

Net2WebServer



User manual

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Index

Net2WebServer application usage.....	4
Installation.....	4
Starting the application.....	4
Login.....	4
Starting the application from a PC on the local network.....	5
Starting the application from a PC not running on the local network.....	5
Background image(s).....	5
The admin window.....	6
Main group access locations.....	7
Main group NET2 IO controllers.....	8
Status overview IO controller.....	8
Modify the relays of an IO controller.....	9
Main group System administration.....	9
Sub group Time zones.....	9
Adjusting an existing time zone.....	10
Removing a time zone.....	11
Show connected access levels.....	12
Sub group access levels.....	12
Modifying an existing access level.....	13
Removing an access level.....	14
Showing the connected users.....	14
Sub group departments.....	15
Addition of a new department.....	15
Modifying an existing department name.....	15
Removing a department.....	15
Adding a new user.....	16
Modifying a user.....	17
Removing a user.....	17
Blocking a user.....	17
Modifying a users access level.....	17
Managing user cards.....	18
Main group system info.....	19
Sub item System log.....	19
Adjusting the time filter.....	20
Modifying the time fields.....	20
Sub group HTML info.....	21
Sub group attendance info.....	22
Sub group Program messages.....	23
Some general notes.....	23
Modifying the size of a window.....	23
Access to the Net2 Server with the help of a mobile phone.....	24
Logging in.....	24
Main menu.....	25
Access level overview.....	26
Access location status overview.....	27

IO controller overview.....28
Events overview.....30
 Presence overview.....31
 Time zone overview.....32
User overview.....33

Net2WebServer application usage

Installation

Before the Net2WebServer application can be used, it has to be installed and configured first. Detailed instruction can be found in the document: [Installation_guide_Net2WebServer_v2.pdf](#). This document can be downloaded from:

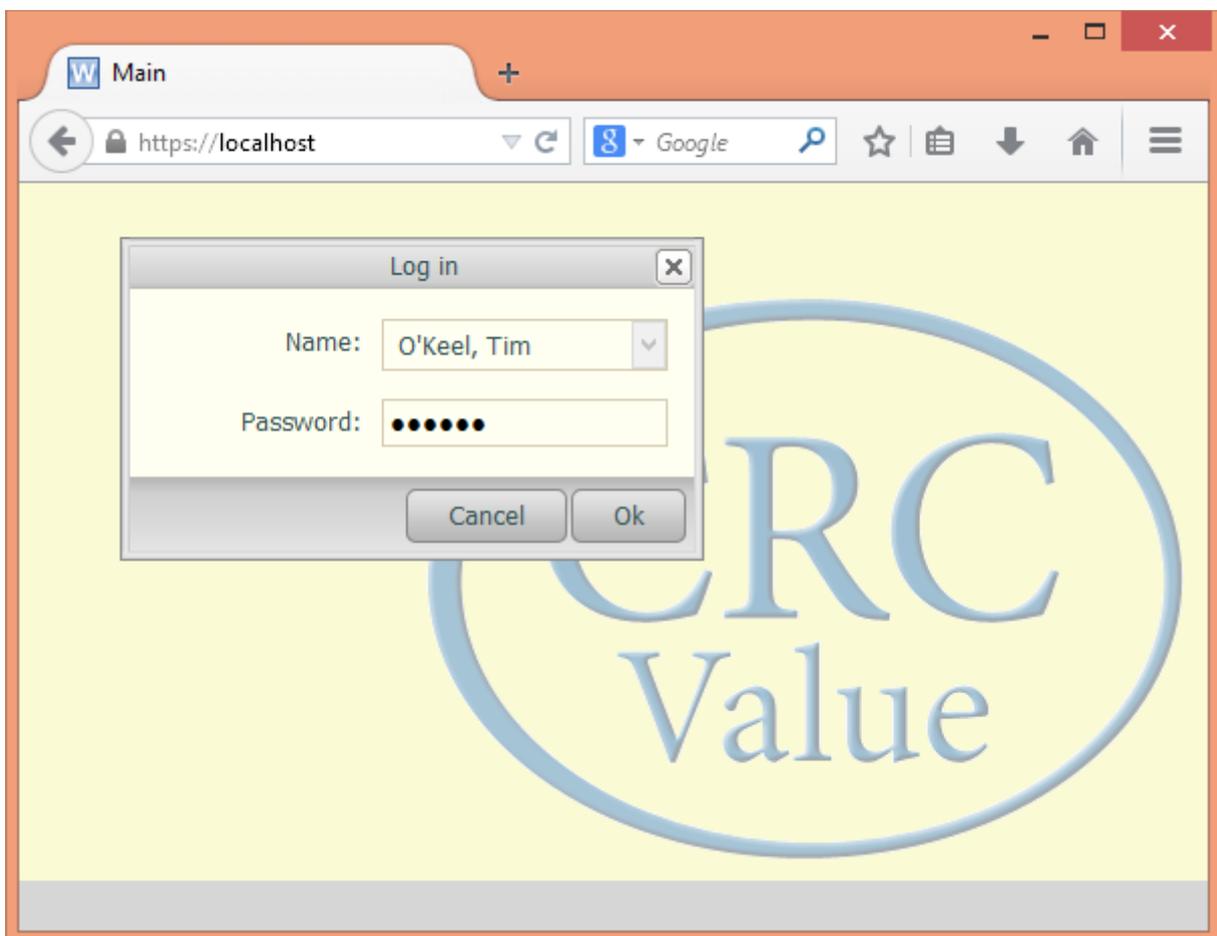
http://www.net2-solutions.com/docs/Installation_guide_Net2WebServer_v2.pdf

Starting the application

Start, for a first test, a browser (Internet Explorer, Firefox, Chrome, Safari, etc.) on the same machine as on which the Net2WebServer application is running.

Type “[http\(s\)://localhost](http://localhost)” on the URL bar and press Enter.

Login



If everything is configured well, the application should start-up with a Log-in window.

A list of known Net2 'Operators' is presented. These Operators can be created with the native Net2 client application. The roles assigned to each of these operators are honoured by this application.

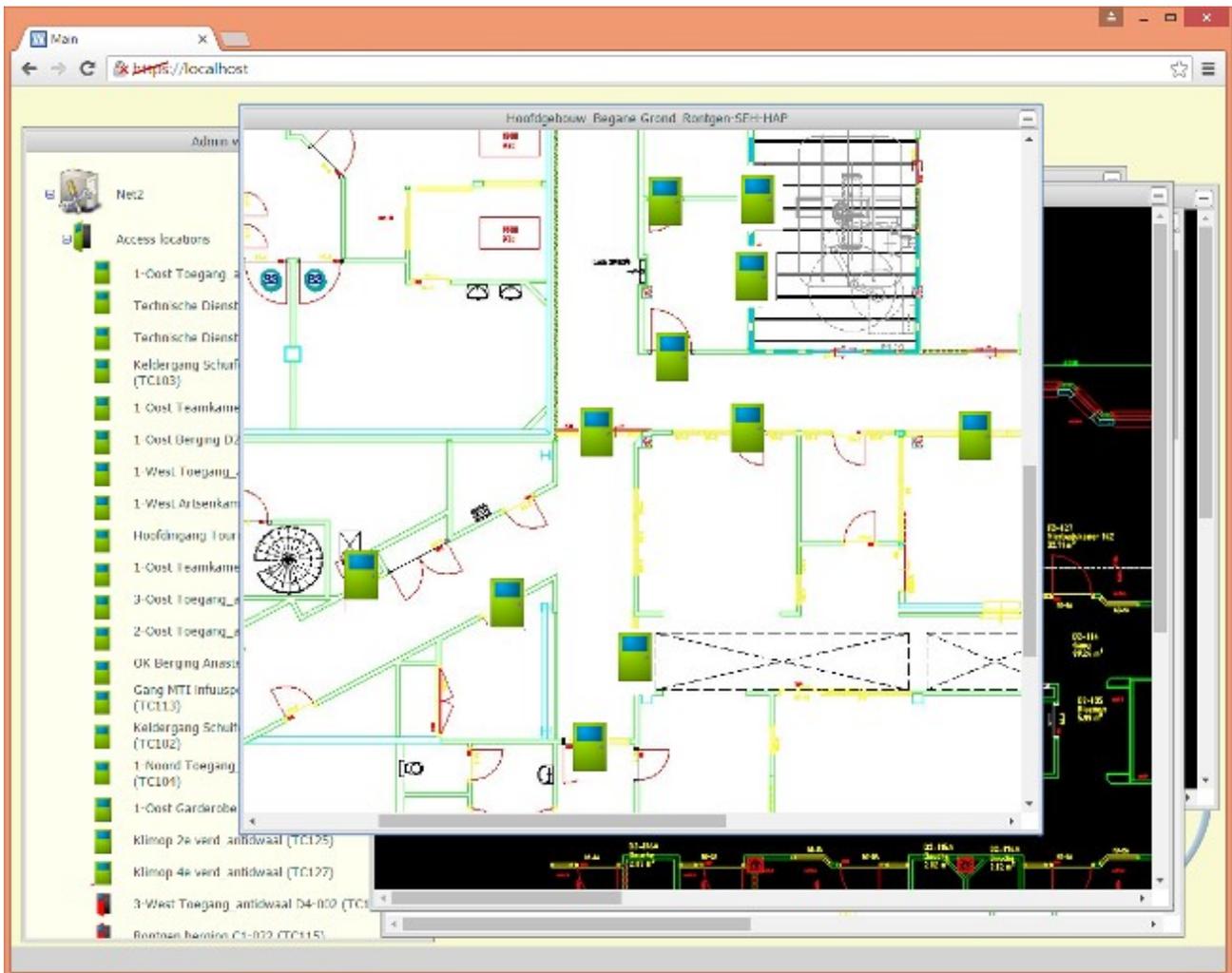
Stating the application from a PC on the local network

Change the “localhost” part in the URL-bar to the IP address of the machine on which the Net2WebServer is running.

Starting the application from a PC not running on the local network

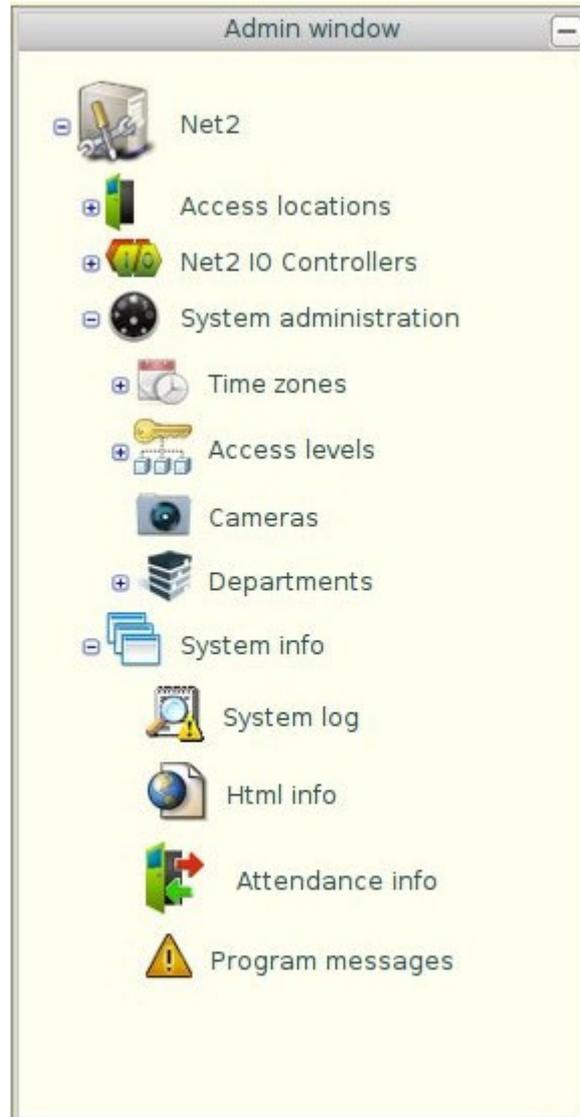
If the Net2WebServer is running on a local network behind an (ADSL) router it might be necessary to set-up a 'port forwarding' on that router. Depending on the chosen protocol HTTP or HTTPS you have to forward port 80 or port 443 to the machine running the Net2WebServer.

Background image(s)



If there are one or more background images defined in the Net2 application they will be shown in the Net2WebClient application also, including any positioned doors. The background(s) are retrieved from the Net2 Database.

The admin window



After the application has started the 'Admin window' will be shown, irrespective of the number of backgrounds defined. On large sites it can take some time before all data is retrieved and processed.

In the Admin window, just below the Net2 icon, four main groups are shown;

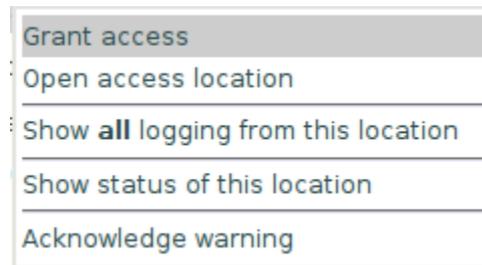
- Access locations;
- Net2 IO controllers;
- System administration;
- System info

These items can be 'unfolded' by clicking on the '+' sign.

Main group access locations



The item: "Access location" offers access to all individual doors..



By clicking with the *left* mouse button, a context sensitive, menu opens. The options presented are depending of the status of the corresponding door. Potential options are:

- Grant access;
- Close or open the door;
- Show the logging about this access location;
- Show the actual status of a door.
- Acknowledge a warning (if applicable).

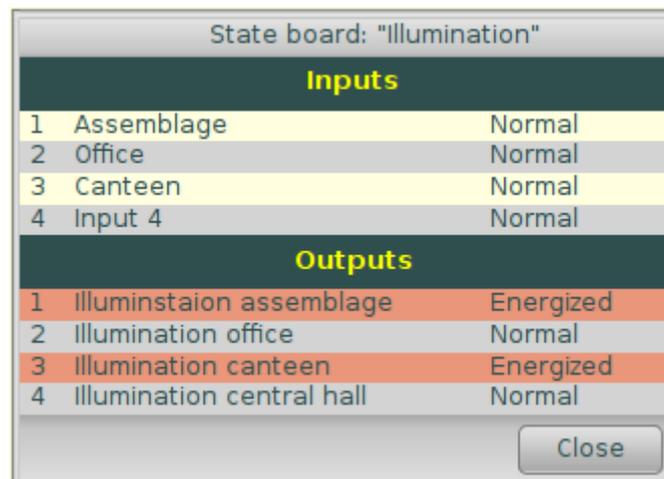
Main group NET2 IO controllers



The item “Net2 IO controllers” offers the ability to show the status of any of the IO boards and, depending on the user role, to modify any of the output relay(s).

If all IO are in there 'normal' state the corresponding icon is shown in green. The icon will be shown in red if at least one the inputs is active or one ore more outputs are energized.

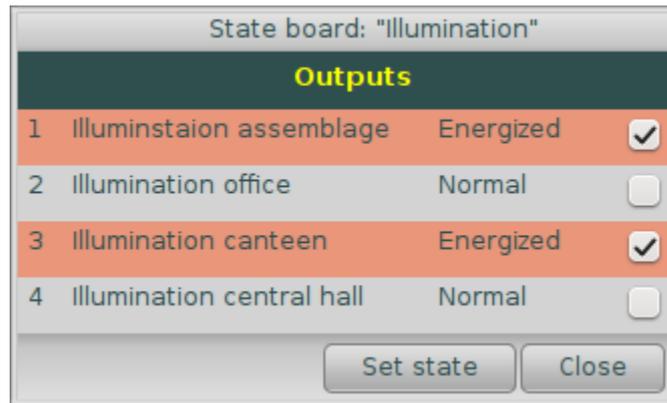
Status overview IO controller



State board: "Illumination"		
Inputs		
1	Assemblage	Normal
2	Office	Normal
3	Canteen	Normal
4	Input 4	Normal
Outputs		
1	Illuminstaion assemblage	Energized
2	illumination office	Normal
3	illumination canteen	Energized
4	illumination central hall	Normal

This window will always reflect the current state of the IO points while it is open. It has a maximum delay of about 5 seconds before a state switch is presented on the screen.

Modify the relays of an IO controller



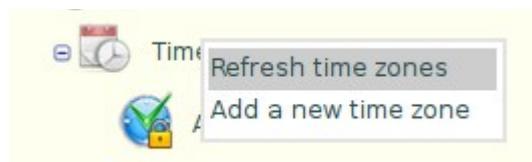
Depending on someone's role, multiple relays can be set at once.

Main group System administration

The item System administration contains the sub items:

- Time zones;
- Access levels;
- Camera's (if defined)
- Departments.

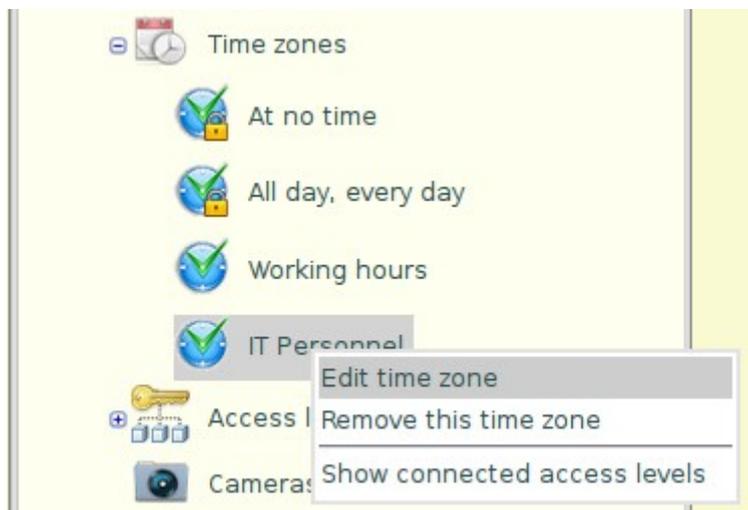
Sub group Time zones



(Left) Clicking on the "Time zones" icon opens a menu with the following options:

- Refresh the time zones and to create a new time zone;
- Create a new time zone.

By unfolding the item "Time zones", all present time zones are displayed.

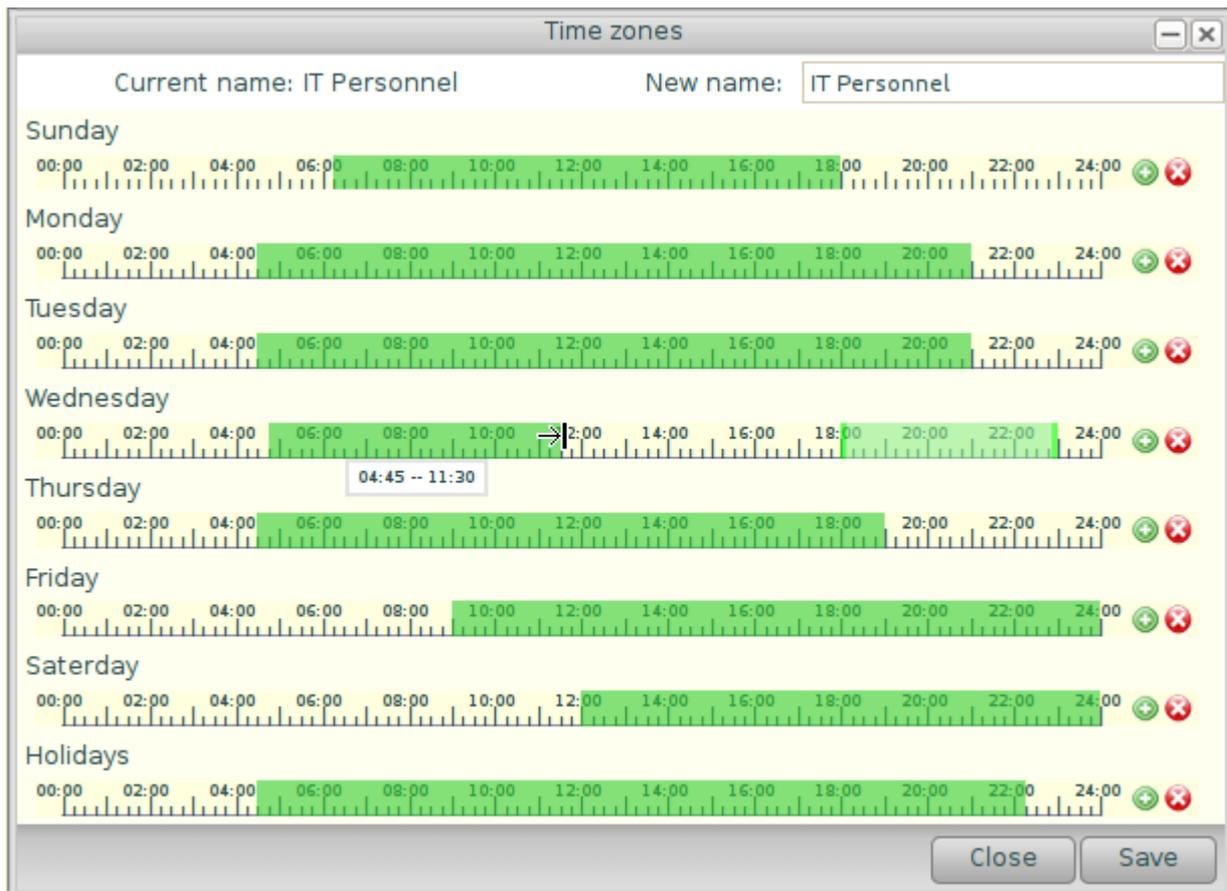


By clicking on one of the individual Time zones a context menu is displayed. It offers the ability to:

- Edit a time zone;
- Remove a time zone; (if applicable);
- Show all access levels that utilize this time zone.

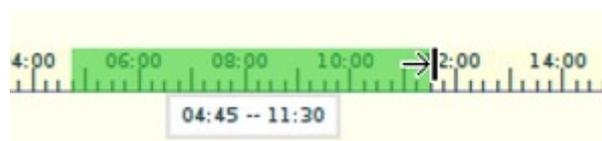
The process of creating a new time zone is almost the same as modifying an existing time zone. See: below for details.

Adjusting an existing time zone



Selecting the option to modify an existing Time Zone opens the window above.

All defined periods are presented as green bars. The days of the week all have their own time bar. The last time bar represents the 'holidays' as they are used by the Net2 software.



A period can be modified by clicking on the left- or right- side of a period.

The mouse-cursor will change in a '→|' or '|←' shaped cursor. The exact period will also be displayed in a text field just below the corresponding field. The maximum resolution for defining a period is 5 minutes.

A complete period can be moved also. To do so, click 'somewhere' in the area, the cursor will now change to a cross shape, drag the period to the preferred position. A period can not be placed inside another period, a period can be moved to the other side of an existing period however.

A new period can be added by pressing the '+' button on the right side. By pressing that button a new period with an initial duration of one hour will be added. This period can then be modified as wished. A new period can also be added by just clicking directly on the time bar with the left mouse button.

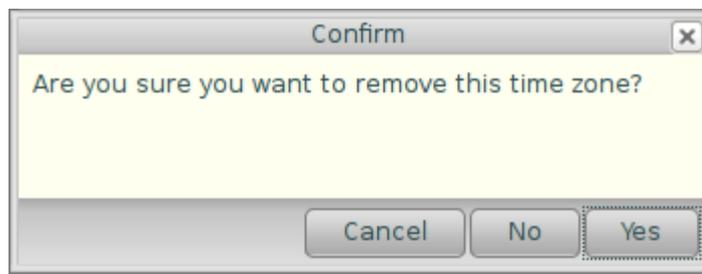
An 'active' period can be removed by pressing the 'x' button at the right of the time bar. If there are more than one periods defined for one day the 'active' period will be darker green than the other periods. A period can be made active by clicking on it with the mouse.

The text-box at the upper right of the screen contains the name of the current time zone. If desirable, the name can be changed here.

The time zones "At no time" en "All day, every day" are 'system' schemes and thus can not be modified. This is symbolized by the little lock in the icon.

Removing a time zone

The menu option 'Remove this time zone' will (try) to remove the corresponding time zone.



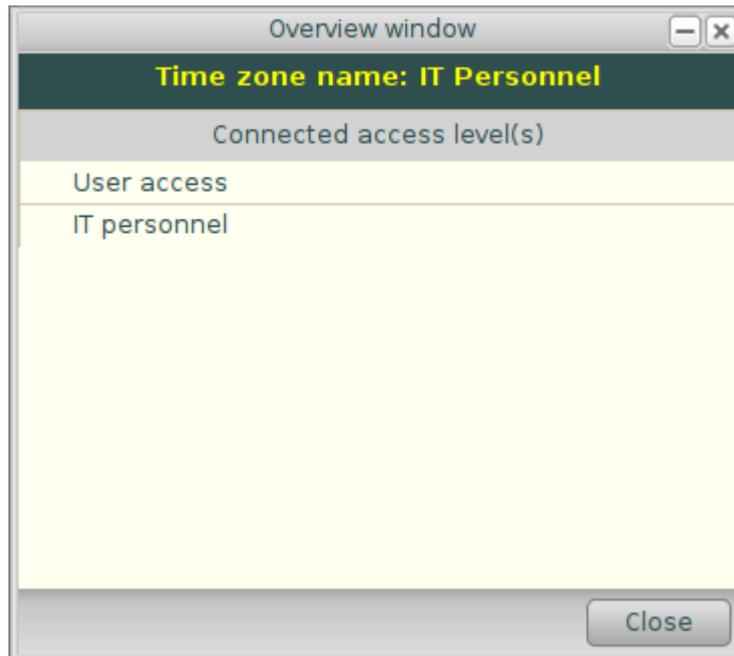
Before any potential harmful action will be performed a confirmation will be requested.



An error message will be displayed if it is not possible to remove a time zone when it is in use by any of the access levels.

Any additional information can be viewed by pressing the little triangle at the bottom left side of the message window.

Show connected access levels

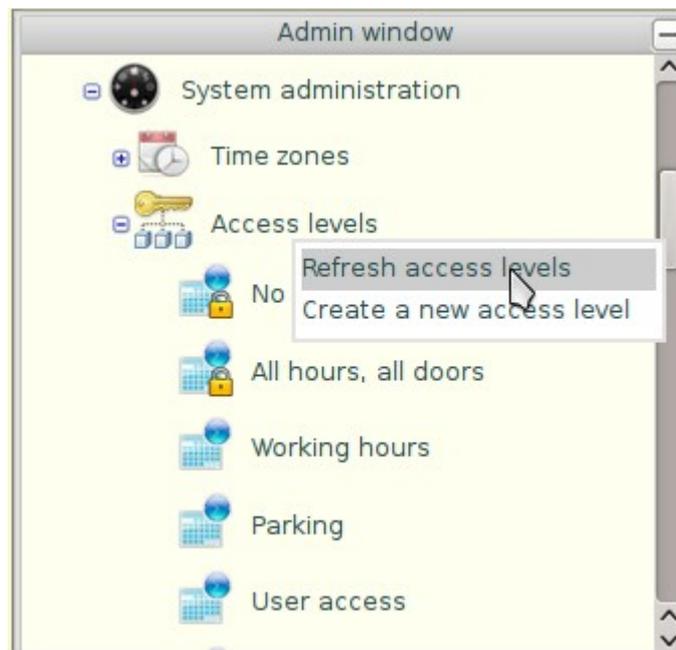


It can be verified which access levels uses the corresponding time zone by selecting the menu option: "Show connected access levels".

Sub group access levels

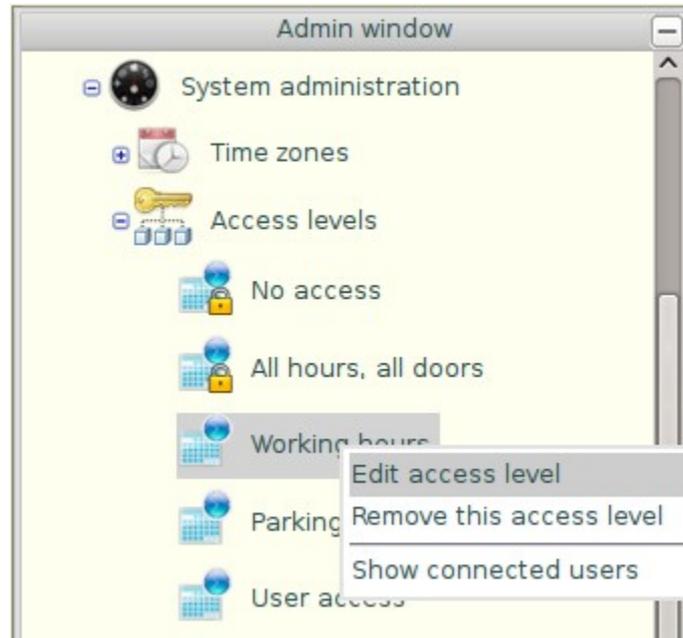
After unfolding the item "Access levels" all existing access levels will be presented.

Just like the time zones, the access levels "No access" and "All hours, all doors" are system access levels that can not be modified. This is symbolized by a small lock inside the icon here also.

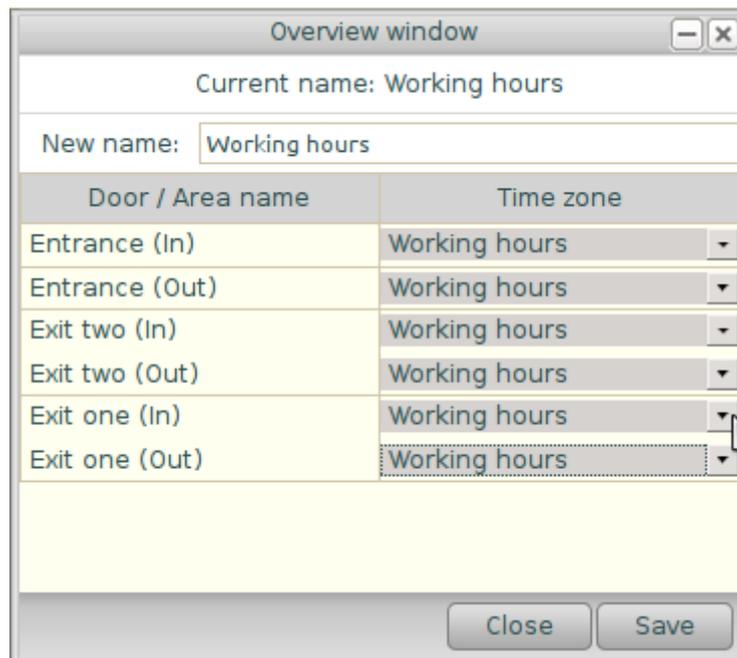


Left clicking on the item "Access levels" opens a menu with the options to refresh the list displayed or to create a new access level. The process of creating a new access level is almost the same as the process to modify an existing access level. The latter will be discussed below.

Modifying an existing access level



For any of the presented access levels the possibility to edit or remove the corresponding access level is available. It is also possible to show all users which are assigned to the corresponding access level.

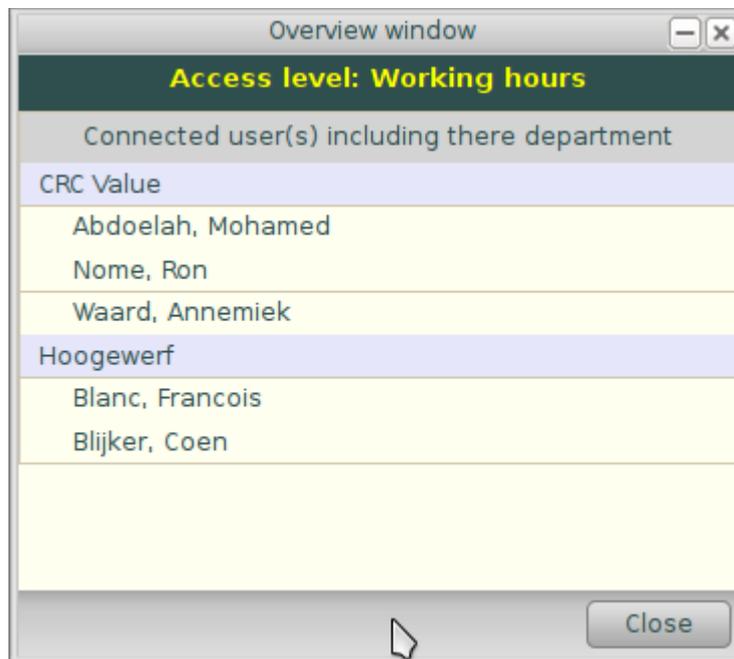


Option: "Edit access level" will open the window above. This window offers the possibility to change the assigned time zones per access location and to alter the name.

Removing an access level

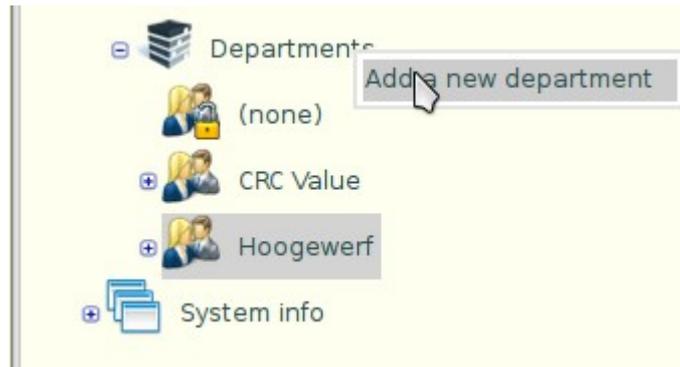
Before an access level will be removed a confirmation will always be requested. It is not possible to remove an access level which is still assigned to one or more users.

Showing the connected users



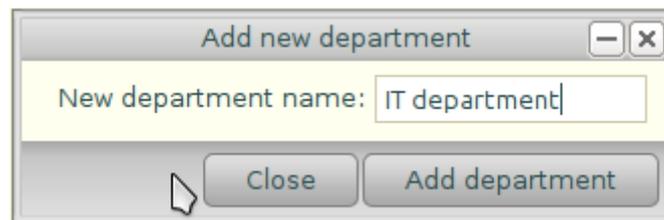
The menu option "Show connected users" opens a window in which, per department, all users are presented which are assigned to the corresponding access level.

Sub group departments



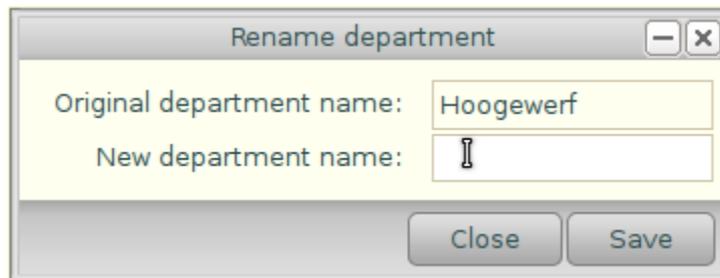
The item “Departments” gives access to all departments and, per department, all corresponding users. The department '(none)' is a system that can not be removed or renamed. It is allowed to add users to this system department however.

Addition of a new department.



The menu option “Add new department” offers the option to create a new department.

Modifying an existing department name

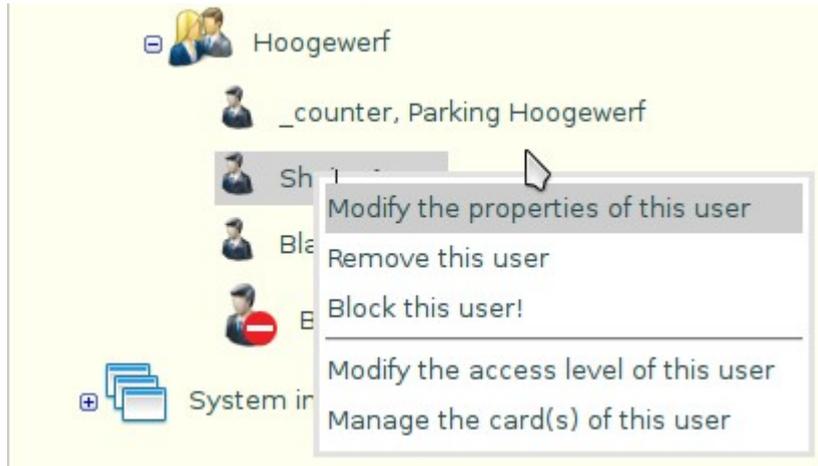


The menu option ”Rename department” offers the option to modify an existing department name.

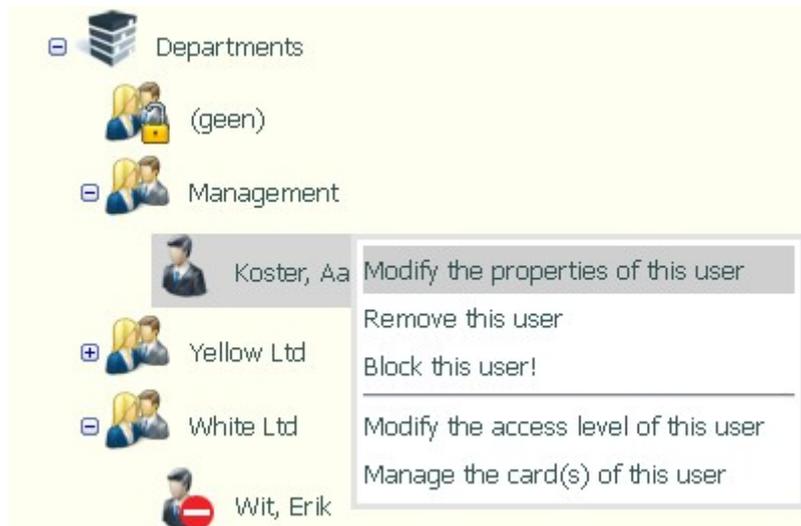
Removing a department

The third options offers the possibility to remove a department. This is only allowed however if no users a member of this department.

Adding a new user



The procedure for adding a new user is almost the same as for modifying an existing user. This procedure will be described below.



Unfolding a department will reveal all connected users. Users who are denied any access are recognizable by the red 'forbidden access' sign in their icon.

For every user the following menu options are available:

- Modify the properties of a user;
- Remove the user;
- Block (or de-block) the user;
- Change the access level of the user;
- Administer the card of the user.

Modifying a user

The screenshot shows a window titled "Input user data" with the following fields and values:

- Name: Coen
- Middle name: (empty)
- Surname: Blijker
- Username: Blijker, Coen
- Telephone: (empty)
- Fax: (empty)
- Personel number: (empty)
- Department: Hoogewerf
- Access level: Working hours
- PIN-code: 4321

Validity:

- Active:
- Valid from: 2016-06-01
- Valid to: unlimited
- Never expires:

Buttons: Close, Save

The menu-option “Modify the properties of this user” opens a window which allows you to modify some other user related data as well as the connected department and the assigned access level. If necessary the validity can be defined also.

Removing a user

Selecting this option will ask for a confirmation before the actual removal takes place.

Blocking a user

Choosing this option will immediately revoke all access rights from the user. 'Blocked' users are symbolised by a red 'forbidden access' sign in there corresponding icon.

Modifying a users access level

The screenshot shows a window titled "Access levels" for user "Simon the Whitest".

Access level: Autorisation White Ltd

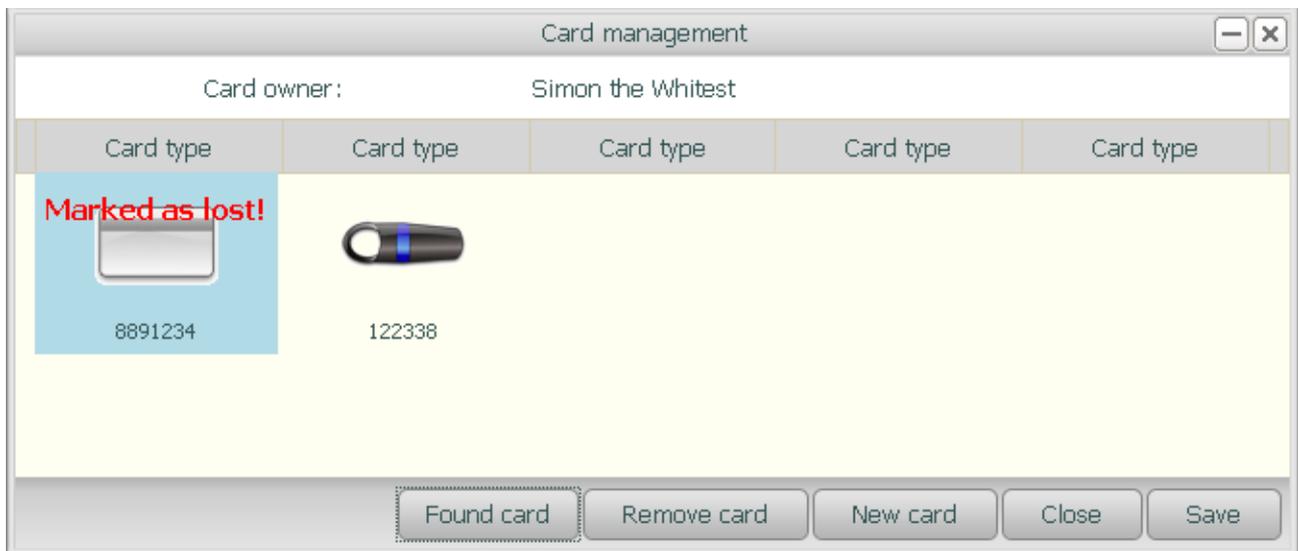
Door / Area name	Time zone
Garage (In)	24 uur / 7 days
Door Black Ltd	Never access
Door White Ltd (in)	Office hours White ltd
Door Residents (in)	Never access

Buttons: Close, Save

The menu-option: “Modify the access level of the user” as well as the option to “de-block” a user

will open an overview window which allows you to select a different access level for the user concerned. This window will immediately show all doors and there connected time zone of your selection.

Managing user cards

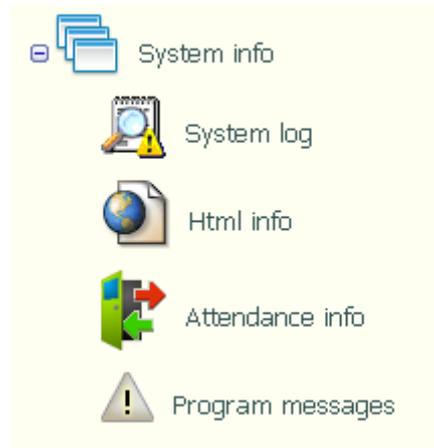


The option “Manage the card(s) of this user” will open a window which allows you to administer the user cards. Cards can be taken back (removed), marked as lost/found. Naturally it is also possible to assign a new card to a user.



The button 'New card' will open a new window which will allow you to select the right card-type first.

Main group system info



The following items are collected under “System info”

- System log;
- Html-info;
- Attendance info;
- Program message.
- Sub group System log
-

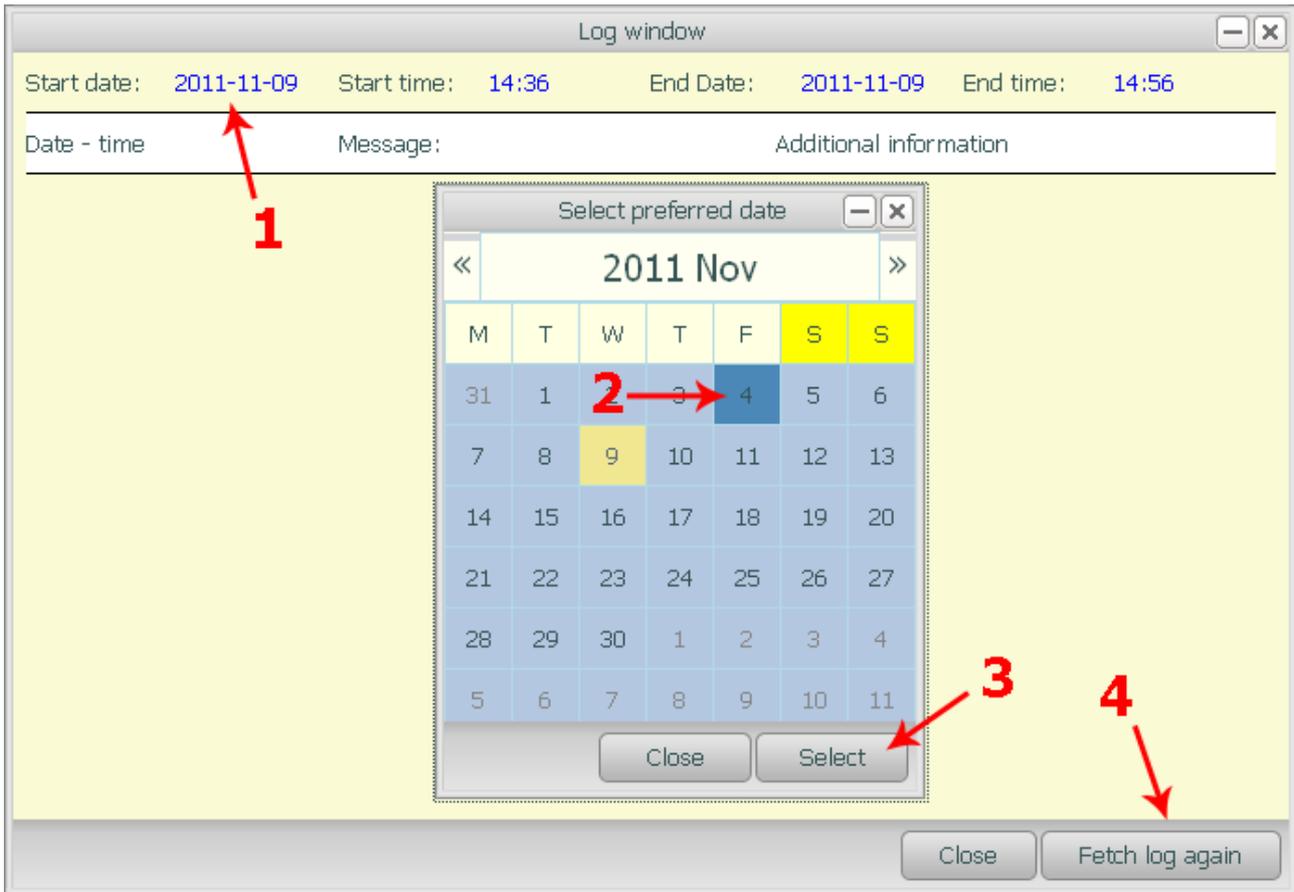
Sub item System log

The screenshot shows a window titled 'Log scherm' with a table of log entries. The window has a title bar with standard Windows controls. The table has three columns: 'Datum - tijd', 'Melding', and 'Aanvullende informatie'. The data is as follows:

Datum - tijd	Melding	Aanvullende informatie
2011-07-13 16:50:30	Aanwezigheidsregistratie	UIT klokken, card-nr: 18490123, location: ACU 01219195 (Uit)
2011-07-13 16:50:28	Aanwezigheidsregistratie	UIT klokken, card-nr: 18490123, location: ACU 01219195 (Uit)
2011-07-13 16:50:26	Aanwezigheidsregistratie	UIT klokken, card-nr: 87135535, location: ACU 01219195 (Uit)
2011-07-13 16:50:24	Aanwezigheidsregistratie	IN klokken, card-nr: 87135535, location: ACU 01219195 (In)
2011-07-13 16:50:22	Aanwezigheidsregistratie	IN klokken, card-nr: 18490123, location: ACU 01219195 (In)
2011-07-13 16:50:01	Aanwezigheidsregistratie	IN klokken, card-nr: 87135535, location: ACU 01219195 (In)
2011-07-13 16:36:15	Sabotage	ACU 01219195
2011-07-13 16:35:58	Sabotage	ACU 01219195
2011-07-13 15:48:01	Aanwezigheidsregistratie	UIT klokken, card-nr: 18490123, location: ACU 01219195 (Uit)
2011-07-13 15:48:00	Aanwezigheidsregistratie	UIT klokken, card-nr: 87135535, location: ACU 01219195 (Uit)
2011-07-13 15:47:48	Aanwezigheidsregistratie	IN klokken, card-nr: 87135535, location: ACU 01219195 (In)
2011-07-13 15:45:23	Aanwezigheidsregistratie	IN klokken, card-nr: 18490123, location: ACU 01219195 (In)
2011-07-13 15:35:49	Aanwezigheidsregistratie	UIT klokken, card-nr: 87135535, location: ACU 01219195 (Uit)
2011-07-13 15:35:48	Aanwezigheidsregistratie	UIT klokken, card-nr: 18490123, location: ACU 01219195 (Uit)
2011-07-13 15:33:43	Aanwezigheidsregistratie	IN klokken, card-nr: 18490123, location: ACU 01219195 (In)
2011-07-13 15:33:42	Aanwezigheidsregistratie	IN klokken, card-nr: 87135535, location: ACU 01219195 (In)
2011-07-13 15:32:41	Aanwezigheidsregistratie	UIT klokken, card-nr: 87135535, location: ACU 01219195 (Uit)
2011-07-13 15:26:51	Aanwezigheidsregistratie	IN klokken, card-nr: 87135535, location: ACU 01219195 (In)
2011-07-13 15:22:58	Aanwezigheidsregistratie	UIT klokken, card-nr: 87135535, location: ACU 01219195 (Uit)
2011-07-13 15:22:56	Aanwezigheidsregistratie	UIT klokken, card-nr: 18490123, location: ACU 01219195 (Uit)
2011-07-13 15:20:23	Aanwezigheidsregistratie	UIT klokken, card-nr: 87135535, location: ACU 01219195 (Uit)
2011-07-13 15:20:22	Aanwezigheidsregistratie	UIT klokken, card-nr: 18490123, location: ACU 01219195 (Uit)
2011-07-13 15:12:35	Aanwezigheidsregistratie	IN klokken, card-nr: 18490123, location: ACU 01219195 (In)
2011-07-13 15:12:31	Aanwezigheidsregistratie	UIT klokken, card-nr: 87135535, location: ACU 01219195 (Uit)
2011-07-13 15:10:58	Deurcontroller Anti-pass back gereset	99999999, location: ACU 01219195

The option “System log” opens an overview window which will show the system log messages of the last 10 minutes by default.

Adjusting the time filter



Both the start date and time as well as the end date and time for which the logging is to be shown can be modified.

Clicking on the date field (1) will open a calendar window which can be used to select the desired date. Click on the desired date (2) and press the “select” button (3).

Press the “Fetch log again” button if either one of the date- or time- fields have been changed. (4)

Pressing the '«' or '»' buttons in the date selection window will jump to the next- or previous month.

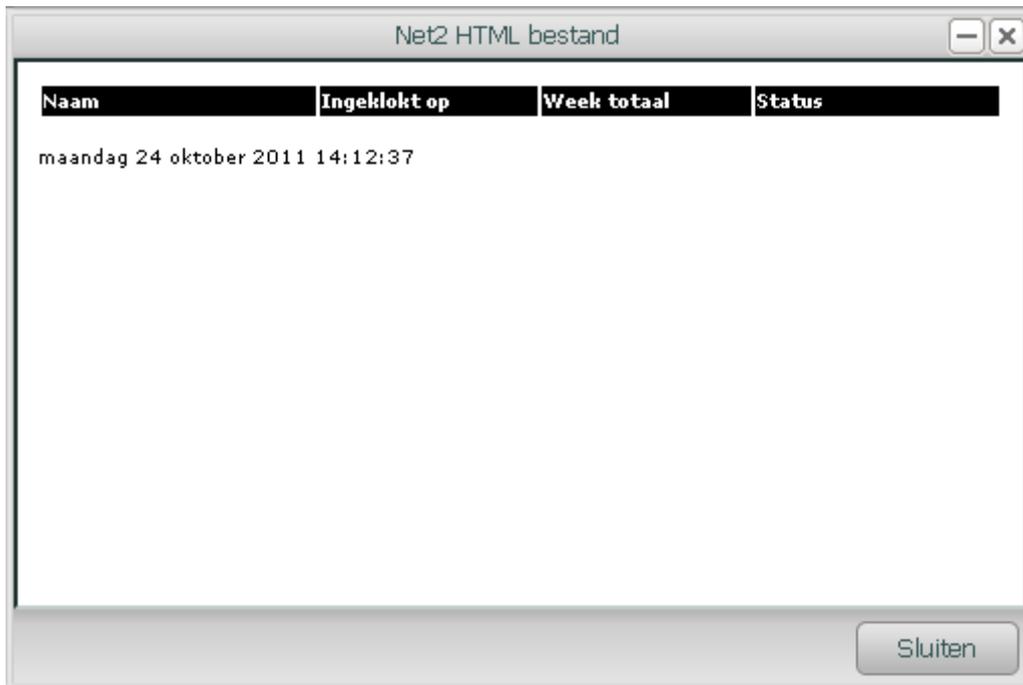
Modifying the time fields



Selecting a new time can be done with the aid of the window shown above. First, click in the (empty) time field. This will reveal three rows of small buttons. The first row will allow you to make a distinction between AM- and PM hours. Hovering with the mouse above the desired choice will update the rows below. Second, hover with the mouse above the desired hour. This will 'mark' the hour concerned as being selected. Click on the desired minute button to complete the time

selection. This method allows you to select a time with the mouse with a resolution of 5 minutes. Press the “Select” button to adopt the selected time.

Sub group HTML info



The item “HTML info” offers the opportunity to show the, Net2 generated, html pages “WhosIn.html” and “ClockedIn.html”. These pages will be automatically refreshed as long as the window is open.

Sub group attendance info

Besides the information both the Net2 generated HTML pages deliver, a more sophisticated overview, of all people who have clocked in, is available also.

For this overview to work it is necessary that at least one set of readers is defined as a clocked-in/out reader.

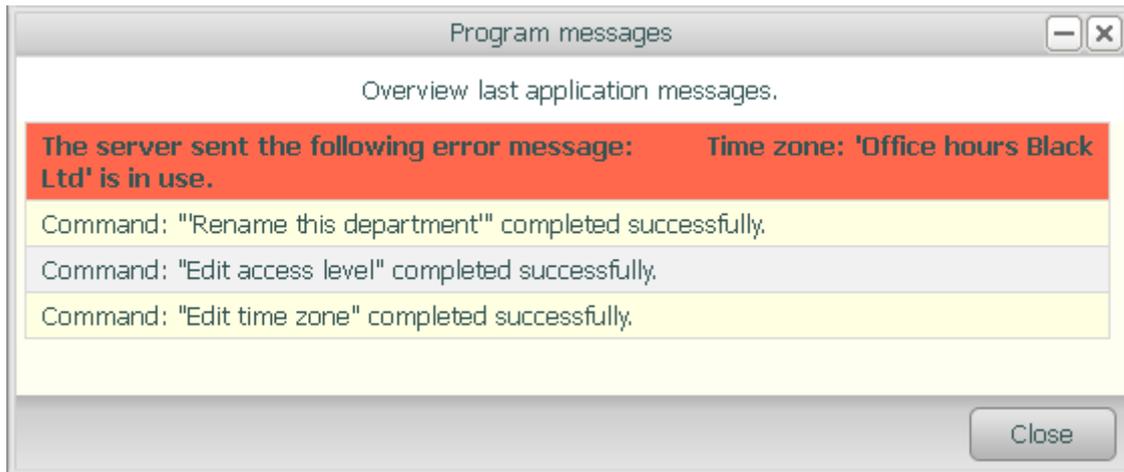


The image shows a window titled "Attendance info" with a table of employee attendance data. The table has seven columns: Name, mn, Surname, Present, Entry name, Clocked in, and Clocked out. The "Present" column is color-coded: red for "No" and green for "Yes". The "Clocked in" column shows times for employees who are present. The "Clocked out" column shows times for employees who have clocked out. A "Close" button is located at the bottom right of the window.

Name:	mn:	Surname:	Present:	Entry name	Clocked in:	Clocked out:
Bert		Blijker	No			8:34:10
Wim	de	Boer	No			8:24:56
Aad		Koster	No			8:23:45
Nelly		Verburg	No			9:09:30
Edwin		Vermaat	Yes		7:00:23	
Erik		Wit	Yes		7:10:51	
Johan		Wit	Yes		7:13:46	
Aljo		Zwart	Yes		8:23:52	
Gerard		Zwart	Yes		9:41:31	

The information showed in the overview can be sorted both ascending as descending by clicking on the header of the desired column. The information contained in this window will be automatically updated every 10 seconds.

Sub group Program messages



This item allows you to review all important messages generated by this program. Error messages and warnings will be displayed in red. Messages which are new since the last time the window was activated are shown in bold face.

Some general notes

In practice all windows are equipped with 2 buttons in the top-right side of the title bar. The 'x' button can be used to close the window. The 'Close' button at the bottom of the bottom does the same.



The '-' button minimises the window. A minimised window will ensconce itself in the task bar at the bottom of the browser window. The window concerned can be reopened by clicking on the 'ensconced' version.

(Almost) all windows can be resized, the procedure to do this is the same as with an ordinary windows application.



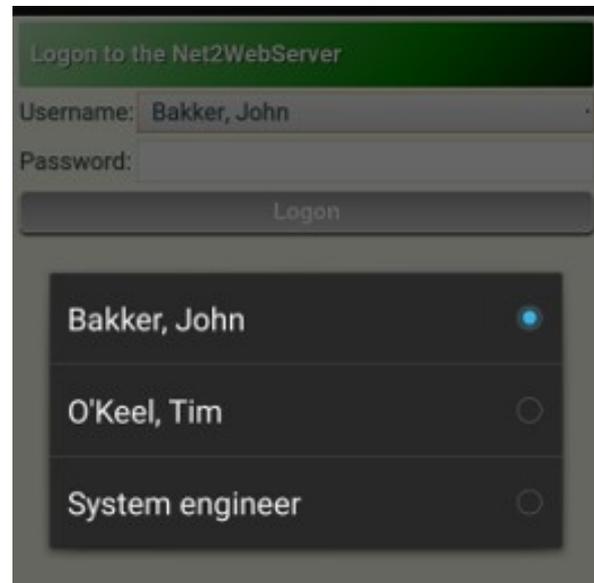
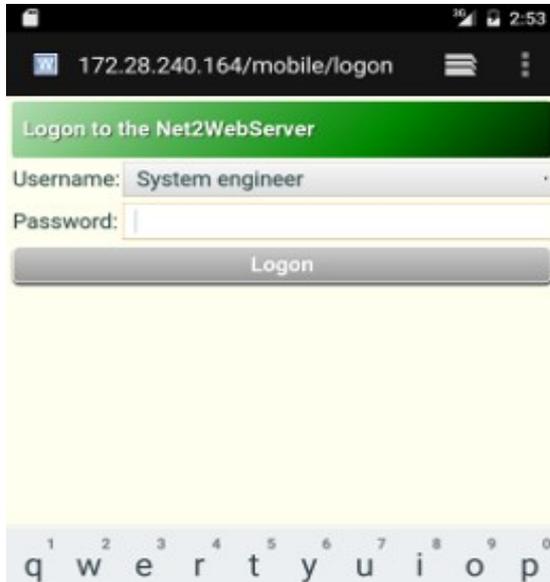
Modifying the size of a window.

(Almost) all windows can be resized, the procedure to do this is the same as with an ordinary windows application.

Access to the Net2 Server with the help of a mobile phone

The Net2WebServer offers, via an especially prepared interface access to a subset of the Net2 functionality. Type “http://<ip-adres>/mobile” in the URL of the browser on your mobile phone

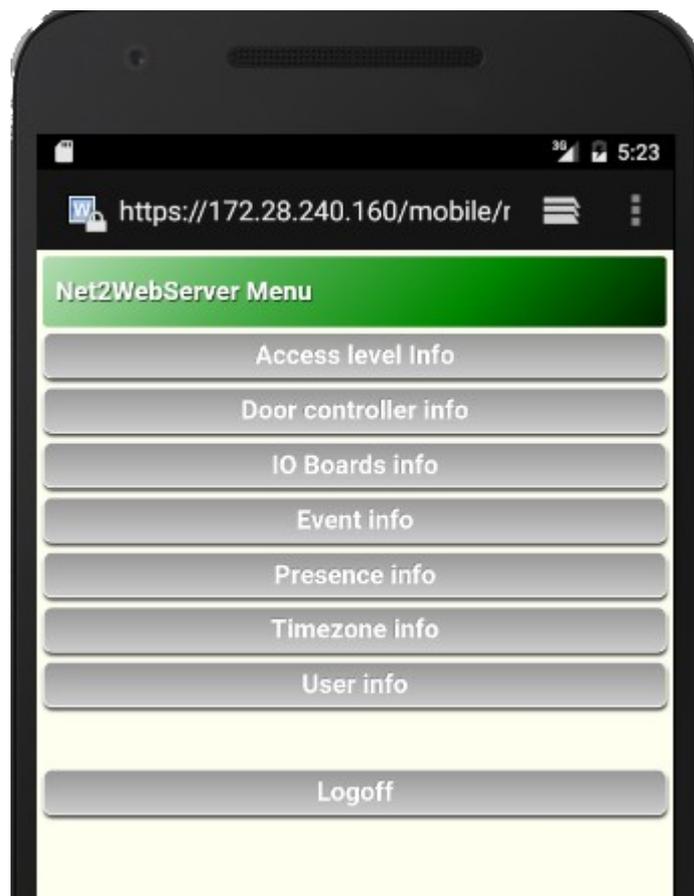
Logging in



Logging in is possible with the same credentials as can be used for the PC version.(*)

(*) See page 4

Main menu

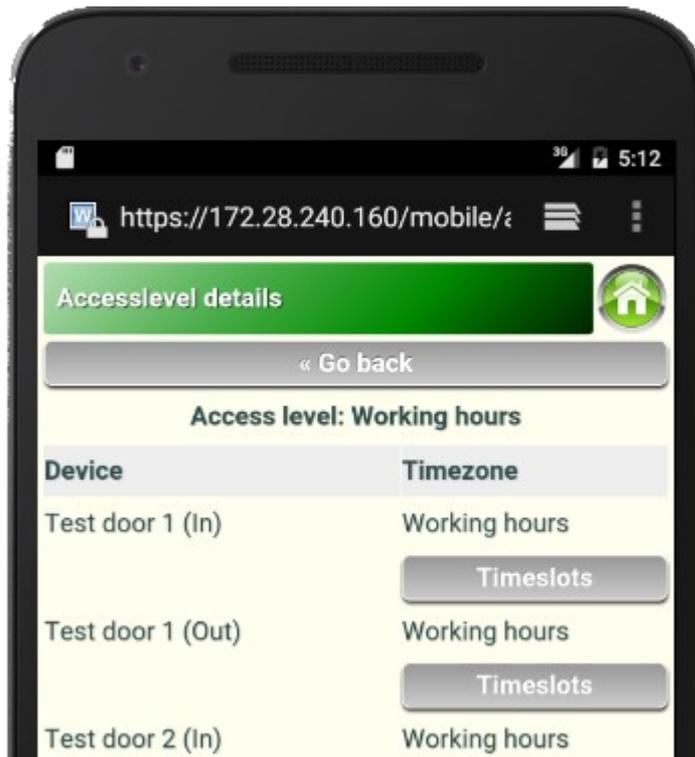


The main menu will be presented after a successful log-in.

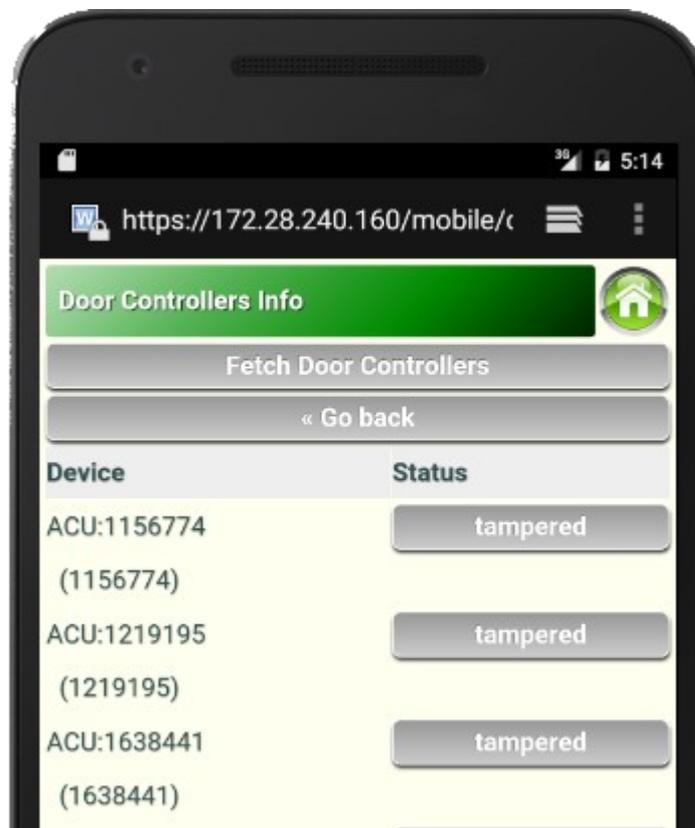
This menu offers you the possibility to:

- See all access levels
- Inspect the status of all doors;
- See all logging info;
- See who is in;
- Inspect all time zones;
- Inspect the properties of all users

Access level overview



The menu-option: 'Access Level Info' shows information about any of the defined access levels.



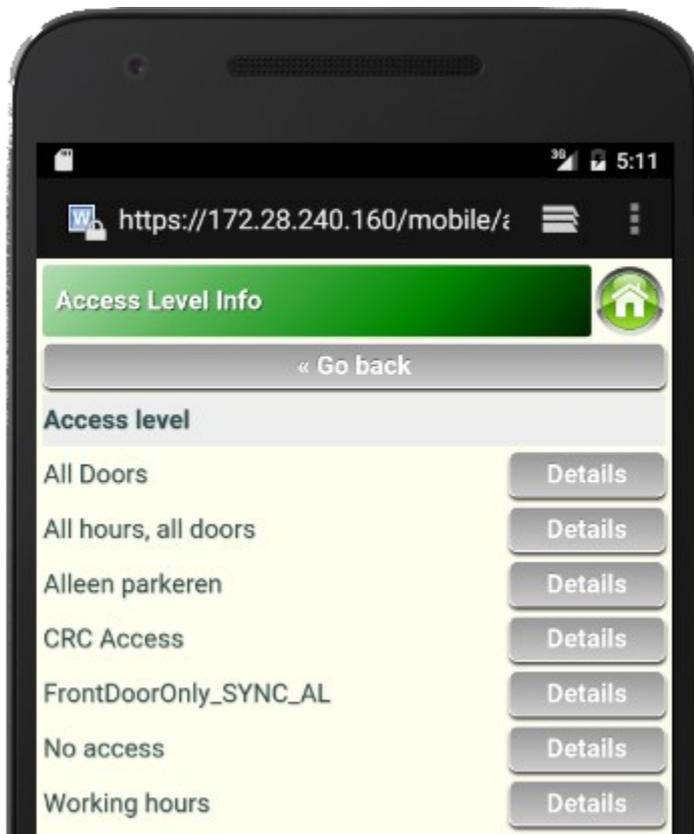
Per access level one can see all connected time zones.

Access location status overview

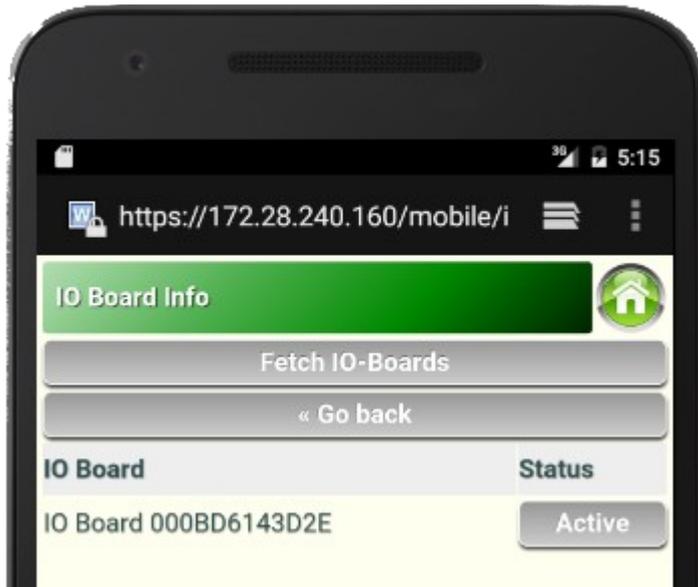


The menu-option: 'Device info' shows, after selecting the option 'Fetch devices', an overview of all doors together with their actual status.

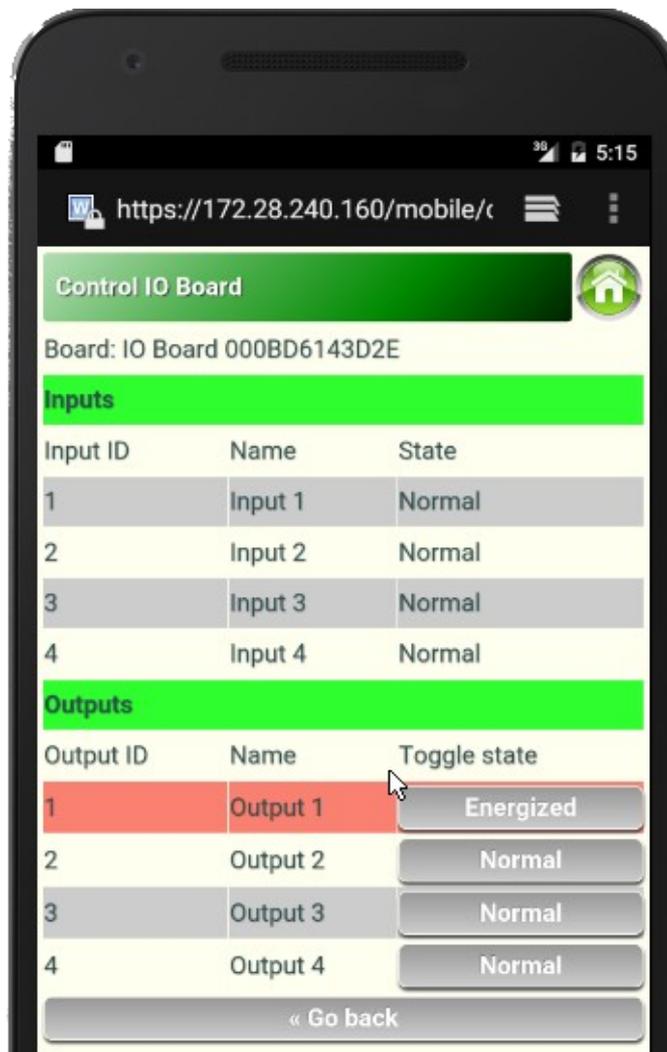
For every door it is possible to open a control menu. Take care the options shown here are **not** context sensitive, therefore it is possible to issue a command to close a door which is already closed. Such a command won't do anything but is not harmful.



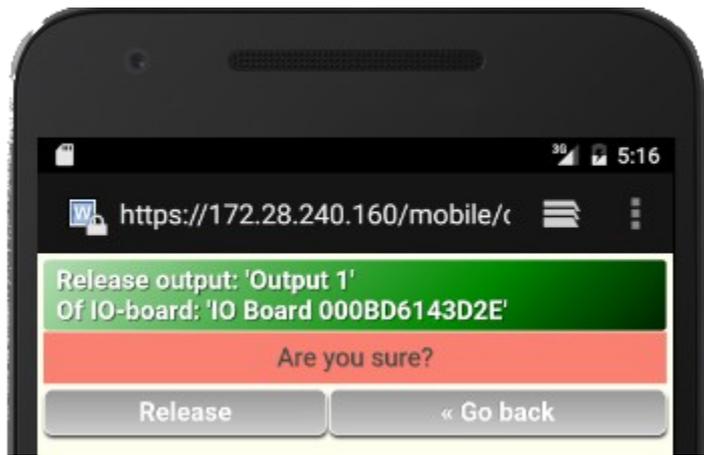
IO controller overview



The menu option 'IO board info' shows an overview of all installed IO boards. An IO board is marked 'active' if at least one of its IO ports is energized or is 'set'.



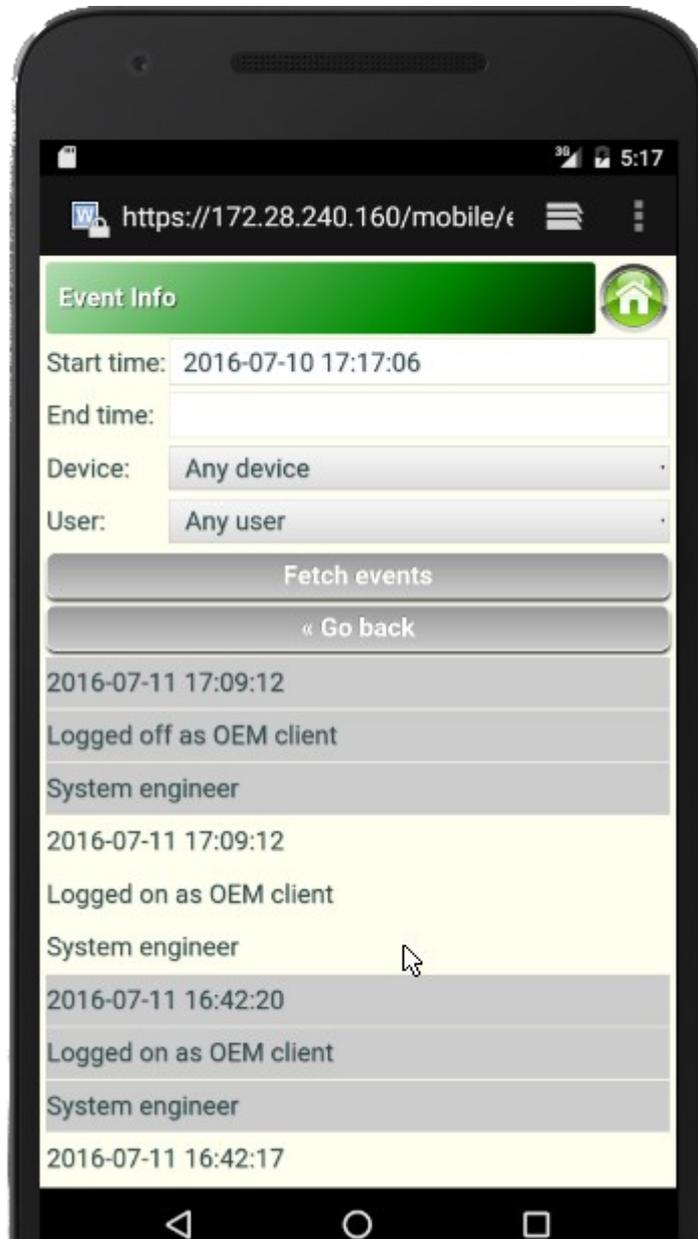
Per IO board, a detailed overview of all IO ports can be requested..



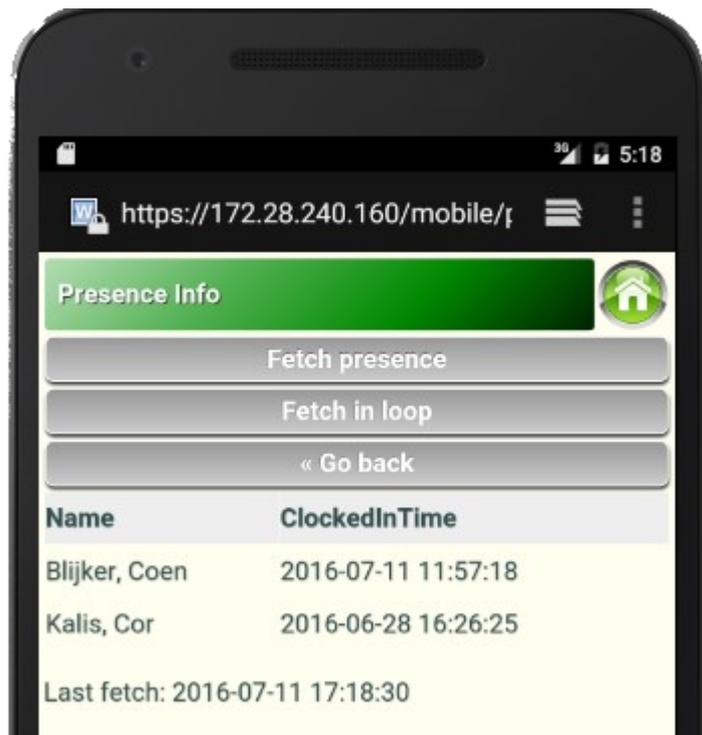
Dependant on someone's 'roll' the relays can be energized or released also.

Events overview

This page shows an overview of all events that occurred the last 24 hours by default. The possibility is offered however to drill down to a more specific period in time or to focus on events related to a door or a particular user.



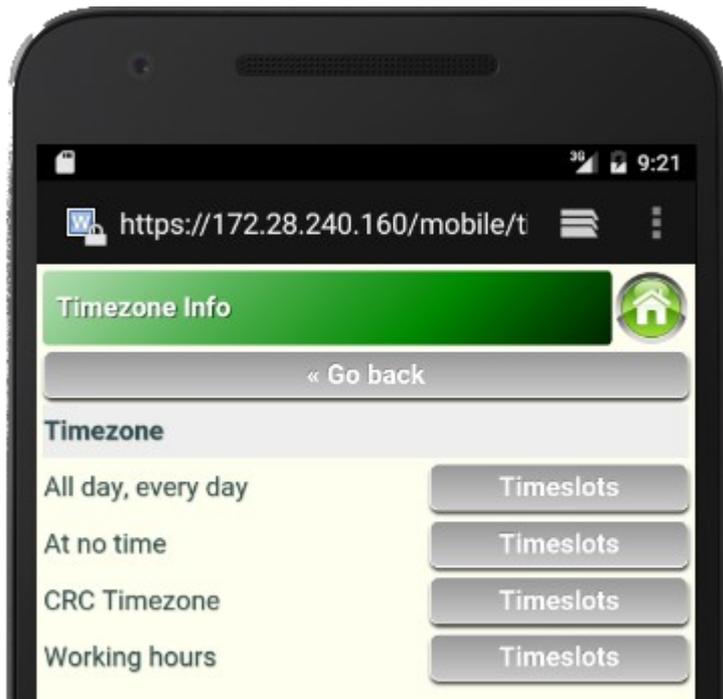
Presence overview



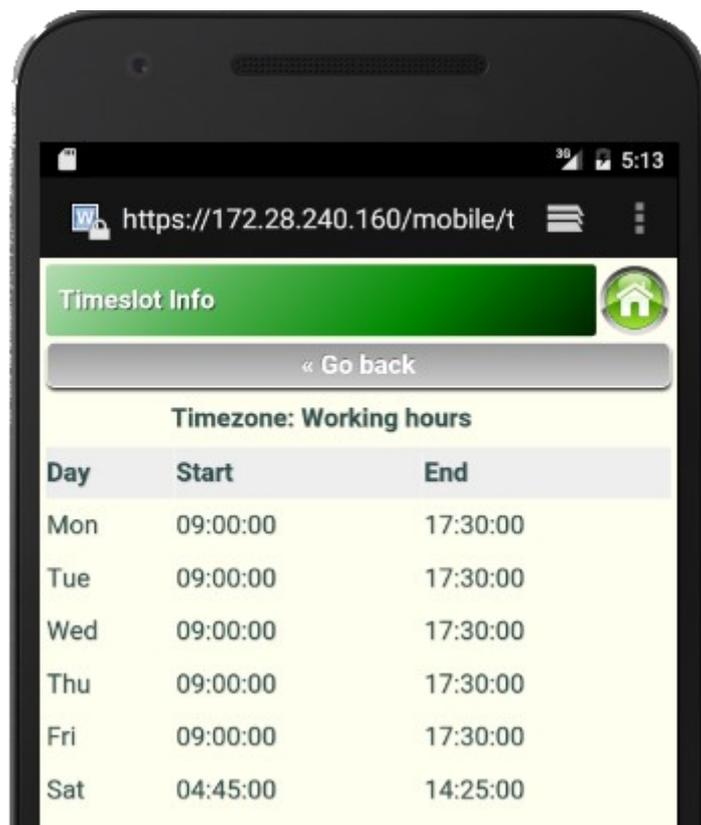
This page will show an overview of all card owners present. A prerequisite is that at least two card reader are being defined as 'Clocked-in/out' readers.

The option “Fetch in loop” will update the presented information every 10 seconds.

Time zone overview



The option: 'Time zone info' presents an overview of all known time zones.



Per time zone the possibility exist to present the coupled time periods.

User overview



The menu option: 'User info' will first show an overview of all known departments.

By clicking on one the showed departments an overview of all users connected to that department will be displayed.





Per user, a more detailed overview can be opened showing the access level and activation date.