YYMMDD_HHmm.fbk* where

- YY is current year
- MM is current month
- DD is current day
- HH is current hour
- mm is current minute



The *Compress* option, if checked, create a compressed archive file of the just created backup file.

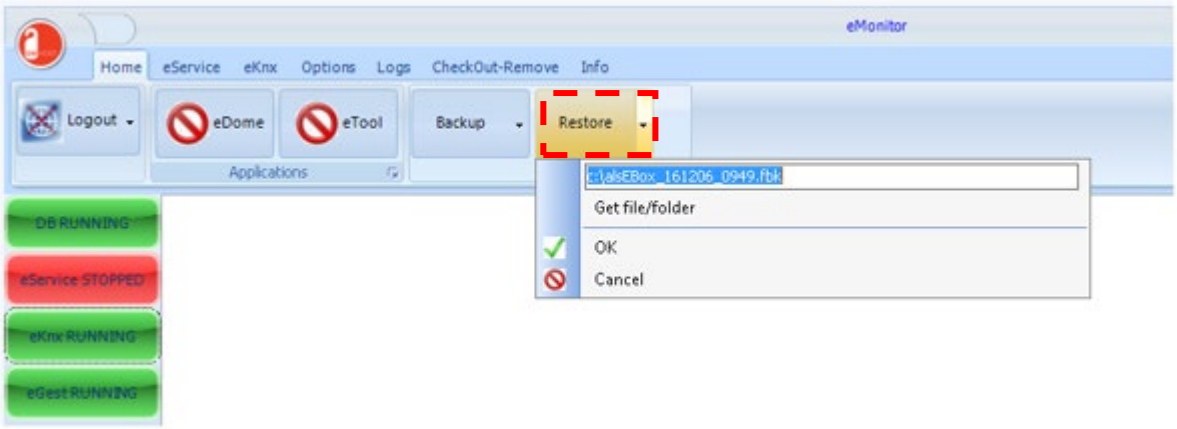
Note Backup is always possible without stopping the normal working functions of the ESuite software

Project Restore

EMonitor can make a restore of the full project.

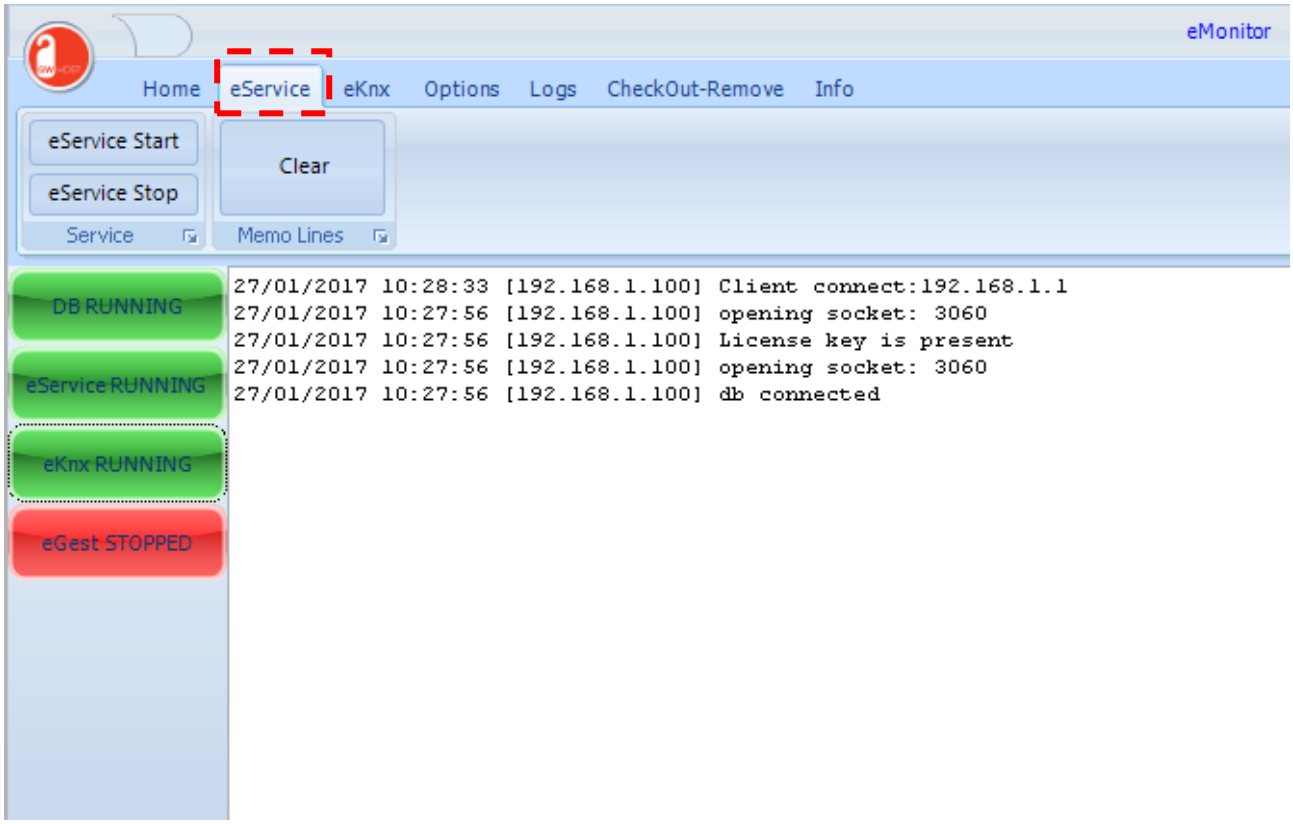
During the *Restore* procedure it's not possible to work with ESuite, and logs are not recorded.

Before starting the restore procedure, check that all the ESuite tasks are stopped.
Also the clients running ESuite tasks (ex. **EDome**, **EProg**) must disconnect from the system.
Eservice, **EKnx**, **EGest** are automatically stopped and restarded by the *restore* procedure



EService

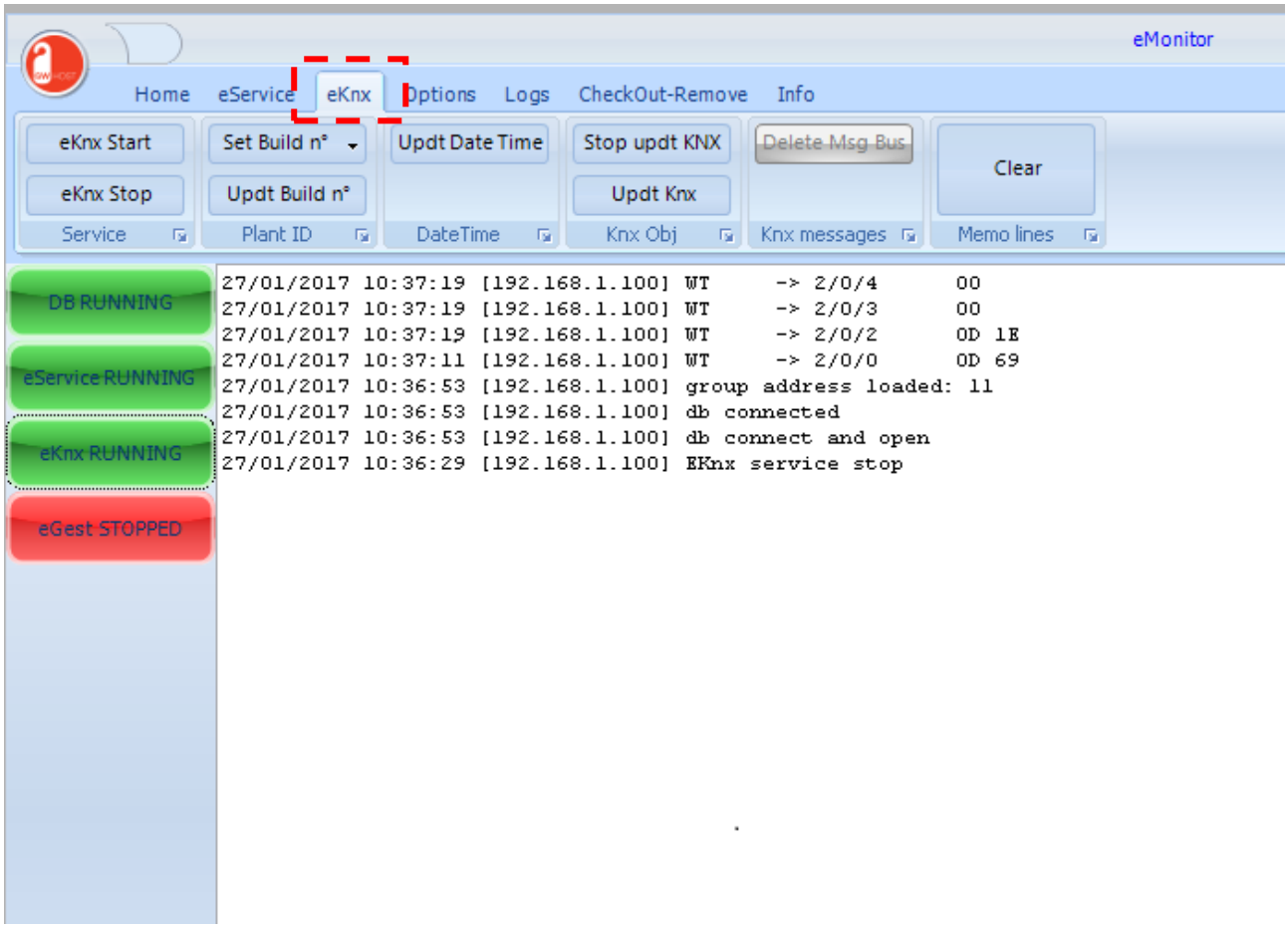
Switching to **EService** page



It's possible to monitor the status, start or stop the module.
As you can see in the picture above DB is correctly connected, the service has been able to open the socket, the license key is present and one client is connected (client ip address is reported).

EKnx

Switching to **EKnx** page



It's possible to monitor the status, start or stop the module.

Plant ID options:

Set Build n° let you set the value for group object Build Number, remember to *Update* this value to new readers and holders of the plant (first time you install the system) or whenever you add or replace a reader/holder.

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Data Time option

Update date and time CO getting current values from PC system

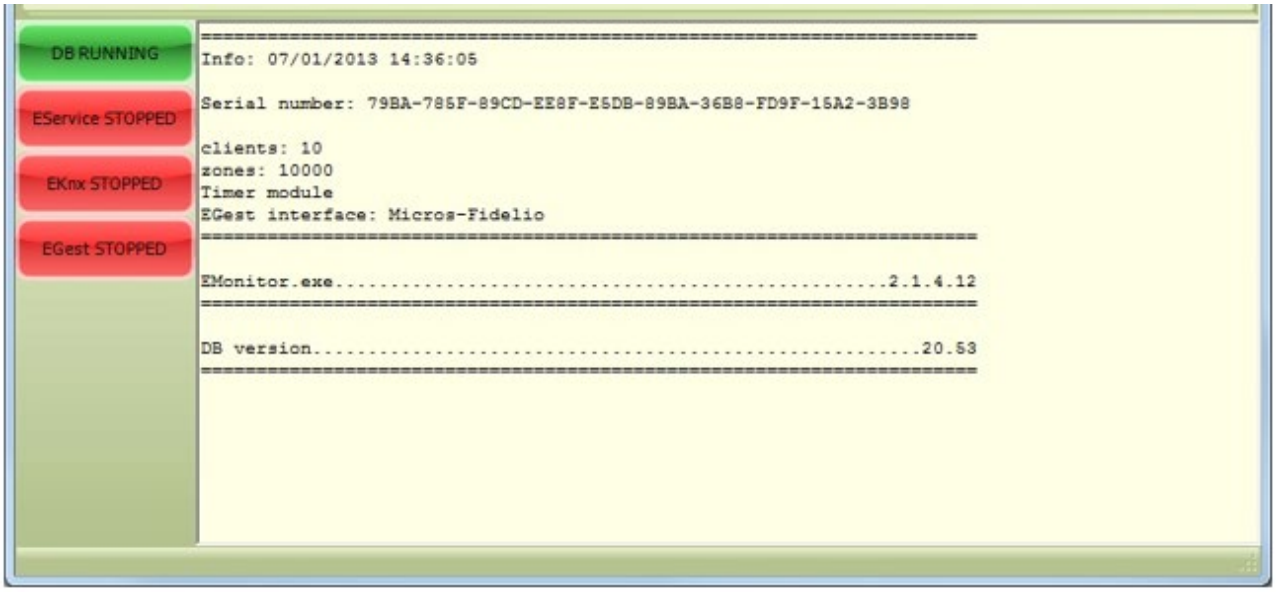
KNX Obj options:

Pushing *Update* button, CO values are re-synced making "Read request" command direct to the bus.

It's possible to stop this procedure pushing *Stop* button.

EGest

EGest tab is visible if **GWHOST** is enabled to be interfaced with other software, it's possible to know license details going to *Info* tab.

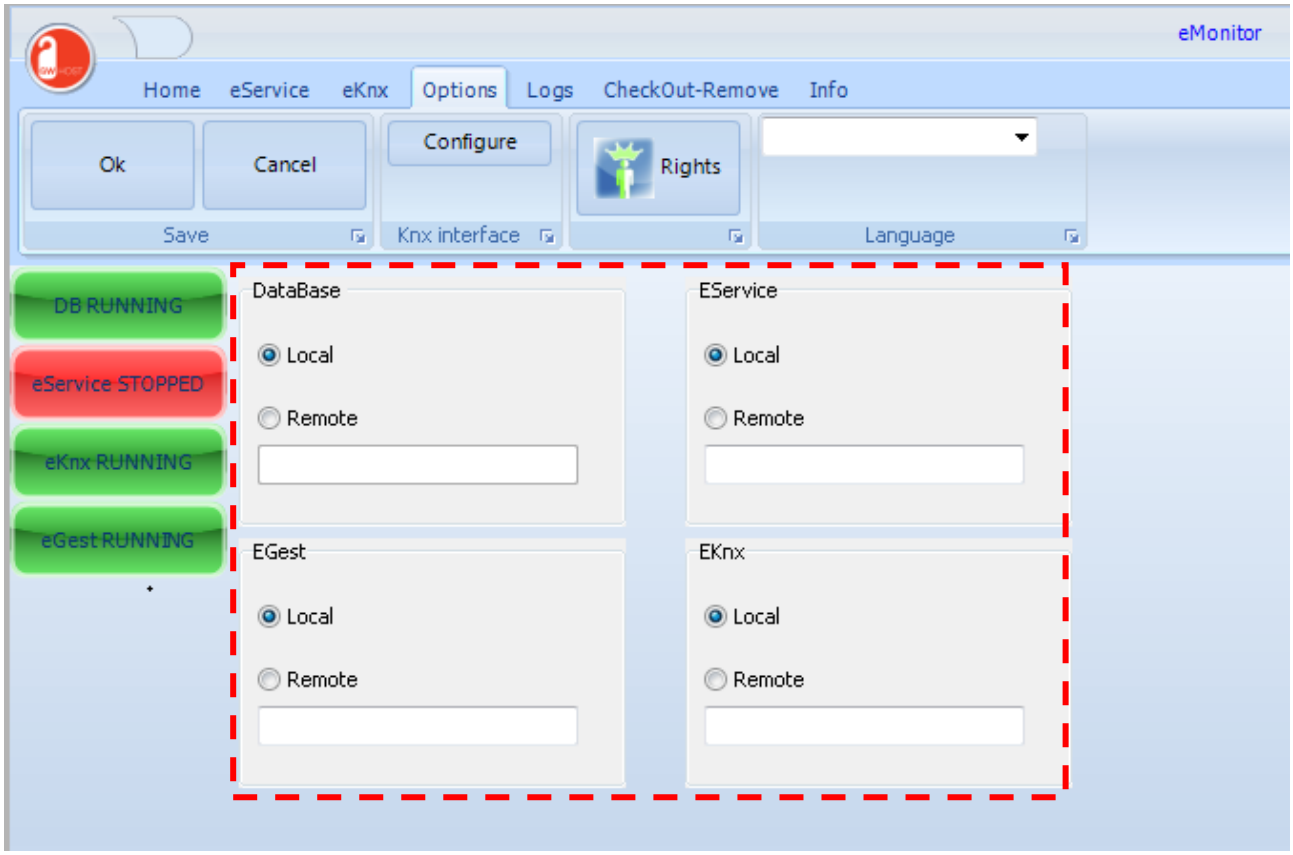


In this example the interface towards Micros-Fidelio PMS has been licensed.
Each type of **EGest** interface has its own properties see Appendix **EGest** interface properties for details.

Opzioni

General option

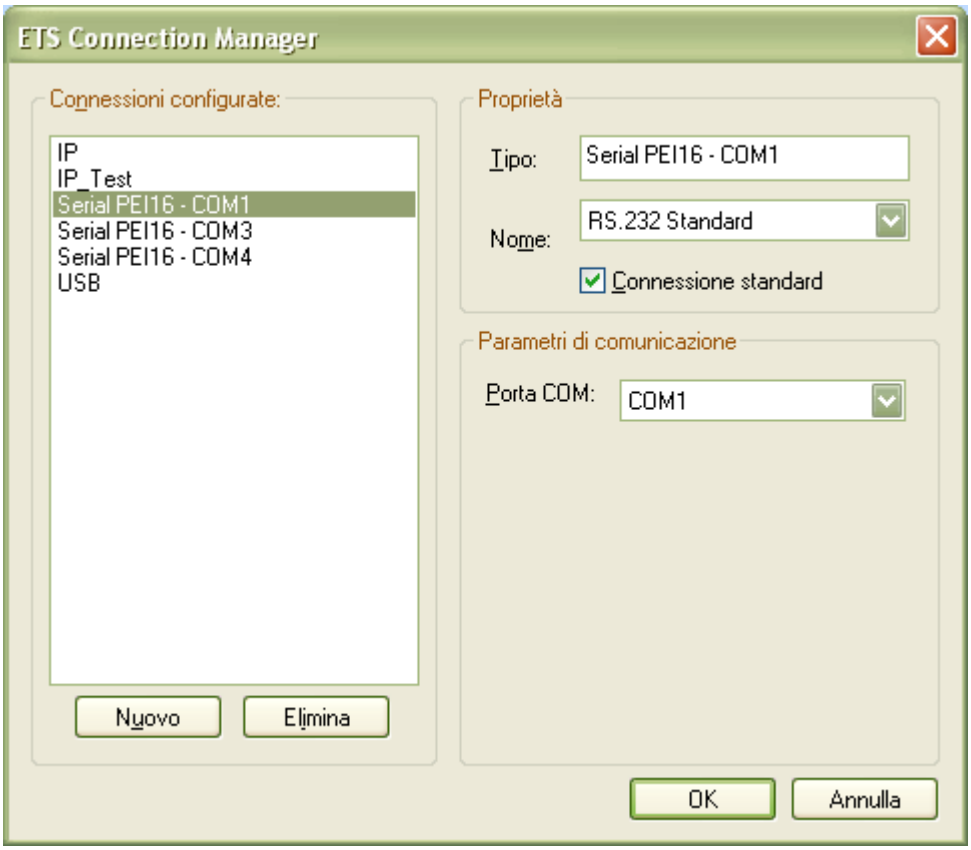
EMonitor is able to supervise not only local services, four editable groups *Database*, *EService*, *EGest* and *EKnx* allow you to configure if the service runs locally or on a remote machine.
In this second case IP address or machine name is required.



Note Remember to confirm your choice pushing the *OK* button in Save menu.

KNX interface

KNX interface is configured by pushing the *Configure* button.
Falcon configuration form is showed



It's important to notice that **EKnx** service take control of the selected interface exclusively.
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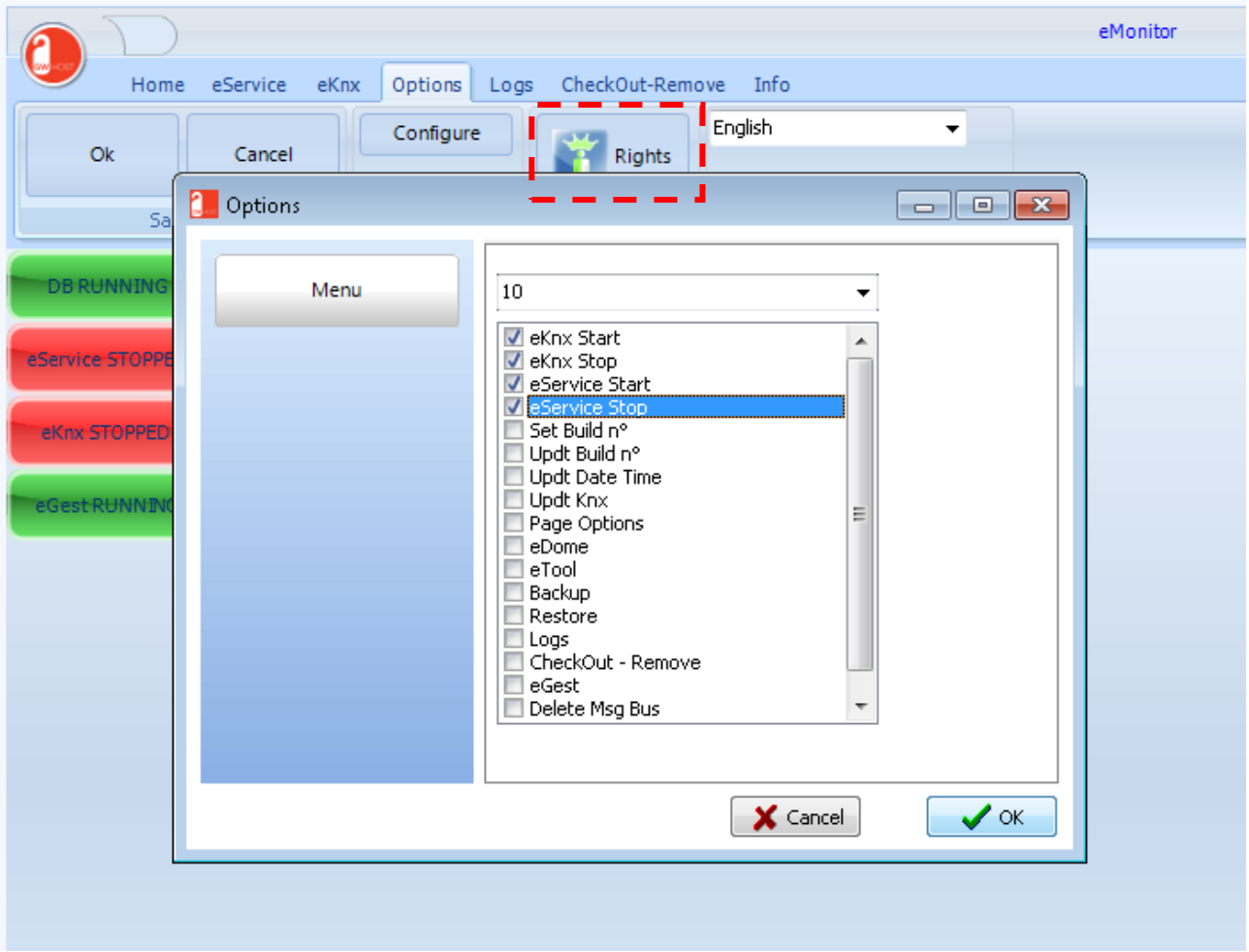
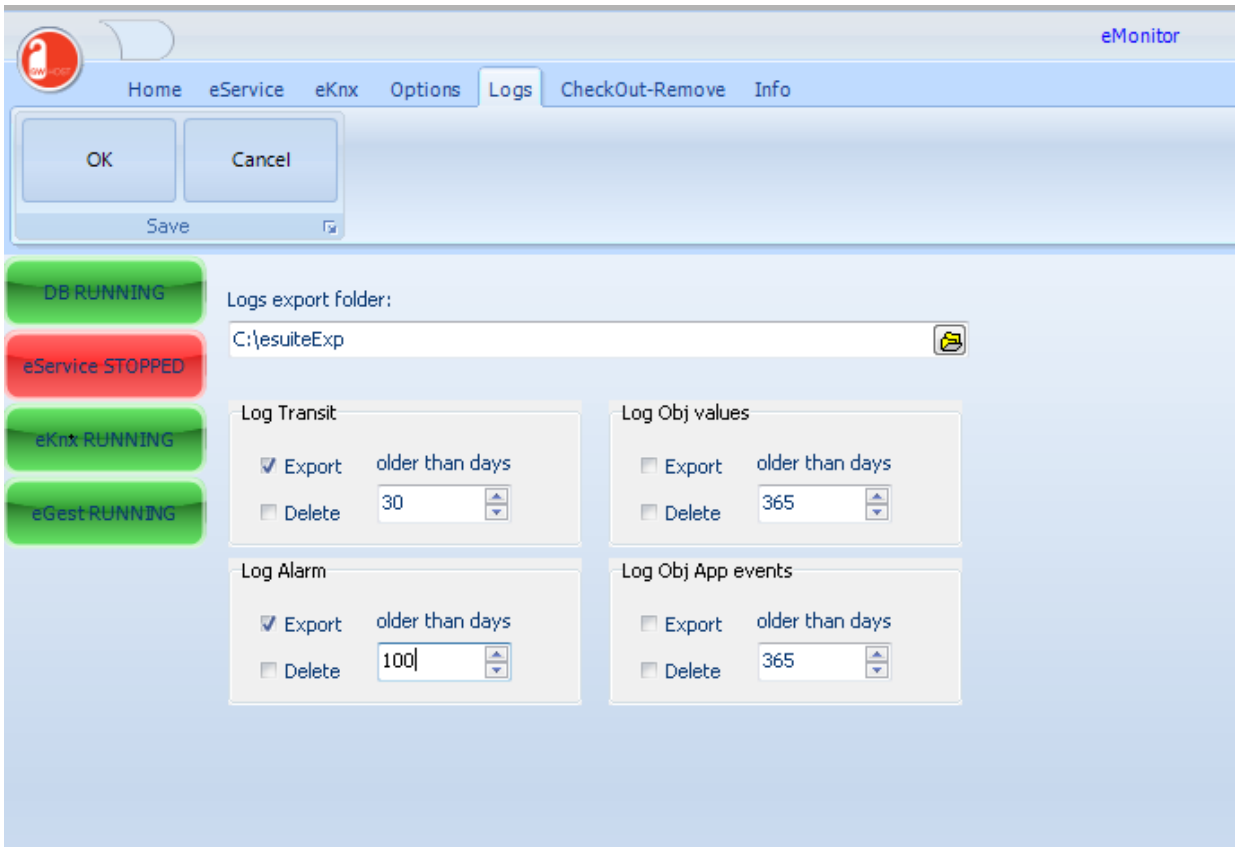
Rights



In the **EMonitor** module, you can define the rights for users. Rights are defined by levels, so for each level you can check what is enabled or not.

Logs

A new feature introduced in **GWHOST** was the ability to automatically export and delete logs.

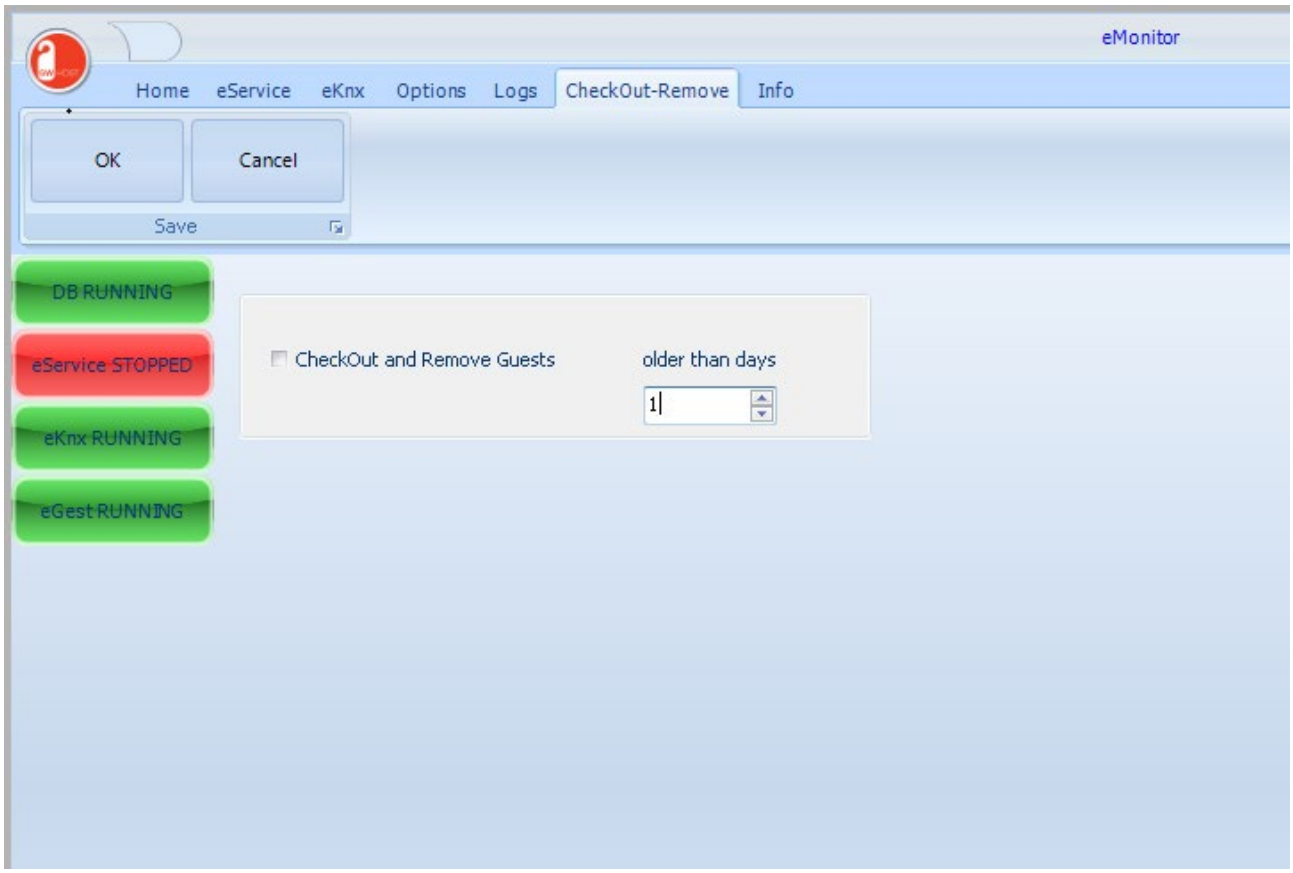


Only recordings older than x days, as set in their respective fields, will be exported. If logs must be deleted too, exporting is required.

Note Remember to confirm your choice pushing the *OK* button in Save menu.

CheckOut-Remove

CheckOut-Remove option enables the system to automatically checkout and remove guest from the system.



The system perform checkout and remove for Guest whose card expired “older than days” days.

Note Remember to confirm your choice pushing the *OK* button in Save menu.

EService

EService is the module that run low level tasks of **GWHOST**.

After installing **GWHOST**, **eService** appear in services list of Service Administration tool. It's installed with automatic startup option, so no login to system is required to turn on the service.

Funzioni

EService tasks includes license check, timers events, automated system operations, etc.

EKnx

EKnx is the module that maintain the link between KNX bus and PC System.

After installing **GWHOST**, **eKnx** appear in services list of Service Administration tool. It's installed with automatic startup option, so no login to system is required to turn on the service.

Functions

Main requirement for the operation of **EKnx** is the installation of Falcon Runtime Library, and a valid **GWHOST** key license plugged into system.

If no license key is present, communication between PC and bus stops after 15 minutes.Stop **EKnx** and reset Falcon is required to start a new KNX communication session.

ETool

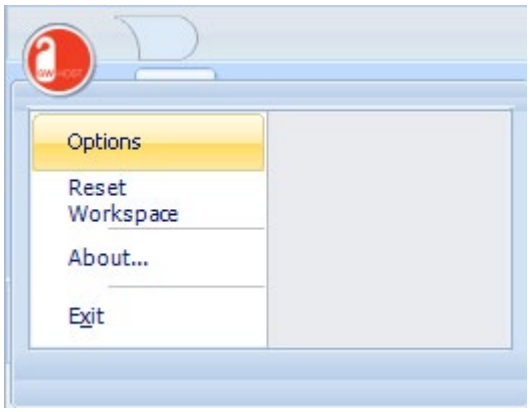
Function

ETool is the module to design your supervision and control access system.
ETool is not thought to interact with the end user customer, but is an important and needful tool for the installer.

Configuration

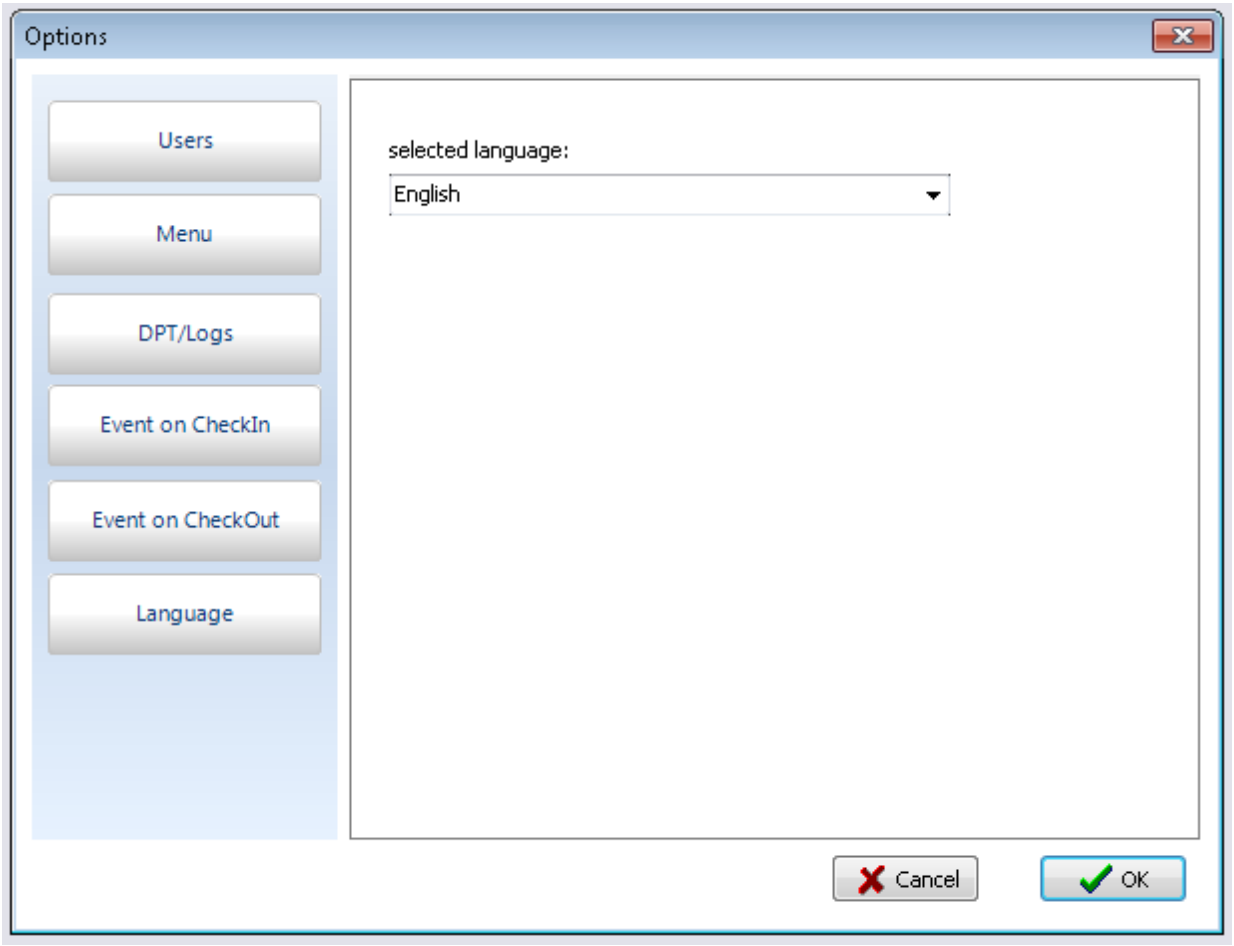
General Options

Access to general options using the ETool button.

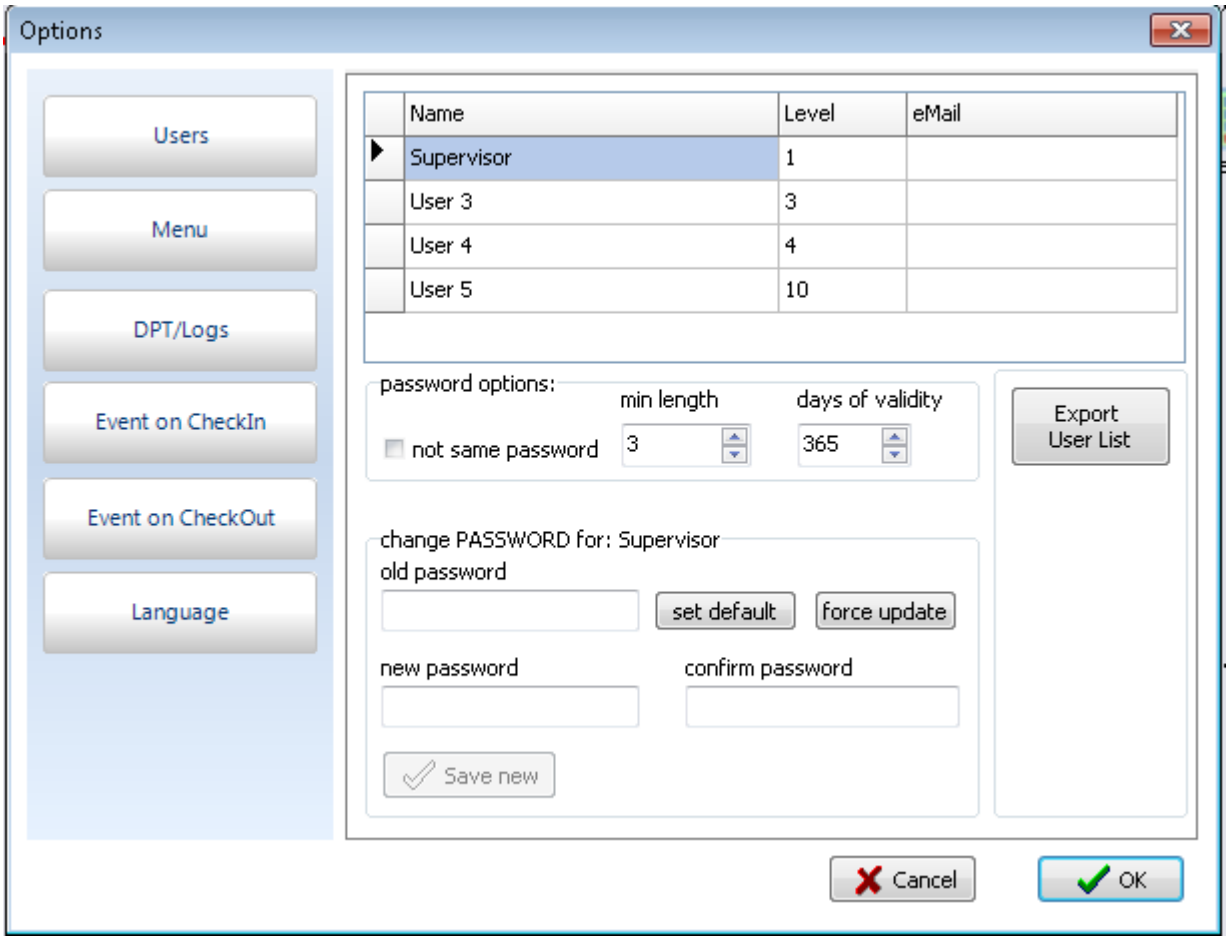


Language

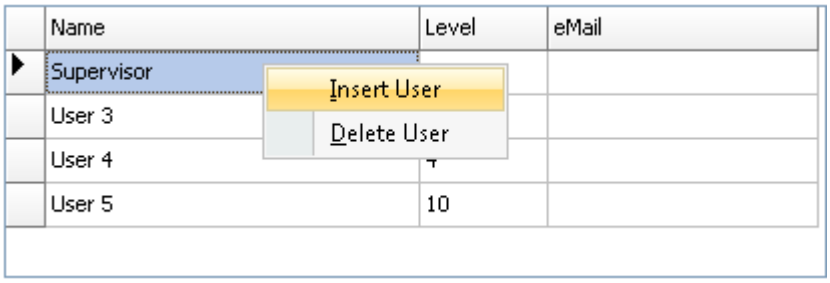
It’s possible choose between english or italian language.



Users

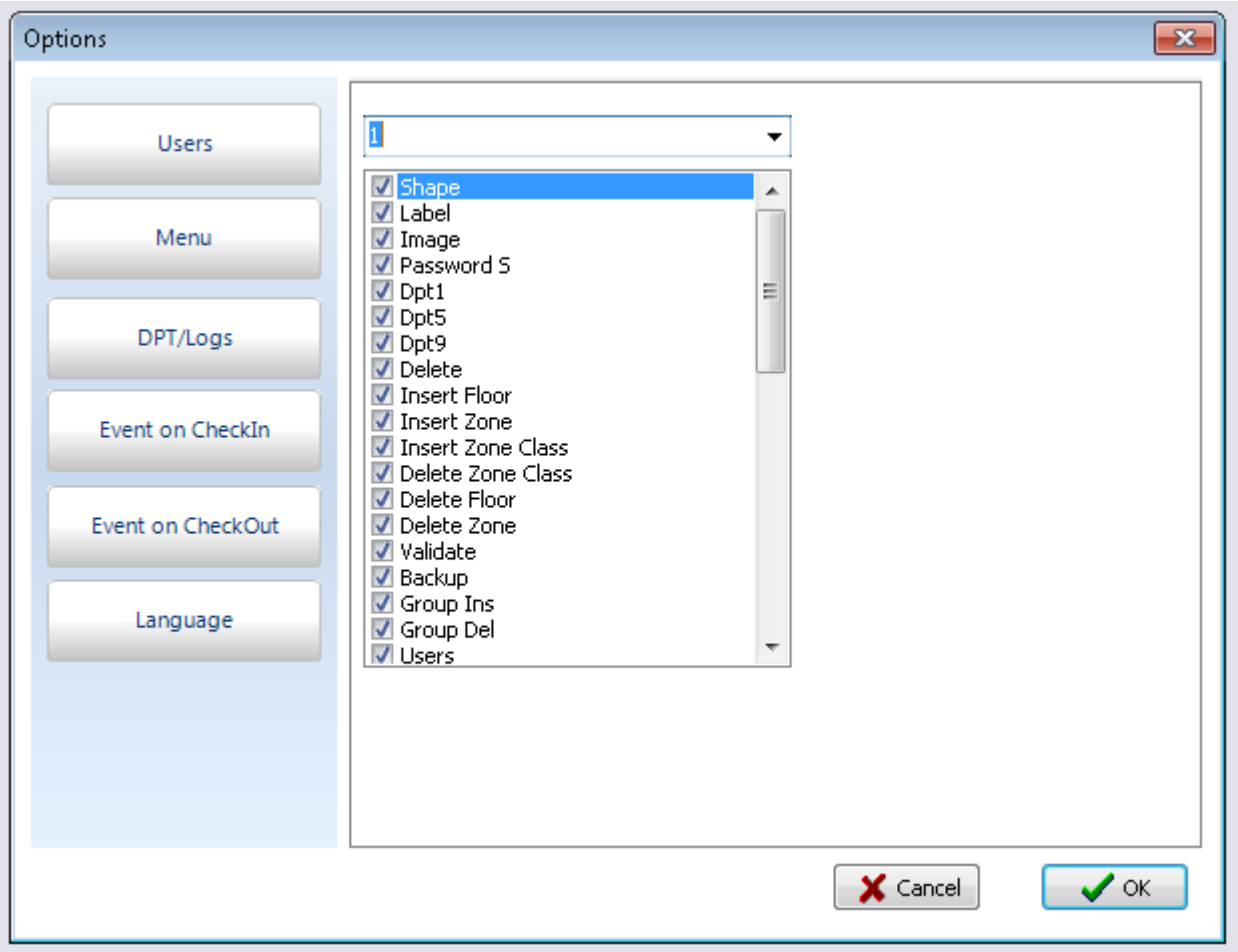


Right click with mouse over the User *grid* to Insert a new row or to delete the selected User.



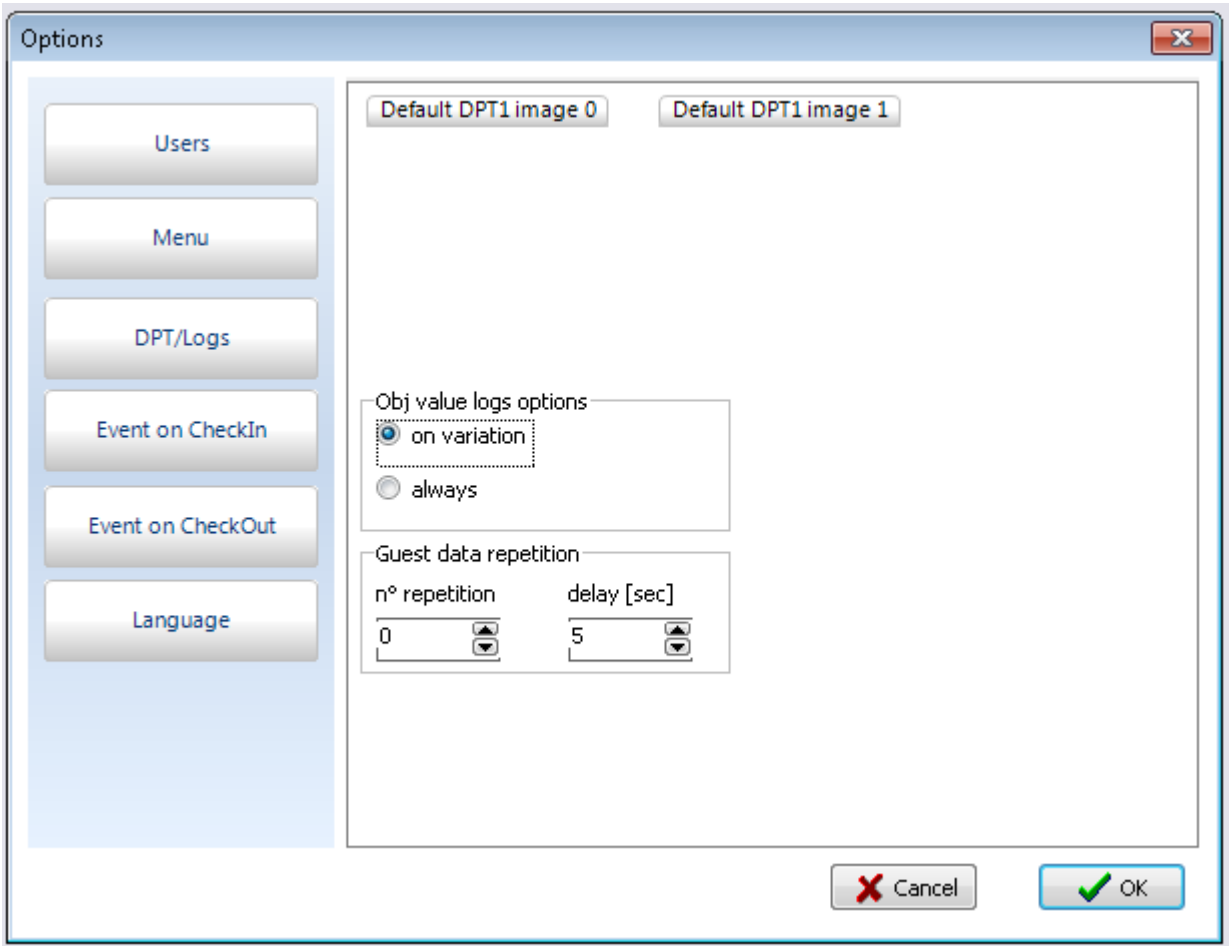
The password for newly created user is **"password"**
Each *User* is referred to a *Level* , deleting a *User* does not change the associated level profile.

Menu



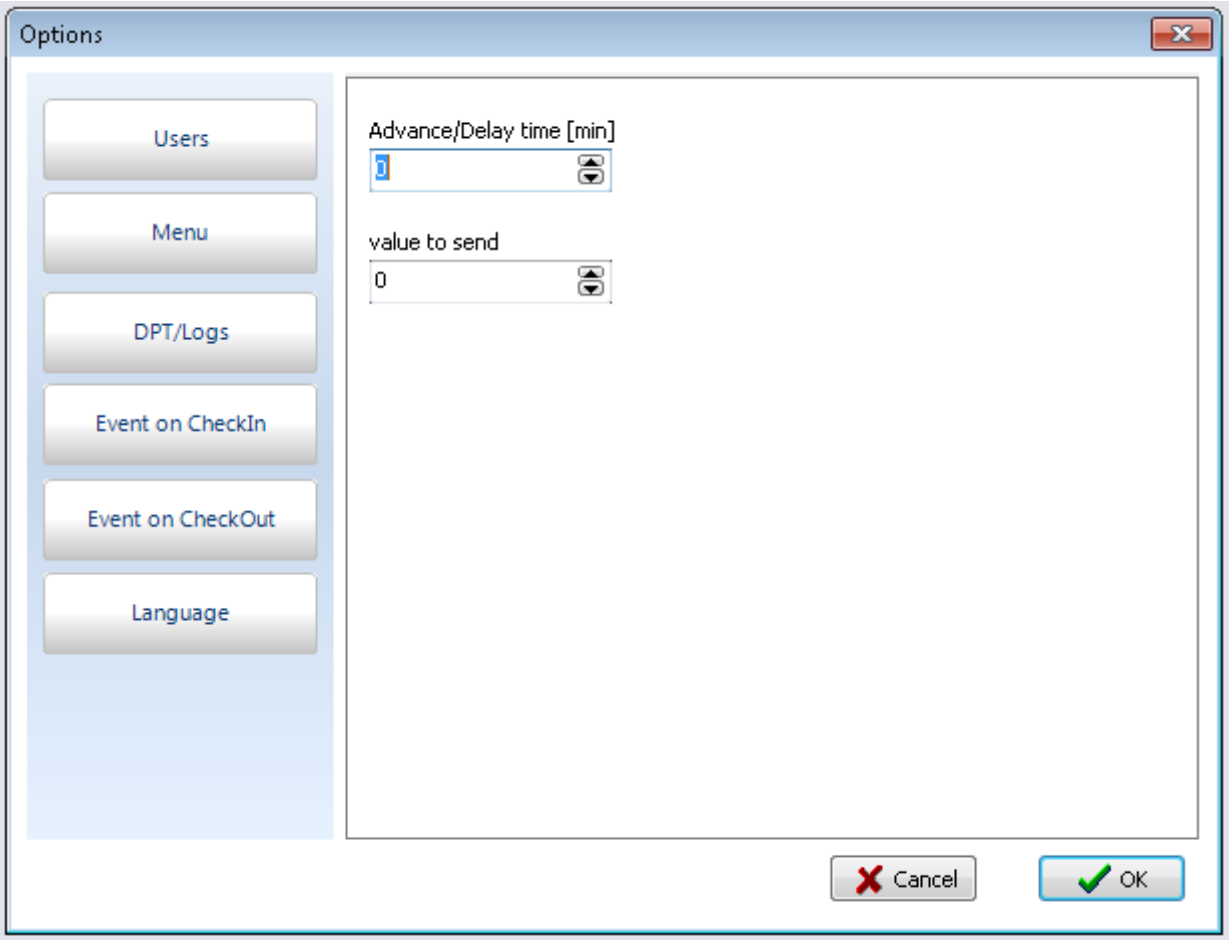
In the Menu tab you can assign the operations allowed for each of the 10 levels that can be set..

DPT



Here are defined the default images for 0 and 1 status of any new created DPT1 object.

Event on CheckIn

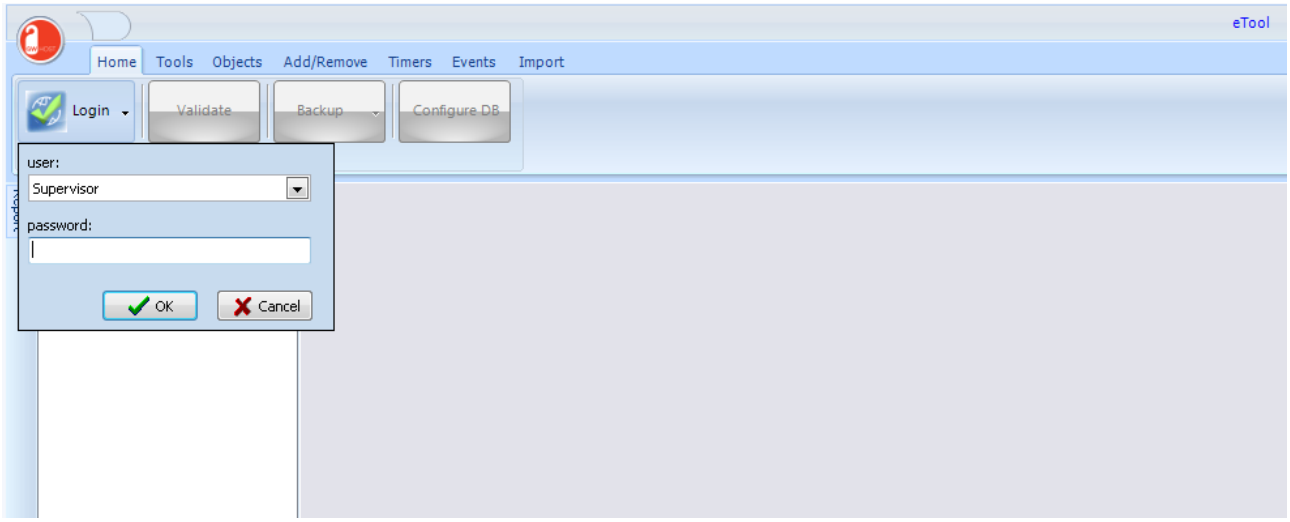


Advance/Delay time fix how many minutes before or after the checkin event message will be forwarded to the bus.
Value to send define if a 0 or 1 is send with message.

Operating mode

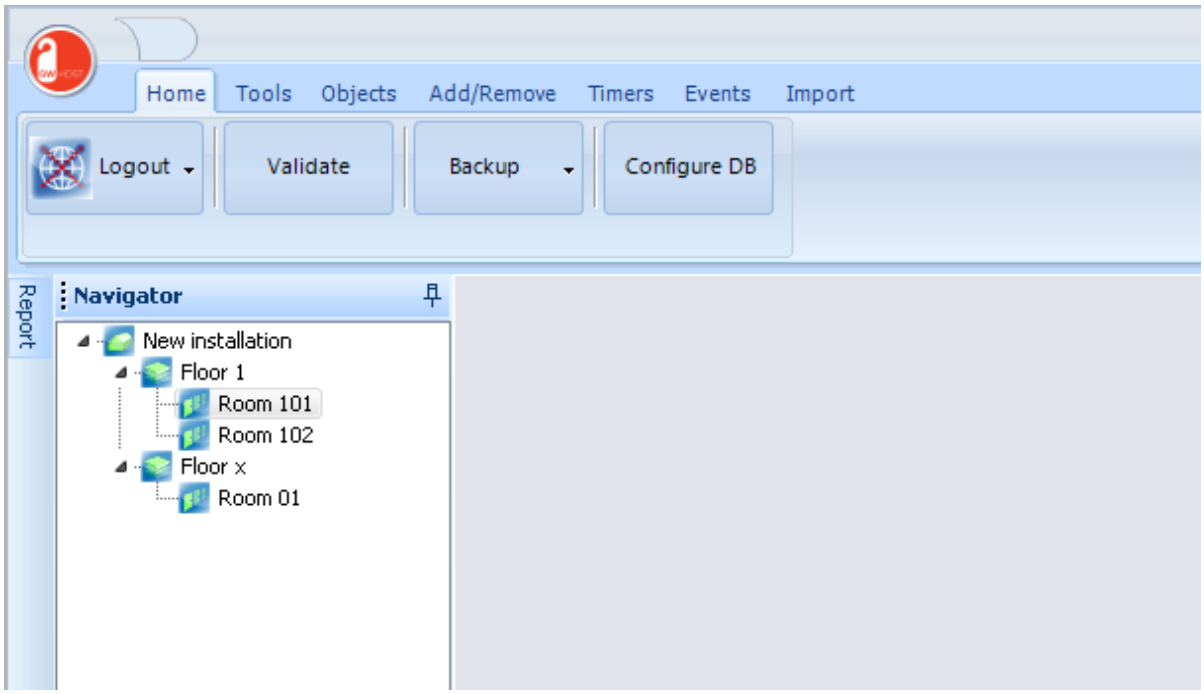
Lunch **ETool** and log in as Supervisor, default password for all automatic created users is *password*

Keyboard shortcut to login is CTRL+L

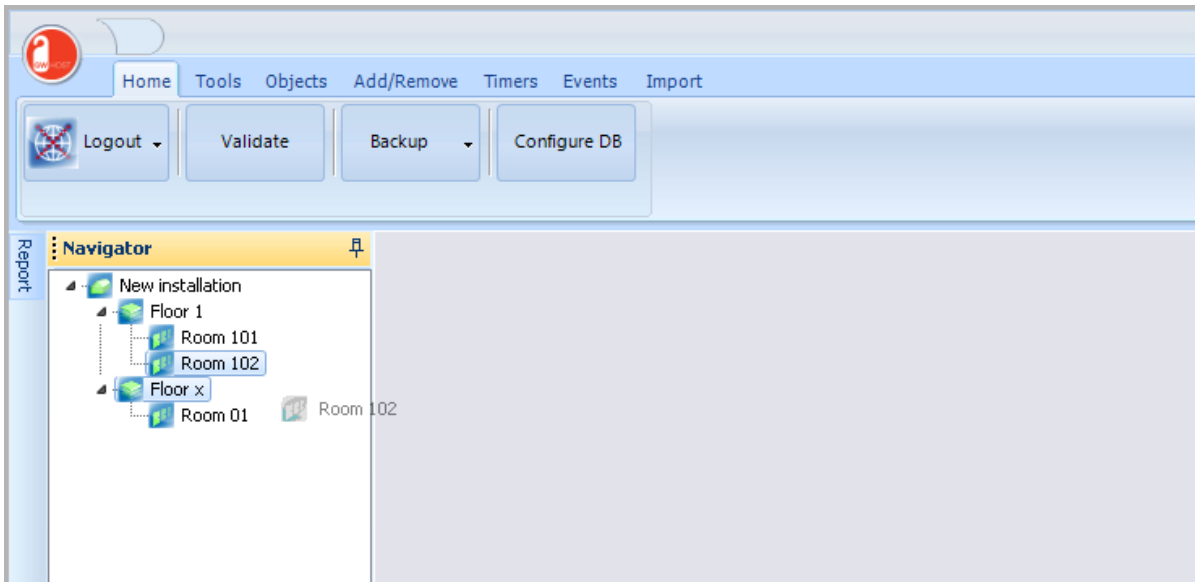


Navigator panel

After login on the left side of the form, the *Navigator* panel shows the structure of the project;

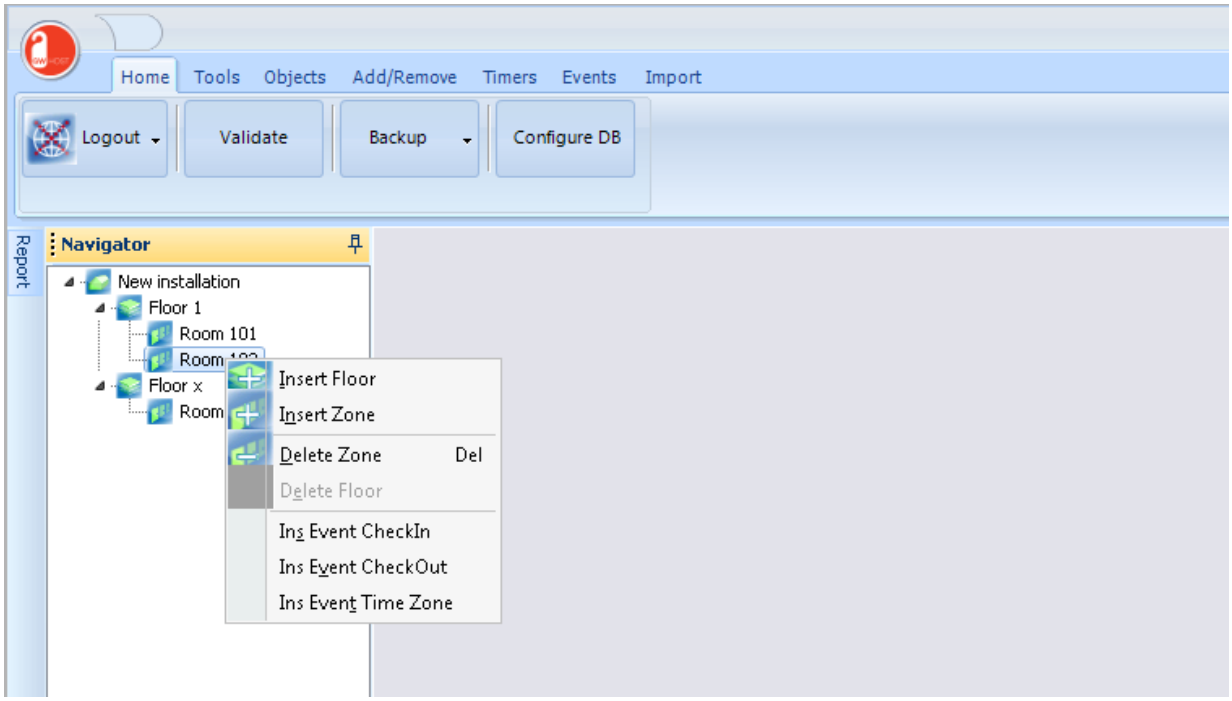


The sample project created during the installation of **GWHOST**, consist of one floor with two rooms.
Clicking with mouse on objects, on the right side of the main form, properties of selected object are automatically loaded.
Using the mouse it's possible to move zones between floors using drag&drop function .



In the above example *Room 102* is moving from *Floor 1* to *New Floor*.

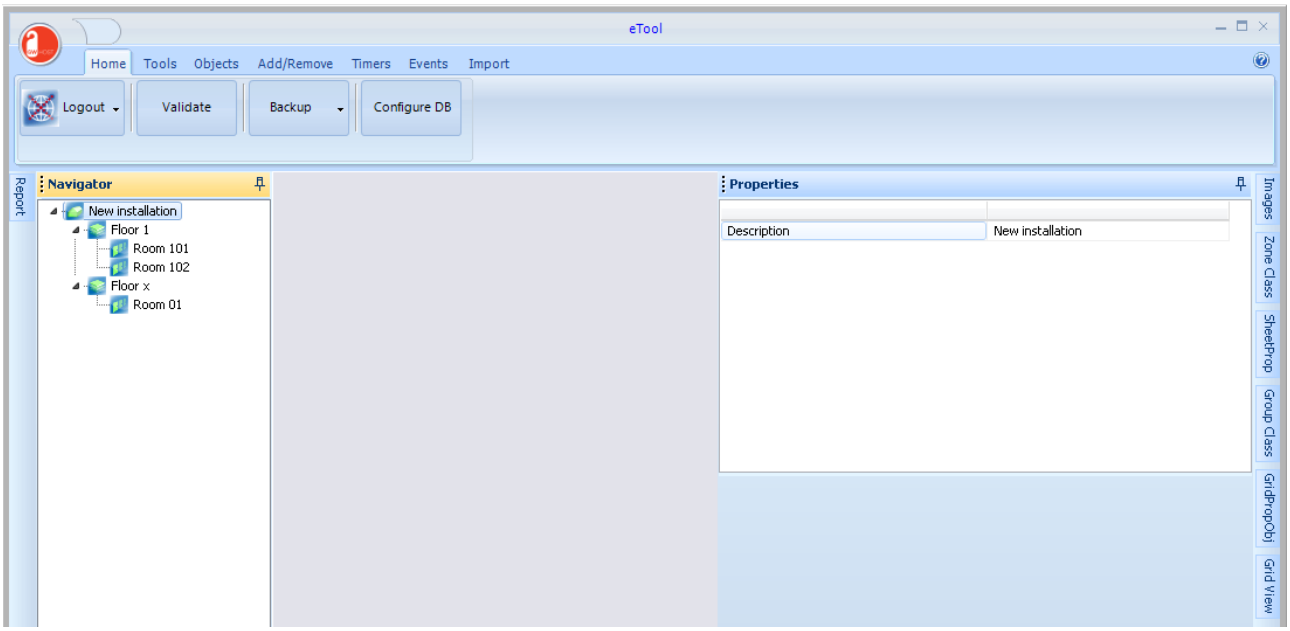
The context menu give you more possibility to Insert or remove zones and floor



Properties panel

On the right side of the form, Properties panel is visible.
List of properties changes according to selected object

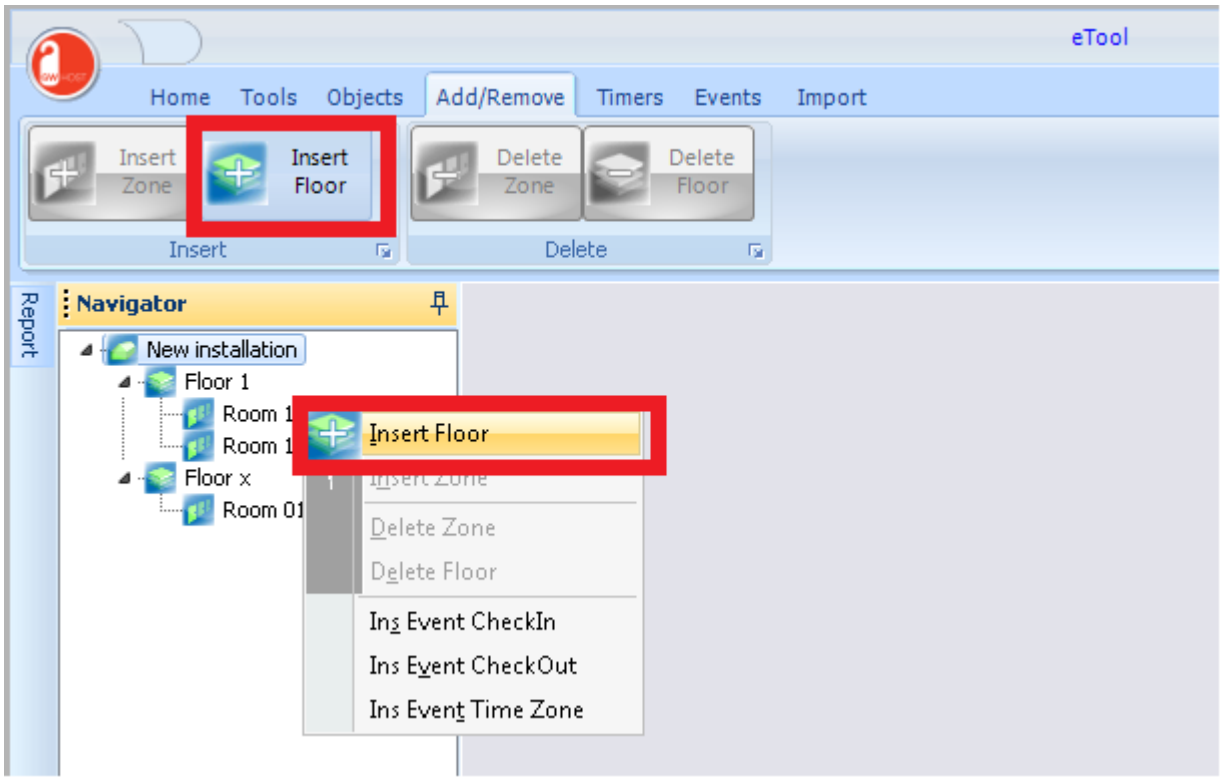
Installation/Building properties



Descrizione

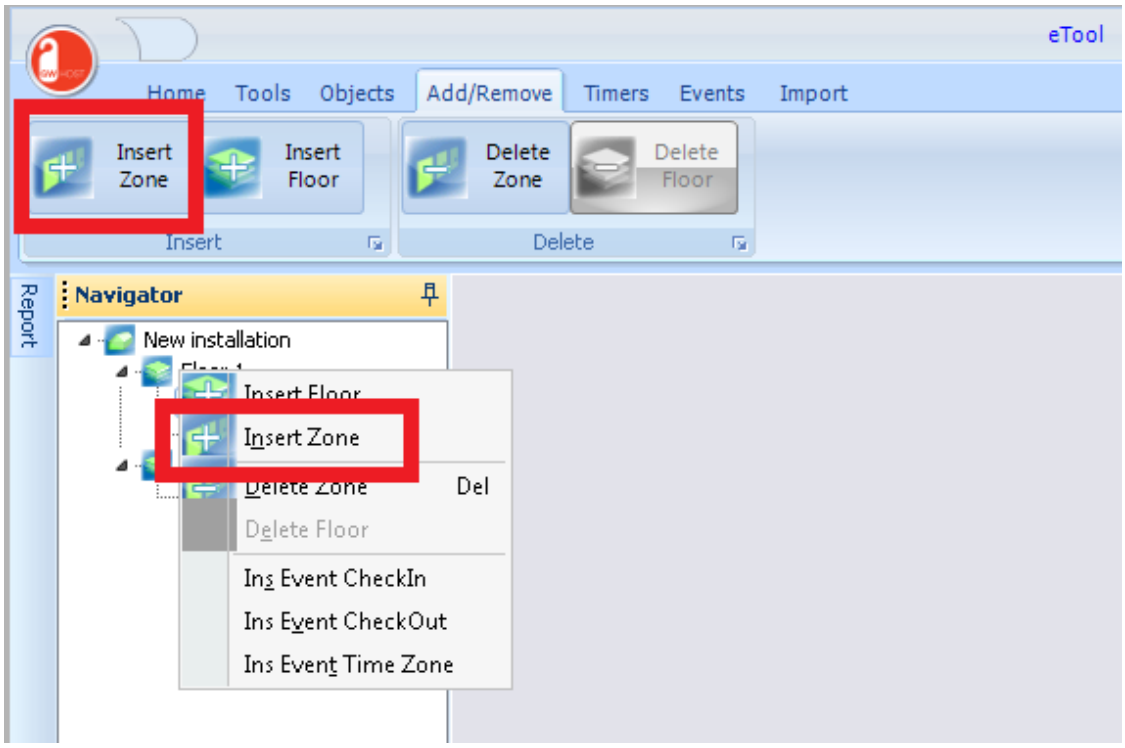
Define the name of the buiding/installation

Add a floor

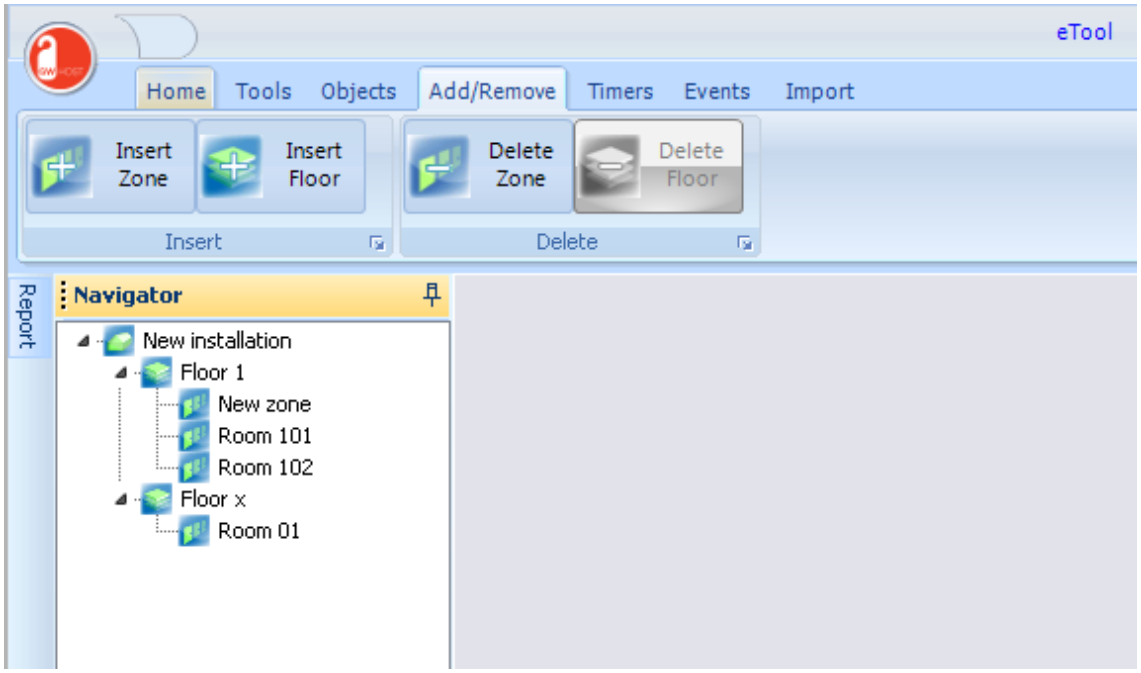


A new floor can be added using the *Navigator* contextual menu, or *Insert Floor* button in the *Add/Remove* panel.
The new floor is added with the standard *Description* **New Floor** and the system automatically creates a zone of the newly created floor.
The newly created zone is named **New Zone**

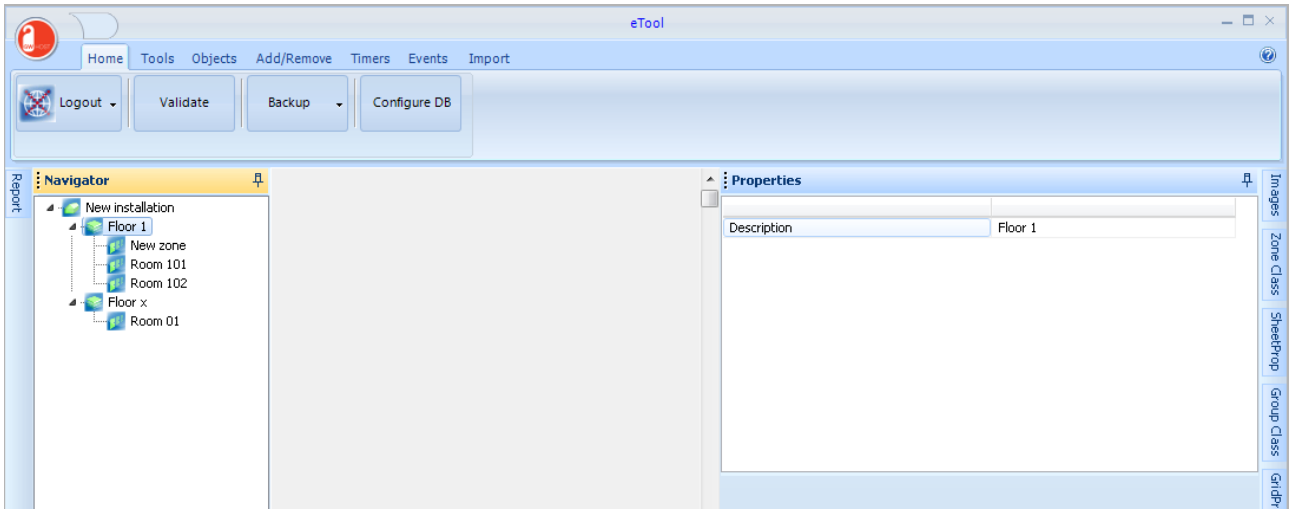
Add a zone



A new zone can be added using the *Navigator* contextual menu, or *Insert Zone* button in the *Add/Remove* panel.
The new zone is added with the standard *Description* **New Zone**
The newly created zone is named **New Zone**



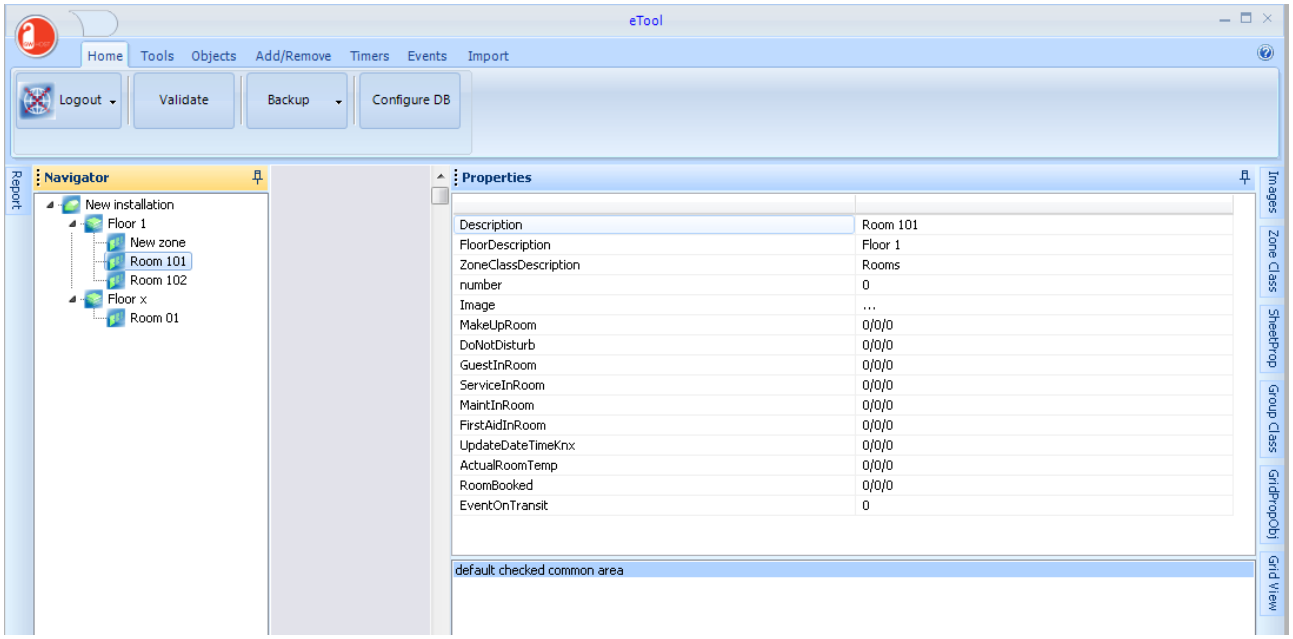
Floor properties



Description

Define the name of the Floor.

Zone properties



Description
Define the name of the Zone

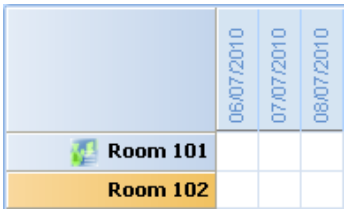
FloorDescription
Floor related to the zone

ZoneClassDescription
ZoneClass related to the zone (see ZoneClass property)

Number
it's a integer value to link ESuite system with other PMS systems, default value is 0, should not be two equal number ID

Image
Background image

MakeRoom
It's the CO to manage make up room procedures, is chosen from one of the DPT1 object present in the zone.
It's a DPT1 object,
1 means room need/request to be cleaned
0 means room cleaned or resetted

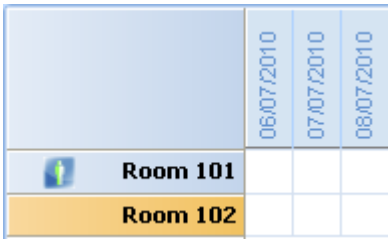


Comfort

It's the CO used to set the room in comfort mode, the command is given by PMS system, is chosen from one of the DPT1 object present in the zone.

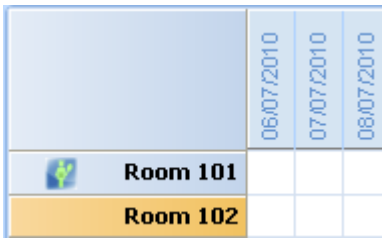
GuestInRoom

It's the CO used to show the presence of the *Guest* in his room on the planner, is chosen from one of the DPT1 object present in the zone.



ServiceInRoom

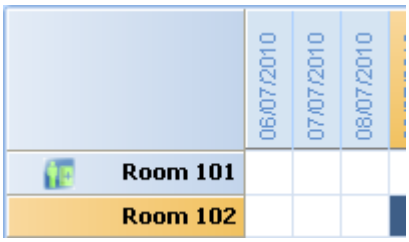
It's the CO used to show the presence of the *Service* in his room on the planner, is chosen from one of the DPT1 object present in the zone.



MaintInRoom

It's the CO used to show the presence of the *Maintenance* in his room on the planner, is chosen from one of the DPT1 object present in the zone.

FirstAidInRoom
It's the CO used to show the presence of the *First Aid Card* in his room on the planner, is chosen from one of the DPT1 object present in the zone.



UpdateDateTimeKnx
is chosen from one of the DPT1 object present in the zone; when the system receive a value 1 on this CO, re-sync Date and Time CO of the project with the PC system date and time.

ActualRoom Temp
identifies the address group used to show the current temperature in the room (grid view)

RoomBooked
each time a room have booked, this address group is sent to the Knx bus to inform third party software about the change. The address group with value 0 is sent after logging out.

EventOnCheckIn
is chosen from one of the DPT1 object present in the zone; during the checkin procedures, is generated a KNX message with selected address group and value according to EventOnCheckIn options.

Objects

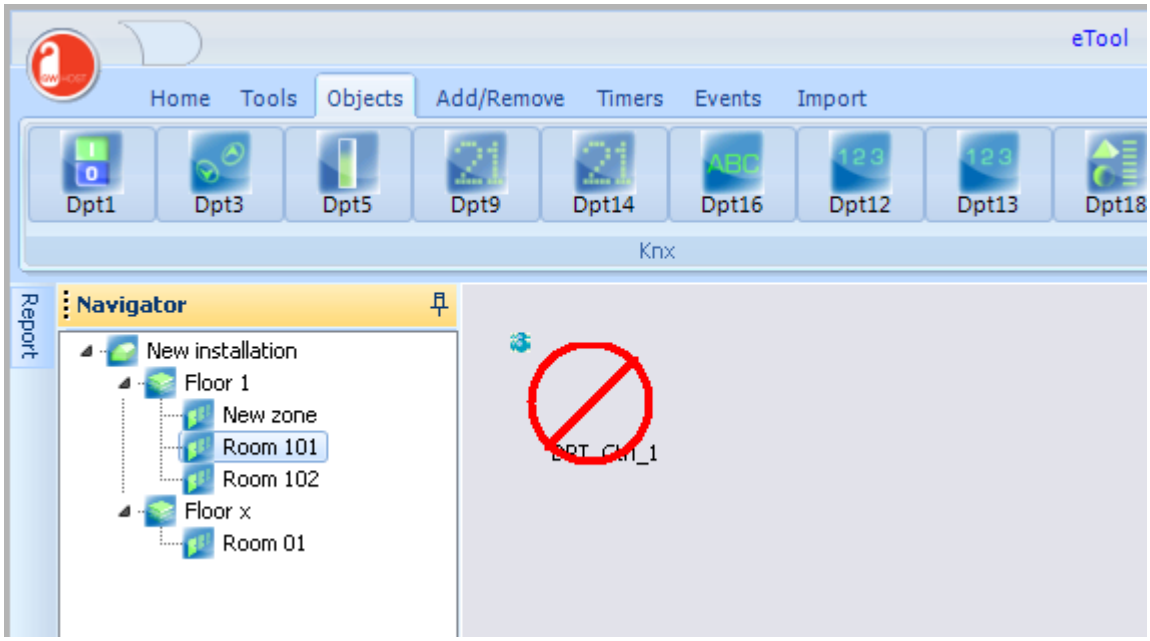
Objects means graphical controls that can be positioned in pages/zones.
Objects are divided into *KNX* controls, *Access* controls, and *Graphics* controls.

KNX controls

DPT1

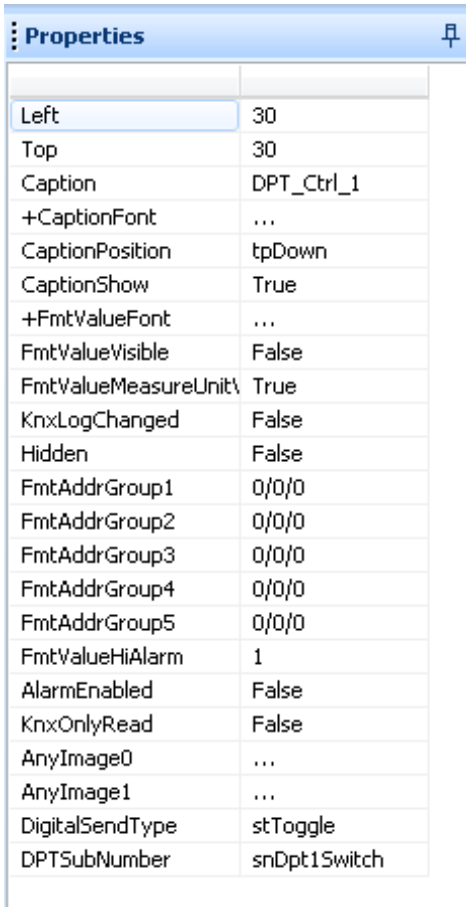
This control is used for Data Type “Boolean”

Clicking with the mouse on the button a new control is inserted into the current page/zone.



The control is created with the default set of icon as defined in Options (see page 27)
The symbol ban remain until a valid *Group Address* is set (0/0/0 is consider as invalid group address)

DPT1 properties

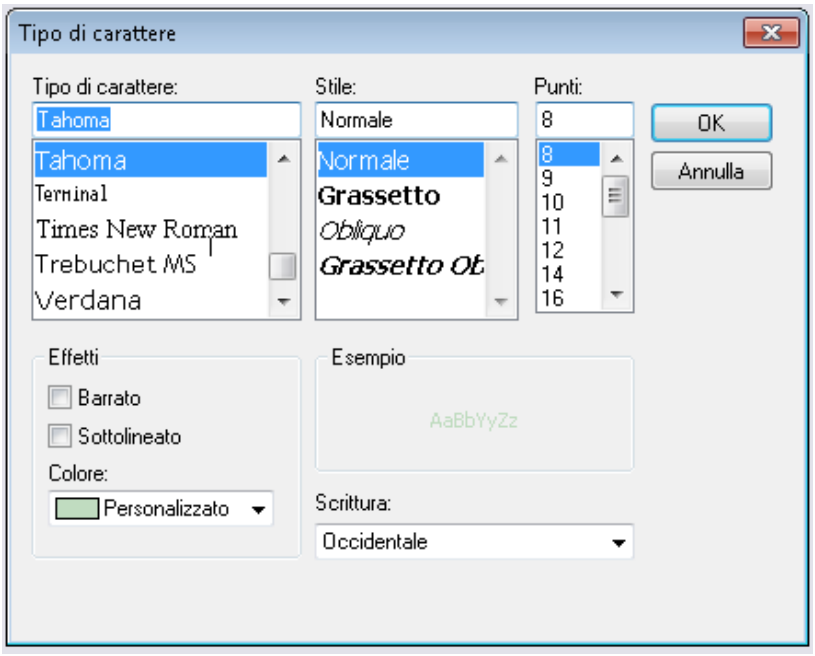


Left
The horizontal position of the control expressed in pixel.

Top
The vertical position of the control expressed in pixel.

Caption
Description of the object

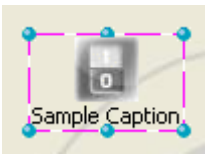
CaptionFont
Double click on cell to select the font to assign to *Caption* among the system fonts. System “Character type” form is used for selection.



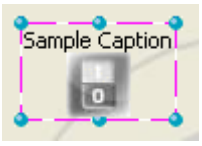
Caption Position

Can be chosen from 4 options:

- tpDown



- tpUp



- tpLeft

- tpRight

FmtValueFont
Double click on cell to select the font to assign to *Formatted value* among the system fonts.

FmtValueVisible
Can be True or False. If True, shows the formatted value of the controls (according with the DPTSubNumber property)

KnxLogChanged
Can be True or False. If True every time the value of the control change, a record is saved into *Logs Obj Value* table (see page 104).

FmtAddrGroup1..5
Up to five knx group addresses can be defined for each control.
First Group Address can be sent on the bus (read and write operations), the other four are used to update the status (read only)

FmtValueHiAlarm
Define the alarm status for the selected control. For DPT1 can be 0 or 1.

AlarmEnabled
Can be True or False. If True every time a alarm status is reached a record is saved into Logs alarm table and a popup form is prompted in supervision tool.

KnxOnlyRead
Può essere vero o falso. Se “vero” non è possibile inviare comandi sul bus KNX dal tool di supervisione.

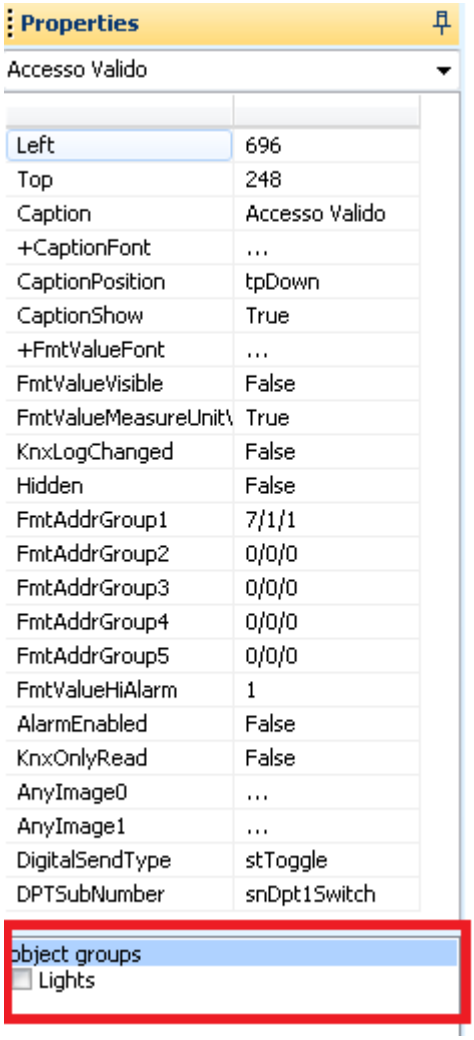
AnyImage0..1
Facendo doppio click su “…” è possibile selezionare le immagini da associare al controllo.
I formati delle immagini supportate sono gif, jpg, bmp, ico, animated gif.

DigitalSendType

Define the value to send as KNX command by the supervision tool.
Can be:

- stTogle
- stSend_one
- stSend_zero

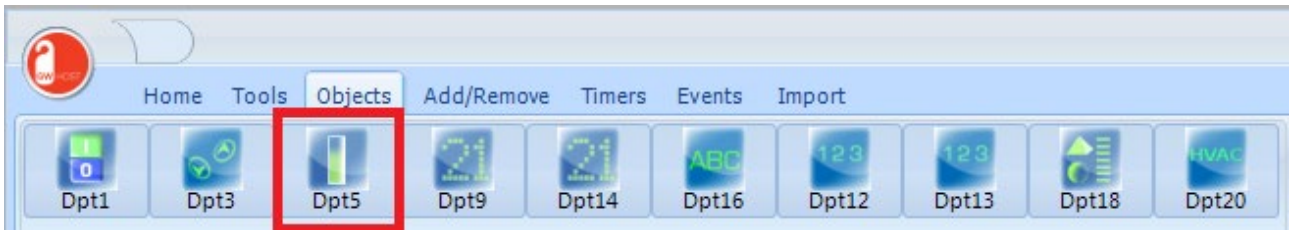
DPT Groups



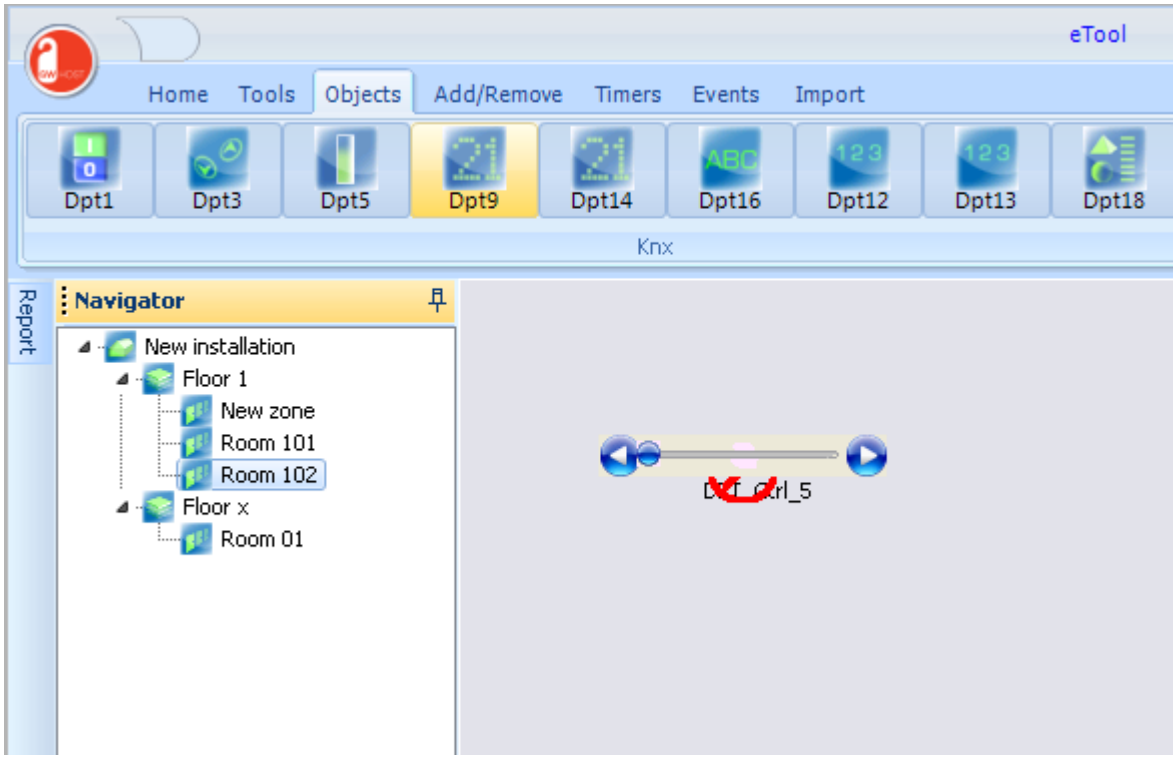
Checking the items it's possible to link the selected control with *Groups Class* (see page 80).

DPT5

This control is used for Data Type “8-bit Unsigned Value”

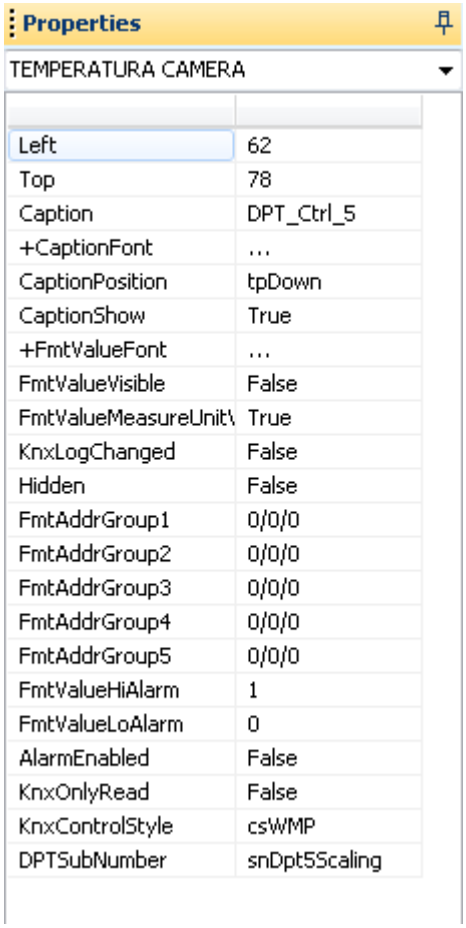


Clicking with the mouse on the button a new control is inserted into the current page/zone.



The control is created with the default *KnxControlStyle* property.
The symbol ban remain until a valid *Group Address* is set (0/0/0 is consider as invalid group address)

Properties DPT5



For common controls properties refer to DPT1 properties (see page 43)

FmtValueHiAlarm

Define the alarm status for the selected control. For DPT5 set the upper limit above which the alarm event is triggered

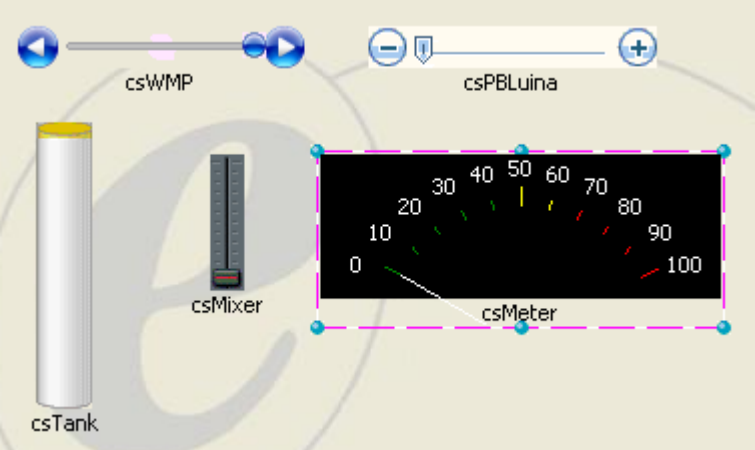
FmtValueLoAlarm

Define the alarm status for the selected control. For DPT5 set the lower limit beyond which the alarm event is triggered

KnxControlStyle

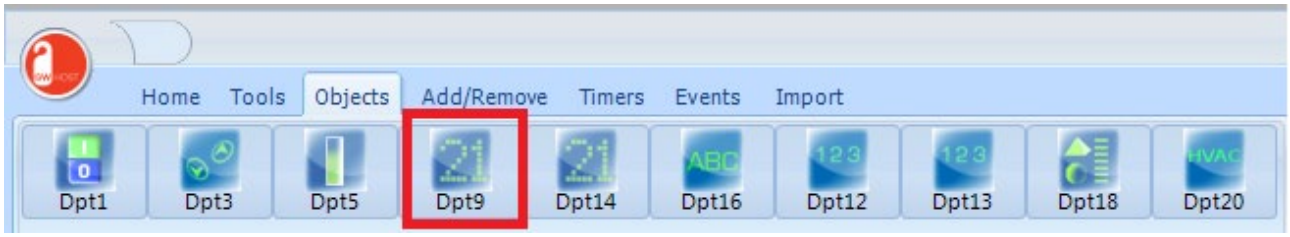
Define the graphical aspect of the control.
Can be:

- csWMP
- csPBLuna
- csTank
- csMixer
- csMeter

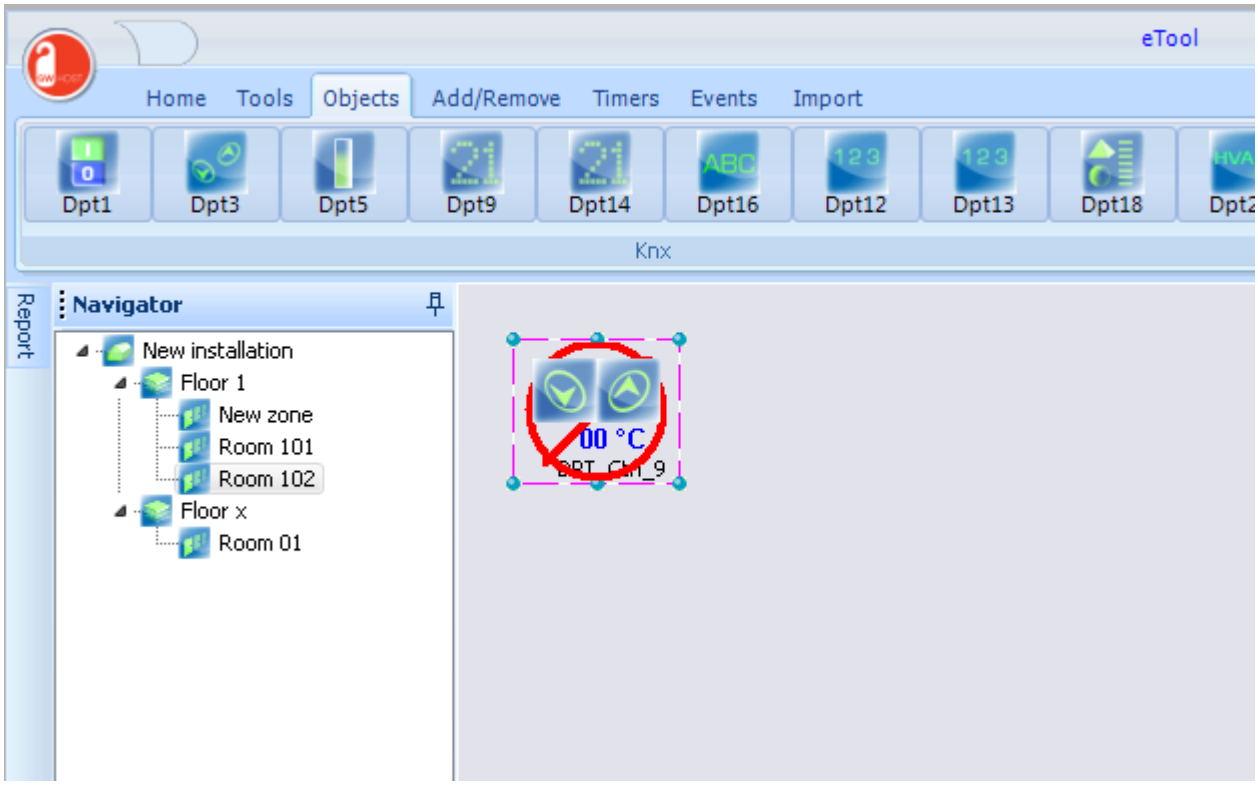


DPT9

This control is used for Data Type “2-Octet Float Value”

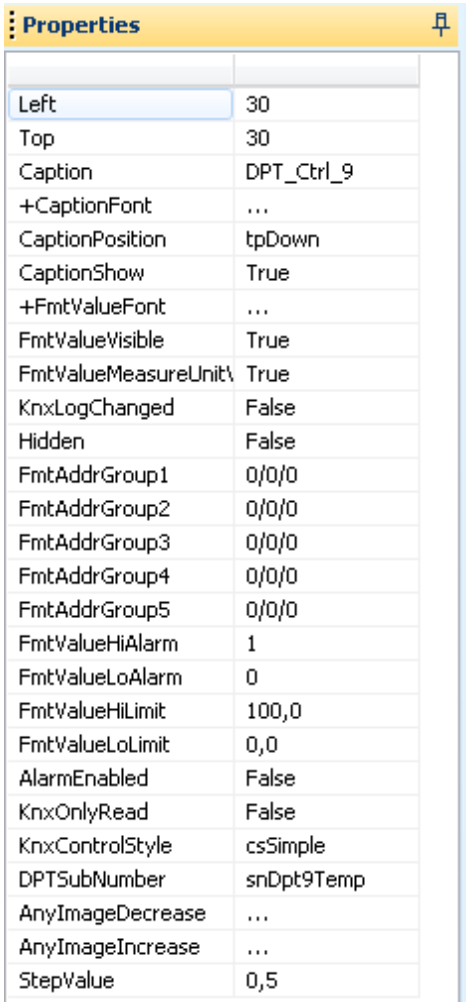


Clicking with the mouse on the button a new control is inserted into the current page/zone.



The control is created with the default *KnxControlStyle* property.
The symbol ban remain until a valid *Group Address* is set (0/0/0 is consider as invalid group address)

Properties DPT9



For common controls properties refer to DPT1 properties (see page 40)

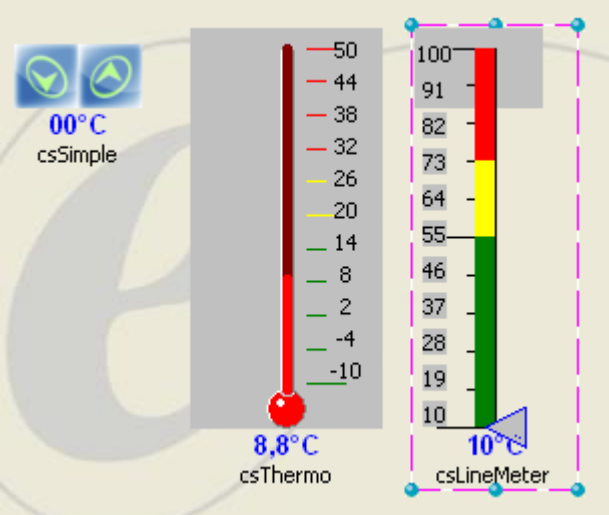
FmtValueHiLimit
Defines the maximum value set by the user and represented graphically.

FmtValueLoLimt
Defines the minim value set by the user and represented graphically.

KnxControlStyle

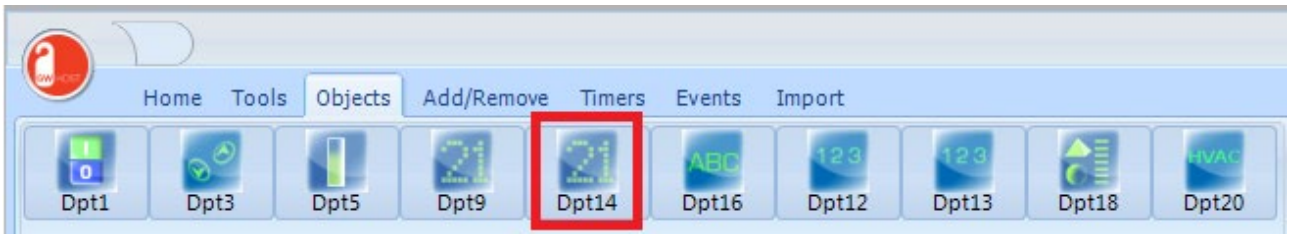
Define the graphical aspect of the control.
Can be:

- csSimple
- csThermo
- csLineMeter

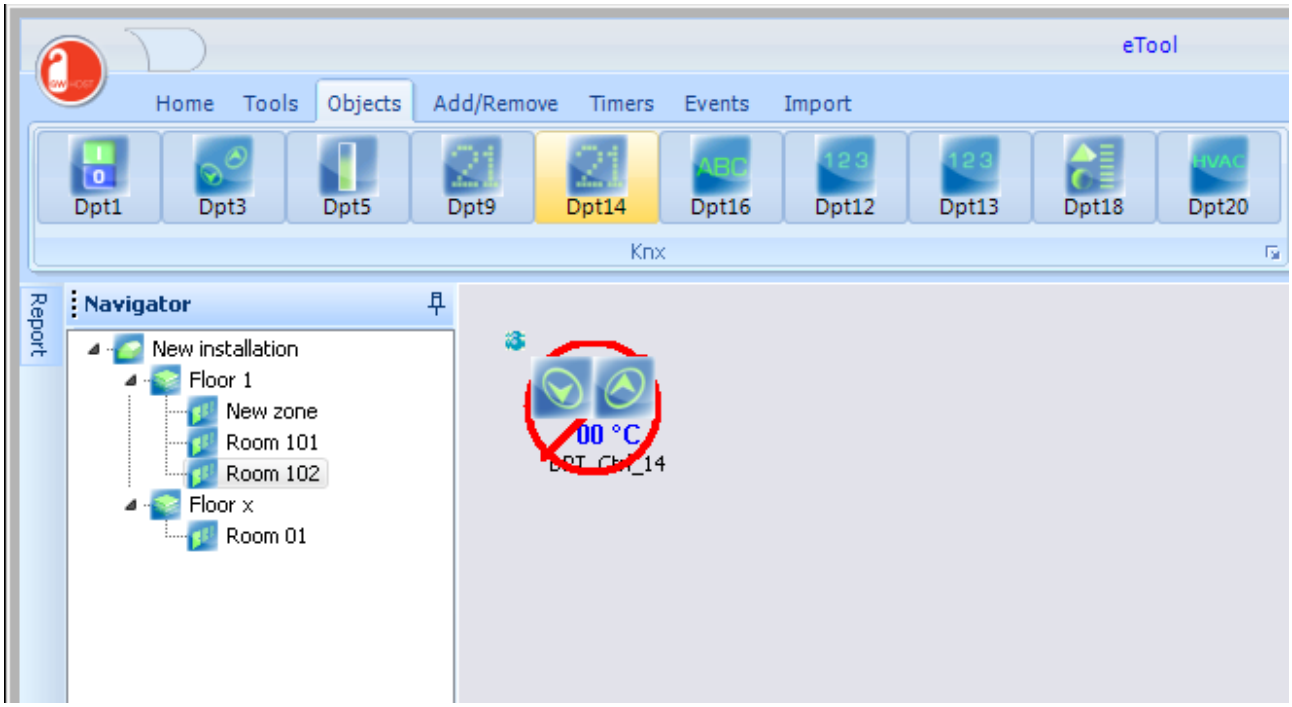


DPT14

This control is used for Data Type “4-Octet Float Value”

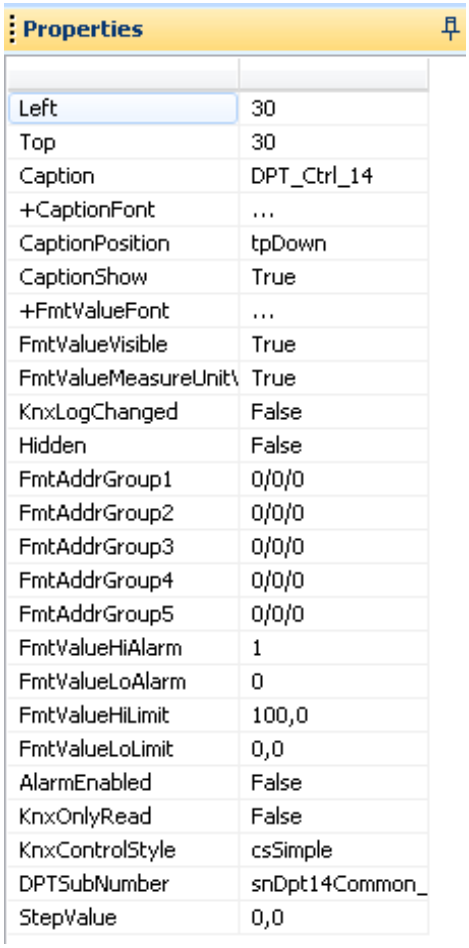


Clicking with the mouse on the button a new control is inserted into the current page/zone.



The control is created with the default *KnxControlStyle* property.
The symbol ban remain until a valid *Group Address* is set (0/0/0 is consider as invalid group address)

Properties DPT14



Left	30
Top	30
Caption	DPT_Ctrl_14
+CaptionFont	...
CaptionPosition	tpDown
CaptionShow	True
+FmtValueFont	...
FmtValueVisible	True
FmtValueMeasureUnit\	True
KnxLogChanged	False
Hidden	False
FmtAddrGroup1	0/0/0
FmtAddrGroup2	0/0/0
FmtAddrGroup3	0/0/0
FmtAddrGroup4	0/0/0
FmtAddrGroup5	0/0/0
FmtValueHiAlarm	1
FmtValueLoAlarm	0
FmtValueHiLimit	100,0
FmtValueLoLimit	0,0
AlarmEnabled	False
KnxOnlyRead	False
KnxControlStyle	csSimple
DPTSubNumber	snDpt14Common_
StepValue	0,0

For common controls properties refer to DPT1 properties (see page 40)

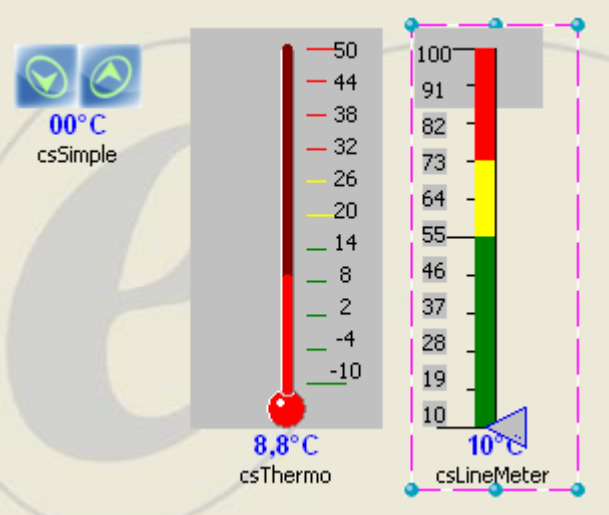
FmtValueHiLimit
Defines the maximum value set by the user and represented graphically.

FmtValueLoLimt
Defines the minium value set by the user and represented graphically.

KnxControlStyle

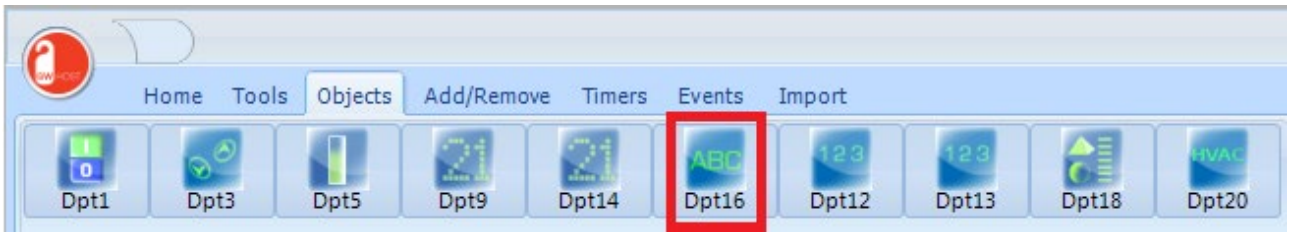
Define the graphical aspect of the control.
Can be:

- csSimple
- csThermo
- csLineMeter

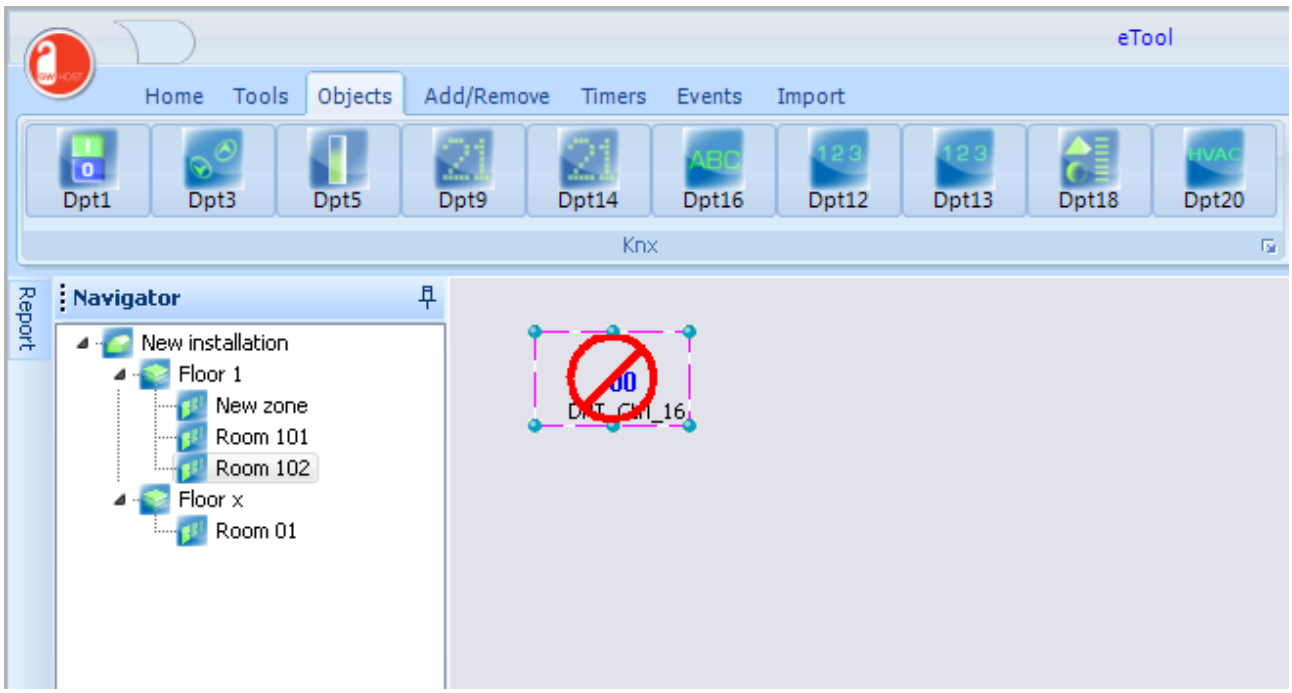


DPT16

This control is used for Data Type “String”

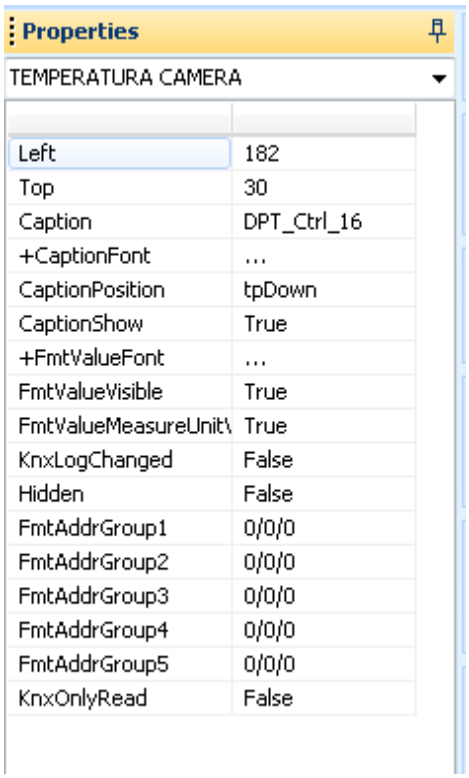


Clicking with the mouse on the button a new control is inserted into the current page/zone.



The symbol ban remain until a valid *Group Address* is set (0/0/0 is consider as invalid group address)

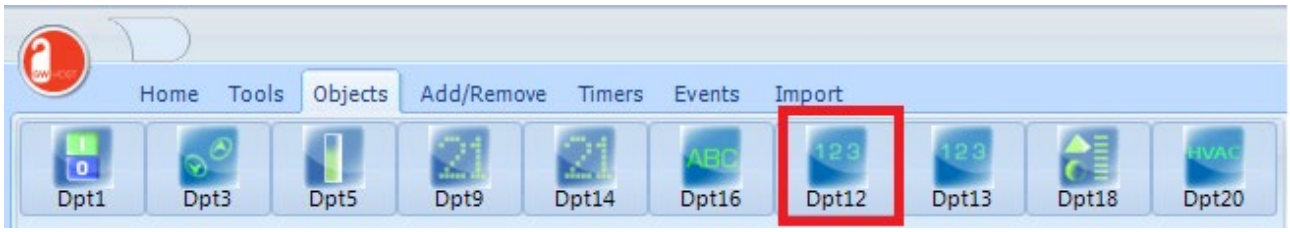
Properties DPT16



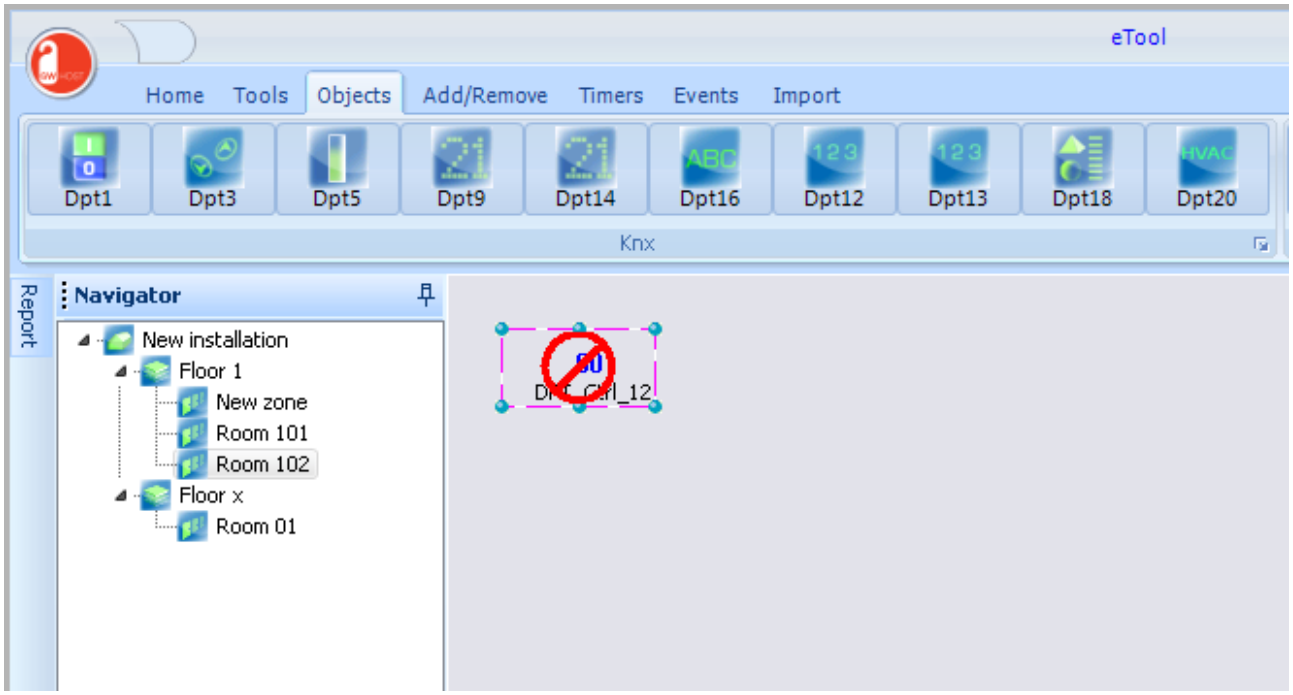
For common controls properties refer to DPT1 properties (see page 40)

DPT12

This control is used for Data Type “4-Octet Unsigned Value” as Counter pulses

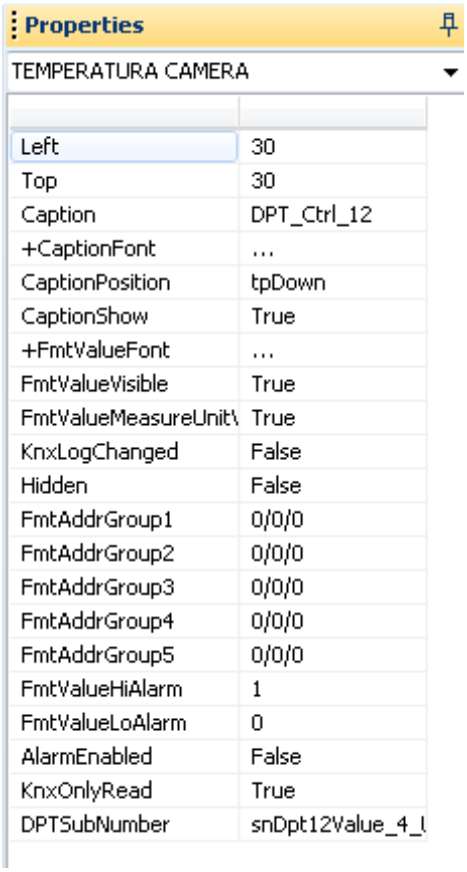


Clicking with the mouse on the button a new control is inserted into the current page/zone.



The symbol ban remain until a valid *Group Address* is set (0/0/0 is consider as invalid group address)

Properties DPT12

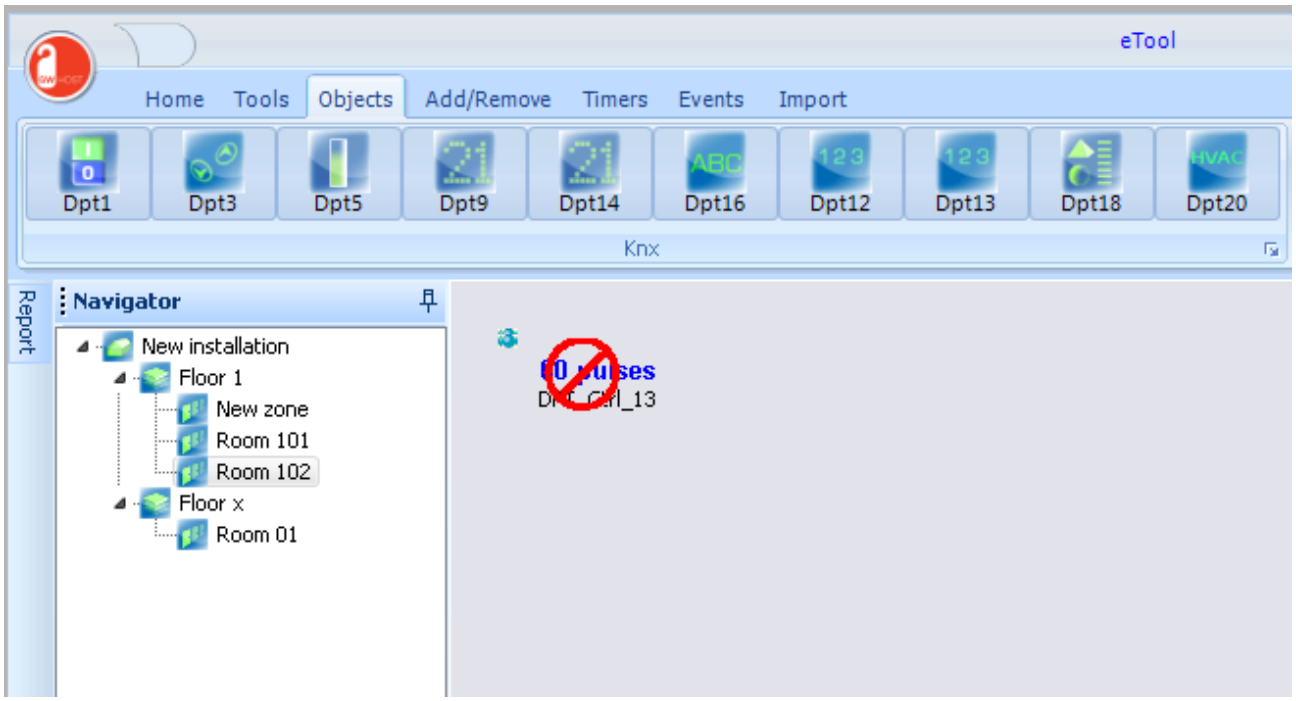


For common controls properties refer to DPT1 properties (see page 40)

DPT13

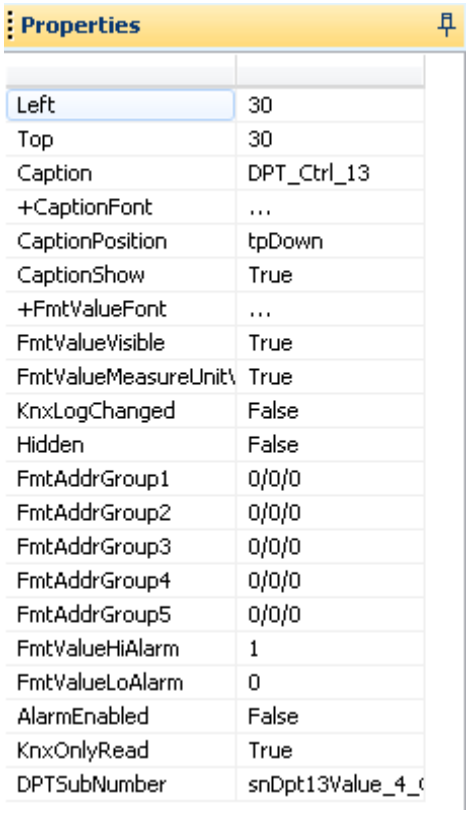
This control is used for Data Type “4-Octet Signed Value”

Clicking with the mouse on the button a new control is inserted into the current page/zone.



The symbol ban remain until a valid *Group Address* is set (0/0/0 is consider as invalid group address)

Properties DPT13

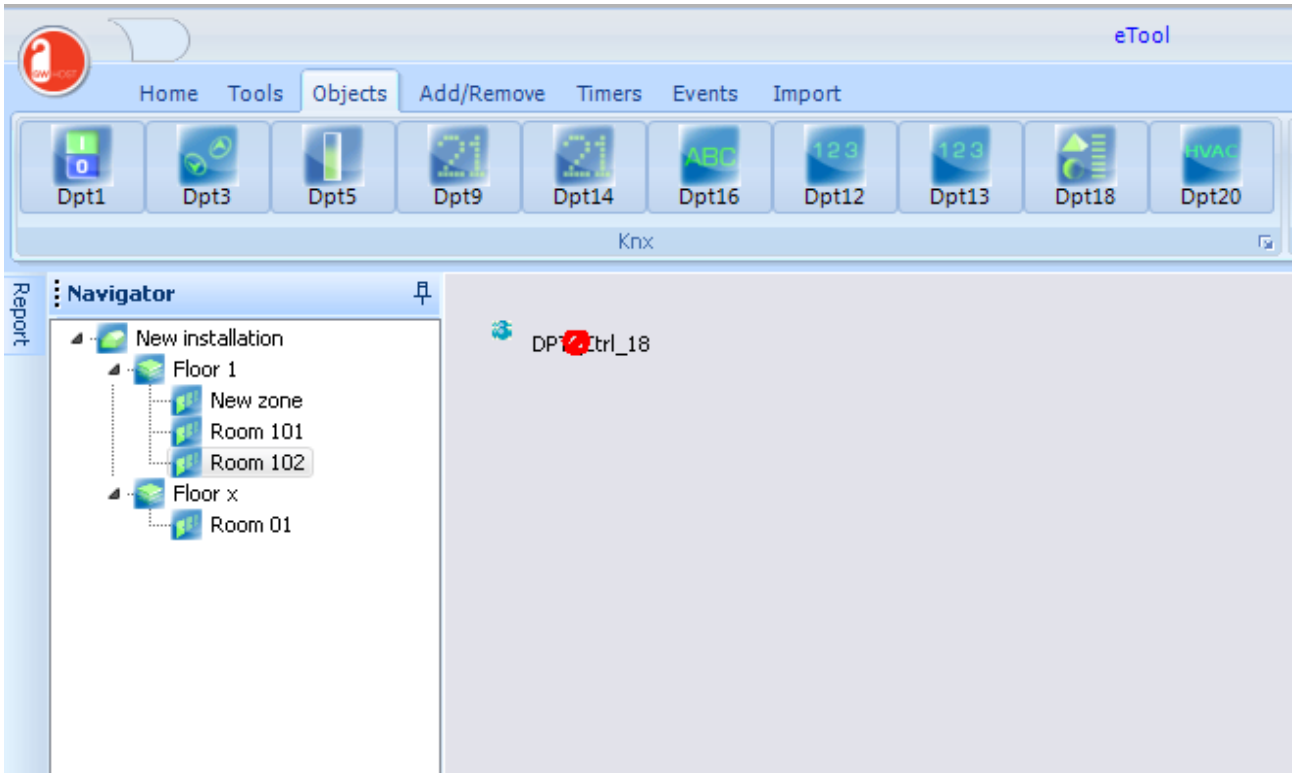


For common controls properties refer to DPT1 properties (see page 40)

DPT18

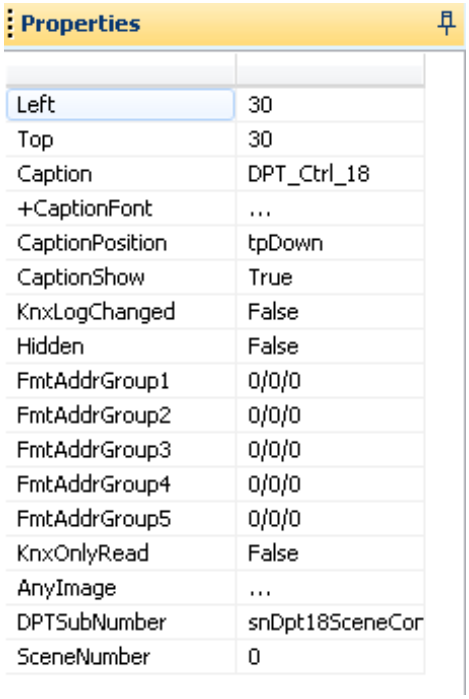
This control is used for DPT Scene Control

Clicking with the mouse on the button a new control is inserted into the current page/zone.



The symbol ban remain until a valid *Group Address* is set (0/0/0 is consider as invalid group address)

Properties DPT18

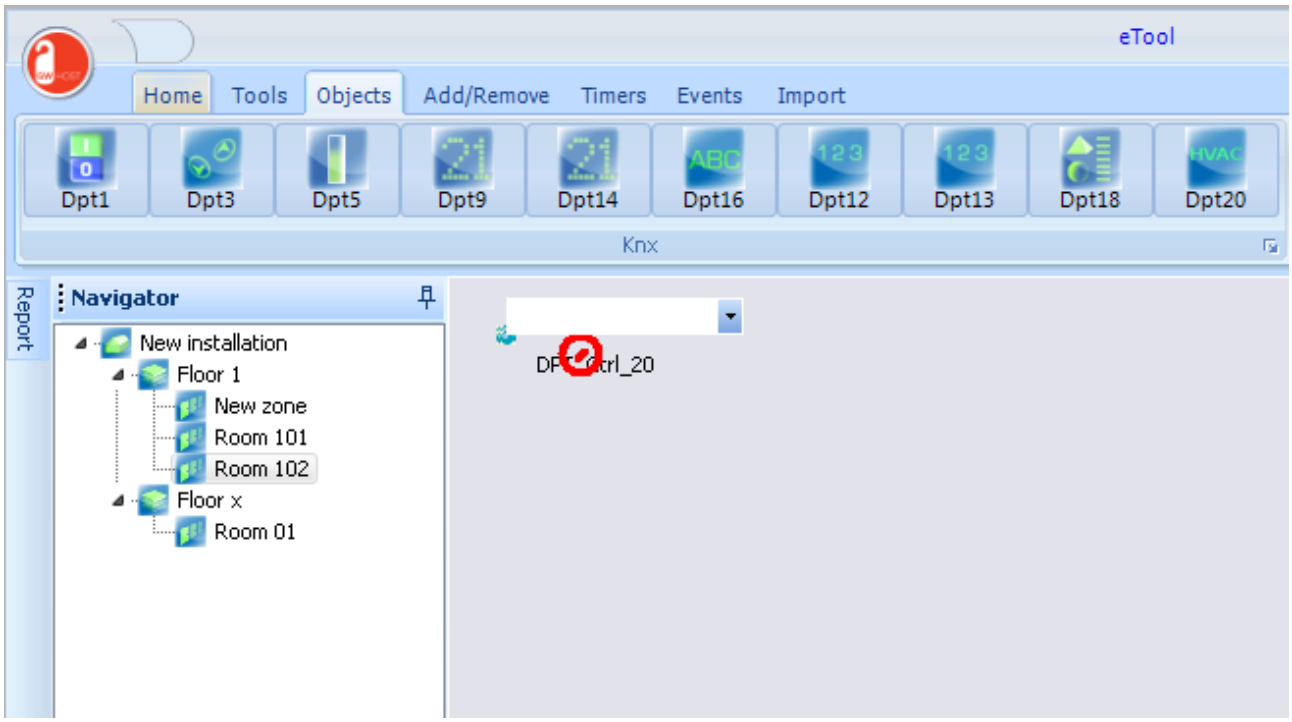


For common controls properties refer to DPT1 properties (see page 40)

DPT20

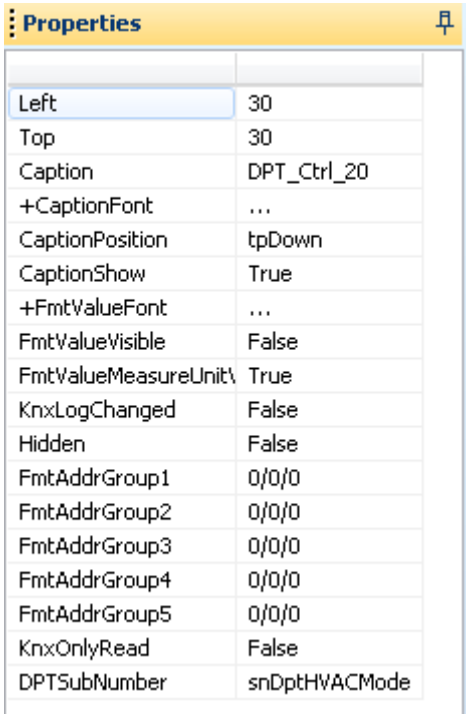
This control is used for Data Type “1-Octet “

Clicking with the mouse on the button a new control is inserted into the current page/zone.



The symbol ban remain until a valid *Group Address* is set (0/0/0 is consider as invalid group address)

Properties DPT20



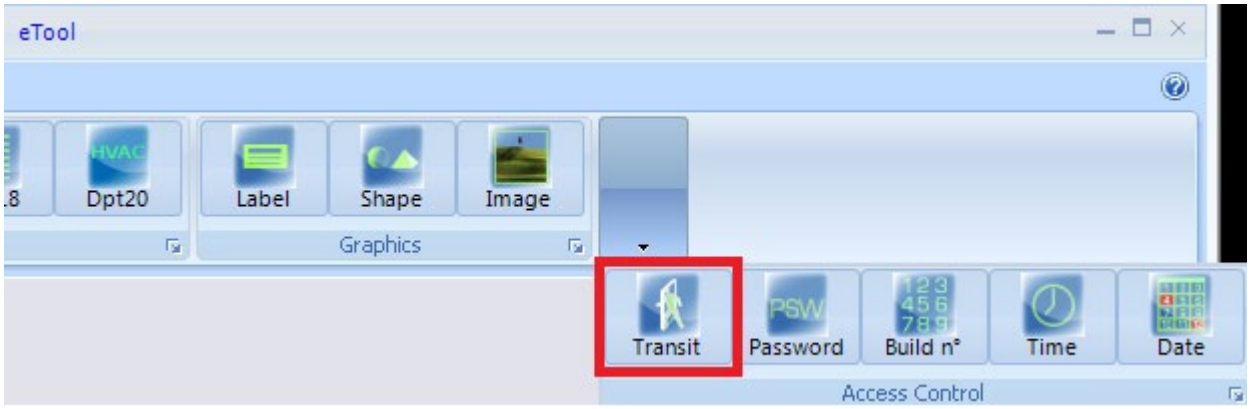
For common controls properties refer to DPT1 properties (see page 40)

Access control

All these controls are visible in design mode, but not in the supervision software.

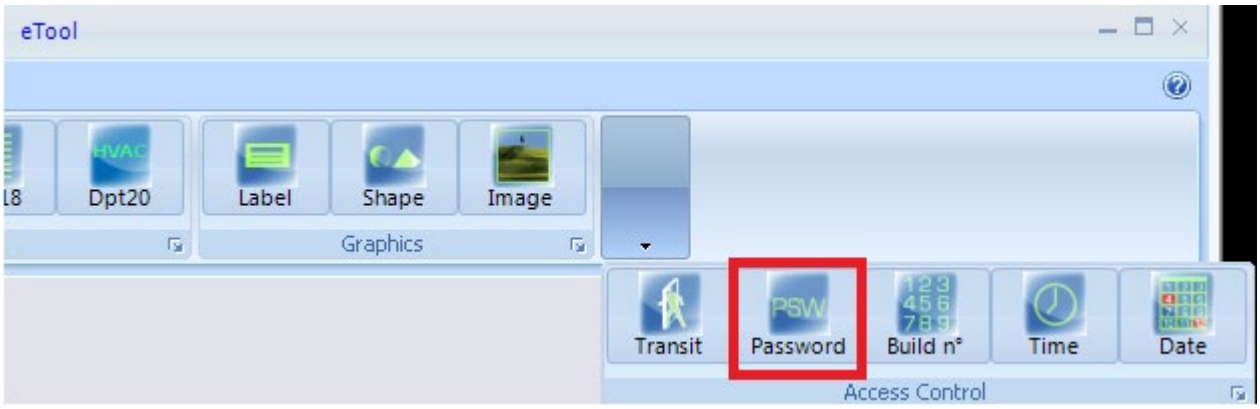
DPT15 Transito

Called *Transit* in ESuite, it's used to record data into *Log Transit* table.



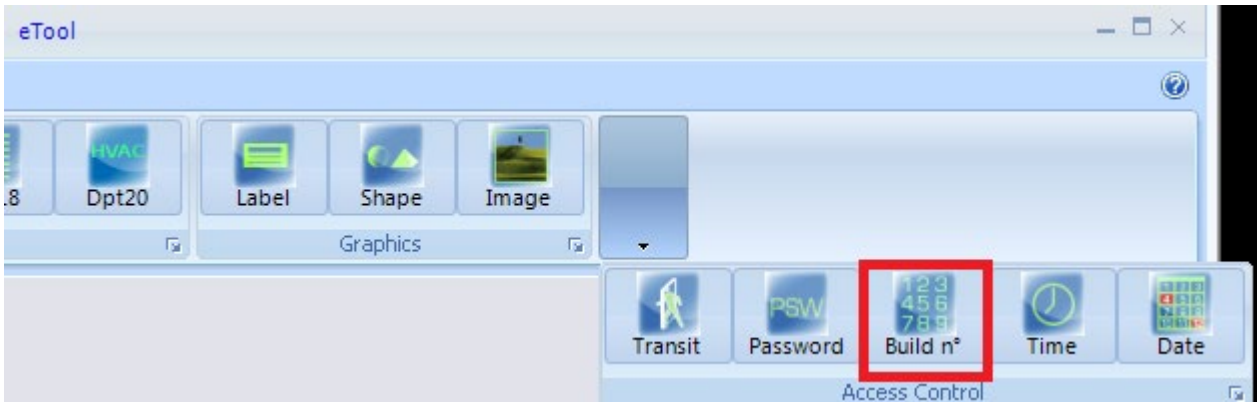
Clicking with the mouse on the button a new control is inserted into the current page/zone.

DPT password



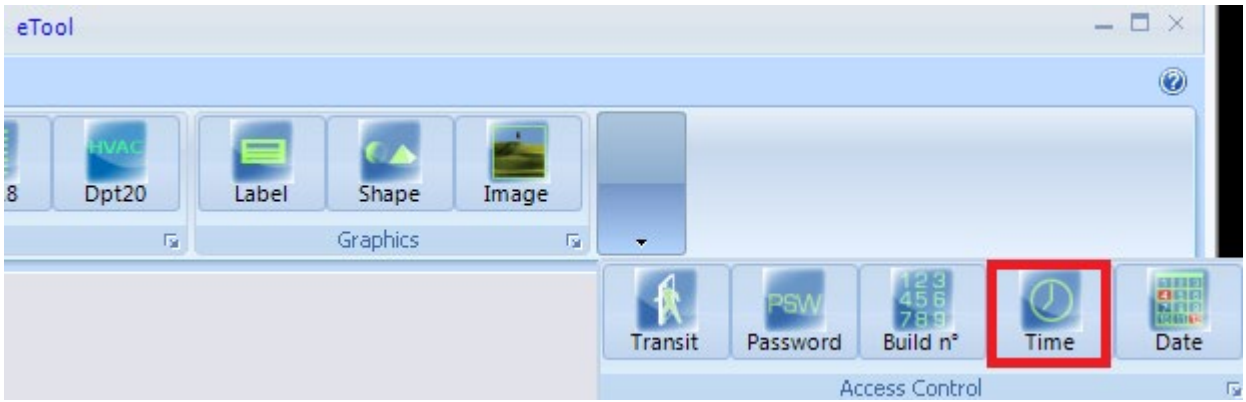
Clicking with the mouse on the button a new control is inserted into the current page/zone.

DPT Build n°



Clicking with the mouse on the button a new control is inserted into the current page/zone.

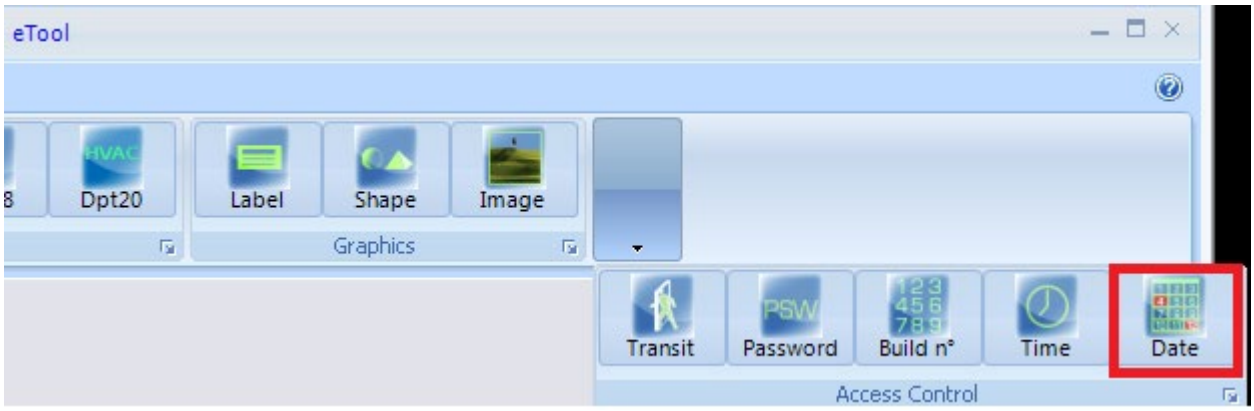
DPT10 Ora



Used by GWHOST to synchronize the devices time.

Clicking with the mouse on the button a new control is inserted into the current page/zone.

DPT11 Data



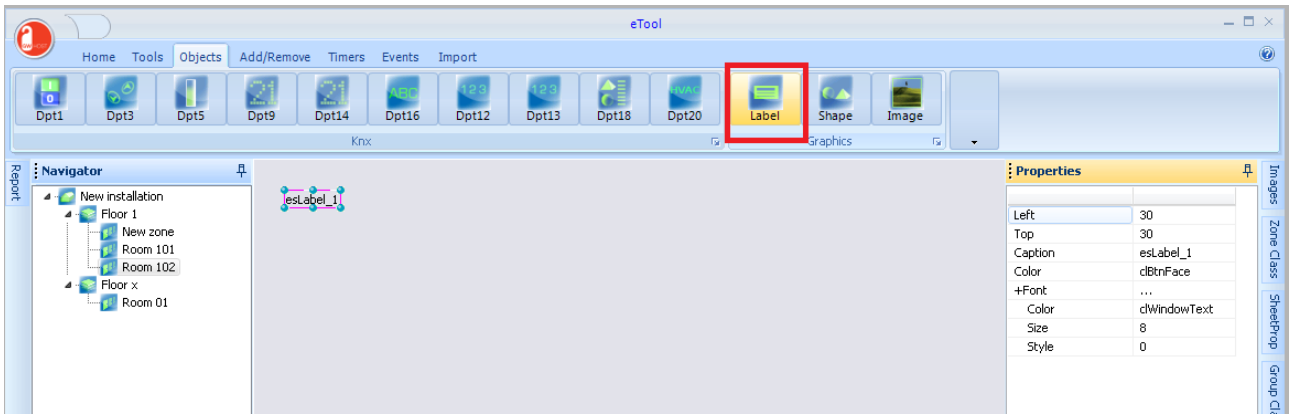
Used by GWHOST to synchronize the devices date.

Clicking with the mouse on the button a new control is inserted into the current page/zone..

Graphic controls

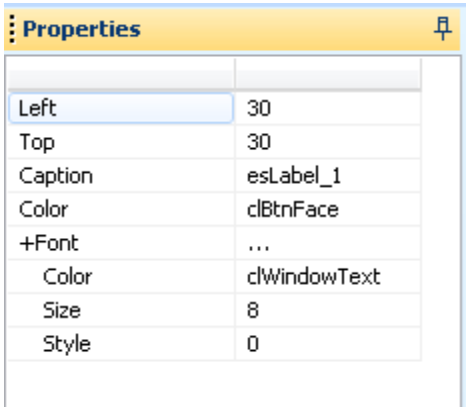
Label

Clicking with the mouse on the button a new control is inserted into the current page/zone..



The control is created with the default properties

Label properties



Left
The horizontal position of the control expressed in pixel.

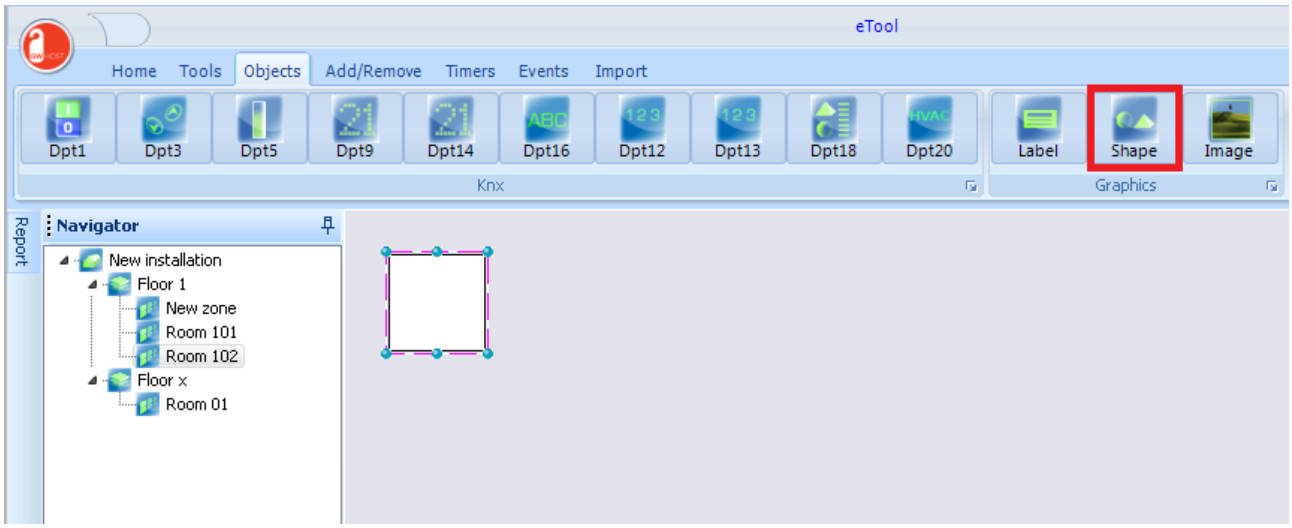
Top
The vertical position of the control expressed in pixel.

Caption
Text of the label

Color
Background color

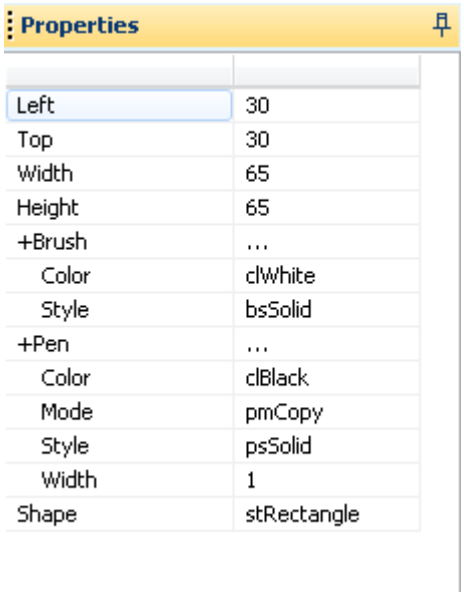
Font (Color, Size, Style)
Fare doppio clic sulla cella per selezionare il tipo di carattere da assegnare alla didascalia, scegliere tra i font di sistema.

Shape



Clicking with the mouse on the button a new control is inserted into the current page/zone.
The control is created with the default properties

Shape properties



For common controls properties refer to *Label* properties (see page 71)

Width
Set the width of the control expressed in pixel.

Height
Set the height of the control expressed in pixel.

Bruch (Colore, Style)
Set the color and the style to fill the shape.
Style can be:

- bsSolid
- bsClear
- bsHorizontal
- bsVertical
- bsFDiagonal
- bsBDiagonal
- bsCross
- bsDiagCross

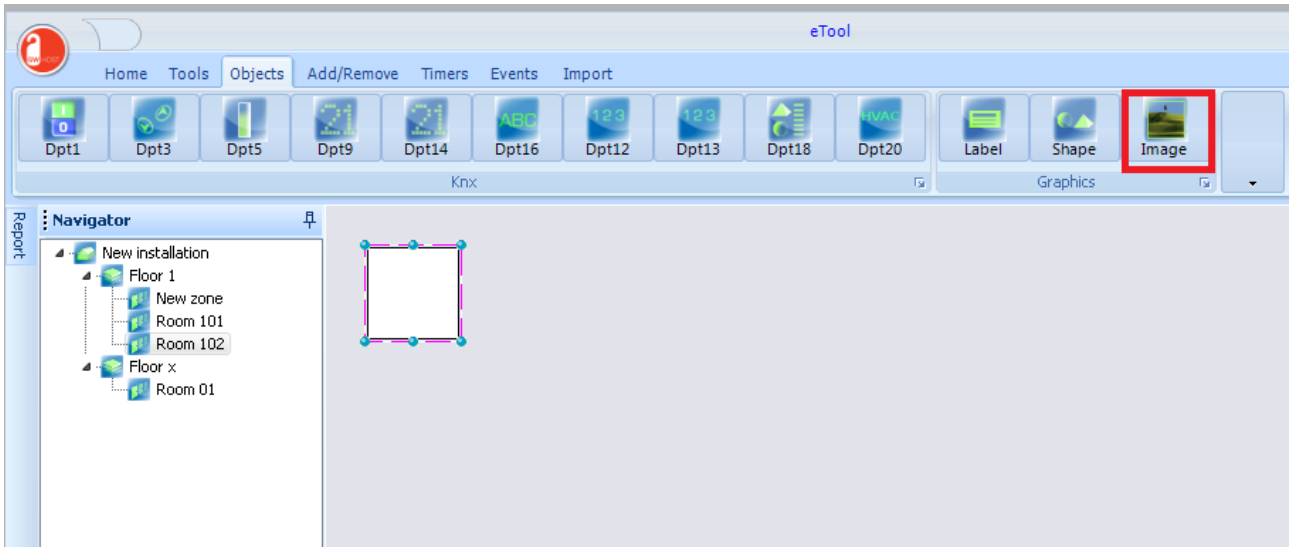
Pen (Color, Mode, Style, Width)
Define characteristics of the hatch boundary line.

Shape
Define the shape kind, can be:

- stRectangle
- setsquare
- stRoundRecy
- stRoundSquare
- stEllipse
- stCircle

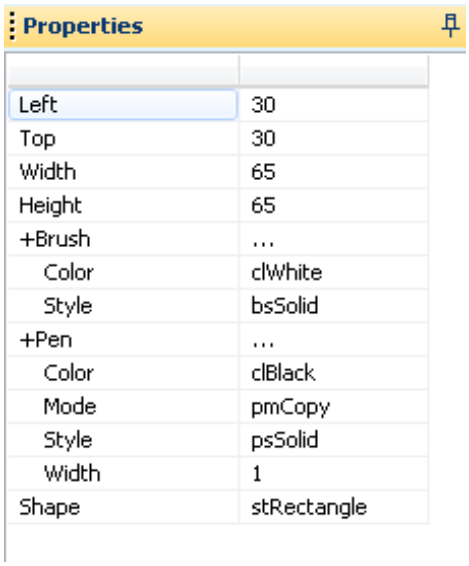
Image

Clicking with the mouse on the button a new control is inserted into the current page/zone.



The control is created with the default properties

Image Properties



For common controls properties refer to *Label* properties (see page 67)

Picture

Double click on cell to select the image to assign to control
Supported image formats are gif, jpg, bmp, ico, animated gif.

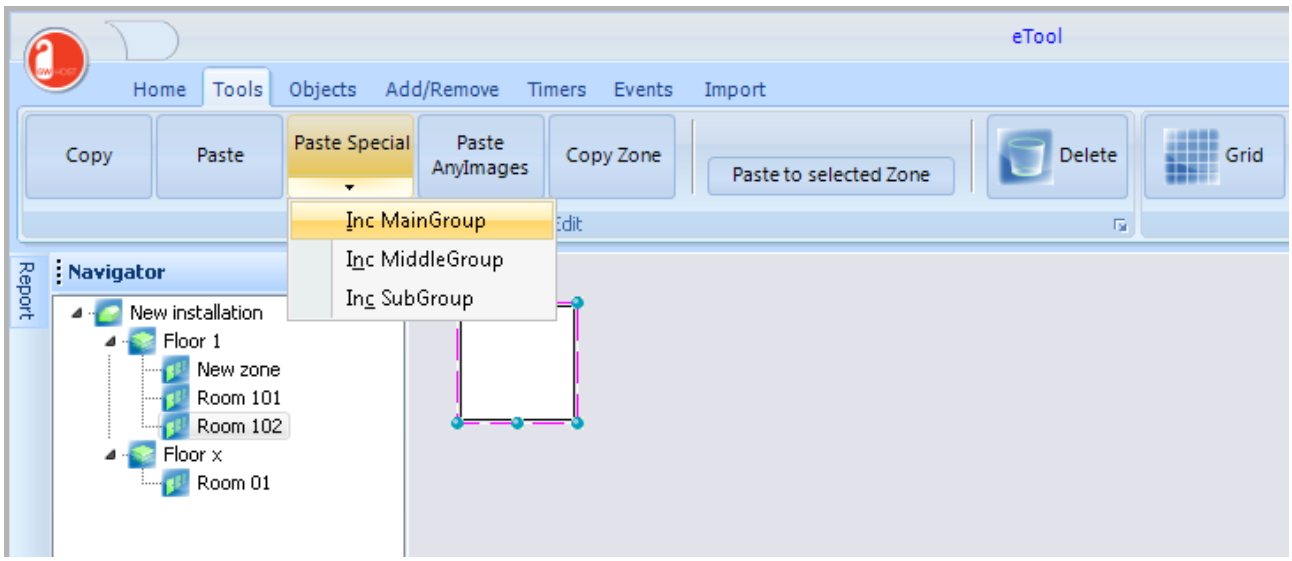
Tools

Edit

Copy
Select the control to be copied

Paste
Paste the control just copied

Paste special
Paste the control just copied, incrementing MainGroup, MiddleGroup or SubGroup.



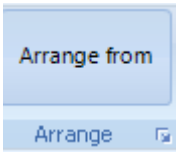
Paste AnyImages
Used only for DPT1 controls, paste only *AnyImages0* and *AnyImages1* properties.

Delete
Remove the selected controls or object (Zone/Page, Floor) from the project.

Grid

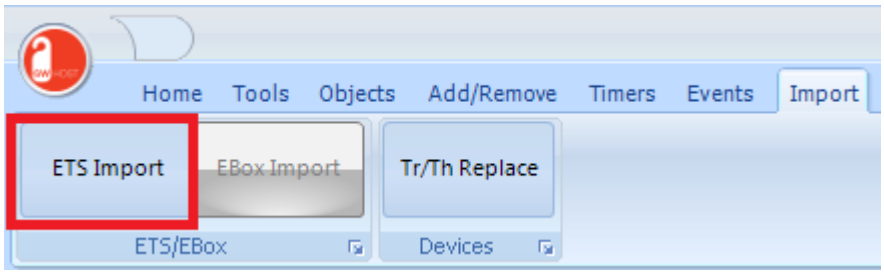
Show a grid on the working area to simplify the alignment of the controls

Arrange from



This feature allows you to copy the changes made to the objects in a room and paste them in the other rooms provided that during the initial import all the objects with the same description have been selected. **It is necessary to fill in the field “description” in the ETS project.**

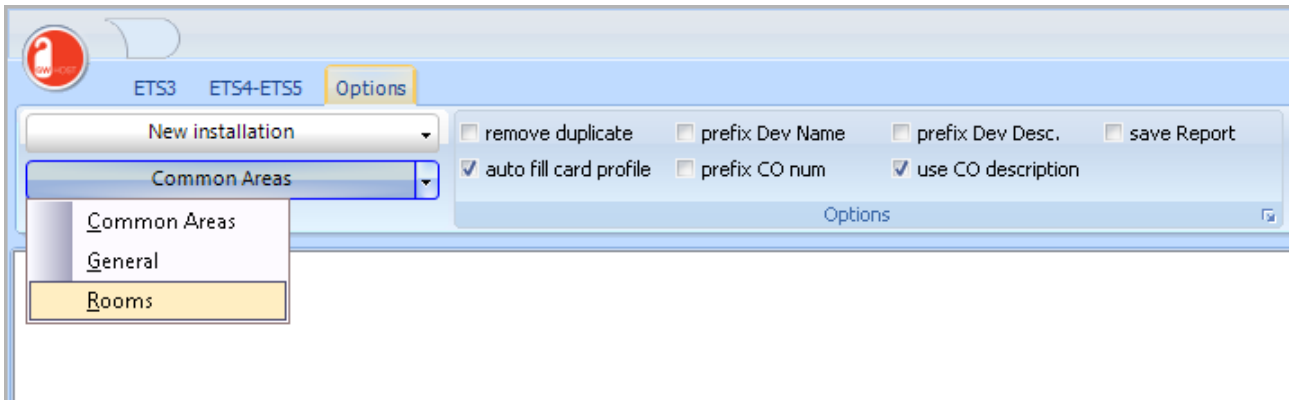
ETS IMPORT



Select the ETS import function to load the structure and the device communication object into GWHOST project.

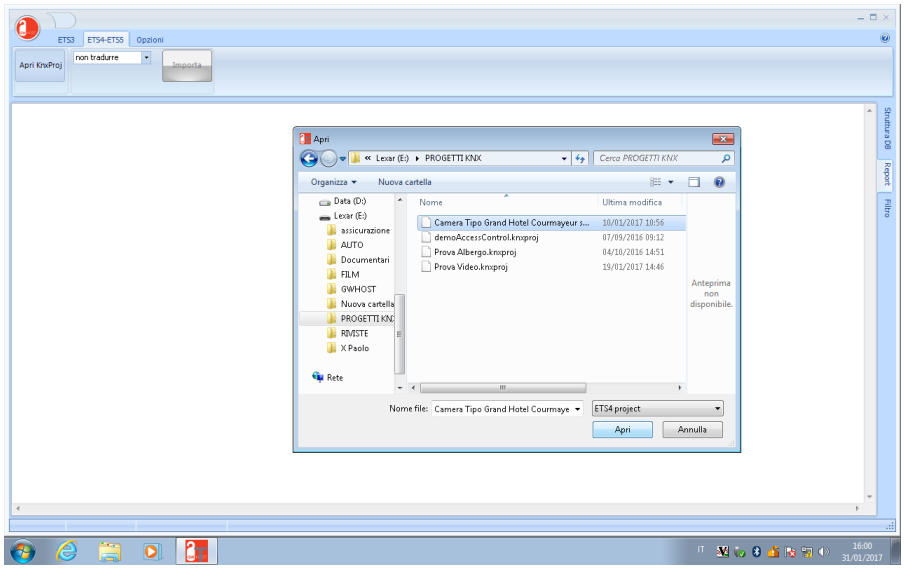
Note In case of ETS3 use only: Ets3 has to be installed in the PC where you are importing the project. Ets has to be launched when importating.

From the Options menu select “Rooms” to define the way by which importing the zones

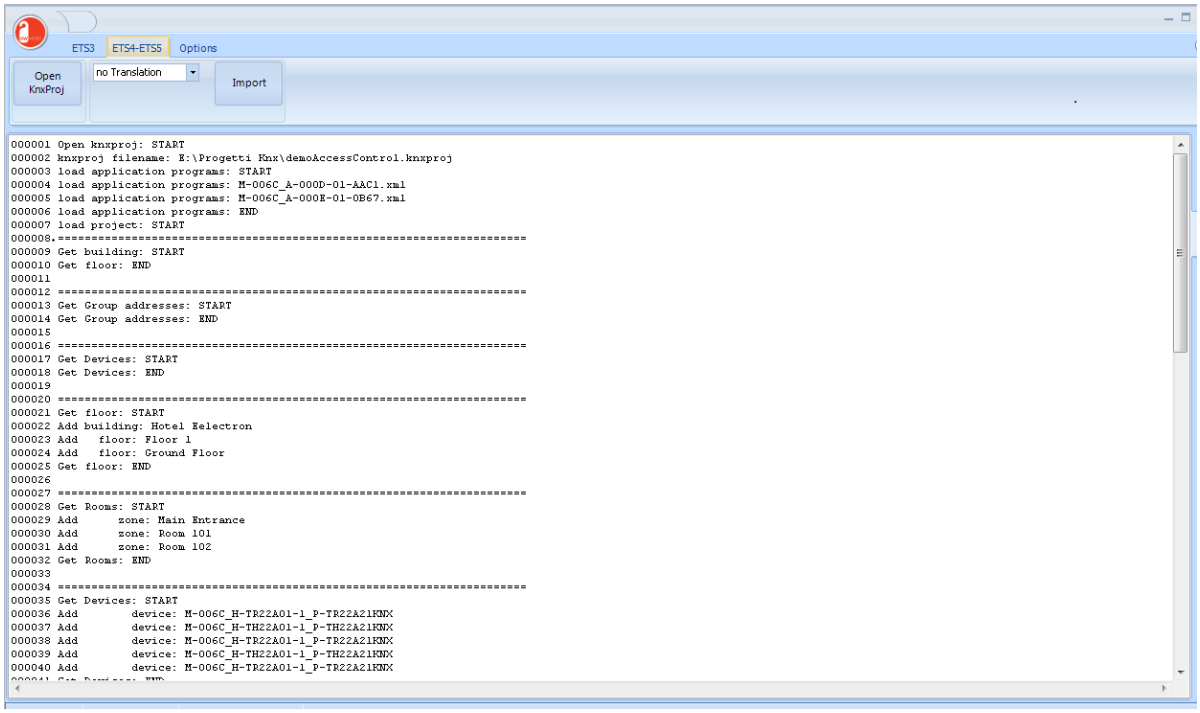


***Remove duplicate*:** check the presence of objects having the same data point and address group and keep one only.
***Prefix Dev Name*:** add the name of the device in the destination of the configuration object
Prefix Dev Desc: add the name of the device in the description of the imported communication object.
Save report: create a file with the steps occurred during the importing phase
***Auto fill Card Profile*:** automatically load in the zone all the addresses used to indicate the room presence and the name of the host. At the present time the function is not supported by the Gewiss devices
Prefix CO num: put the object number before the name of the object
***Use CO description*:** load the description set in ETS as the object name

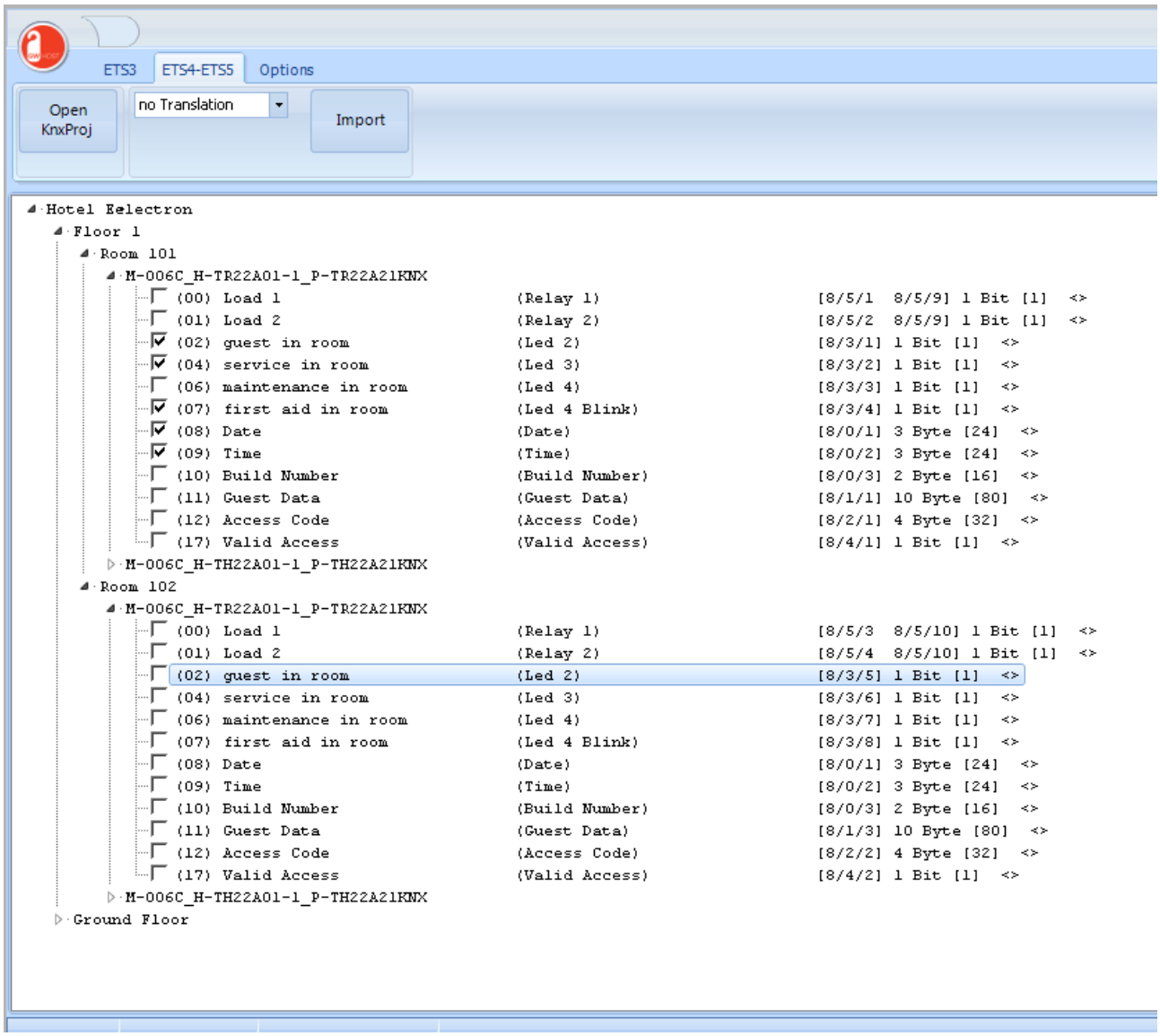
Select ETS3 or ETS4-ETS5, then open the project you want to import.



Depending of the dimension of the ETS project, after some seconds, the DB Structure tree view is filled.



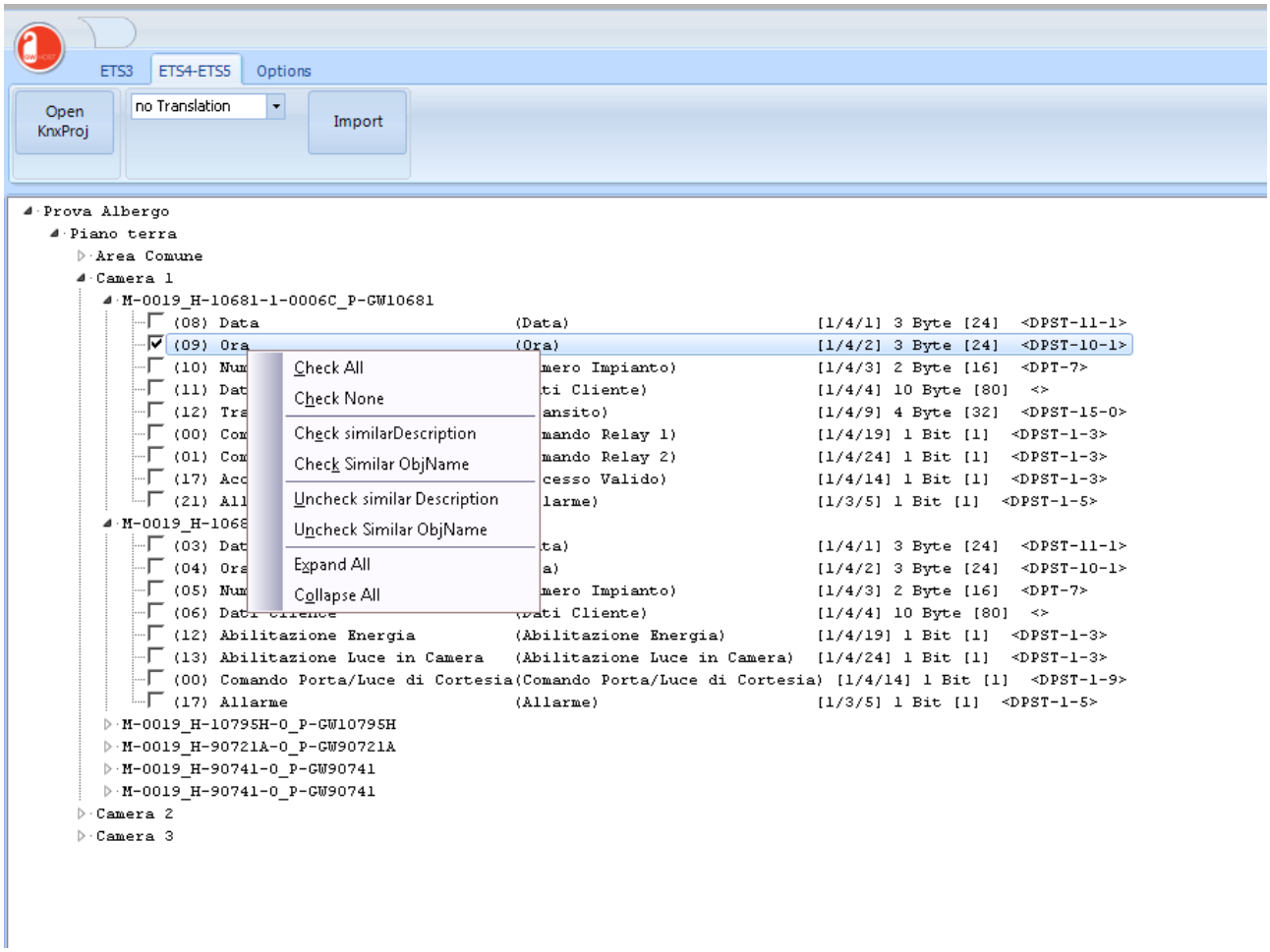
In the right tab, select “DB structure” and expand the tree structure



Devices are loaded into the respective floors and zones, only communication object with at least one valid group address are reported.

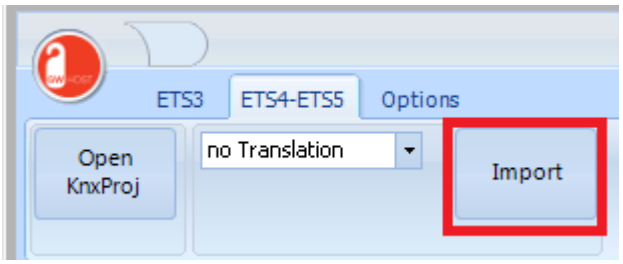
How to import Communication Objects

Check the communication object to be imported



You can get help from the contextual menu to check or uncheck Communication object with similar *Description* or *Object name*
Finally push the ***Import button*** to start the procedure

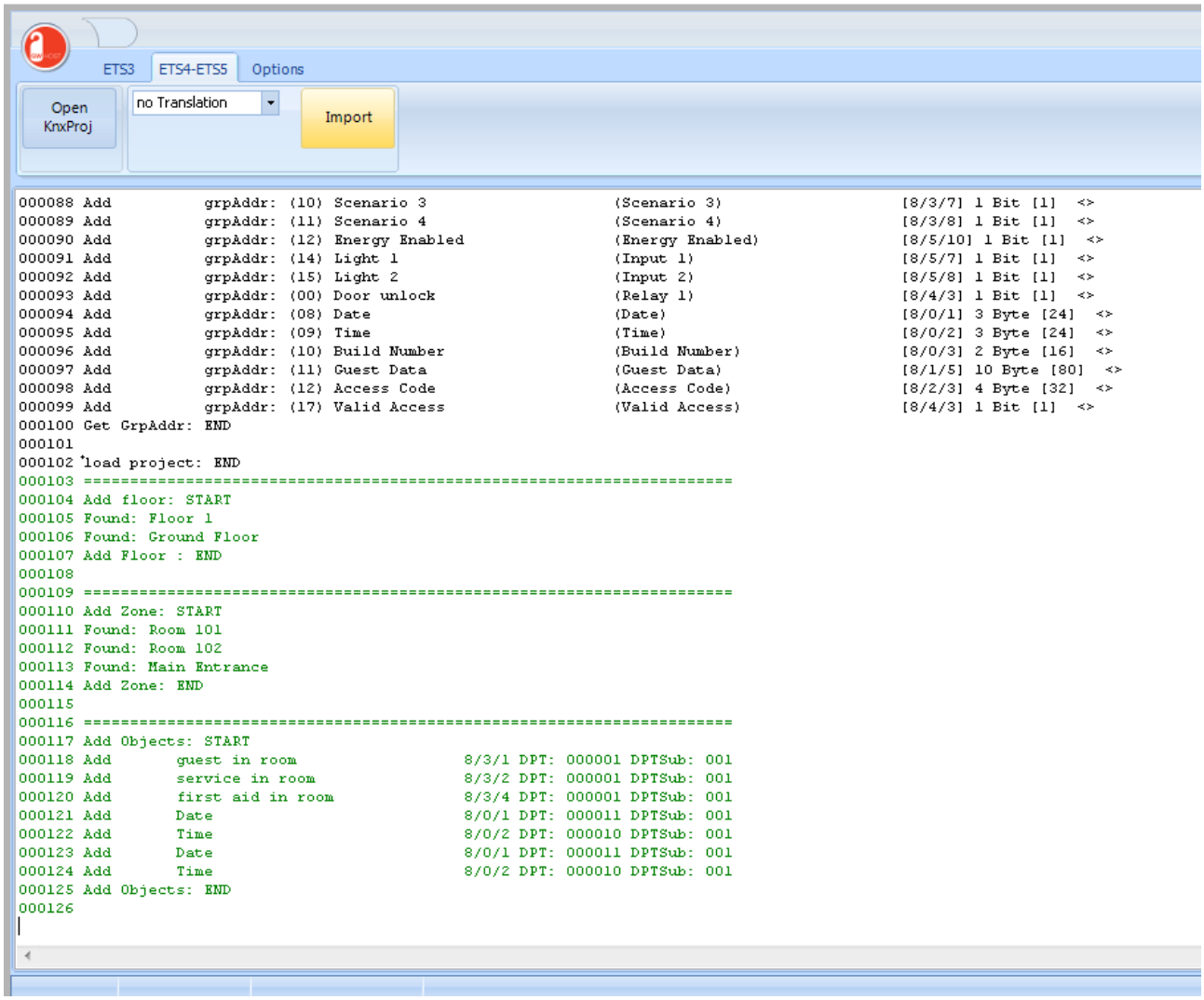
Finally push the ***Import button*** to start the procedure



Working time to import the project depends on the number of Communication Objects, Floors and Zones.
At the end of the import procedure a Logout and Login is required to refresh the ESuite project data.

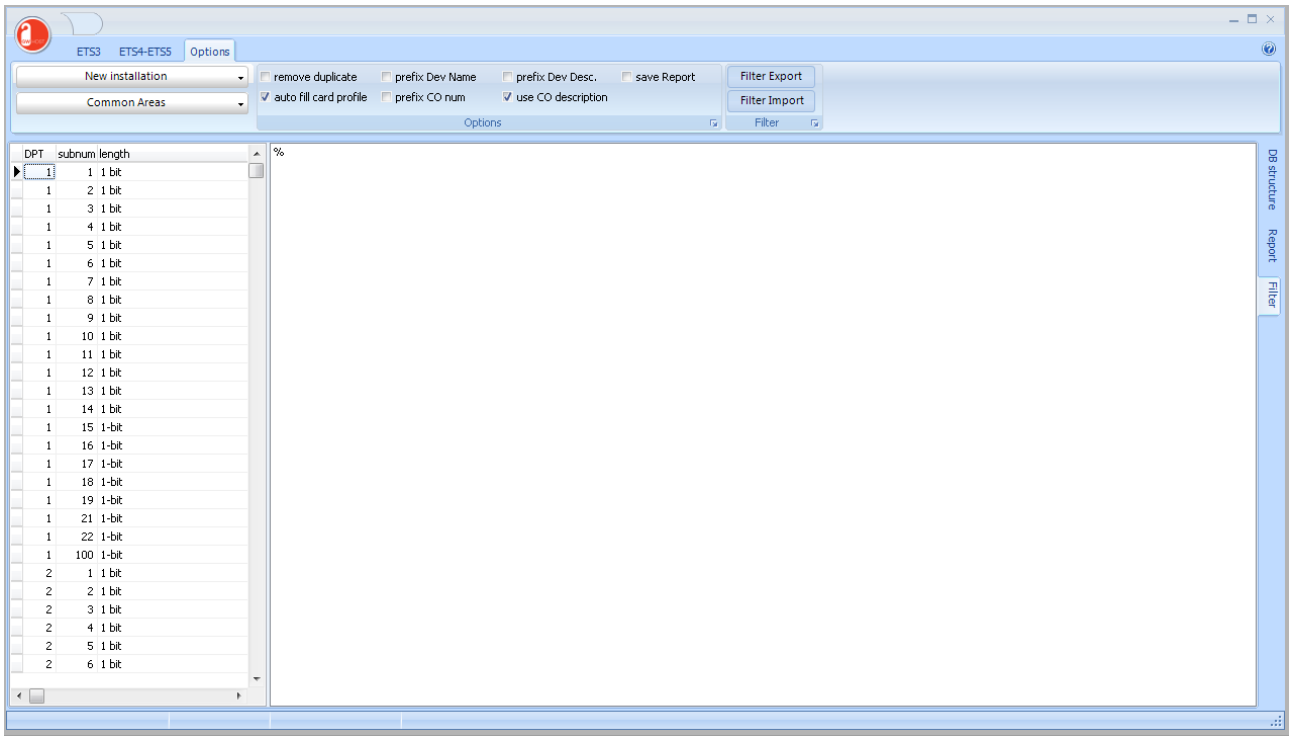
Report

During the ETS import procedures, a report is continuously updated with events and operations made.

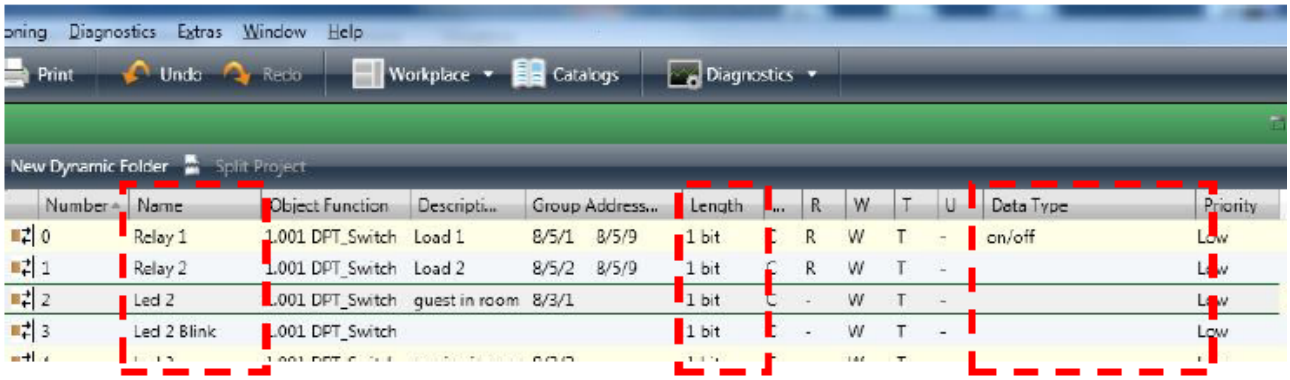


Report could be saved into a text document file for further analysis.
Use *CTRL-A* shortcut to select the entire document, then simply copy and paste into a notepad document.

Filter Table

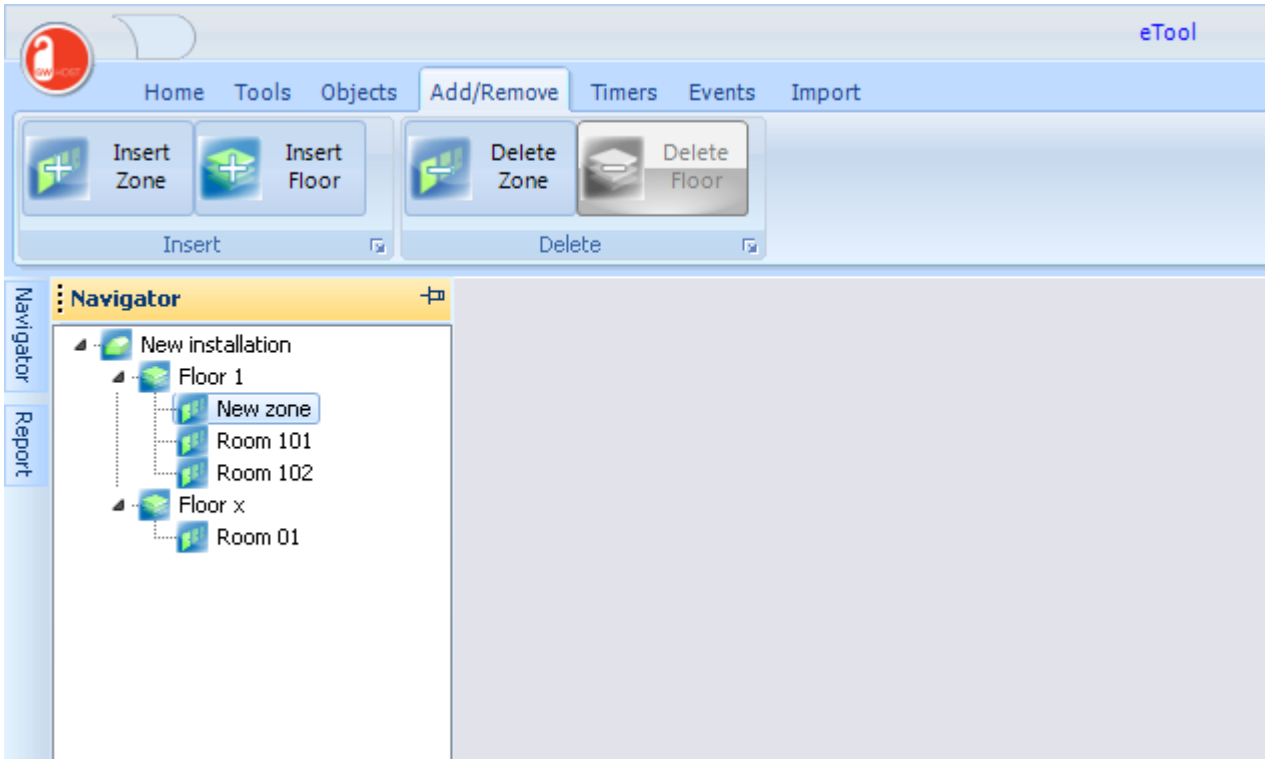


The Filter table is used by the import function to assign a "ESuite knx control" to a group object. By default, the DPT type (used to create the ESuite knx control) is taken from the field *Data Type* of the group object



But if this field has not been set, the system try to find the right DPT using the *Length* and *Name* field.
Using the *Filter Import* and *Filter Export* functions in the *Options* tab is it possible to add or delete new group object names.

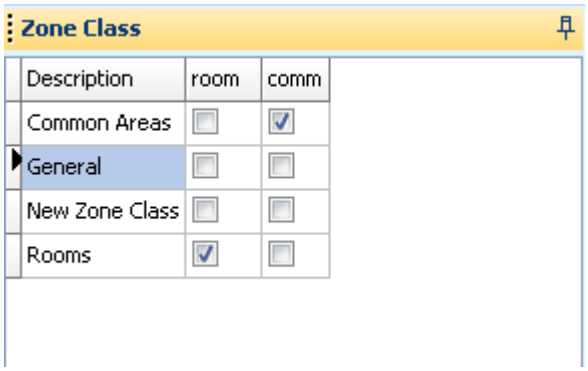
Add/Remove Zone/Pages, Floor



Based on your *Navigator* selection (*Zone/Pages* or *Floor*) these commands allow you to insert or delete parts of your structure.

Zone Class

Each zone belongs to a *Zone Class*.
Defining *Zone Class* it's possible to apply filters in Navigator



Insert Zone Class

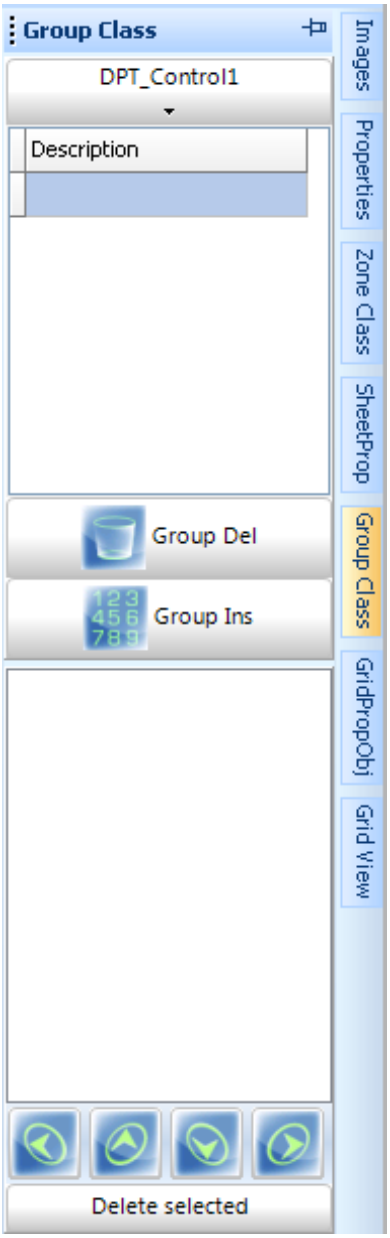
There is no limit for inserting ***Zone Class***. Each zone class is defined by a *Description* and attributes ***room*** and/or ***common area***.
Zones that belongs to a Class zone with attribute **room** and/or **common area** may manage access control feature.

Delete Zone Class

Only ***Zone Class*** that have no zones referenced can be deleted

Group Class

Group Class allow the end user to regroup controls of the same DPT type.
One DPT can be referenced to more than one *Group Class.*
Group Classes are used in *Timers* and *Group Send*



Group Insert

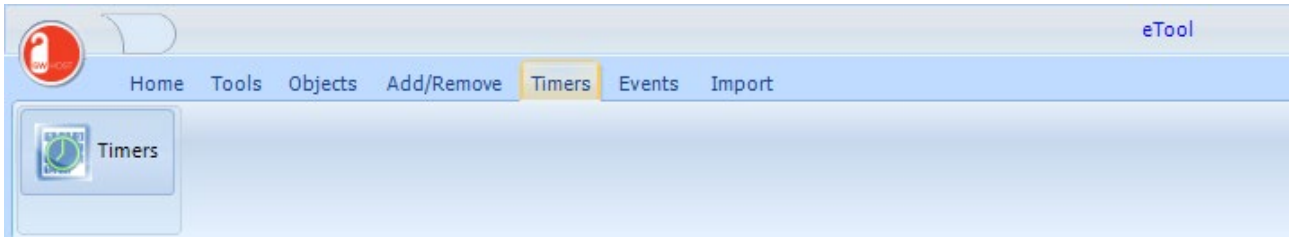
There is no limit for inserting *Group Classes.*

Group Del

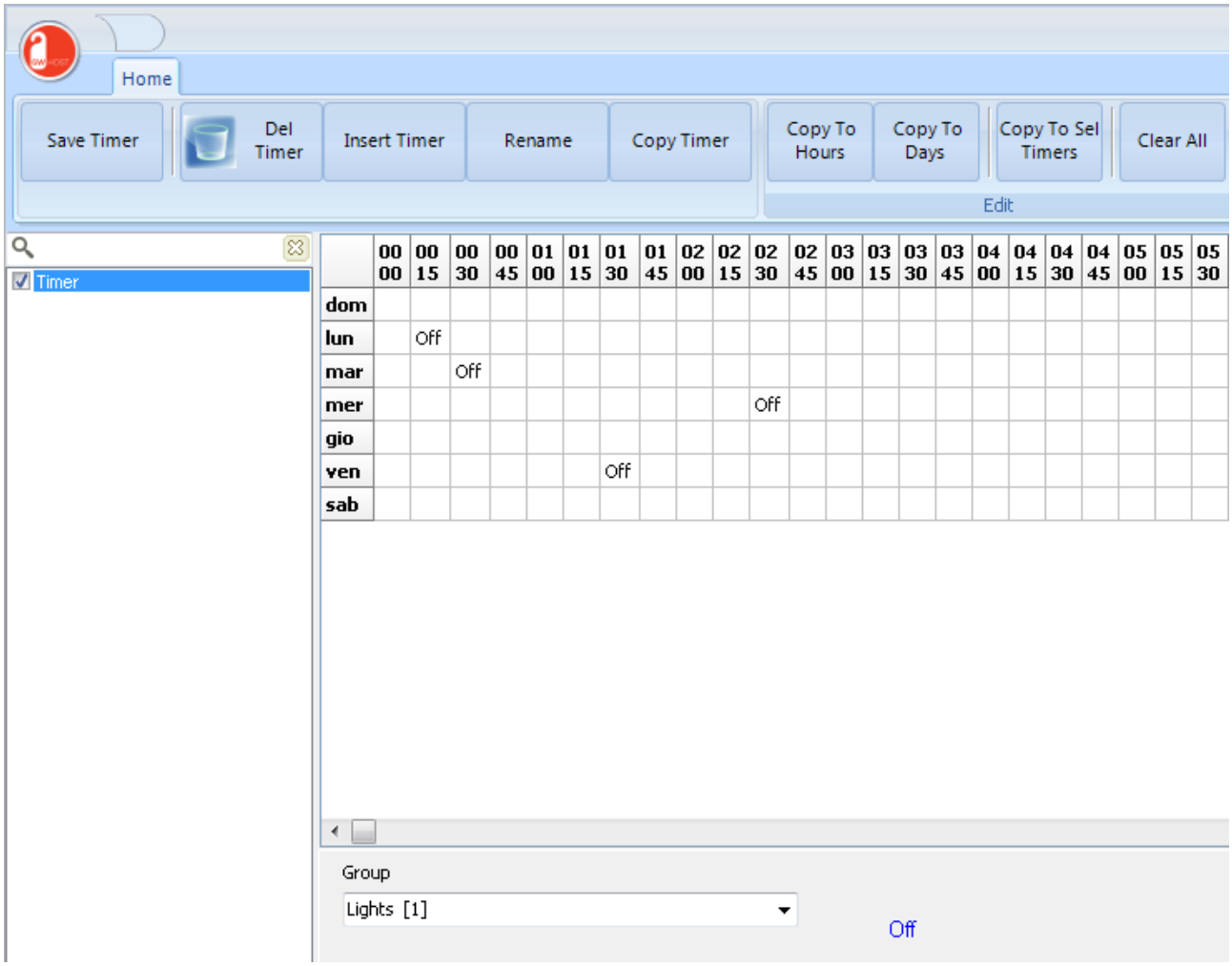
Only **Group Classes** that have no controls referenced can be deleted

Timers

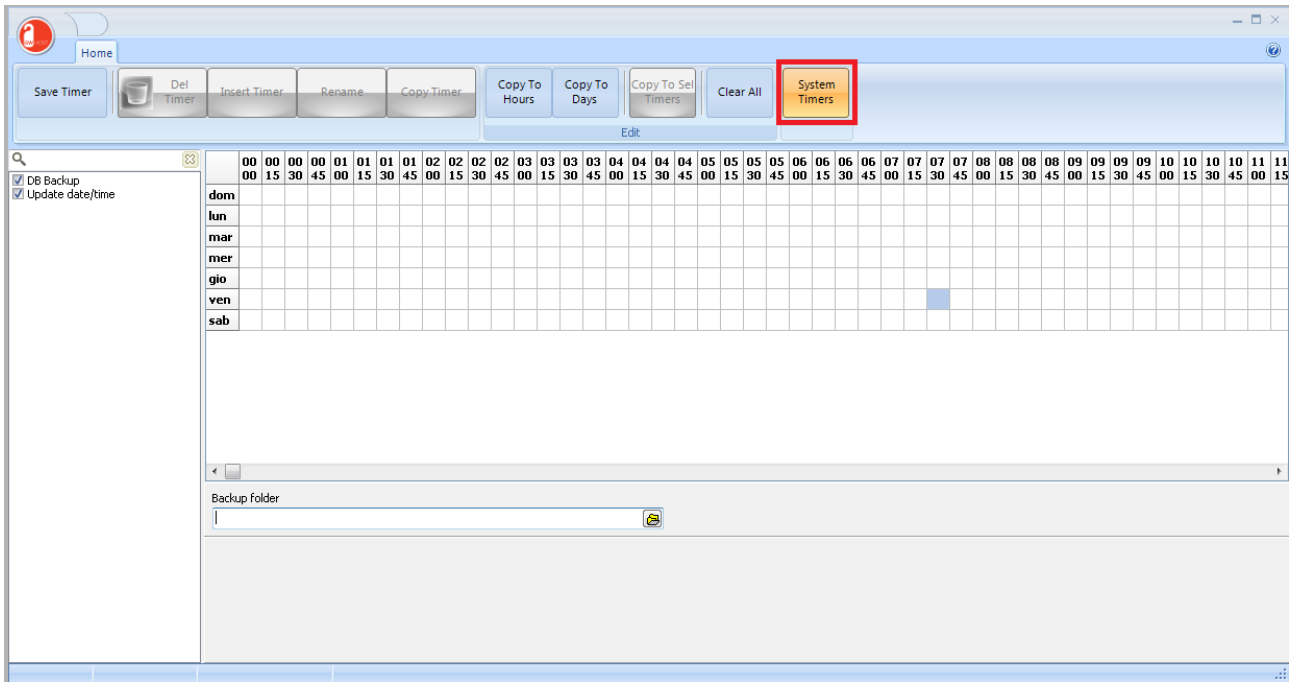
Select the tab “Timers”



Select the group you want to control.
Add the desired timers and proceed programming them. The ON/OFF value is selected by double clicking on the command below the grid.

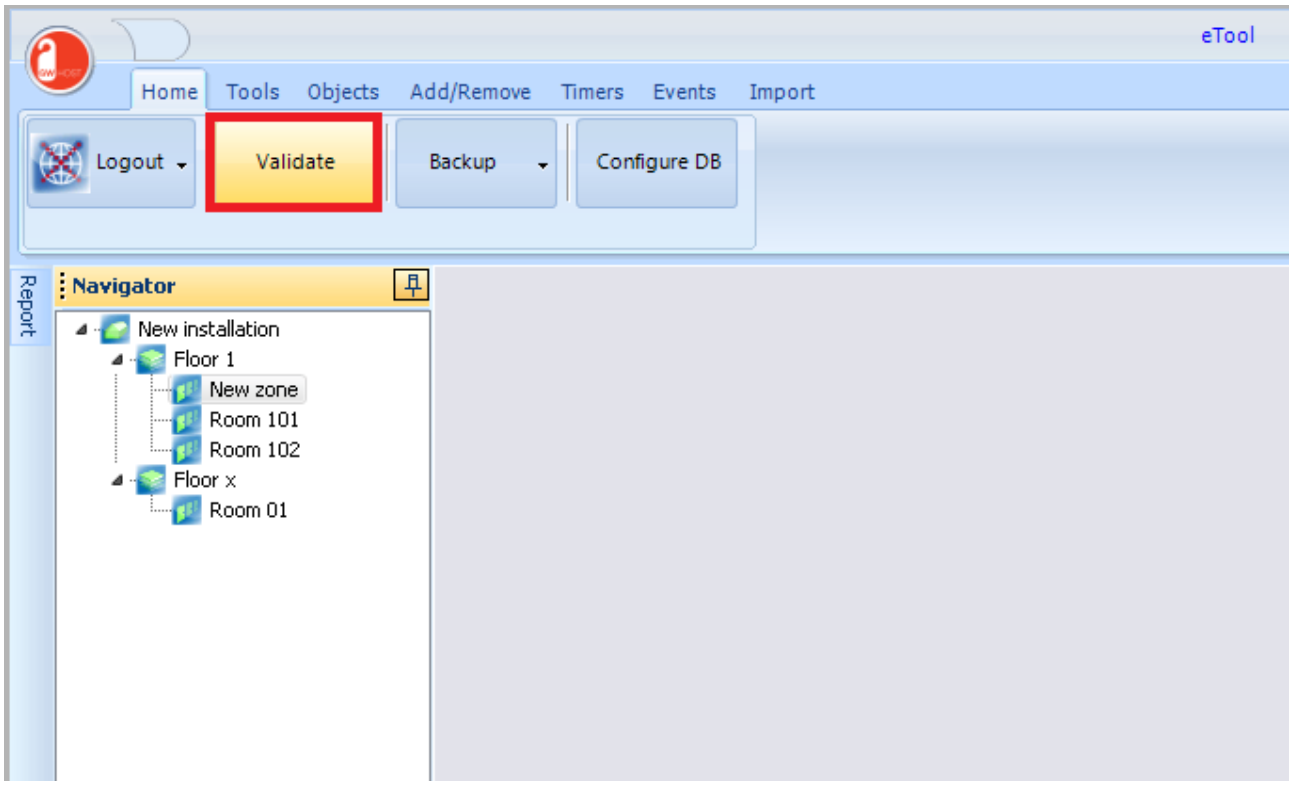


Click on the button “System Timers” to load or save the Timers created



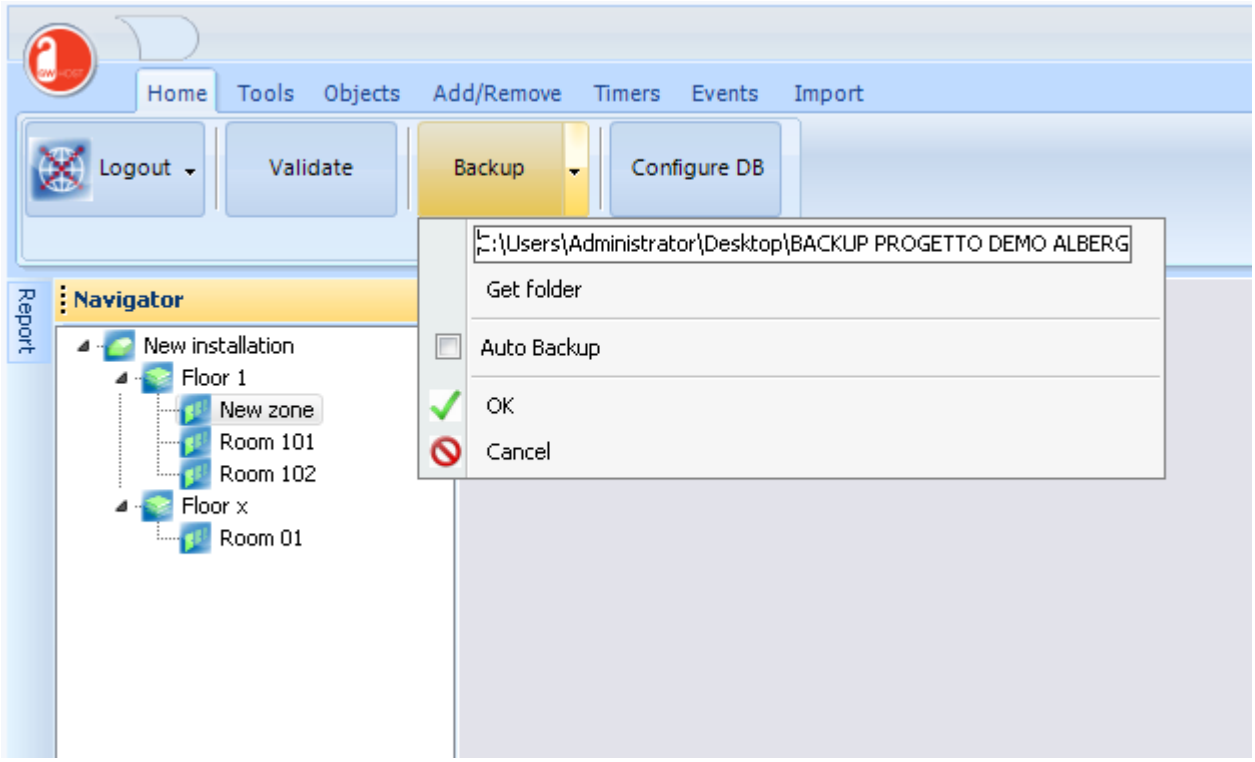
By default, at 23:45 the backup of the DB is made and the data/time update is sent on the bus.

Validate



Function *Validate* check your project data.
Check for not valid Group Addresses, 0/0/0 is considered a not valid Group Address.
Check if the same group address has been associated with different kind of DPT controls.
Check if the same zone number has been associated with two different zones.

Backup

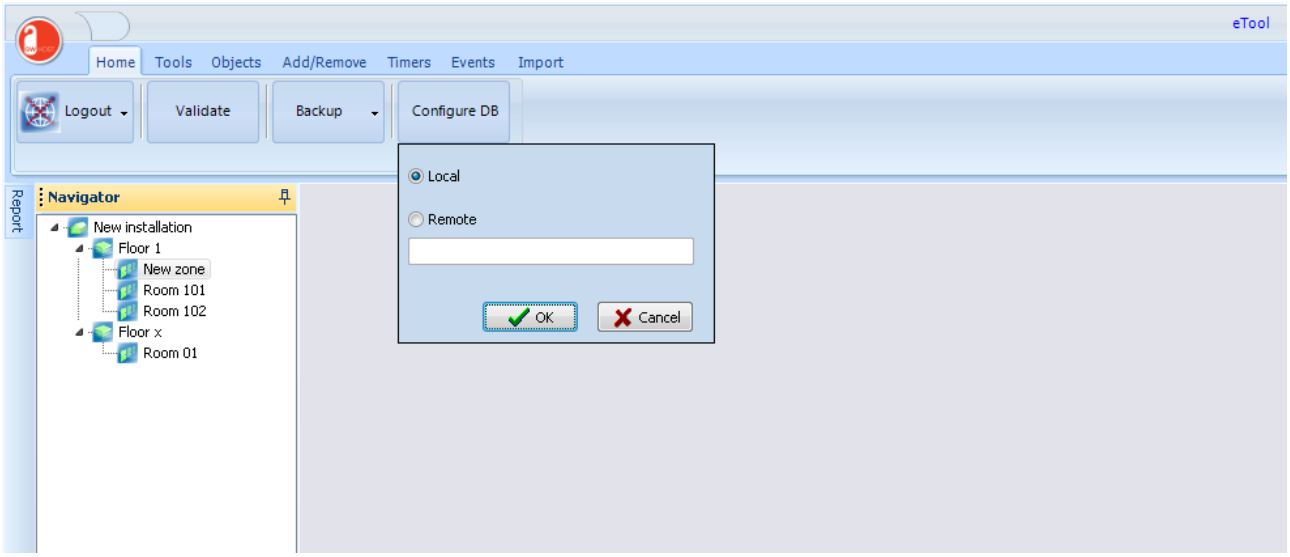


In any time, It's possible to make a backup of the entire project, using the *Backup* button.
Default name for backup file is *alsEBox_YYMMDD_HHmm.fbk* where

- YY is current year
- MM is current month
- DD is current day
- HH is current hour
- mm is current minute

Configure DB

Designed primarily for the installer, this feature allow to manage not only the Local Installation, but remote too.
Selecting *Remote*, IP address or pc name must be defined.



EDome

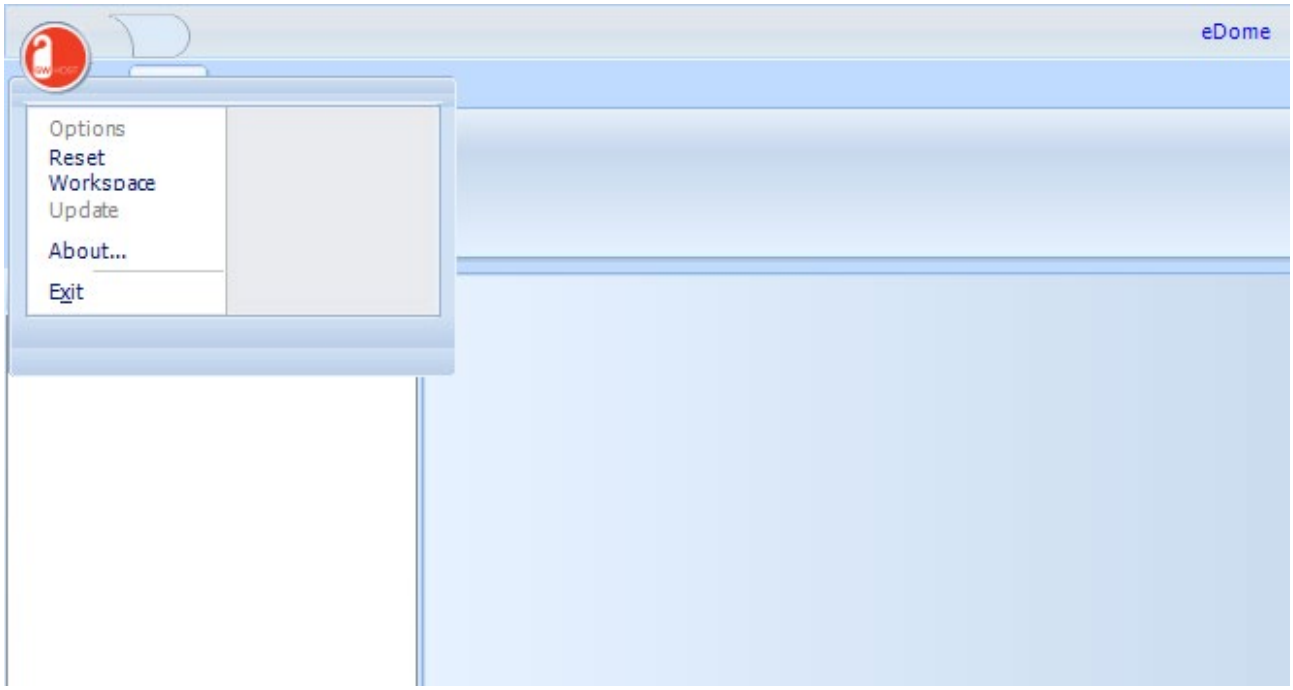
Function

EDome is the end user module to supervise the project.

Configuration

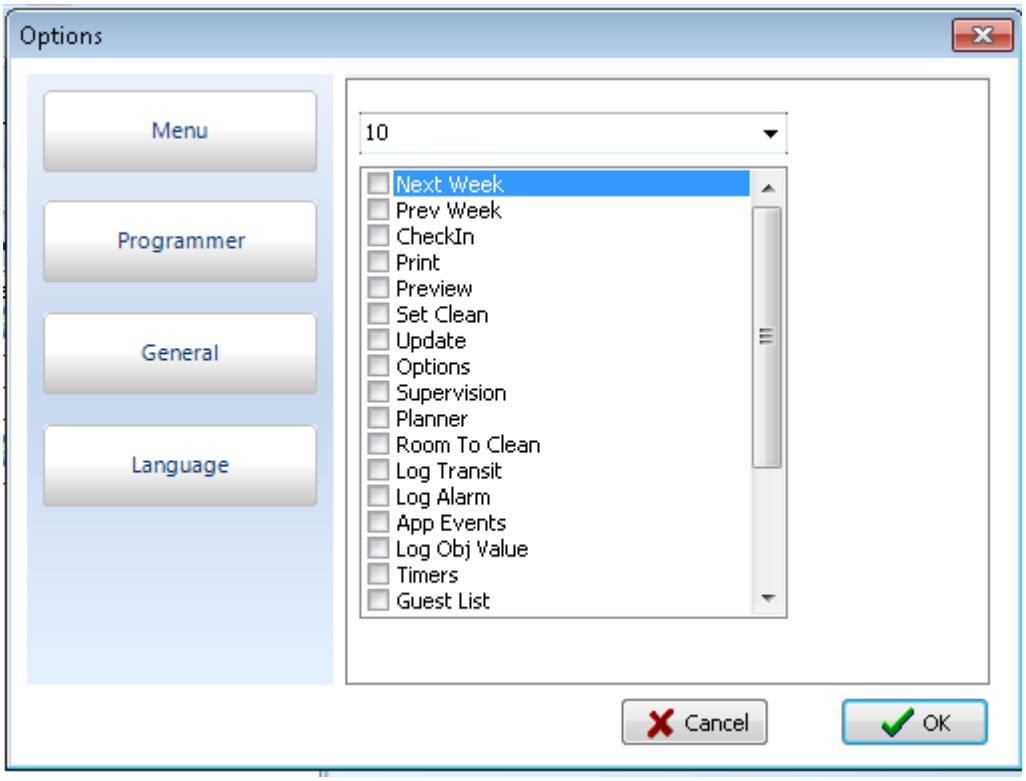
General option

Access to general options using the EDome button.



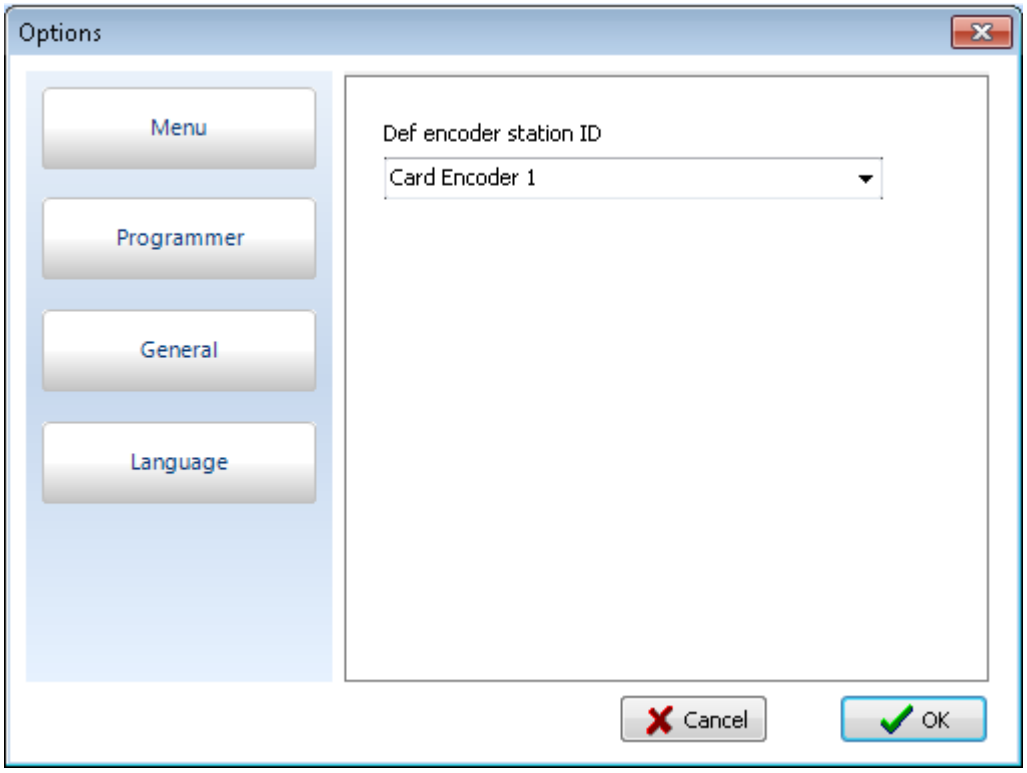
The options are accessible only after a valid log in.

Menu



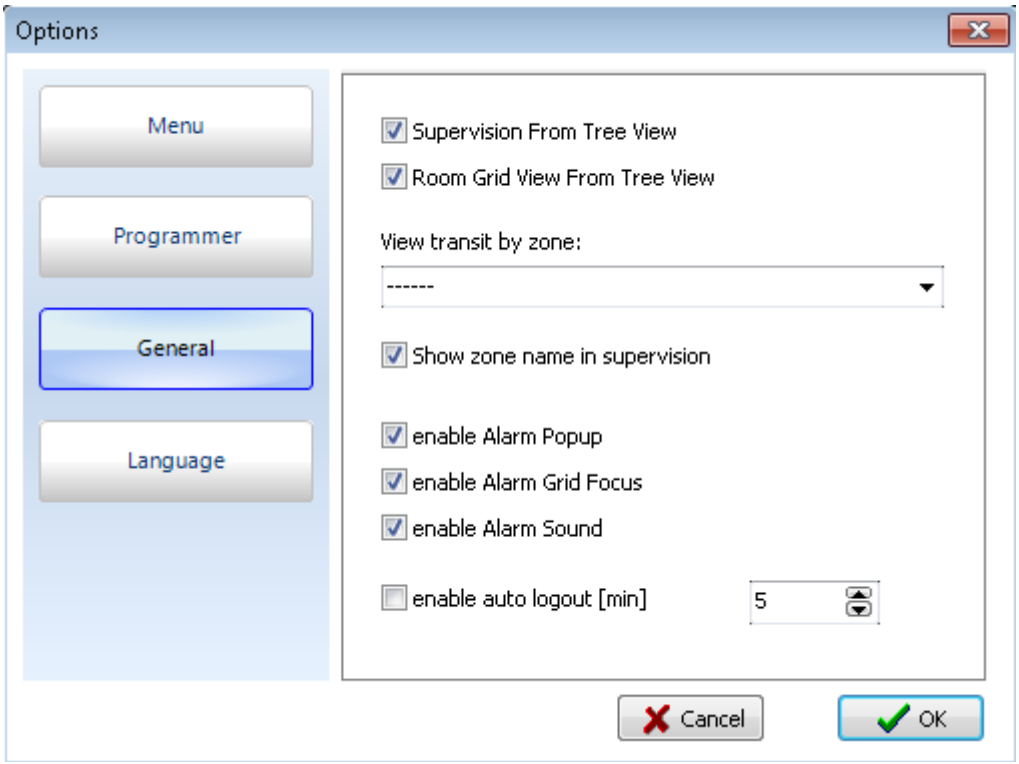
Menu option allow the user to set the rights or visible objects, according to the selected level. *Levels* are linked to *Users* by *Users* option defined in ETool (see page 28).

Programmer



Supervision From Tree View
If enabled, selecting a zone/page in the navigator panel, the supervision page is automatically showed.
View transit by zone
If a zone is selected, every time a transit is logged in that zone, *Transit* panel (see page 105) show the card details of just recorded transit.
Show zone name in supervision
If checked, in supervision page appear as footer the name of the current zone.

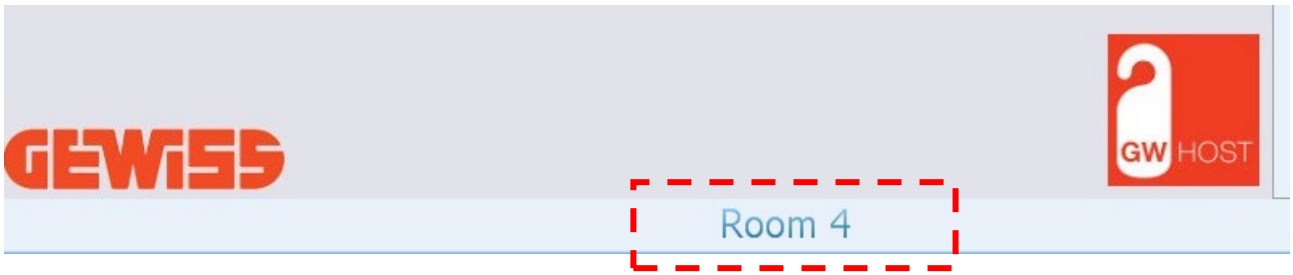
General



Supervision from tree View:
If enabled, selecting a zone/page in the navigator panel, the supervision page is automatically showed.

View transit by zone:
If a zone is selected, every time a transit is logged in that zone, *Transit* panel (see page 105) show the card details of just recorded transit.

Show zone name in supervision:
If checked , in supervision page appear as footer the name of the current zone.



Enable alarm pop-up

If checked, a form is prompted every time an alarm is fired.

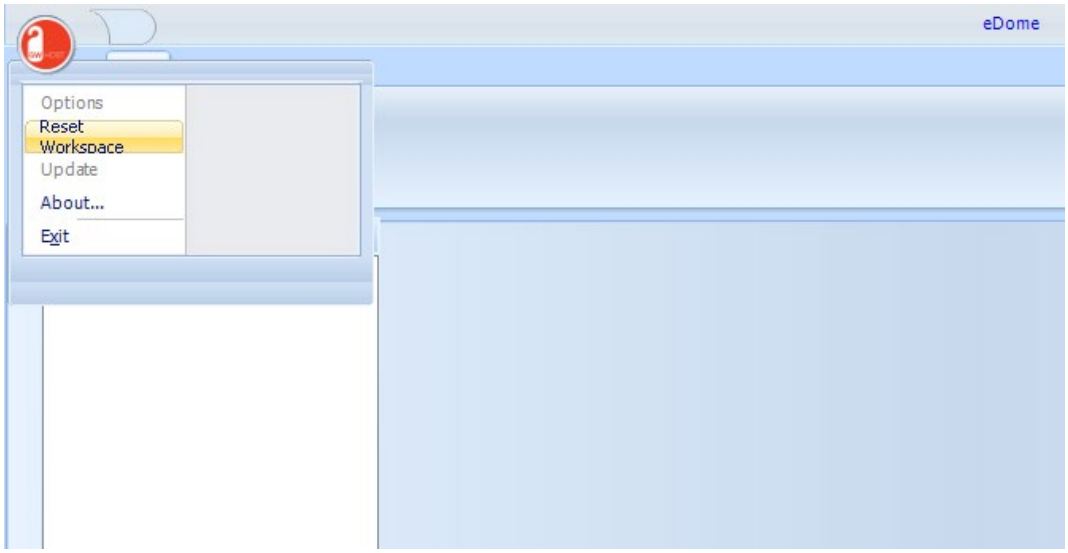
While the form is showed, a audible alarm is played.

Note
It's possible to change the alarm sound, replacing the file *alarm.wav (*located in GWHOST program folder) with a different one. The name and type of the new file must be the same of alarm.wav

Enable auto logout

If checked after the time set, the system automatically log out the current user..

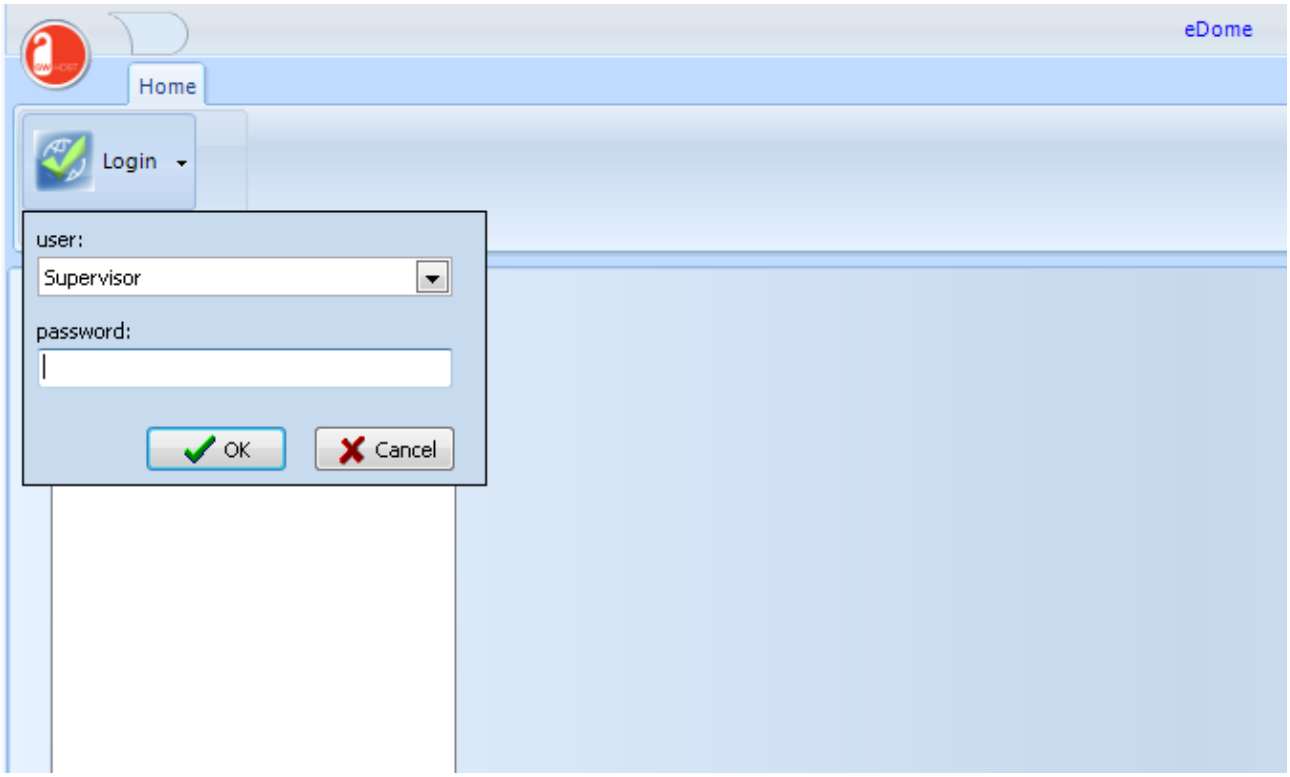
Reset workspace



Reset the position of *Panels*

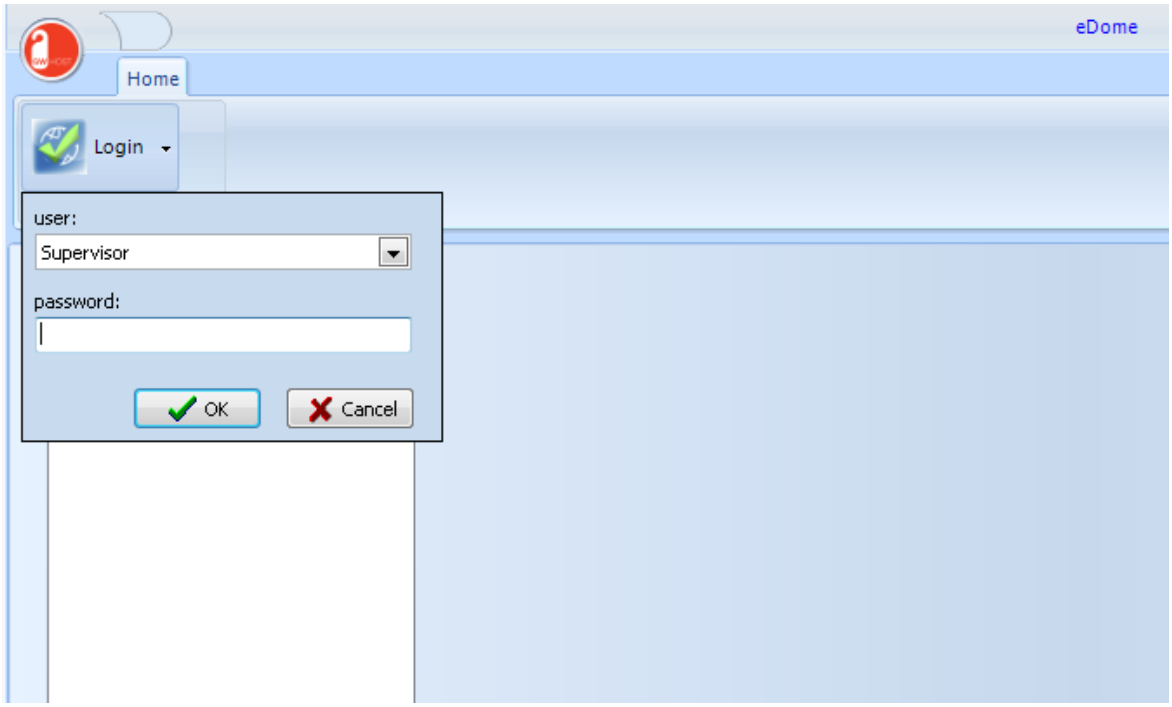
Operating mode

Lunch **EDome** and log in as Supervisor, default password for all automatic created users is *password*
Keyboard shortcut to login is CTRL+L

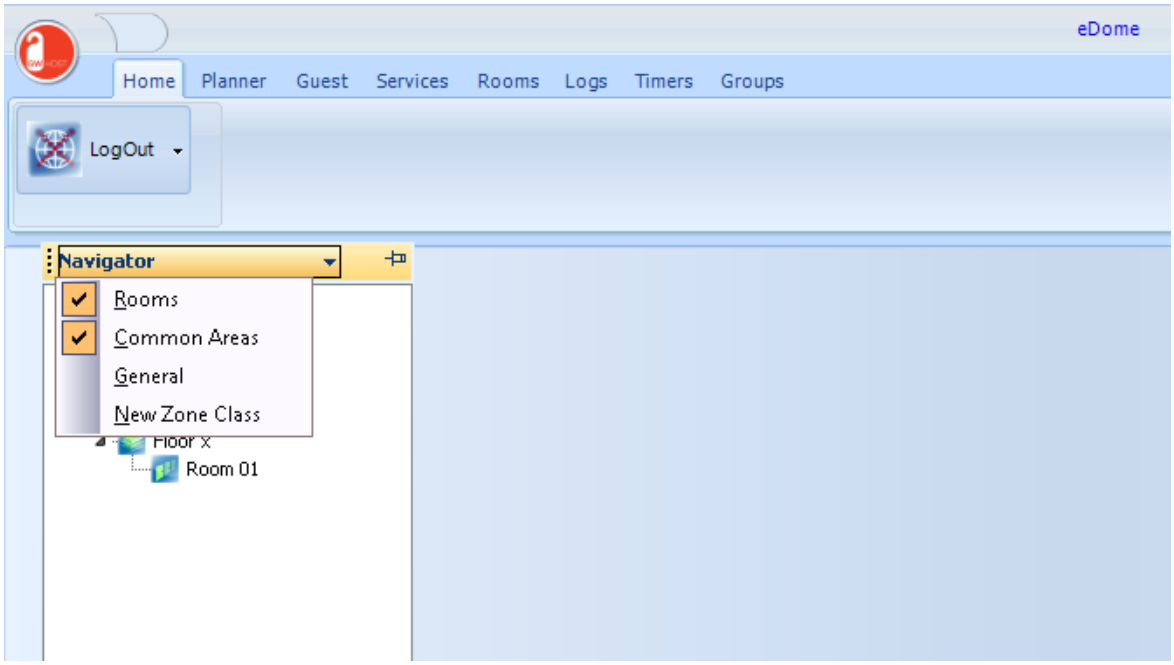


Navigat panel

After login on the left side of the form, the *Navigator* panel shows the structure of the project.



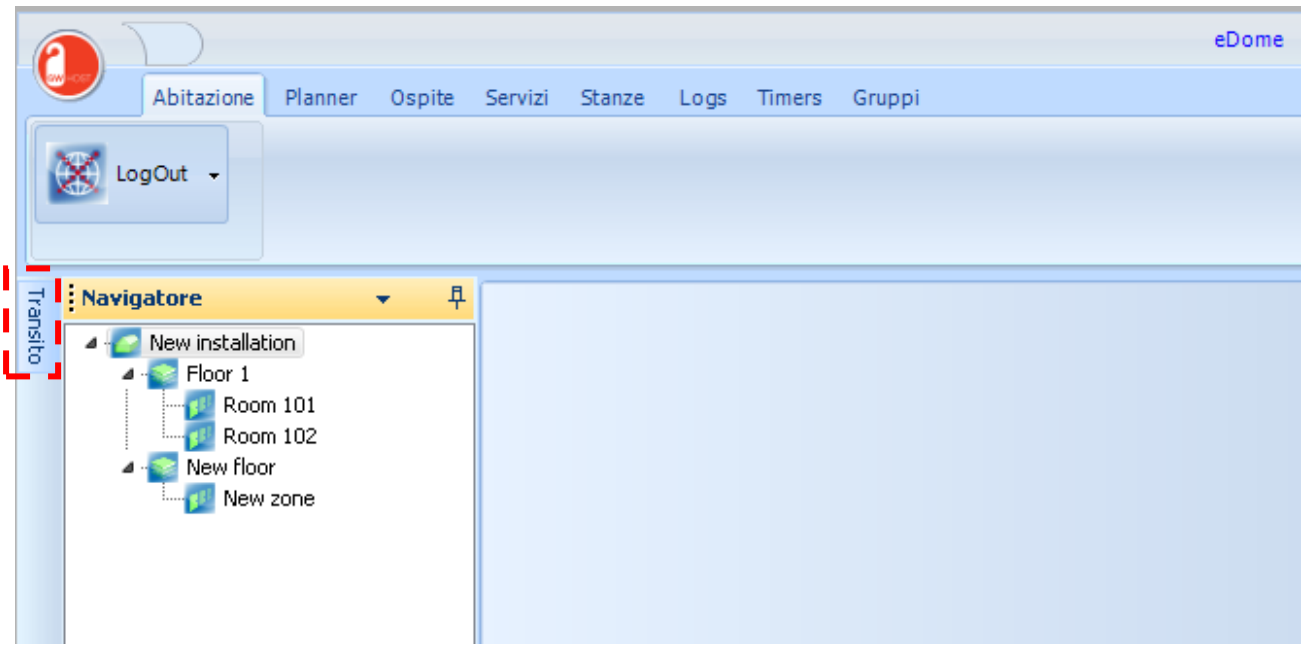
In the header of the *Navigator* panel, a button allow you to filter the list of the zones/pages according to the Zone Classes (see page 90) of membership.



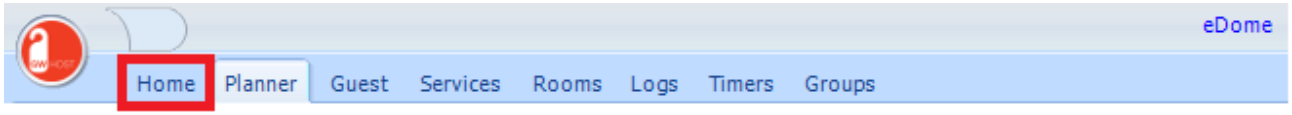
Selection refers to user logged, it's saved to be retrieved at each access.

Transit Panel

If option *View Transit By Zone* is checked (see page 101), the panel show the card data of the just recorder transit.



Home

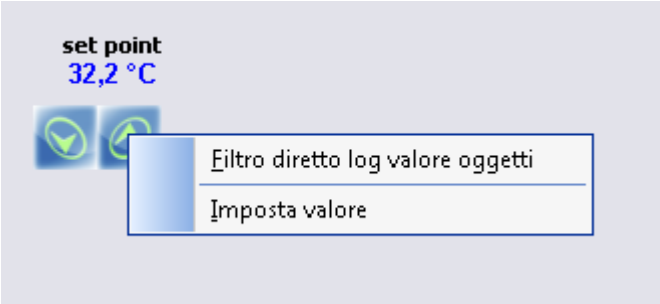


Is the page that show the status of the controls designed with **ETool**.

Note
The staus of the controls is kept synchronized by **Eknx** service. No polling actions are required, but make sure the service **Eknx** is always running:

Contextual Menù

Right click with the mouse over a control, the contextual menu is prompted.

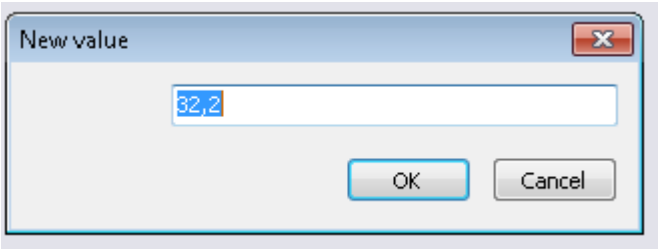


LogObjValueDirectFilter

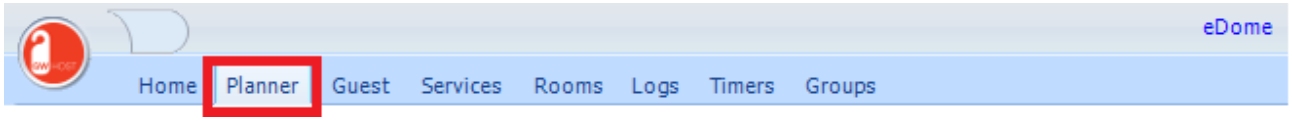
Active *LogObjValues* (see page 116) page setting the filter of the list for selected control.

Set KNX Value

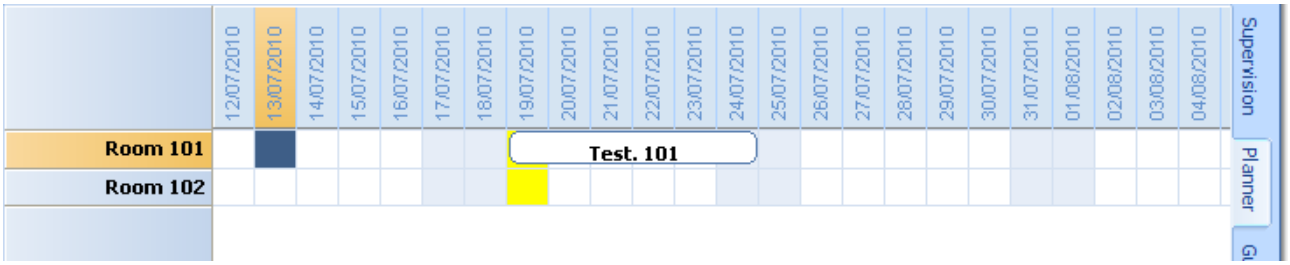
To move faster to a required value, a simple form is show for direct input value.



Planner



Planner show the list of the room. In each row, *Items* represents the Guest card.
The start and the end of the *item* display the validity of the card, the text inside the name of the card owner.
A yellow vertical line indicates the current date.

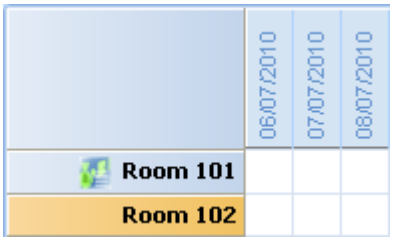


A period of 6 weeks is showed, to see an earlier or future period use the buttons:

Fixed column of the planner report the name of the room and some icons to display the room status or who is occupying the room.

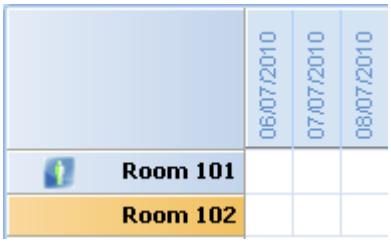
MakeRoom icon

If the room need to be cleaned, the icon below is displayed.

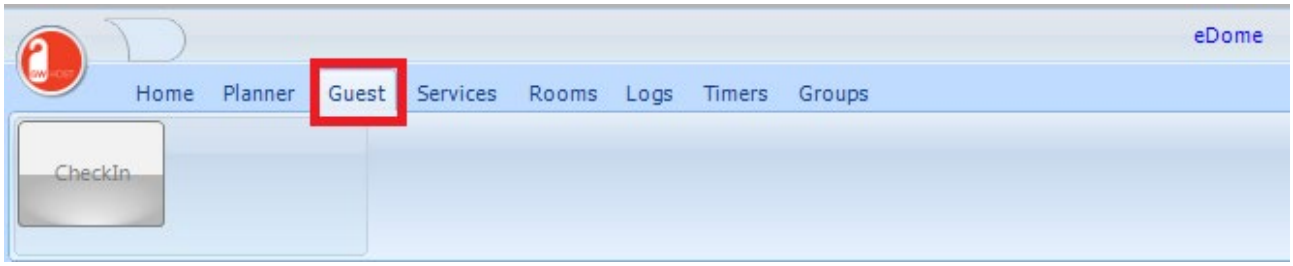


Who is in the room icon

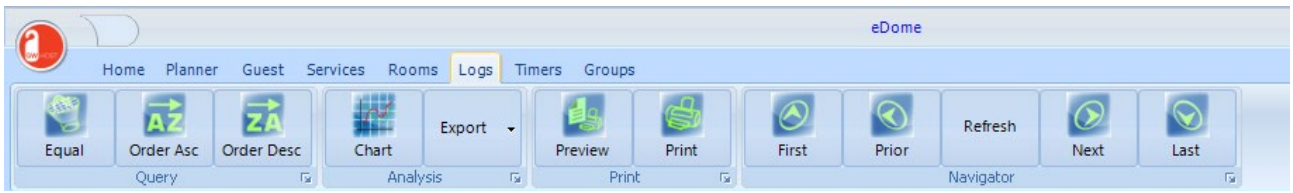
Different icons are used to show who is in the room. Data are collected from the bus and in particular from Card Holder



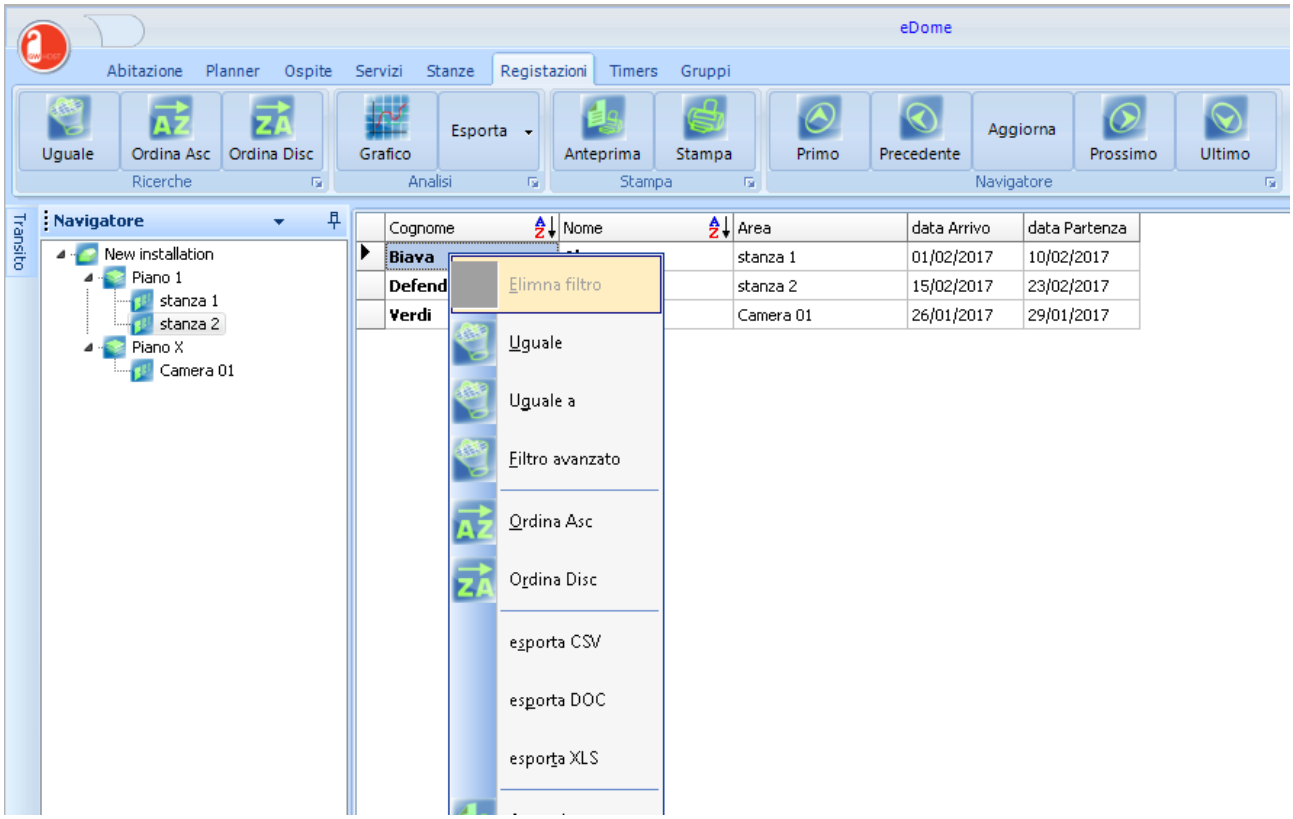
Guest



whenever a table view is chosen, a set of commands can be used to order or filter the data set.



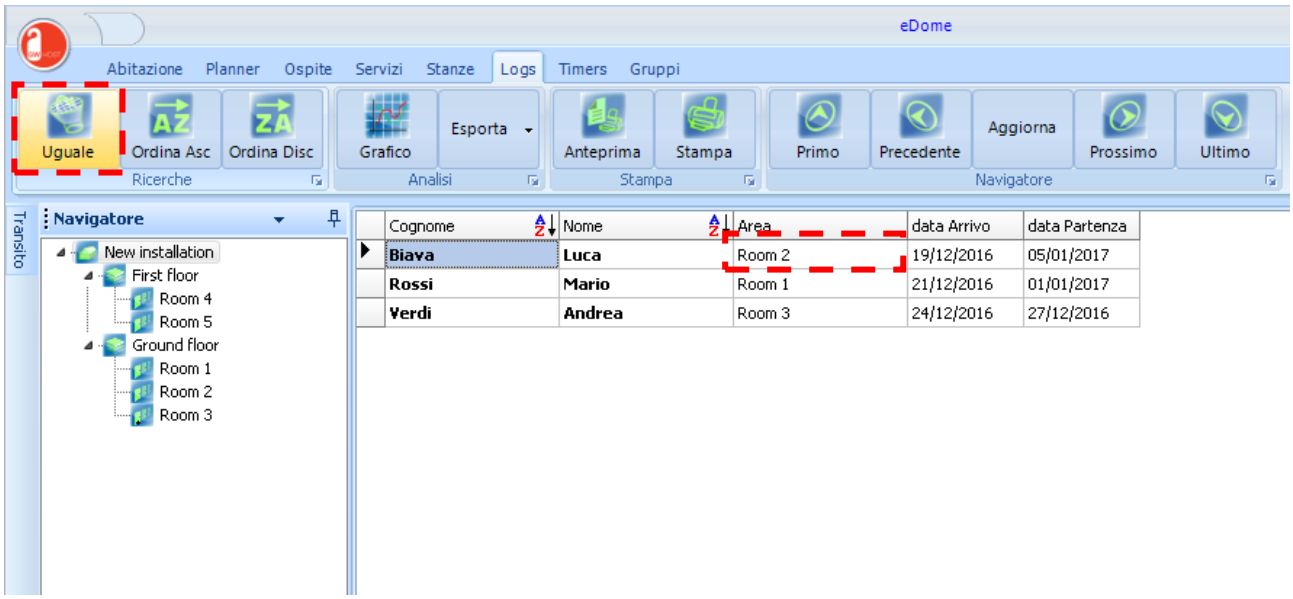
The same commands are available from the context menu (right click of the mouse over the table)



Note To export to DOC or XLS format Microsoft Office must be installed

Equal

Select a cell to use as a sample



Push *Equal* button or use contextual menu.

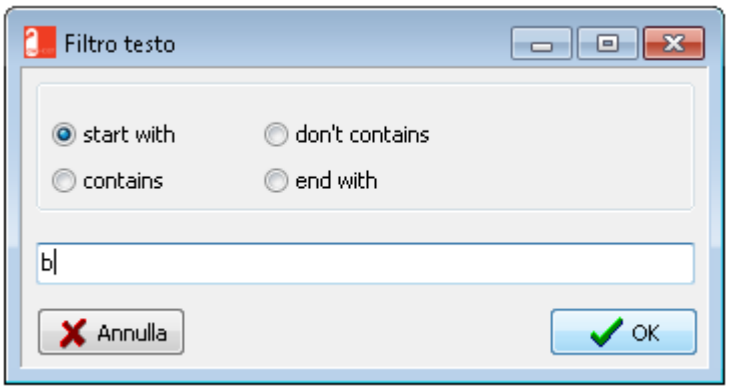
Surname	Name	Area	Arrival date	Departure date
Red	**Jhon**	*Room 101*	27/07/2010	29/07/2010
Test	**101**	*Room 101*	19/07/2010	24/07/2010
White	**Rose**	*Room 101*	01/08/2010	05/08/2010

Filtered fields are written in Italic character and the icon is reported in the field header.

Note To remove a filter, select the filtered field and click on Equal button

Advanced filter

Depending on the selected fields, different kind of forms are displayed:



Order Asc

Select a cell to sort the relative column from smallest to largest.
Sorted fields are written in **Bold** character and the icon is reported in the field header.

Note
To remove the sort, select the sorted field and click on Order Asc button

Order Desc

Select a cell to sort the relative column from largest to smallest.
Sorted fields are written in **Bold** character and the icon is reported in the field header.

Note
To remove the sort, select the sorted field and click on Order Desc button

Export

This function save to a file the data displayed in the table view, this means that **what you see is what you export**.

Note
To export to DOC or XLS format Microsoft Office must be installed

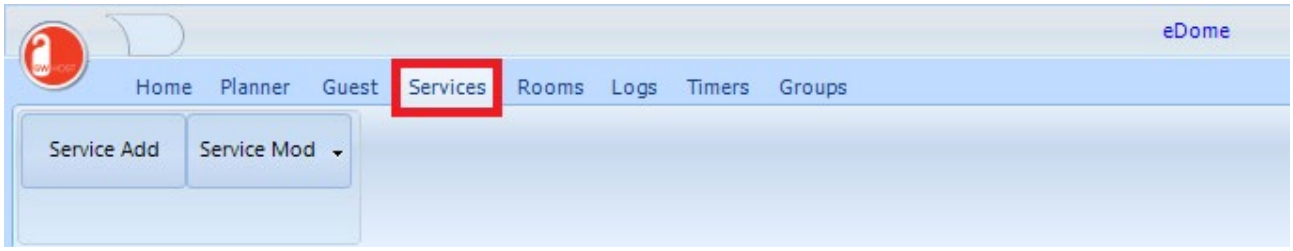
Print

Direct Print of the table.

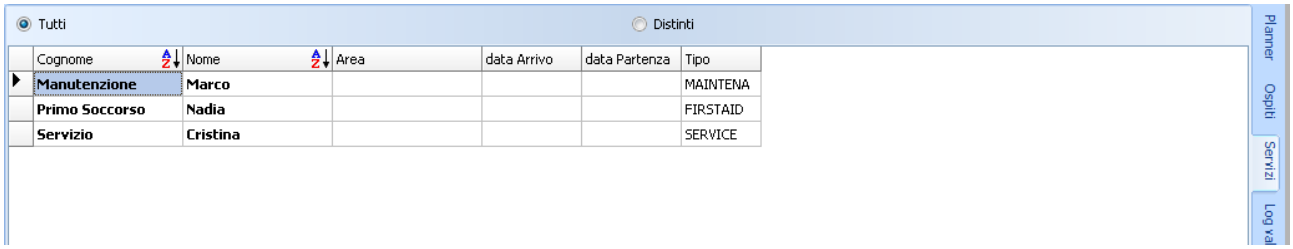
Delete

This function delete records listed in the table view, this means that **what you see is what you delete**. Set *filters* to table to make partial delete.

Services

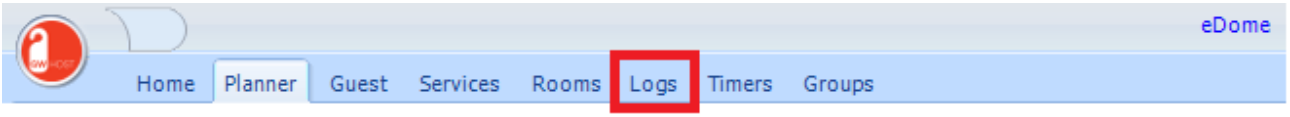


Services is a different way to present the Service card list.



It's similar to Guest list, but a new column display the service card type.
Refer to *Table View commands* for operations on Services table.

Log Obj Values

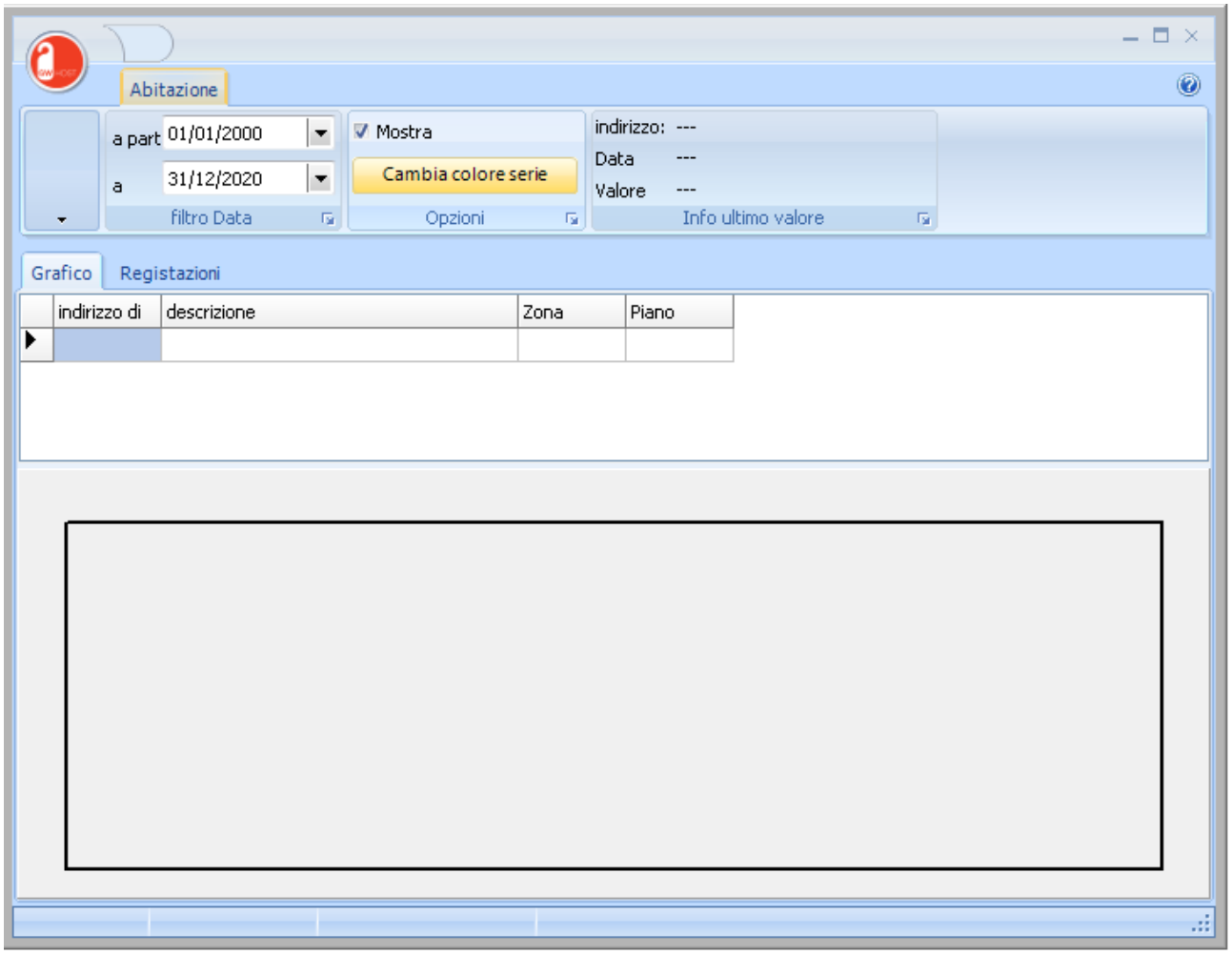


This table display the list of all recorded values for those CO where property *KnxLogChanged* has been set to True

Date	Time	Address	Value	units	Description	Zone	Floor
19/07/2010	11.31.51	1/0/243	27,28	°C	Actual Temperature	Room 101	Floor 1
19/07/2010	12.09.59	1/0/243	27,2	°C	Actual Temperature	Room 101	Floor 1
19/07/2010	12.39.52	1/0/243	26,88	°C	Actual Temperature	Room 101	Floor 1
19/07/2010	13.43.58	1/0/243	26,64	°C	Actual Temperature	Room 101	Floor 1
19/07/2010	14.51.16	1/0/243	26,8	°C	Actual Temperature	Room 101	Floor 1
19/07/2010	15.22.12	1/0/243	26,88	°C	Actual Temperature	Room 101	Floor 1
19/07/2010	11.28.20	1/2/1	28,9	°C	External Temperature	Room 101	Floor 1
19/07/2010	11.43.20	1/2/1	28,5	°C	External Temperature	Room 101	Floor 1
19/07/2010	11.58.19	1/2/1	28	°C	External Temperature	Room 101	Floor 1
19/07/2010	12.13.19	1/2/1	28,2	°C	External Temperature	Room 101	Floor 1
19/07/2010	12.28.19	1/2/1	28,3	°C	External Temperature	Room 101	Floor 1

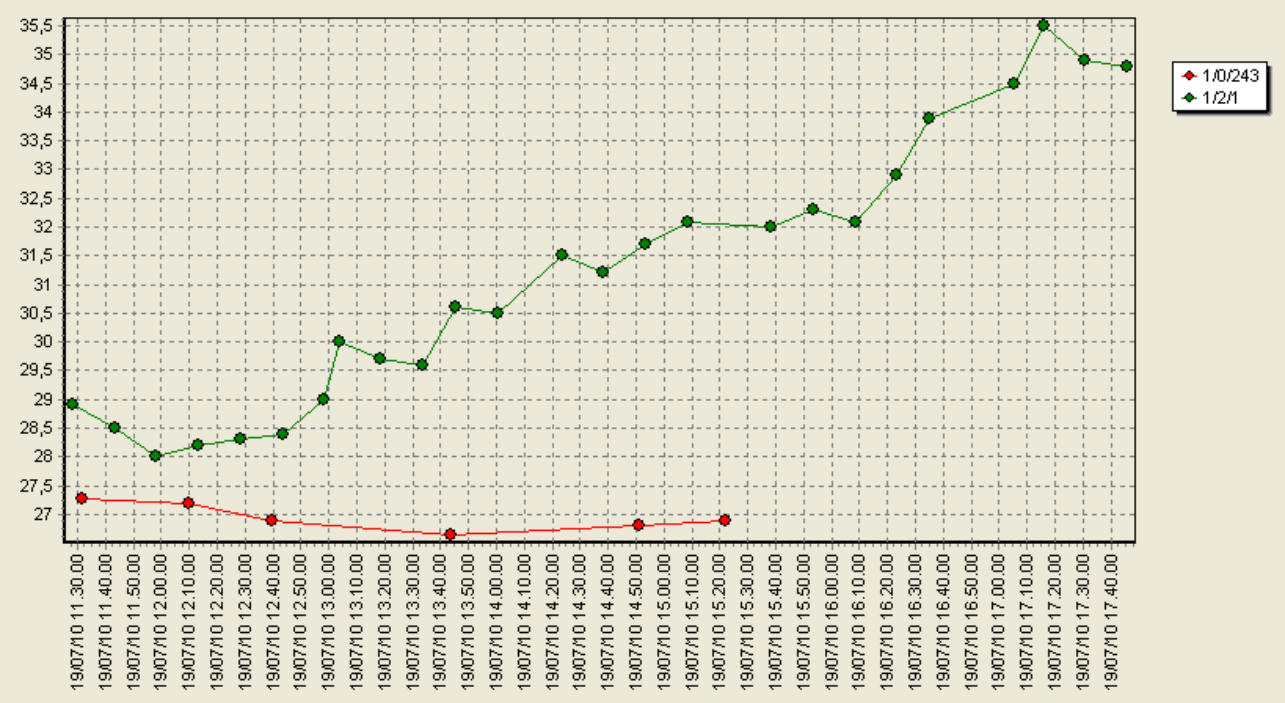
Chart function

Logged values can be represented in a graph.

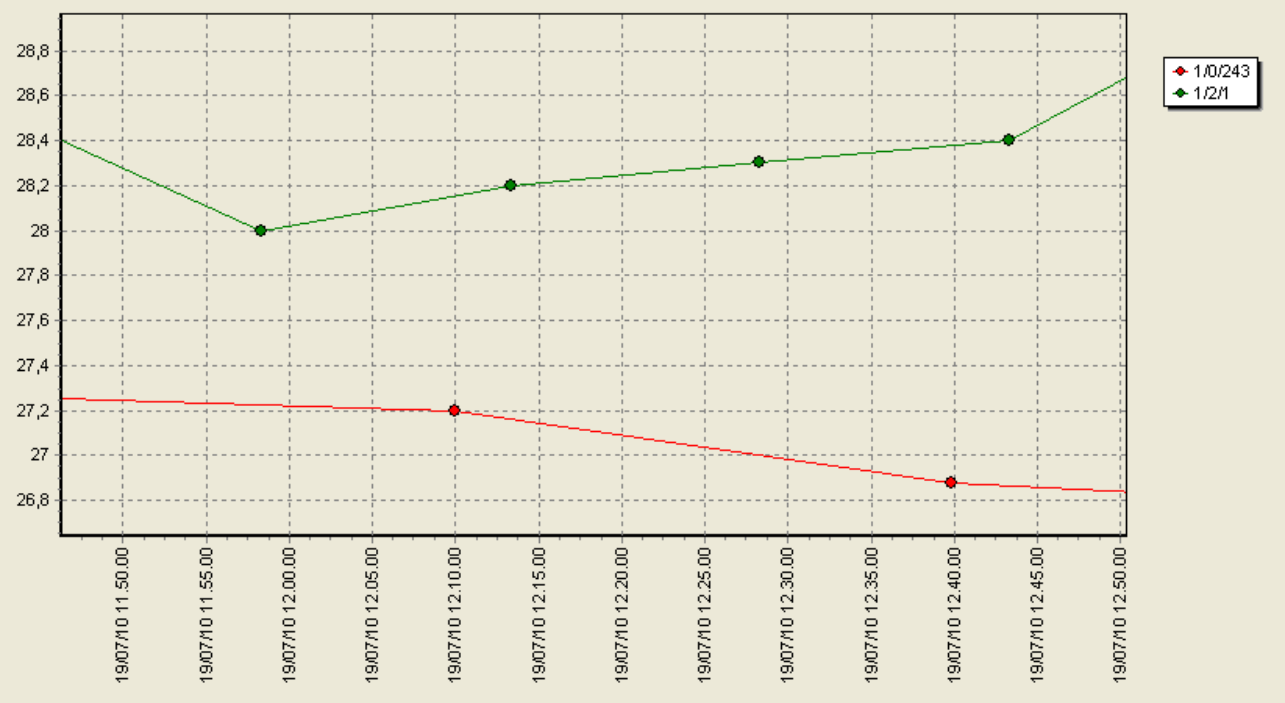


Series can be added or removed by the graph.
Filters can be applied to reduce the number of visible data.

Series are indentified by Group Addresses, and are drawn in different colors.



Using the mouse, the zoom function is achieved drawing a rectangular area from left to right over the graph. To zoom out, draw a simple rectangle from right to left.



Log Transit

This table display the list of valid and not valid transits.

Date	Time	Subject	Card type	Zone	code	
20/07/20	**11.52.28**	Test, 1002	GUEST	Room 101	40	VALID ACCESS
20/07/20	**11.52.23**	Test, 1001	GUEST	Room 101	00	NO VALID ACCESS
20/07/20	**11.48.01**	Test, 1001	GUEST	Room 102	00	NO VALID ACCESS
20/07/20	**11.47.47**	Test, 1002	GUEST	Room 102	00	NO VALID ACCESS

Refer to *Table View commands* for operations on Log Transit table.

Note
Valid or not valid transits are logged only if EKnx module is rumming.

Romm to clean

This table display the list of Make Up Room records, automatically inserted by the system at Guest Check Out or from a Guest request.

Floor	Zone	Date	Time	cleaned at	
Floor 1	Room 101	**15/07/20**	**16.54.18**	16/07/2010	10.19.23
Floor 1	Room 101	**15/07/20**	**16.54.18**	16/07/2010	10.19.23
Floor 1	Room 101	**15/07/20**	**16.54.17**	16/07/2010	10.19.23
Floor 1	Room 101	**15/07/20**	**16.54.17**	16/07/2010	10.19.23
Floor 1	Room 101	**15/07/20**	**11.41.39**	16/07/2010	10.19.23
Floor 1	Room 101	**15/07/20**	**11.41.39**	16/07/2010	10.19.23
Floor 1	Room 101	**15/07/20**	**11.40.54**	16/07/2010	10.19.23

Refer to *Table View commands* (see page 111) for operations on Log Room To Clean table.

Note
Romm can be set as cleaned by the supervision software too.
Selecting the desired record/log, press the button.

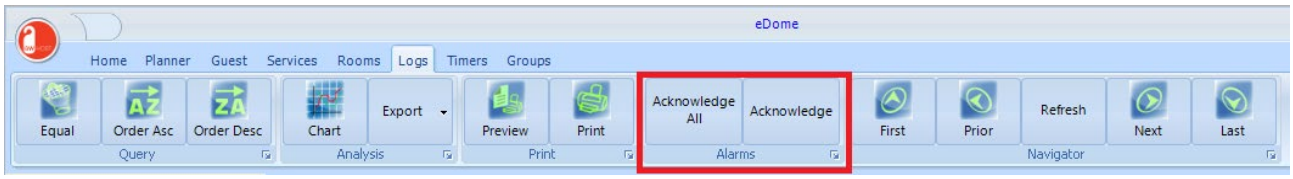
Log Allarm

This table display the list of alarms events.

Date	Time	Description	Floor	Zone	Zone class	Acknowledged
19/07/20	**11.28.05**	Bathroom alarm	Floor 1	Room 101	Rooms	0
19/07/20	**11.20.35**	Bathroom alarm	Floor 1	Room 101	Rooms	0
19/07/20	**11.20.34**	Bathroom alarm	Floor 1	Room 101	Rooms	1
19/07/20	**10.01.36**	Bathroom alarm	Floor 1	Room 101	Rooms	0
19/07/20	**9.59.08**	Bathroom alarm	Floor 1	Room 101	Rooms	1

Refer to *Table View commands* for operations on Log Alarm table.

Note
Alarms must be acknowledge, two buttons allow you to buy off single log or all the logs



Log App Events

This table display the list of system messages.
These logs should help the installer or maintainer of the system to understand the cause of errors or to verify the proper execution of the tasks.

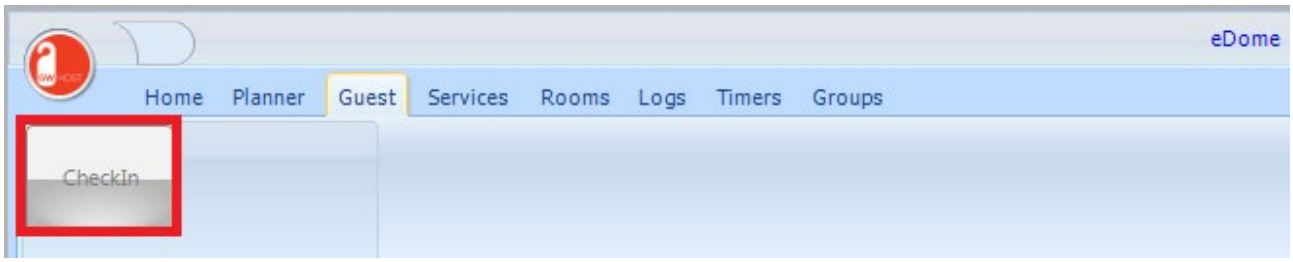
Date	Time	Msg	Application	Event
22/07/20	10.59.13	[1] Supervisor	eHotel	Login
22/07/20	10.52.29	[1] Supervisor alarm cancel: 19/07/2010 9.59.08 Bathroom alarm Room 101	eHotel	undefined
22/07/20	10.52.26	[1] Supervisor alarm cancel: 19/07/2010 11.20.34 Bathroom alarm Room 101	eHotel	undefined
22/07/20	10.44.37	[1] Supervisor	eHotel	Login
20/07/20	11.49.43	[1] Supervisor	eMonitor	Login
20/07/20	11.40.41	[1] Supervisor	eTool	Login
20/07/20	11.29.45	[1] Supervisor	eHotel	Login

Refer to *Table View commands* for operations on Log App Events table.

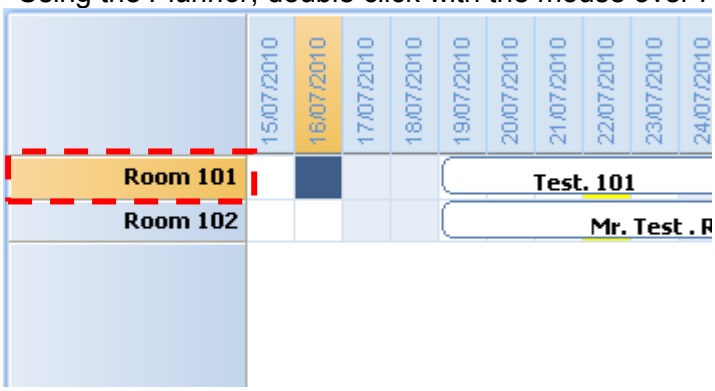
Guest card

There are several ways to generate a Guest card:
- Double click with the mouse over the *Navigator* items

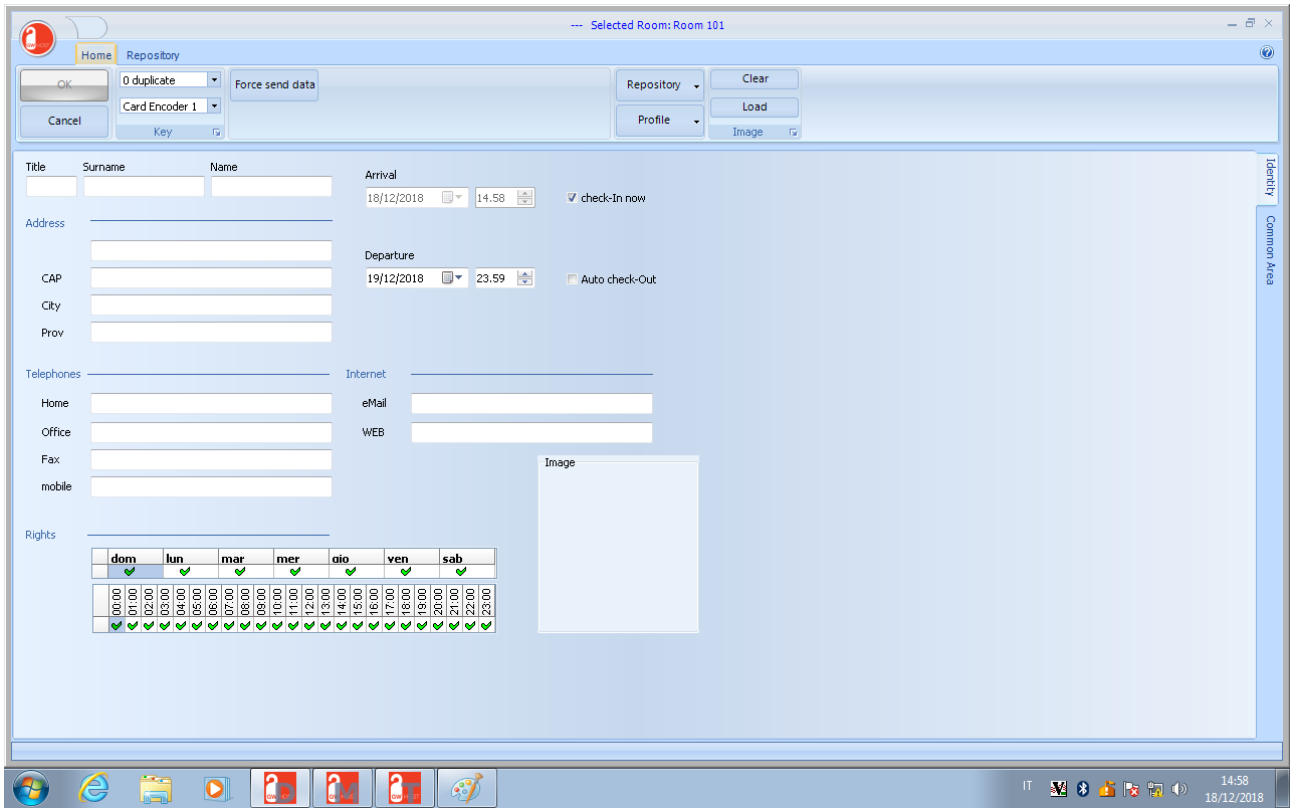
Selected item must be referred to a zone/page classified with ***room*** property Class Zone.
- After selecting an item in the *Navigator*, push the *CheckIn* button in *Guest* tab.



- Using the *Planner*, double click with the mouse over Room list column



Make a new Guest card



Identity

At least *Surname* and/or *Name* fields must be filled with data to proceed with the generation of the card.

Check-In now option

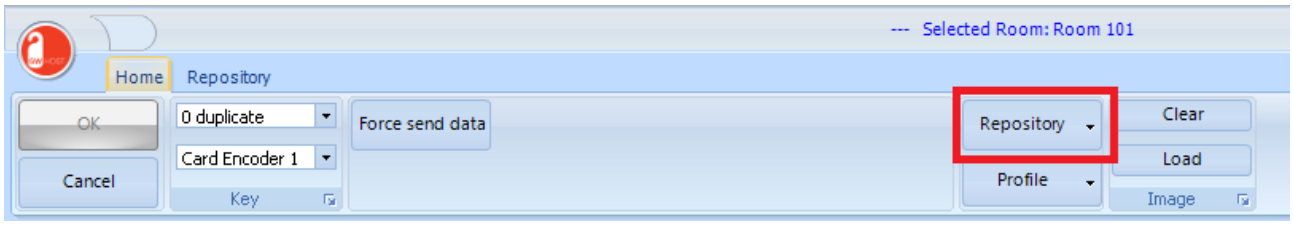
If checked, even if the check-in is postponed in time, telegrams are sent immediately to the bus.

Auto check-Out option

If checked, it's possible to *Block* (see page 126) the room automatically at given time. Otherwise the card will expire at the midnight of the given date.

Repository

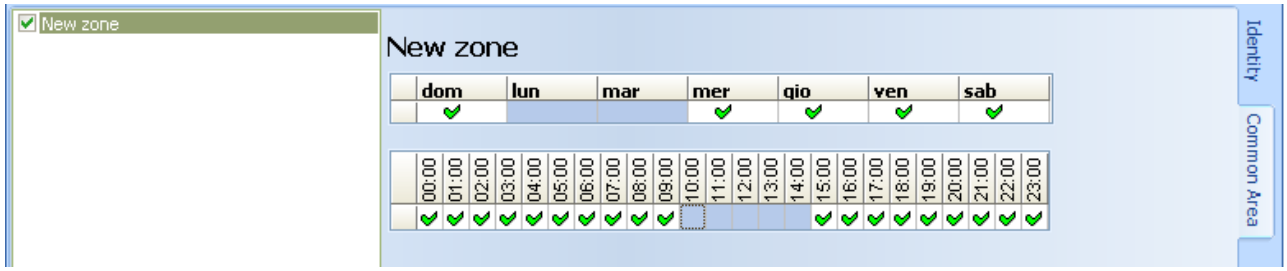
Every time a card is created, inserted data are stored into a repository.



Use this function to recall data of frequent Guests and fill automatically fields.

Common Area

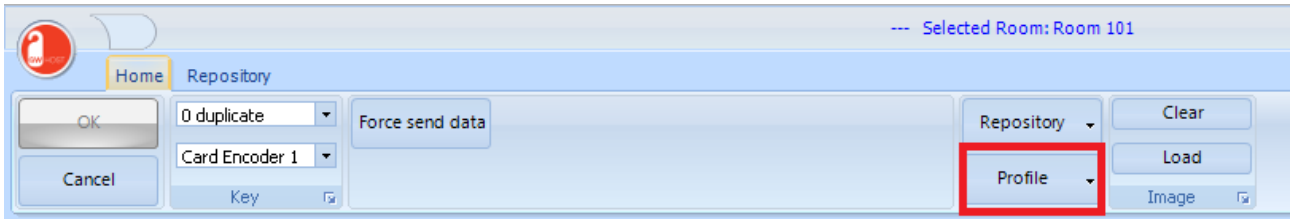
Many *Common Areas* can be joined to a Guest card.
Each joined Common area can have a profile.



Note
Common area profile could be different for each zone

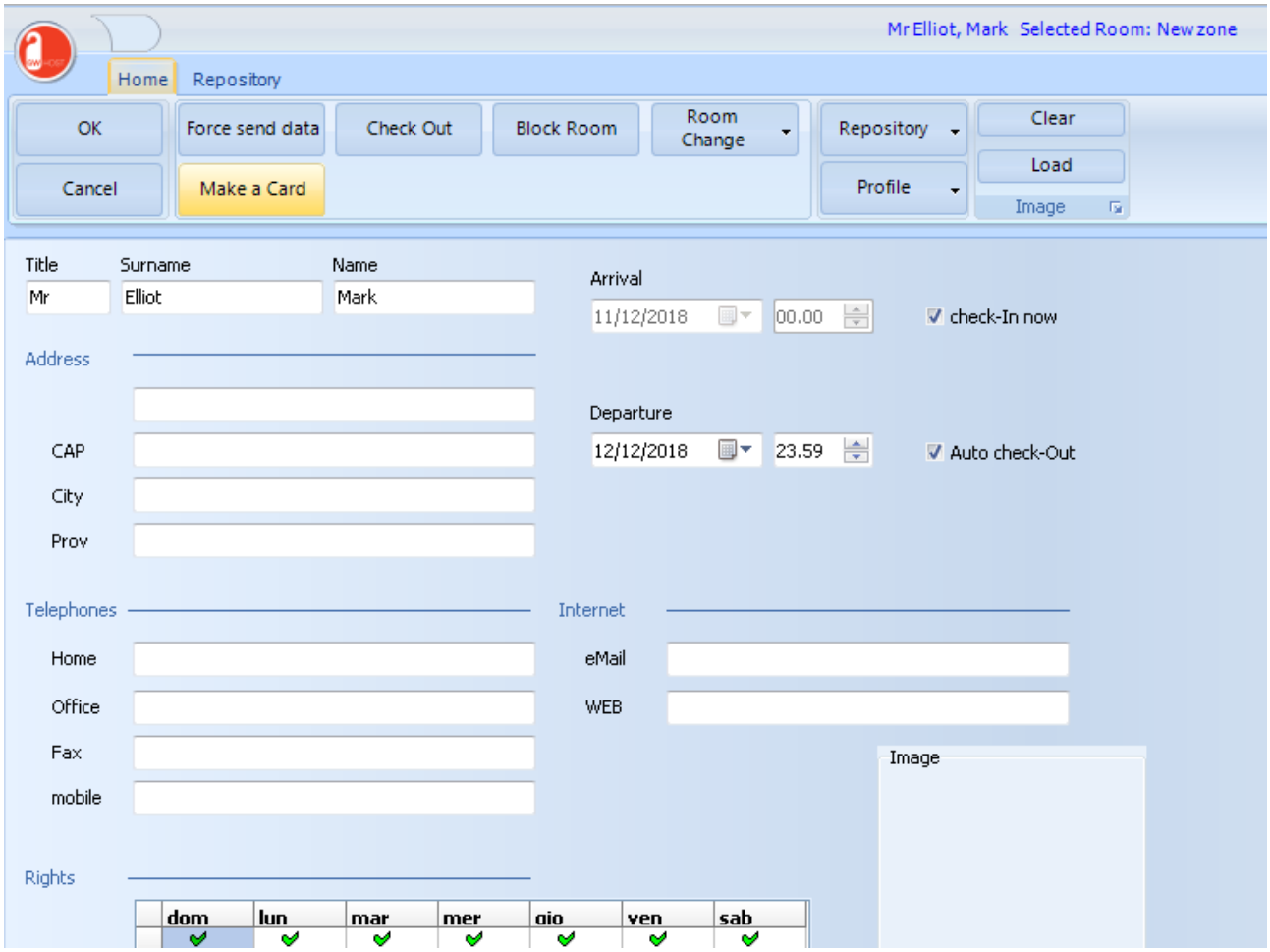
Profile

Use this function to inherit the profile of the common area from a already created card.



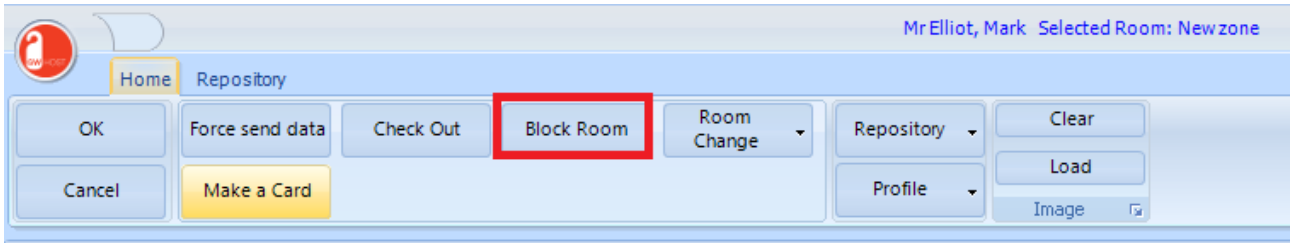
Edit existing Guest card

You can change the the cards already created, double clicking with the mouse on the *Items* displayed in the *Planner*, or in the Guest list view..



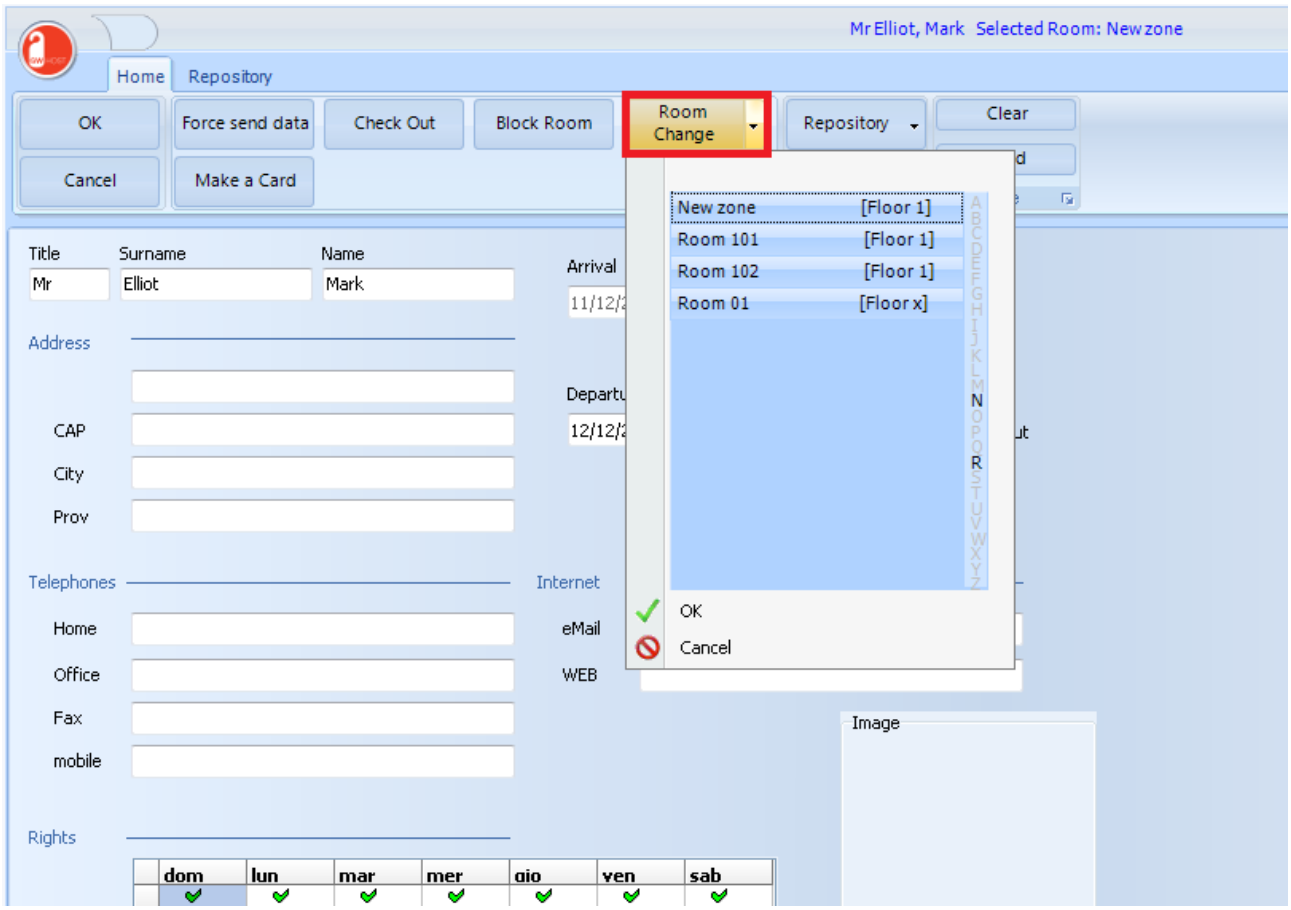
Block Room

Temporarily disable the entrance for the Guest to his room, if the room is already Blocked, *Block Room* button is not visible and a new button *Unblock Room* is visible.



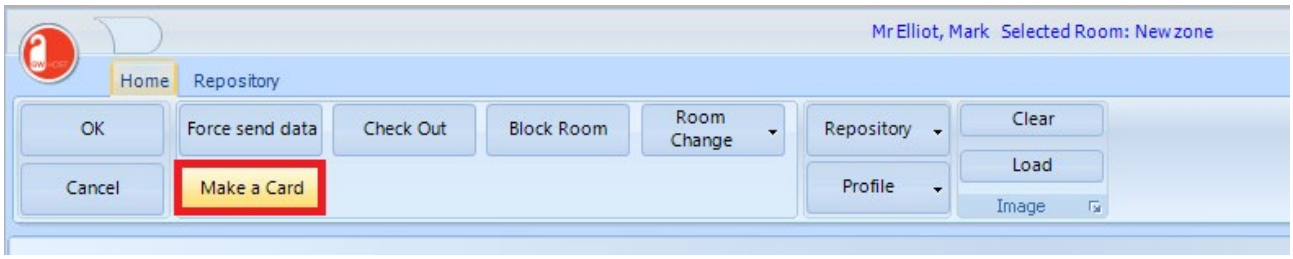
Room Change

Move a Guest from a room to another one



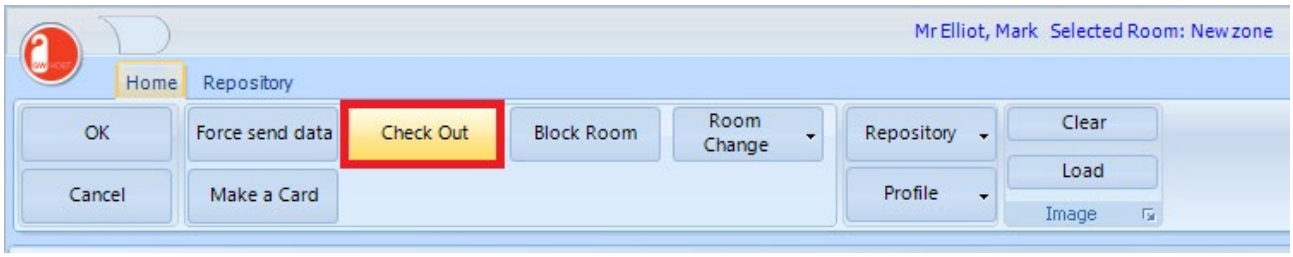
Make a Card

Create an identical copy of the selected Guest card.



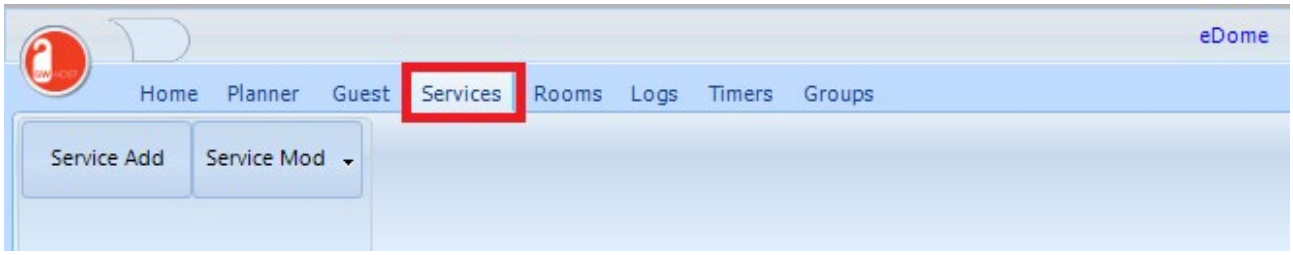
Delete Guest card

Checking Out means delete a card from the database and send commands on the bus to revoke rights.

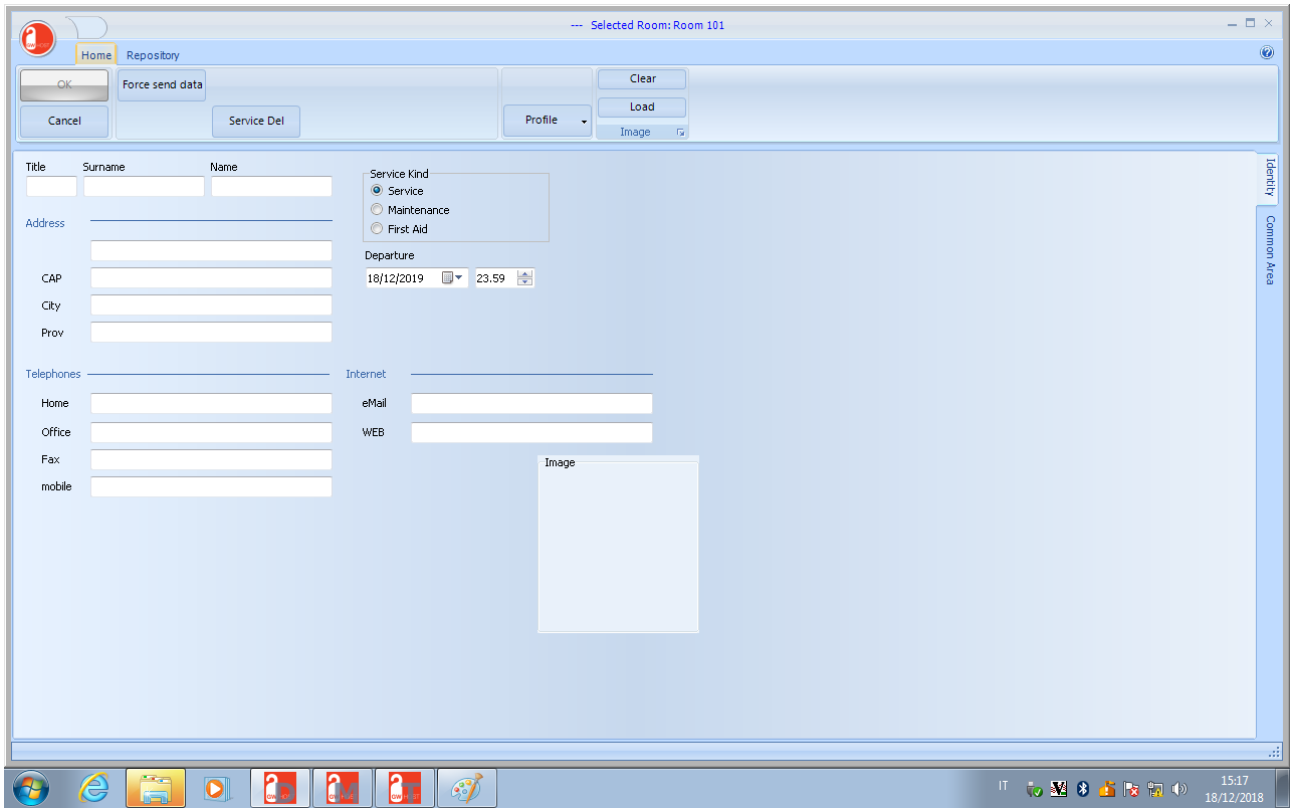


Service

To create a “Service” card go to tab Service



Make a new Service card



Identity

At least *Surname* and/or *Name* fields must be filled with data to proceed with the generation of the card.

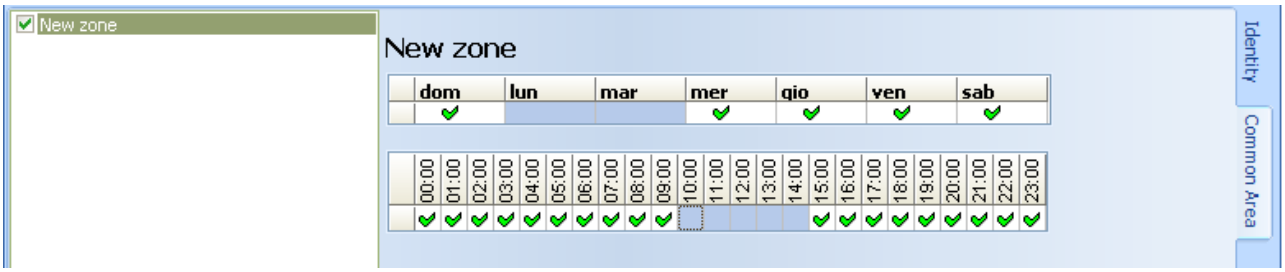
Service kind

Choose the card type.

Note
After creating the card, you cannot change the card kind.

Common Areaa

Many rooms and many *Common Areas* (see page 90) can be joined to a *Service* card.
Each joined area can have a profile.



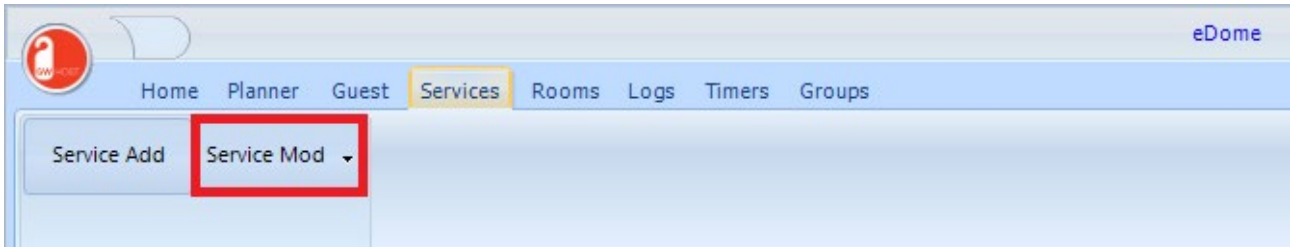
Note
Profiles could be different for each zone

Profile

Use this function to inherit the profile of the common area from a already created card.
Is trhe same used in Guest card

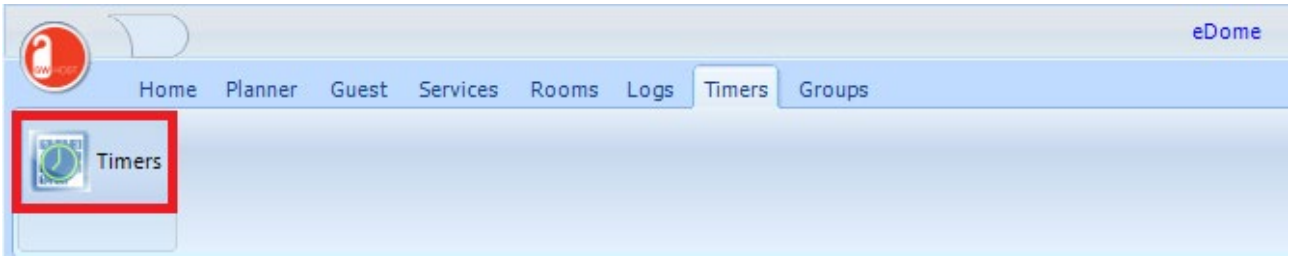
Edit existing Service card

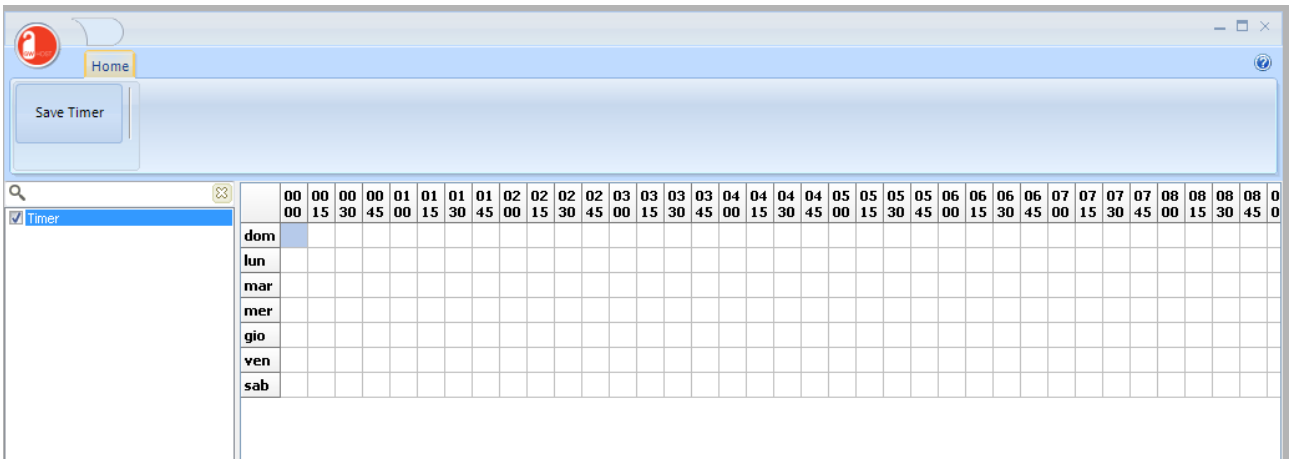
Use the button in Services tab or double click with the mouse in *Service* list view to edit a service card.



Timers

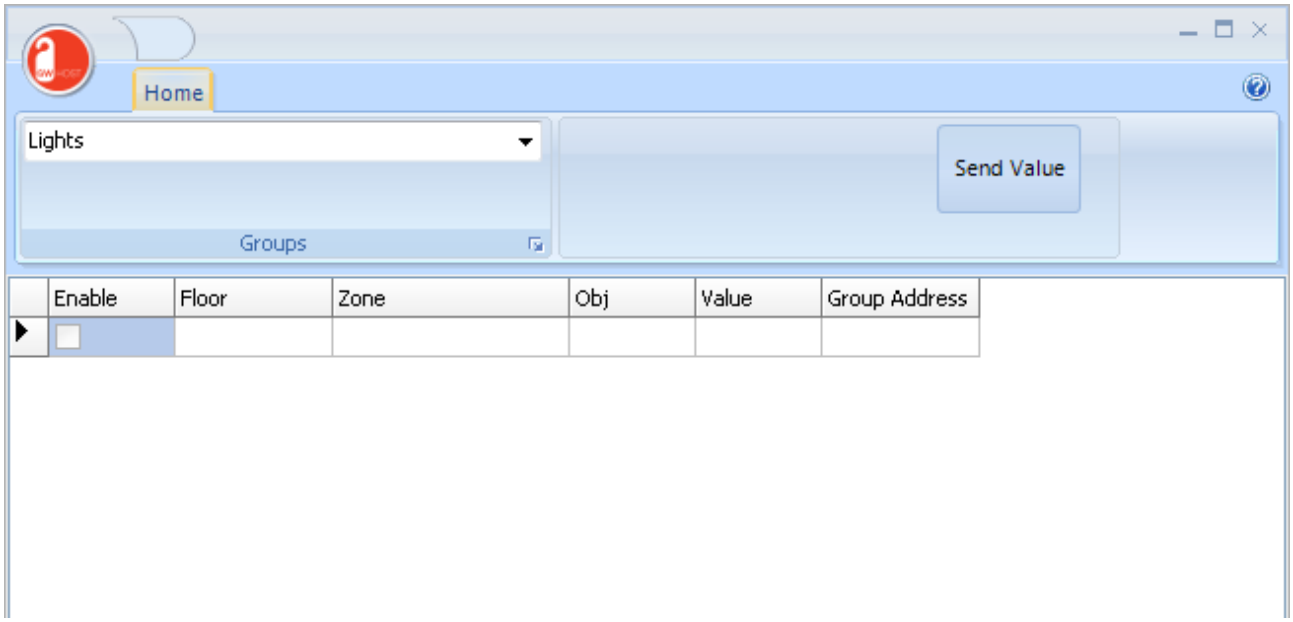
Access the *Timers* function pushing button in Timers tab.





Groups

Access the *Groups* function pushing button in Groups tab.



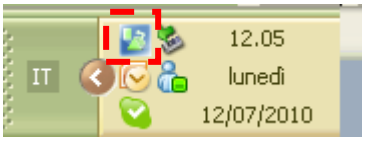
EProg

Connected to a compatible card encoder, manages the encoding of transponder cards.
To execute it, go to **GWHOST** menu and chose **EProg**.

Note
Before you can encode a card, it must have been set the Build n° using Emonitor function Set Build n°.
If Build n°has not been set a error message will be showed.

Function

During the execution of **EProg**, its own icon appear in tray bar.

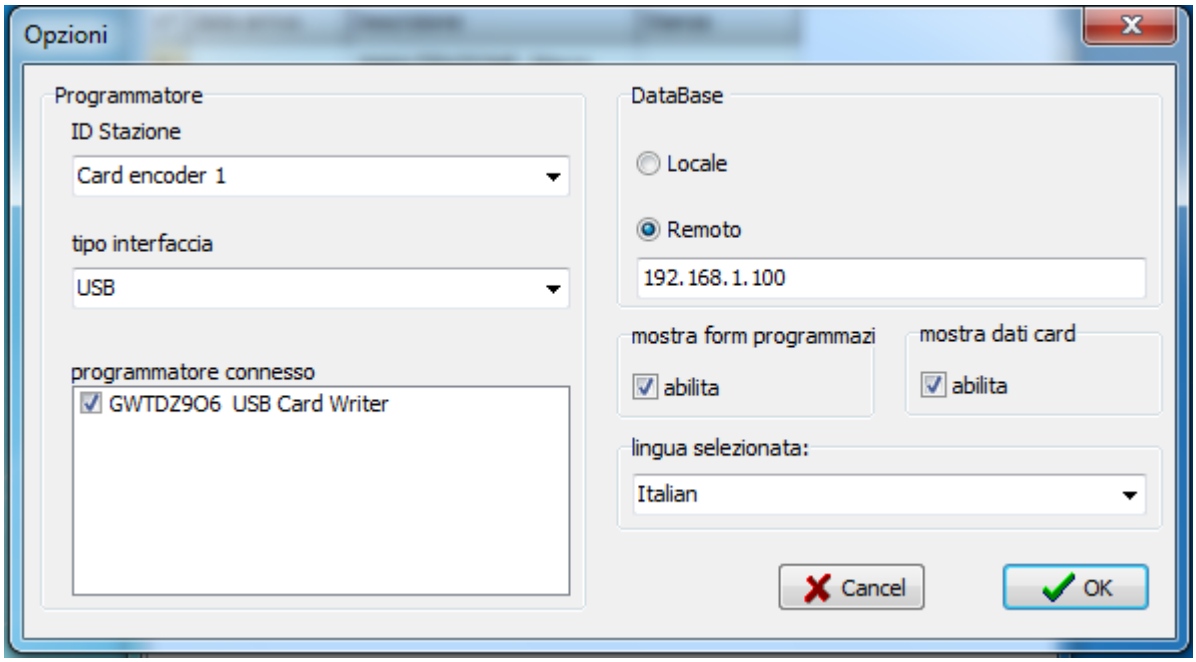


Right click with the mouse on the tray bar icon to show the context menu.

Exit
Close the application

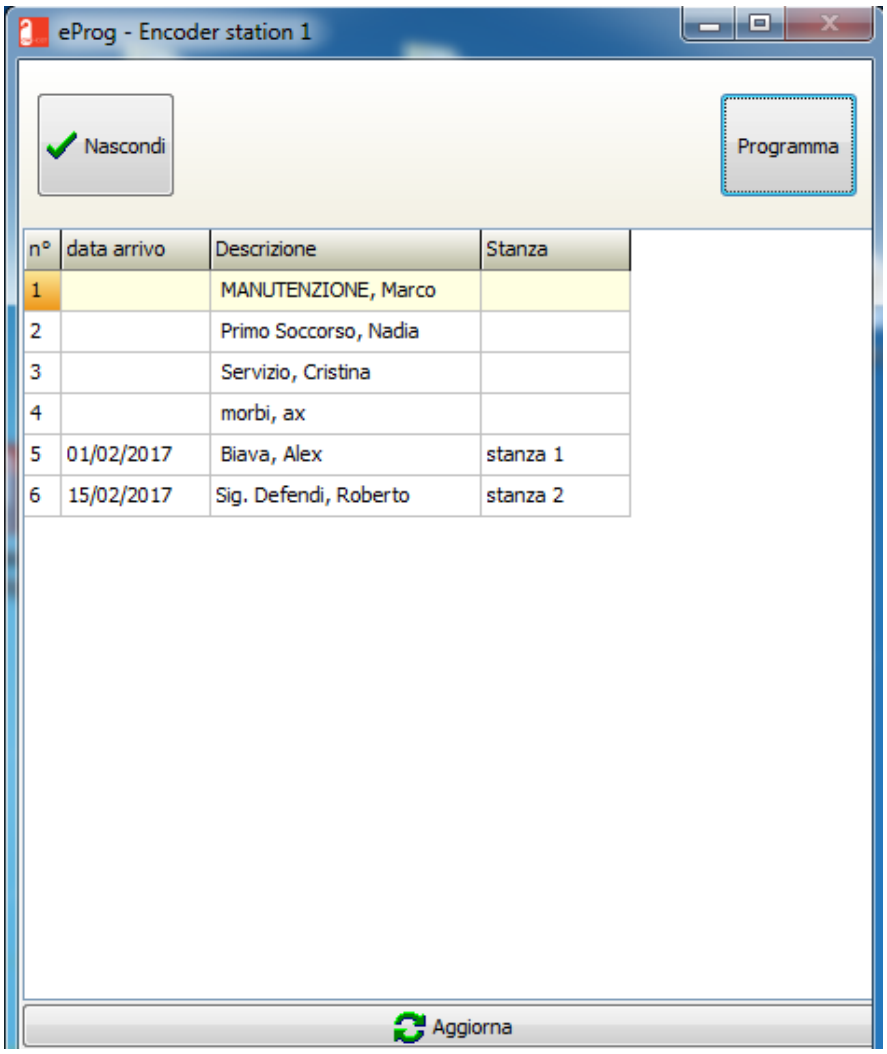
About
Show you information about the version

Options



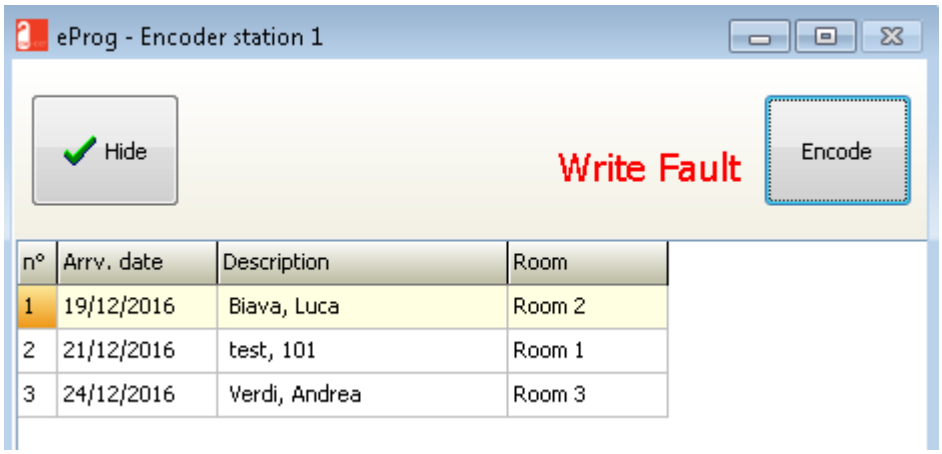
Station ID
Up to five encoder station can be managed.
NB
Don't define two station with the same ID in the same project.
Interface type
USB or *Serial* interface are managed.
Regarding the serial interface, the popup component show the serial port installed into the system.
If USB is chosen, you have to chose one encoder from a list of connected encoder.
Database
Local, running on the same PC and non parameters are required or *Remote* and ip address or name of the remote pc must be assigned.
Popup form
If enabled and new cards are queued ready for encoding, the programming form is showed
Popup Card Data
If enabled and a card is inserted into the encoder, card owner data are shown.
Selected language
Current section selected language.

Encoding popup form



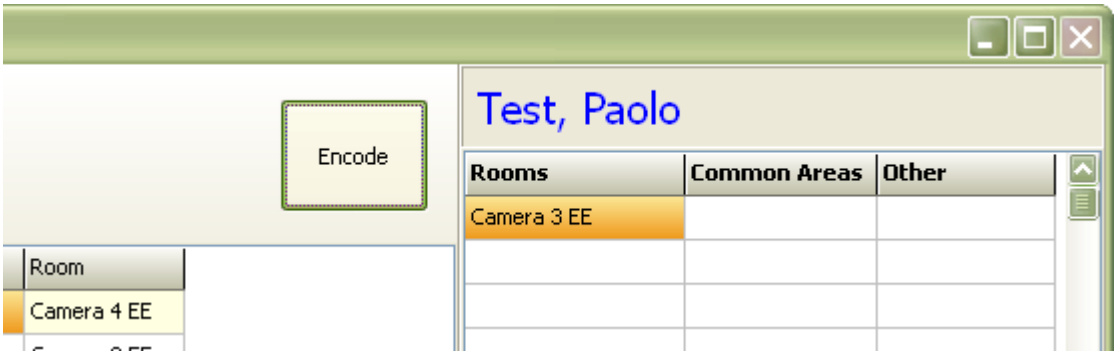
In the middle of the form a list show cards to be encoded order by Arrival date and Description. It's possible to choose which card to encode simply selecting with the mouse the desired row.

In the header, Encode button starts the procedure to encode a Card.
During the programming phase, a progress indicator show that the procedure has begun and is running.
If the encode fails, you are advised by the following written



Otherwise a *Write OK* message shows the programming is successful

After few seconds, if *Popup Card Data* is enabled, on the right side of the main form, details of the just encoded card are shown.



Windows Vista / Win7 Installation Note

General

Before installing modules and ESuite be sure to Log In with Administrator rights.
In Windows Vista, you must run the installer while logged on as a user with administrative privileges, because changes to the Program Files directory require elevated security.
Disable UAC (User Account Control)

Firebird

After installing Firebird, and before proceeding with installation of ESuite module, check the value of this parameters in Firebird.conf file.
Open to edit Firebird.conf file, usually located in:
C:\{Program Folder}\Firebird\Firebird_2_0\firebird.conf
Search the line
#RemoteServicePort = 3050
Remove the "#" at the beginning of the line and check that the number is **3050**
Search the line
#RemoteAuxPort = 0
remove the "#" at the beginning of the line and change 0 with **3055**
Search the line
#IpcName = FIREBIRD
remove the "#" at the beginning of the line and change in **IpcName = Global\FIREBIRD**
Save the file.

Changes have effect after the restart of Firebird service; go to "Control Panel" and execute the applet "Firebird 2.0 Server Manager" to Stop and Restart the service..

Client/Server installation

Server Firewall settings

To ensure communication between modules, in particular for Client/Server installation, check that your firewall allow traffic on this **tcp** port:

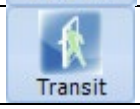
☐3050
☐3055
☐3060

NB
The tcp port numbers reported above are the default ones.
For custom installation, refer to the used ones.

Date time synchronization

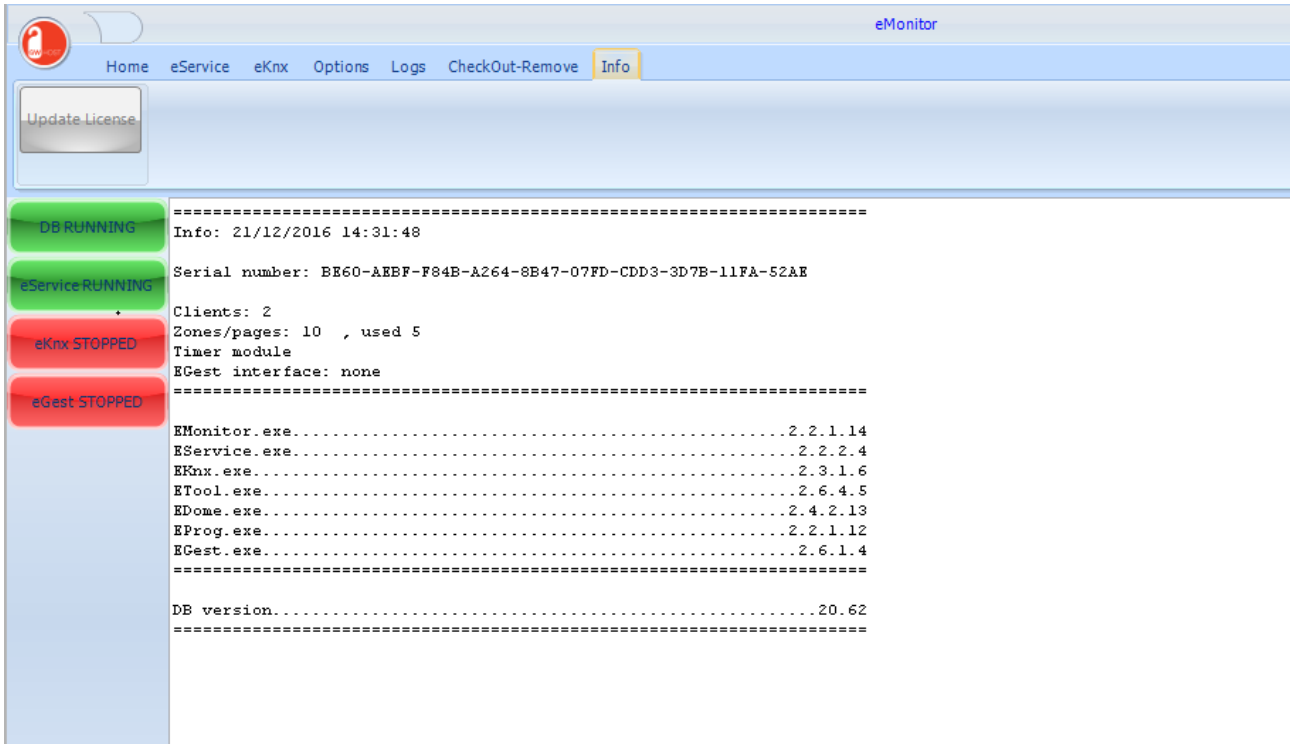
In a Client/Server installation, is mandatory that all the workstation running ESuite are date/time synchronized.
Otherwise, there may be a delay between the time of sending the command from the client and execution of the same.
Refer to the IT manager to set the correct NTP (network Time Protocol) server according to the OS installed.

Correspondence between ETS communication Object and Etool control

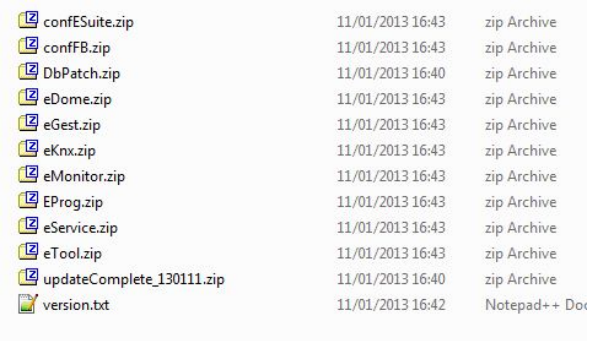
ETool control	ETS communication objects **READER**	 **HOLDER**
	CO 11 - Guest Data	CO 6 - Guest Data
	CO 10 - Build Number	CO 5 - Build Number
	CO 12 - Access Code	CO 7 - Access Code

How to update ESuite

Update ESuite consist of replace existing executable files with newer one.
The version of already installed files can be check with EMonitor, just looking at the “Info” tab.

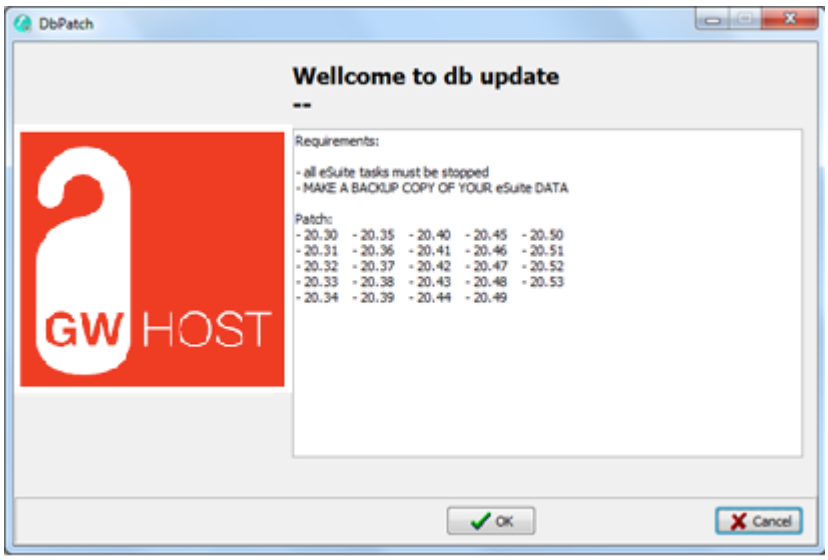


Update files are available as single packed archive

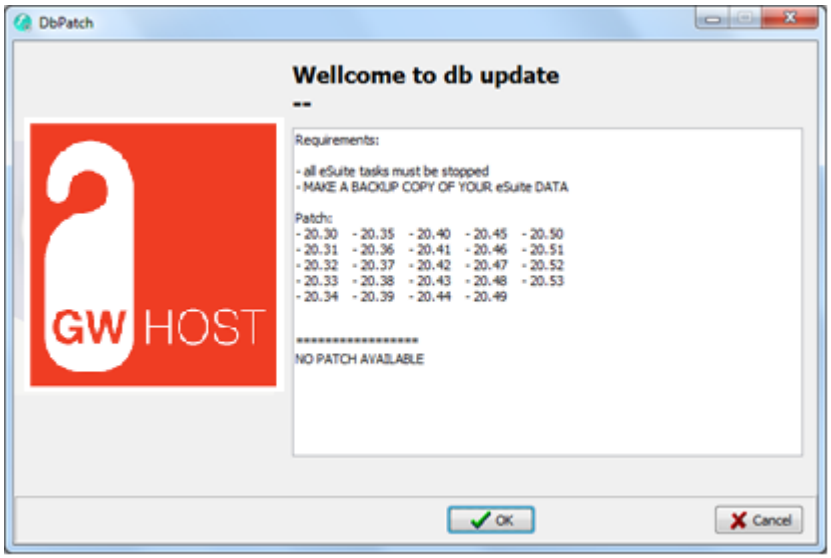


or as a complete packed archive (ex. updateComplete_YYMMDD.zip)

follow these steps to proceed with the update:
1. stop all the eSuite tasks/and services
2. before replace existing executable files, it's recommended to make a copy/backup of the already installed ones.
3. Make a backup of the working db (refer to eTool page 95)
4. Unpack the archives
5. copy just unpacked files to Esuite program folder (by default {programs folder}\eSuite
6. run DBPatch.exe to update the db schema.



according to the actual db version, You have to run DBPatch.exe until you get the message “NO PATCH AVAILABLE”



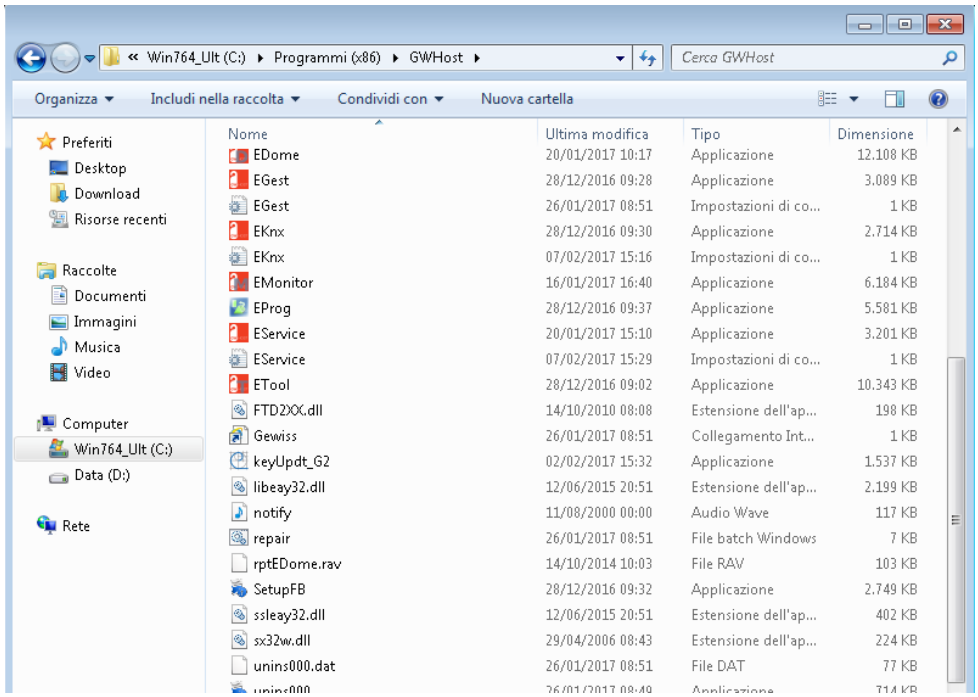
How to repair a corrupted EBox.fdb file

Principal causes of database corruption are:

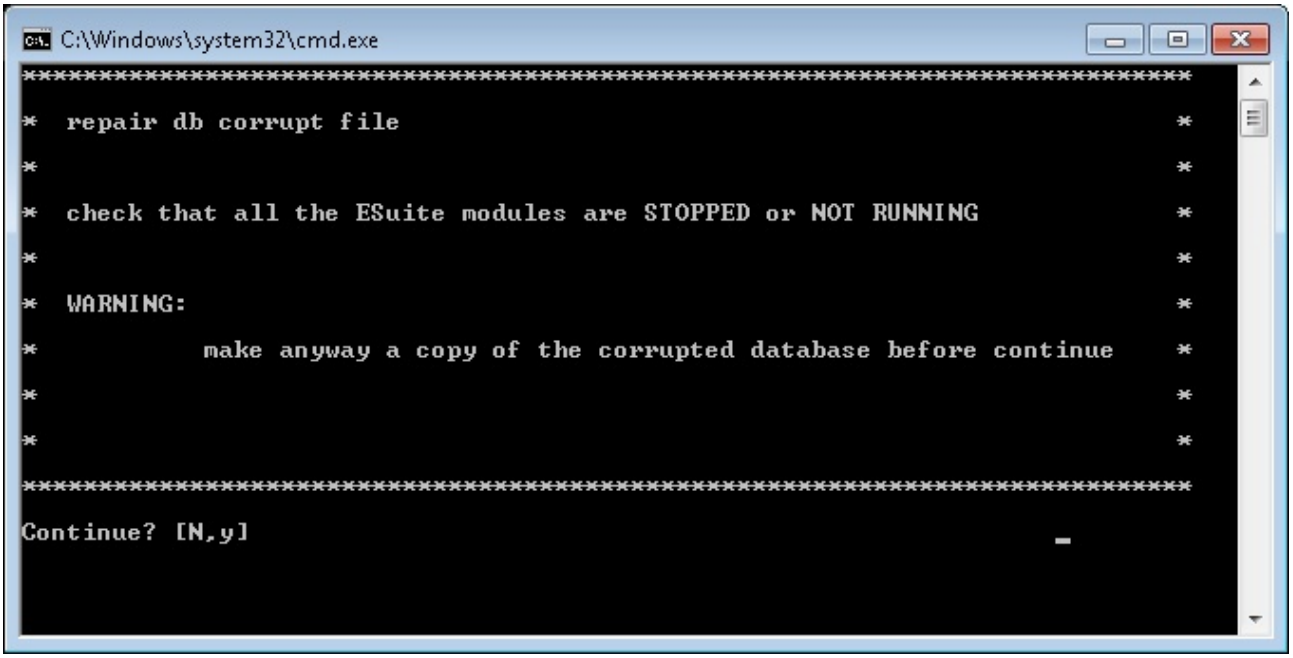
- Abnormal termination of the server computer, especially an electrical power interruption. For the IT-industry it can be a real blow and that is why we hope there is no need to remind you once again about the necessity of having a source of uninterrupted power supply on your server.
- Defects and faults on the server computer, especially the HDD (hard disk drive), disk controllers, the computer's main memory and the cache memory of Raid controllers.
- File copy or other file access to the database when the server is running
- Exhaustion of free disk space when working with the database.

Using *repair.bat* utility

During the installation process a batch file to repair the EBox.fdb file is created under the ESuite program folder.
Before proceed with the repair procedure, make sure that all the ESuite task are STOPPED.
Using Windows explorer open the ESuite program folder and execute (double click with left button mouse) *reapir.bat*

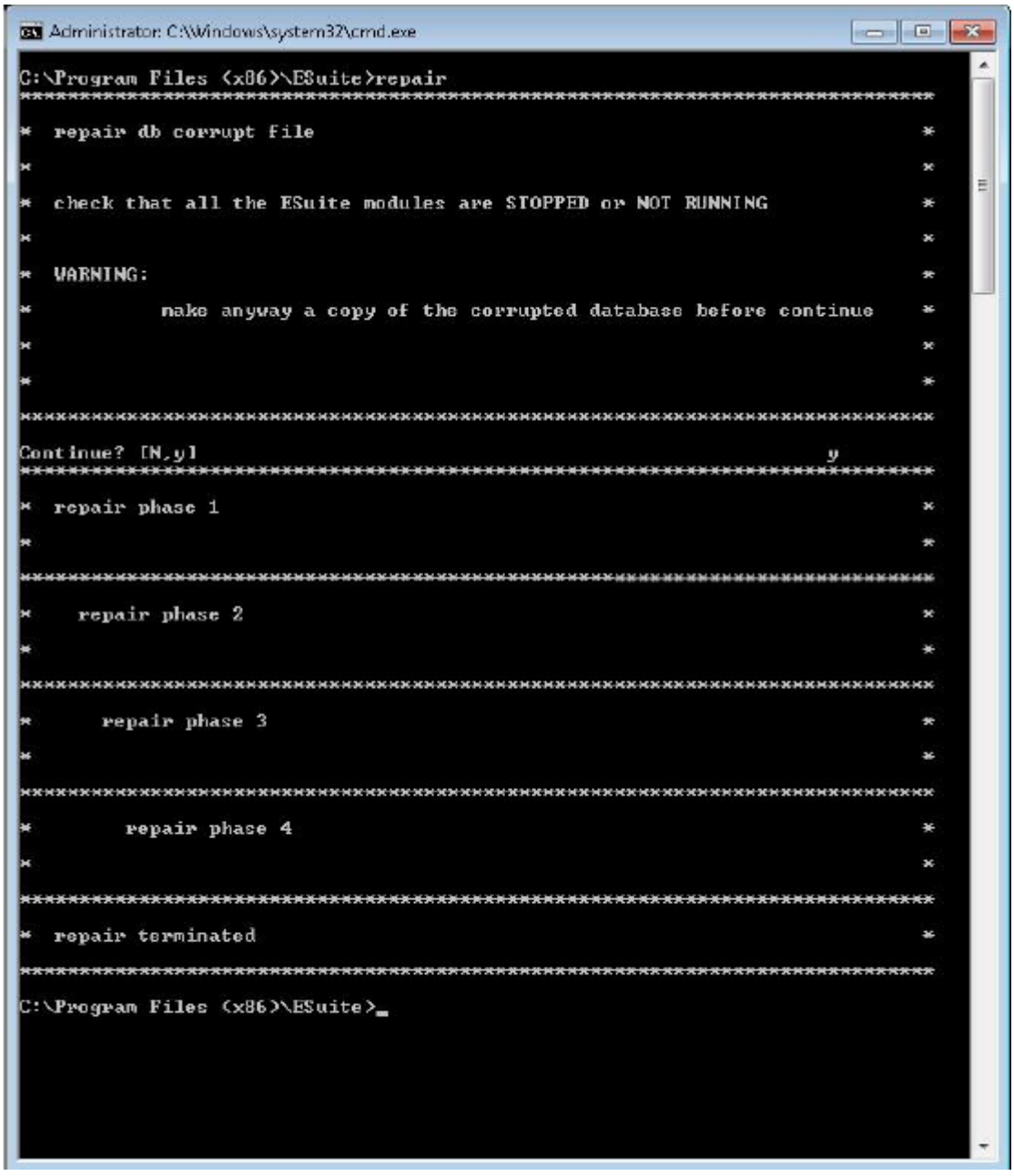


A form inform you that the repair procedure is starting, to continue is required to press “y” and return.

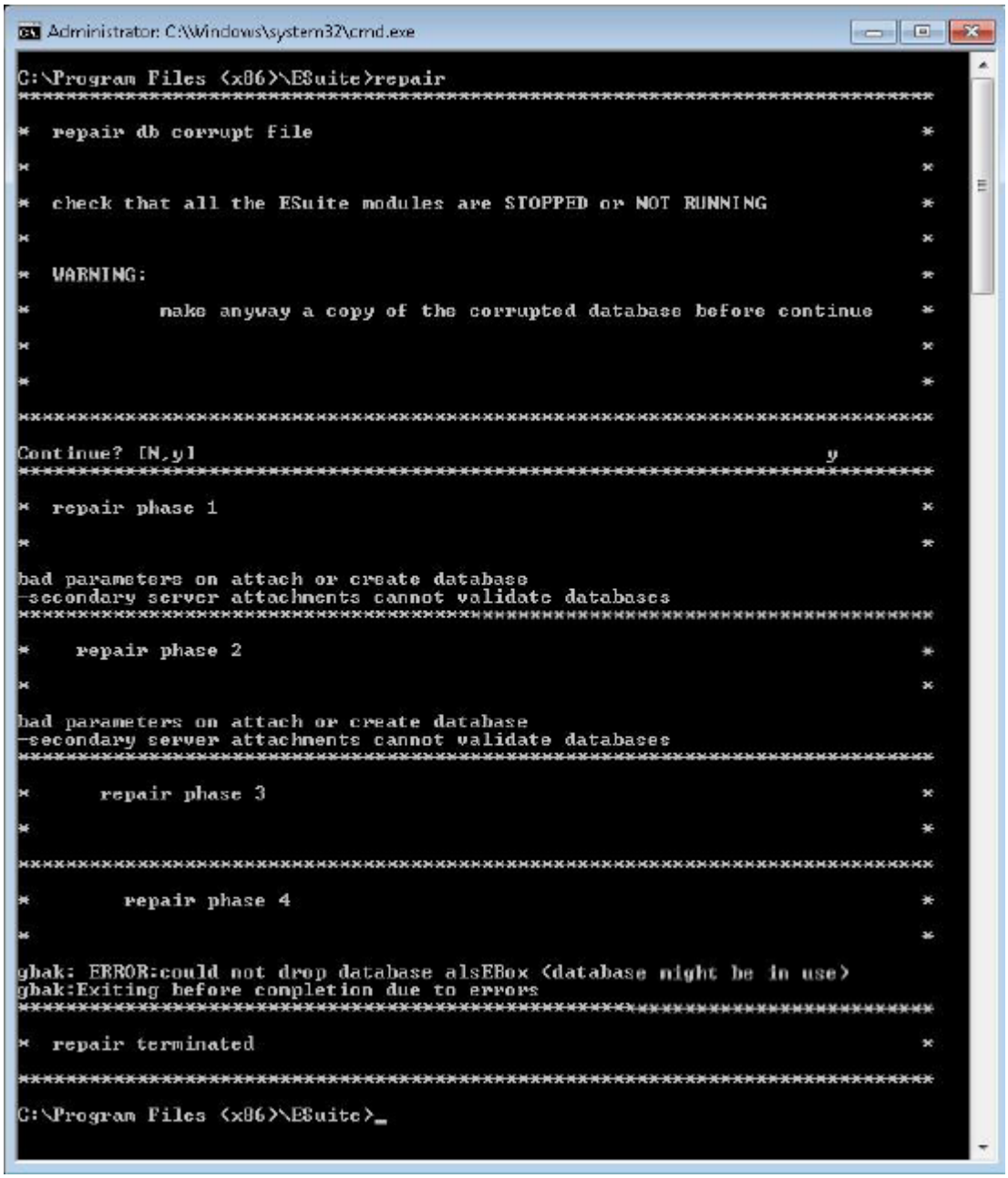


The repair process consist of 4 steps:
Phase 1: Check database for validity. At the same time, errors are reported and repaired
Phase 2: Marks corrupt records as unavailable so they are skipped on a subsequent backup
Phase 3: backup database
Phase 4: restore database

If the process is completed properly, the screen appear like this:



If one or more ESuite tasks are running or if a client is still connect to the server the result could be an error like below:



Punto di contatto indicato in adempimento ai fini delle direttive e regolamenti UE applicabili:
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