



Platform User's manual

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1 Overview

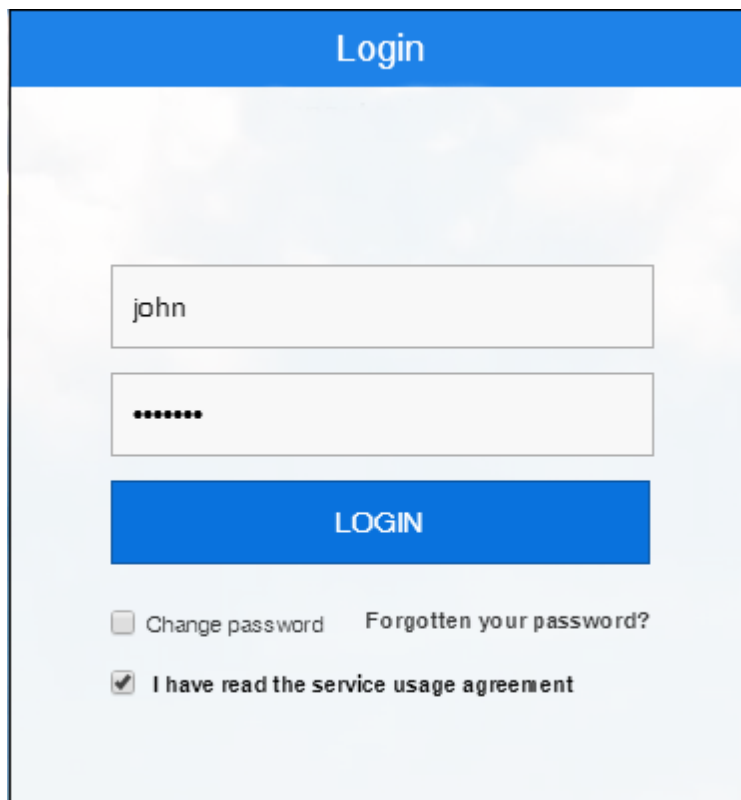
1.1 Login

To start working with the Web Signage management environment you need an Internet connection and a browser.

When you subscribe the service, we will supply you a application code. The typical platform address will have the `http://[your-application-code].wsapp.net` form.

The actual address may change, in some cases and in agreement with the DNS service provider, it can be completely customized.

The first page at the platform address asks for the user's security credentials:



After entering your username and password you will be redirected to the application environment. The menu is tailored for your role and all unnecessary or unauthorized functions are removed.

Selecting the Change password box, if allowed, you can change your password. In case you have forgotten your password, you can click on "Lost Password". This way you will receive a new temporary password, that will allow you to choose a new password.

1.2 Start

The Web Signage environment follows the structure of many Windows applications. According with the supplied credentials, the user interface is tailored to the user's role. The interface has a menu on the left sidebar. By clicking on a menu item the requested functionality is loaded on the right.

websignage • interactive • dynamic • measurable Home Main Administration Video Layout Interaction ...	Welcome to Web Signage John Doe			Help
	Start			
	Name		Group	Last notification:
	Inactive or disabled players:			
	Central Shop	Shopping Center		N.A.
	Disconnected players or waiting to be disabled:			
	Atelier	Shopping Center		2/10/2014 4:38:53 PM
	Stop&Shop	Shopping Center		2/10/2014 4:38:53 PM
	Parking	Shopping Center		2/10/2014 4:38:53 PM
	Active players:			
Hall	Shopping Center		2/10/2014 4:38:53 PM	
MD fast food	Shopping Center		2/10/2014 4:38:53 PM	

The figure displays the start page (start button), containing a summary and the operational status of the players available, according to the current operator's role.

Meaning of the icons shown in the player list

As well as in the start page, there are four icons used to display the player status:

-  Indicates that the player is active, meaning that a connection has been established with the platform within the update interval set in the detail page.
-  Indicates that the player is not connected, meaning that a connection has not been established with the platform within the update interval set in the detail page.
-  Indicates that the player is not activated yet or that has been disabled.
-  Indicates that the player is on stand-by as programmed.

Functions for the following basic operations are available for every user from the Main menu:

1. Go to the start page (**Start**);
2. **Log off**;
3. Change the **Password** for the current user;
4. Change the **Display** options, such screen sizing mode, the number of records per page, the language and the format (for date and time).

At the bottom of the start page are shown the licensing information and the available storage space.

This software is licensed to  for a maximum number of **100** players. **5** players currently in use
 There are **48.8 GB** players. **2.99 MB** players currently in use **48.8 GB** available.

1.3 Environment

Web Signage has a multi-user and multi-role environment. This means that many user can work at the same time, using only the functions allowed by their own role.

Hierarchy

The organizational structure within Web Signage has the following hierarchical structure:

Areas > Is the topmost level and contains the Services. An area can be used to represent an organization.

Services > The Services within an area can be used to represent a division.

Users > Every user belongs to a Service

The hierarchy defines platform's basic behaviour:

- Every user belongs to one service which belongs to one area only.
- A user can see the data of others as allowed by his privileges and his membership to a service or a area.
- Higher privileges allow to access to all data within the user service or area or to all data of all areas (all

data of all users)

- Every area can be used to represent a virtual organization, potentially invisible to other ones and containing isolated divisions and users.

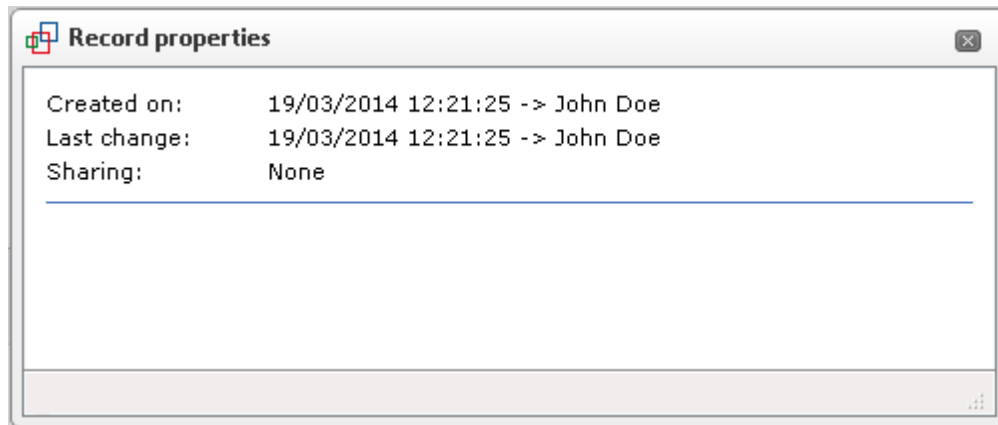
Record properties

As we saw, you can isolate the application usage context in several organizations and units.

This applies to every record managed by Web Signage. All objects (player, clips, schedules, etc.) can be isolated following the same criteria and share the following features:

- A record can be created, retrieved, updated and deleted and every single activity is secured by specific user privileges defined within user roles.
- Every record belongs to the user that created it. The creator is the *owner*.
- The user as full privileges on his own records.
- The record ownership can be transferred to another user only by the owner (*Assignment*).
- A record can be shared with one or more users or groups even giving them additional privileges.
- A record can be shared with or assigned to operators within the current user's scope, as specified by the User view option of the User management interfaces.

To show the properties of a selected record (on whatever page it is shown), just click the  **Properties** button in the toolbar, and a window will appear with a summary of the settings.



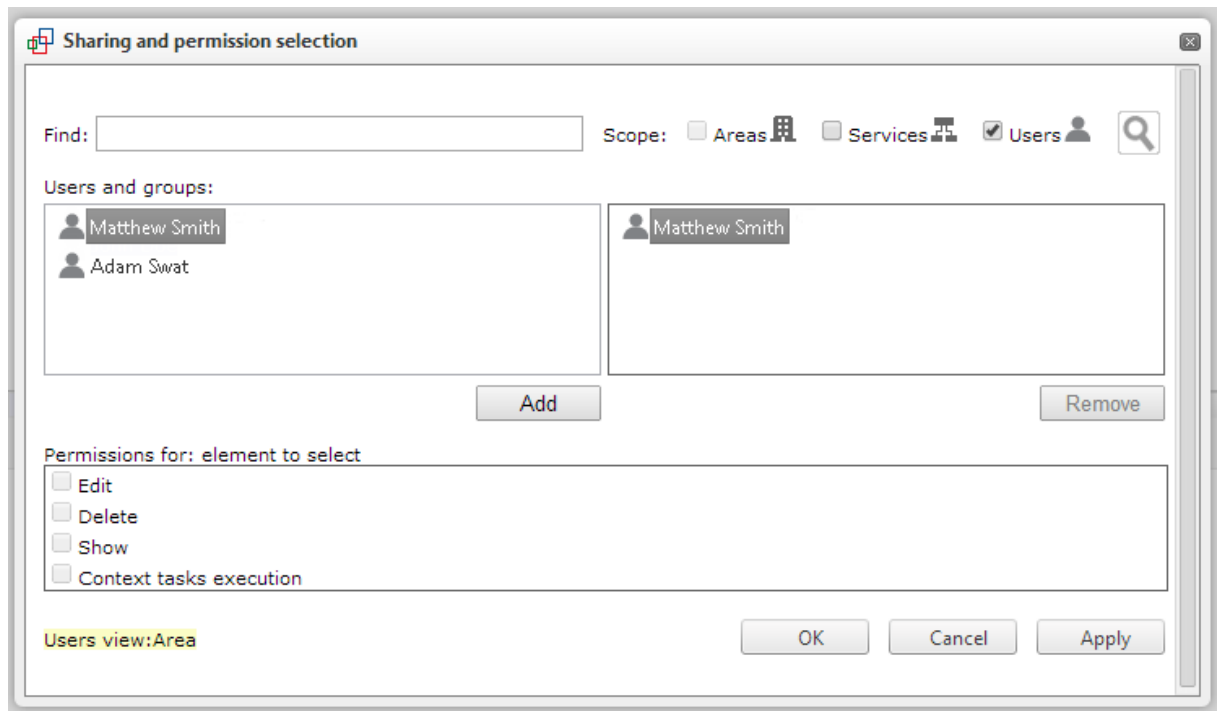
1. **Created on:** date and time of creation followed by the creator user name
2. **Last change:** date,time and user name of last save
3. **Sharing:** shows the users with whom you shared the record.

The record owner can be seen on the top-right corner, just below the toolbar, in the format name\sub-area\area.



To change the owner of a record, click on the toolbar button  **Assign**. A popup window will show a list of all users within the current user's scope, as specified by the User view option of the User management interfaces. Select an user and click on OK. The previous owner will lose all privileges which will pass to the new one.

To change a **sharing** click on the toolbar button  **Share**. Select one or more user, service or area from the popup window. Only the visible users are shown.



After adding the user or the context in which to assign privileges, you can define the permissions on the record, selecting various options.

It is important to note that you can decide to assign and share the records with individuals, departments, areas, or all of them, as specified on the *User view* property of the User detail:

- **User view set to None**
you cannot share or change the ownership of your records
- **User view set to Service**
you can share or change the ownership of your records only with users belonging to your service
- **User view set to Area**
you can share or change the ownership of your records only with users belonging to your area
- **User view set to All**
you can share or change the ownership of your records with any user of the platform

Record privileges

The creation, change and deletion of records as well as the visibility of specific kinds of objects (players, clips, schedules etc.) are secured by specific privileges. The set of privileges granted to a user is defined with user roles.

For every kind of records it is possible to grant the following record privileges:

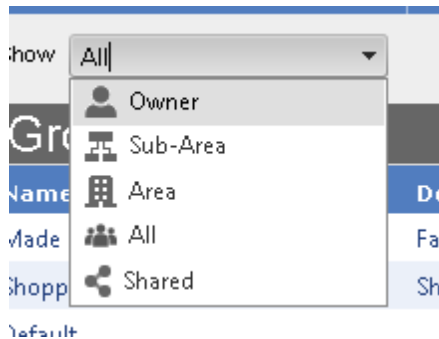
- **New**
Enables the *New* button on summary and on details pages, leaving the user free to add new records.
- **Edit**
Enables the *Edit* button on summary pages, leaving the user free to open detail pages and change the visible records.
- **Delete**
Enables the *Delete* button on summary and on details pages, leaving the user free to delete the visible records.



For every kind of records it is possible to grant the following display privileges:

- **Service**
All records owned by users belonging to your service are shown
- **Area**
All records owned by users belonging to your area are shown
- **All**
All records are shown
- **Shared**
All records shared with the current users are shown.

Enabling these option will cause add a related option to the Show combo box of the summary pages.



Note that the **Shared** option is always present and the sharing privileges have priority over the user role privileges.

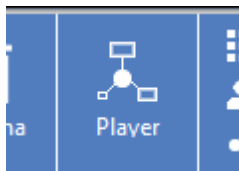
In-context tasks:

All described privileges are common to all kinds or records. Some objects have additional in-context tasks, that are visible in the toolbar, just at the right of the buttons New/Edit/Delete.

The function of the task is strictly related to the record type and are shown only if enabled on the user's role.

The in-context tasks can be of two types:

- General tasks, always visible within the record list and used to work on the whole record set.
- Context sensitive tasks, visible only if a record is selected and used to act on it.



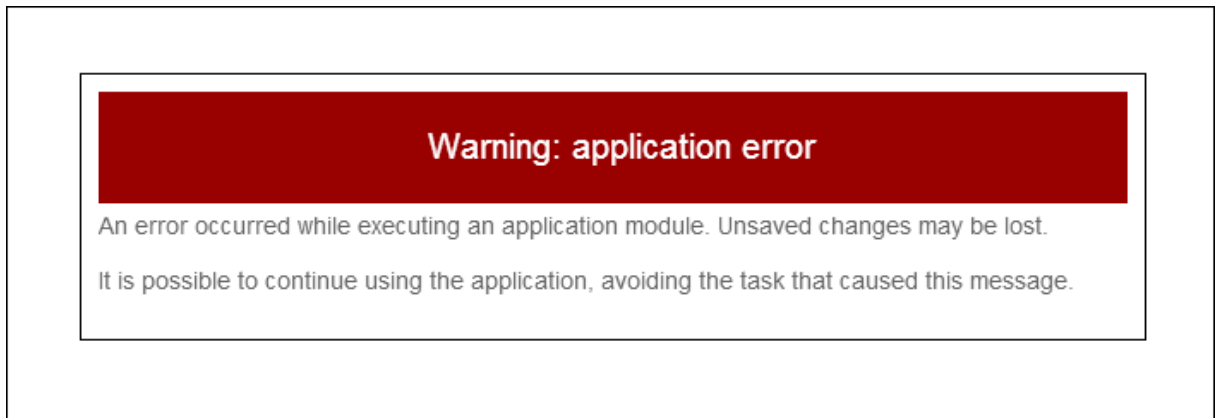
To start an in-context task, click on its icon or name.

1.4 Technical support

Web Signage has a built-in error analysis and notification system. All errors occurred while using the platform are automatically notified to the technical support. The modular structure of Web Signage

isolates the error to a single functionality, leaving the user free to continue to use all other functions.

If an error occurs, a detailed technical report is generated automatically and sent to the technical support. The analysis centre immediately starts to investigate on issue for a fast resolution.



All bug fixes will be applied transparently by the technical support on the data center infrastructure, without interfering with your work or requiring any kind of setup.

The described processes are managed within a UNI EN ISO 9001:2008 compliant quality system, as certified by Perry Johnson Registrars, Inc for all software application development and related evolutive maintenance and service supply processes of Edisonweb.

2 Administration

The administration and configuration of the multi-user and multi-role environment is delegated to the system administrator. The environment is based on a hierarchical organizational structure, with functional areas at top, from which depend on the services containing the users. Each operator will then be associated with a service belonging to an area. Moreover, each user will be associated with one or more roles, which determine the access privileges to the various features of the software.

2.1 Areas

The functional areas are group of services within the organization.

It is possible to create, retrieve, update and delete an area. Moreover, using the in-context tasks it is possible to display the lists of all **users** and **services** related to the selected area.

1. To **create** a new area, click on the **New** button and fill the detail page shown.
2. To **update** an existing area, select the desired area from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** an area, select the desired area from the list and click on the **Delete** button.

Note: you can only delete empty an area. If a service belongs to the selected area, the deletion is not possible. You have to remove all services belonging to the area first.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page.

Area details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The active filters are shown in the Toolbar below the buttons New/Save/Publish/Delete.

The **Name** field is required, as well as all fields marked with an * (asterisk).

The **Description** field is optional.

The screenshot shows the 'Areas' detail page. The toolbar at the top contains the following buttons: New (plus icon), Save (floppy disk icon), Publish (globe icon), Delete (trash icon), Save and back (floppy disk and back arrow icon), Back (back arrow icon), Users (people icon), Services (gears icon), and Help (question mark icon). Below the toolbar, the search filter is set to 'none' and the page number is 3/7. The main form has two fields: 'Name*' with the value 'Demo' and 'Description' with the value 'Demo project.'

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.

4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:** back to the index page without saving changes.
6. **Scroll to first (<<)** and **to last record (>>)**
7. **Scroll to previous record (<)** or **next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

2.2 Services

A service, that can be part of a bigger [area](#), contains system [users](#). Every user accessing to the platform is related to only one service.

The screenshot shows the Administration interface. On the left is a sidebar with a tree icon and the word 'Administration'. Below it are links for 'Areas', 'Services' (which is selected), 'Users', and 'Roles'. At the bottom of the sidebar is a back arrow icon. The main content area has a top bar with icons for 'New' (plus), 'Edit' (pencil), 'Delete' (trash), and 'Users' (people). There is also a 'Help' icon and an 'Export into Excel' button. Below the top bar is a search bar labeled 'Full text search' and a dropdown menu for 'Area' set to 'All'. The main section is titled 'Services' and contains a table with three columns: 'Name', 'Description', and 'Area'. The table lists three services: 'Default' (Default area), 'Deployment' (Deployment service, Customer area), and 'Graphic development' (Graphic area). Below the table is a pagination bar with 'all' selected, a range '[0-9]', and an alphabetical index 'a b c d e f g h i j k l m n o p q r s t u v w x y z'. A page indicator shows '1' and 'Page 1 of 1, items 1 to 3 of 3'.

Name	Description	Area
Default		Default
Deployment	Deployment service	Customer
Graphic development		Graphic

It is possible to create, retrieve, update and delete a service. Moreover, using the in-context tasks it is possible to display the lists of all **users** related to the selected service.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Note: If a user is associated to the selected service the deletion is not possible. You have to remove all relationships first.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Area: Is a drop down list containing the list of all areas and the options *All* and *None*. You can use it to filter the list showing all records (*All*), all records not belonging to an area (*None*) and all records belonging to a specific area.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the **<<** (previous page) and **>>** (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page.

Service details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The active filters are shown in the Toolbar below the buttons New/Save/Publish/Delete.

The **Name** field is required, as well as all fields marked with an * (asterisk).

The **Area** drop down list is used to put a service within a specific area. The option *None (default)* is used for services not belonging to any area.

The **Description** field is optional.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:**
6. **Scroll to first (<<) and to last record (>>)**
7. **Scroll to previous record (<) or next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

2.3 Users

The users management, like all others administration functions, is visible to system administrators only. With the Users management it is possible to create a new user within a service and store all data needed for system access like name, e-mail address, username and password.

Name	Service	E-mail	Phone	Fax
Doe John	Graphic development\Graphic	jdoe@mycompany.com		
Rossi Mario	Deployment\Customer	mario.rossi@mycompany.cc		
Smith Matthew	Graphic development\Graphic	m.smith@mycompany.com		
Swat Adam	Graphic development\Graphic	adam@mycompany.com		

It is possible to create, retrieve, update and delete a service. Moreover, using the in-context tasks it is possible to display the lists of all **users** related to the selected service.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Note: If a user is associated to the selected service the deletion is not possible. You have to remove all relationships first.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Service: Is a drop down list containing the list of all services and the related area (between brackets) and the option *All*. You can use it to filter the list showing all records (*All*) or all records belonging to a specific service.

Show: Is a drop down list containing the list of all user types and the option *All*. You can use it to filter the list showing all users (*All*) or a specific type of users.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page.

User details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The active filters are shown in the Toolbar below the buttons New/Save/Publish/Delete.

The **Service** field is required and it defines the service the user belongs to. Other required fields are **Name**, **Surname**, **Email**.

New

Save

Publish

Delete

Save and back

Back

User privileges

Help

Service: All - Search filter: none

4/4

Users

Service*: Graphic development (Graphic)

E-mail*: jdoe@mycompany.com

Name*: John

Phone: 123456

Surname*: Doe

Fax: 456789

Title:

Cell-phone: 987412

Login

☐ Strong authentication

Validity period: None

Next renewal: Nessun valore

Username: john

☐ Must change password at first logon

Password:

☒ Cannot change password

Confirm:

☐ Account disabled

Expiration:

☒ Account never expires

Type

☒ System administrator

☐ Web user

User view

☐ None

☐ Service

☐ Area

☒ All

Roles

☐ Administrator

☐ Publisher

☒ Account Manager

☐ Responsabile palinsesti

Login

This section contains the username and password used for login. The username must be unique. It is possible to define an account expiration date and the following properties:

1. **Must change password at next logon:** improves the account security with a forced password change at next login;
2. **Cannot change password:** User cannot change his password;
3. **Account disabled:** the user account is cannot be used to log on the system;
4. **Account never expires:** bypasses the account expiration date.

Type

Every user can be of one or more types:

1. **System administrator:** User has access to the administrative functions (Areas, Services, Users and Roles)
2. **System operator:** User can log on the system and use all functions granted by its role. The administrative functions are unavailable if the previous box is not checked.
3. **Web user:** User can log on an external areas like web services with restricted access.

User view

The user view defines the users available for record sharing and reassignment (user's scope):

1. **None:** User cannot see the others. This means that he may not assign or share any resources;

2. **Service:** User can only see the users belonging to his service;
3. **Area:** User can only see the users belonging to his area;
4. **All:** All users are visible.

Roles

The roles define the authorization levels and the allowed functionalities .

Selecting a role you grant the set of privileges defined in the role itself. If more than one role is selected, the related privileges will overlap.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:**
6. **Scroll to first (<<) and to last record (>>)**
7. **Scroll to previous record (<) or next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

2.4 Roles

Role management lets you freely customize the profiles of access to Web Signage for users, by mapping with single functionality. Similarly, user management, this feature is a power reserved exclusively to the system administrator.

Name	Description
Administrator	It has all the rights.
Publisher	Publishing Content
Account Manager	Manages users of the software platform
Schedules manager	Responsible for planning and composition of schedules.

It is possible to create, retrieve, update and delete a role. Moreover, using the in-context tasks it is possible to display the lists of all **users** related to the selected role.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Note: If a user is associated to the selected role the deletion is not possible. You have to remove all

relationships first.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Role type: Is a drop down list containing the two role types (User roles created by users and System roles, built-in and unchangeable) and the option *All*. You can use it to filter the list showing all roles (*All*) or a specific type of role.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page.

Role details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The active filters are shown in the Toolbar below the buttons New/Save/Publish/Delete.

The **Name** field is required, as well as all fields marked with an * (asterisk).

Role: All - Search filter: none

Roles

Name*: Schedules manager

Description: Responsible for planning and composition of schedules.

Task assignments map

- ☒ Video
 - ☒ Geographic area
 - ☒ Coupons
 - ☒ Groups
 - ☒ Target
 - ☒ Video player
 - ☒ Media library
 - ☒ Video clip
 - ☒ Owner
 - ☒ Sub-Area
 - ☒ Area
 - ☒ All
 - ☒ New
 - ☒ Edit
 - ☒ Publish
 - ☒ Delete
 - ☒ Preview

Detail

- Group**
Video
Video player clip and schedule configuration
- Application**
Video clip
Video clip management
- Task**
Owner
Shows the owned records

Task assignments map

The task assignment map allows to define the role granting system functions. Functions are grouped homogenously in the same order in which they appear in the menu bar. Only checked functions will be available to that role and the user interface will be modeled accordingly. As you can see, this allows a detailed customization of privileges and security policies, while offering great flexibility for managing tasks and workflows within any type of organization.

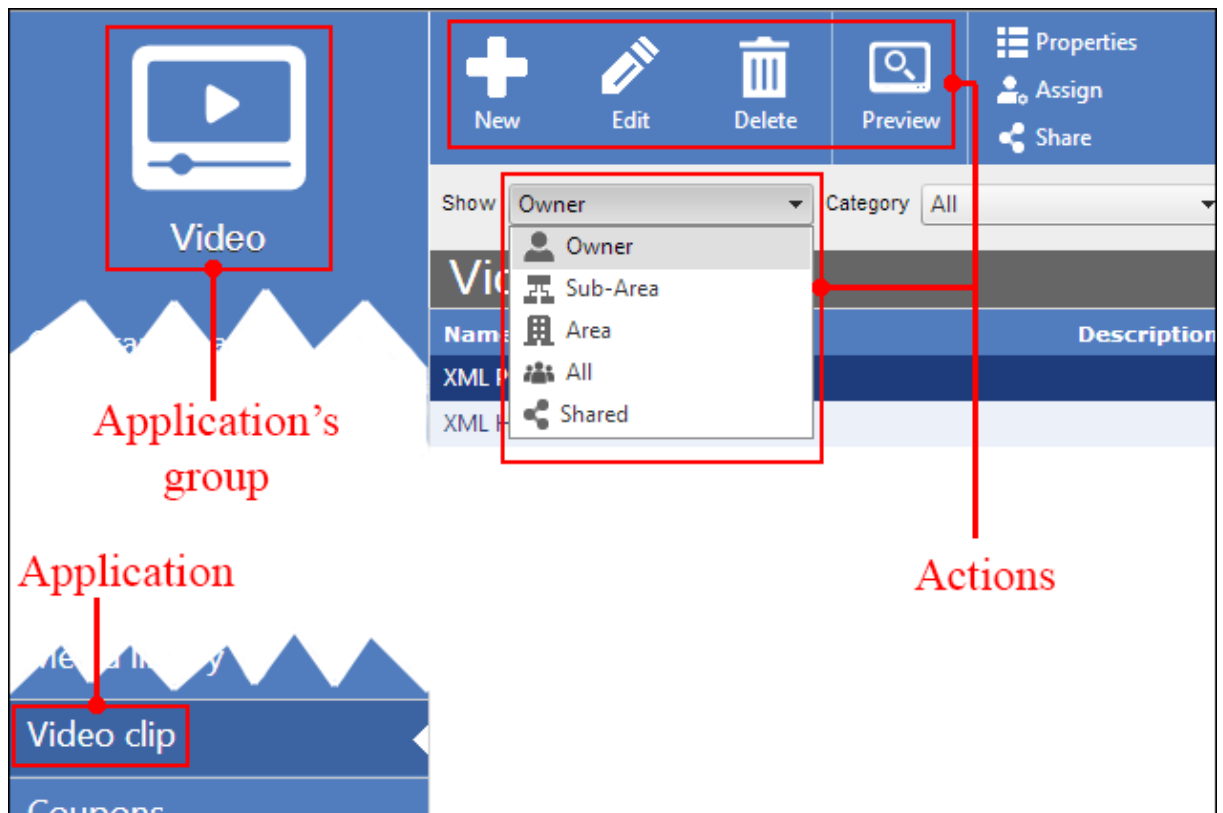
Clicking on each function on the right side will appear a legend showing the related group and application.

In the example below, we have that the role allows access to the **Video Clip** application within the **Video** group (video content management and scheduling).

The role grants additional privileges of the **Video Clip** application:

- the ability to view records created and owned by the current user and by all other current users (regardless of his area and service)
- the ability to create, edit and delete records
- the ability to use in-context tasks

The example map above will shape the interface of the user with the specified role as follows:



The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:**
6. **Scroll to first (<<) and to last record (>>)**
7. **Scroll to previous record (<) or next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

In-context tasks

For this kind of record the following in-context tasks are available:

- **Users:** open a window with the list of the users connected with the selected role.

3 Scheduling

3.1 Video schedules

A schedule is basically a list of clips with a validity interval and a programming for every time slot. Every clip has its own position, length and number of loops within the programming.

A schedule can be applied to a single player or to a group.

</

It is possible to create, retrieve, update and delete a schedule.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Group: Is a drop down list containing the list of all groups and the option *All*. You can use it to filter the list showing all records (All) or all records belonging to a specific group.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Schedule detail

The page with all of the details about a single Schedule can be easily accessed by clicking on the toolbar "Edit" button, provided that the schedule of interest has been previously selected.

The upper part of the page contains a summary where one can apply some filters. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is required and it's used to identify a schedule.

The optional **Start date** is used to define when the schedule will start to be available to the players. If not supplied, the schedule will be active upon publishing.

The optional **End date** is used to define when the schedule will be no more available to the players. If not supplied, the schedule will be always available.

The **Group** list box is used to associate a schedule with a player group.

The **Player** list box is used to associate a schedule to one or all of the players belonging to the selected group. If Group is set to All, then All players is the only option.

Authorization: All - Search filter: none

Video schedule

John Doe\Graphic development\Graphic

Name*:

Start date:

End date:

Group:

Player:

Planning

The middle part of the page contains the planning section, with the list of all of the clips belonging to the Schedule. One can choose on which day of the week the Schedule should be played. This can be done by just checking the appropriate day checkbox. One can further choose among four different (non overlapping) time slots for every single clip that is in the Schedule. An additional generic time slot covers the whole day. Clips in this area will be played regardless of time. The programmes of the time slots will be merged to create the appropriate playlist for each time.

The number of schedules is unlimited and if several schedules overlap on the same time slot the playlists will merge. In case of overlapping of very long programmes the time slot can be filled and some clips cannot be played. A function on the analysis page will warn if a specific timeslot is full.

Schedule

☒ Su ☐ Mo ☐ Tu ☐ We ☒ Th ☒ Fr ☒ Sa

[0-24] [0-12] [12-14] [14-18] [18-24]

Size	Name	Duration (sec)	Parameters	Dynamic parameters
	Fashion	12		0 sec 0
	New Moon trailer	25		15 sec 1

Schedule total length for the selected time slot: 37 sec.

Add Up Down Edit Delete ☐ All recurrences

Every clip can be moved **up** and **down** the list or **deleted**. The **All recurrences** check box (bottom right) is useful if all occurrences of a clip need to be removed from the time slot.

The following options are shown for every clip (immediately visible with some icons or text in the clip list):

- Size
- Duration (sec) – This is the actual clip duration
- Hide ticker
- Hide widget
- Interaction (sec)
- Repetitions (beyond the first time)
- Geographical area
- Age
- Gender
- Number of people
- Weather

-  Temperature
-  Start time
-  End time

Other clip properties, inherited from the template, are width, height and the estimated length based on the video and dynamic objects inside. The resolution gives information about the proportion (usually 16:9) and clips orientation (landscape or portrait).

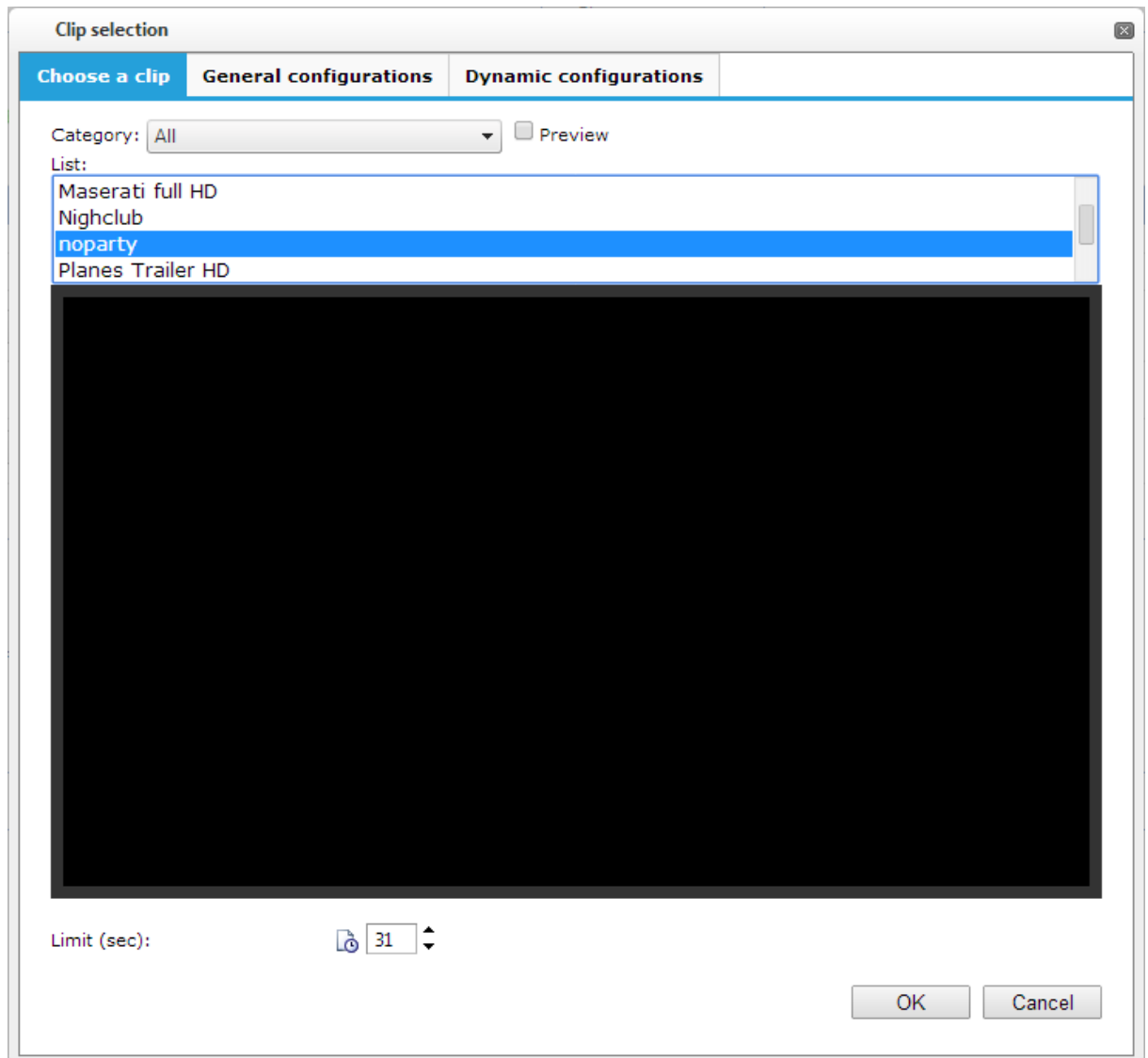
Note that the **estimated duration** sometimes differs from the real play time. This figure is calculated taking the higher execution time of the objects within the clip. If a clip contains an FLV video, the length is correct. For a Flash movie, the execution time is estimated dividing the total number of frames by the frame rate. The frame rate is set during the Flash movie creation and the number of frames depends on how the content is designed. If many movie clips are nested within the main timeline the estimated length can be inaccurate. Sometimes clips are developed with no intrinsic duration, or with a cyclic behaviour, e.g. news ticker, wheather forecast, animations with user-interaction. Therefore, the real execution time in seconds shall be set using the **limit** property. A limit set to zero means that the clip never ends. A clip (with a larger than zero limit) can have an execution time higher than its limit only in the case of a user-**interaction**, e.g. touchscreen or other pointing device. In this case, the play time will be increased of the number of seconds set in the **Interaction** property. If this property is set to zero, the clip will not respond to user interactions.

Adding a new clip

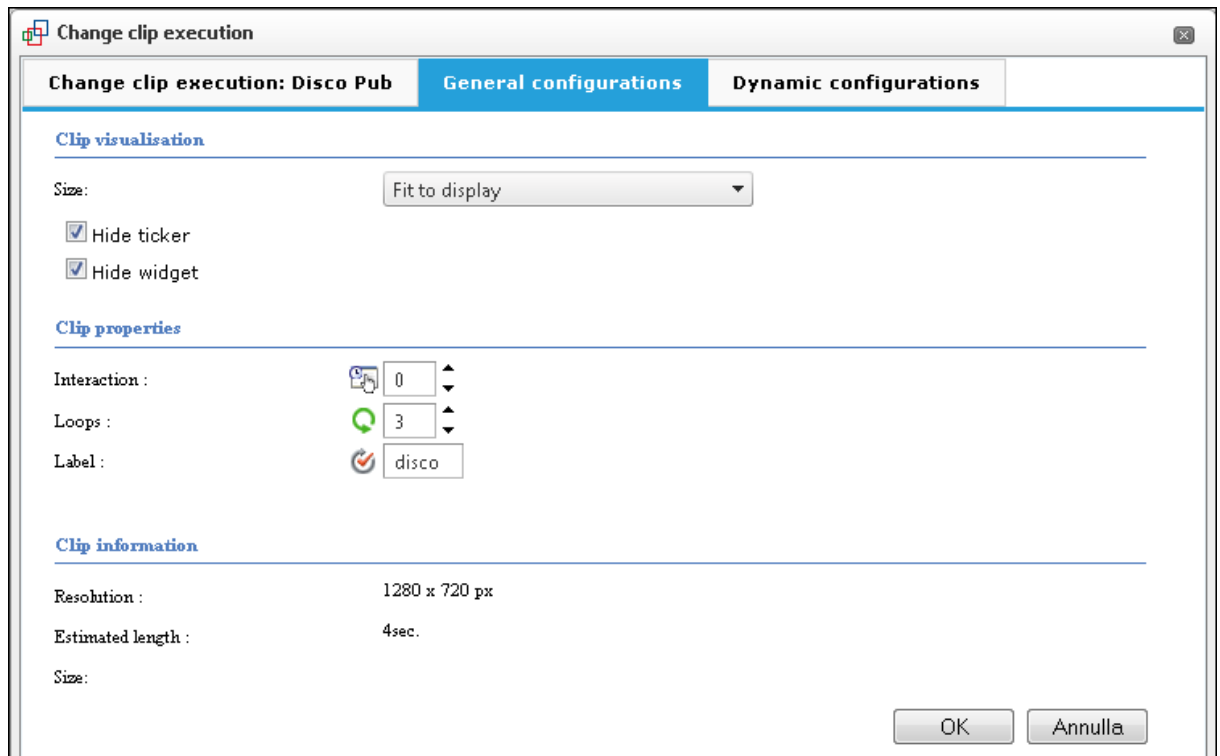
To add a new clip click on the **Add** button, below the clip list. The button opens the Clip selection window, listing all clips available to the current user. The window contains four tabs: **Choose a clip**, **General configurations**, **Dynamic configurations** and **Preview**.

Choose a clip tab

Select the clip from the list. You can use the dropdown list to filter on the clip category. In the bottom part of the tab you can find **Limit (sec)**, this is the clip execution time.

**General configurations tab**

The parameters in this tab are classified into three groups: (1) **Clip visualisation**, (2) **Clip properties** and (3) **Clip information**.



Clip visualisation section

1. **Size**: set the visualisation options in case the stage area and the clip dimensions do not correspond:
 - a. **Original aspect ratio**: show the content without changing the original aspect ratio and resolution (no distortion). Borders may appear on the 2 sides of the content.
 - b. **Zoom original**: scale the content to fit the area. The content is not distorted and the resolution is not changed, but the content may be resized and cropped.
 - c. **Fit to display** (default): the whole content is visible in the area without forcing the original proportions. Distorsions may occur if the size does not correspond.
2. **Hide ticker**: check to hide the ticker during the clip execution.
3. **Hide widget**: check to hide the widget during the clip execution.

Clip properties section

1. **Interaction**: user-interaction timeout;
2. **Loops**: number of repetitions, beyond the first execution. Loops set to zero means execute at least one time;
3. **Label**: a label to mark the clip, this can be used when developing advanced template.

Clip information section

1. **Resolution**: clip resolution, in pixels;
2. **Est. duration**: estimated clip duration, in seconds;
3. **Size**: ???

Dynamic configurations tab

It is possible to execute a clip only when some conditions are met. These conditions fall into four categories: (1) Proximity parameters, (2) Classification parameters, (3) Meteorological parameters and (4) Time parameters.

Warning: in order to take advantage of these features you need to use the player software version 5.5.0.0 or higher.

Change clip execution: Disco Pub **General configurations** **Dynamic configurations**

Proximity parameters

☒ Geographic area New York

Classification parameters

☒ Age Young (0-24)

☐ Gender Male

☒ N° of people greater than 3

Meteorological parameters

☐ Weather Mainly clear

☐ Temperature greater than

Time parameters

☒ Start time 3:00

☒ End time 10:00

OK Annulla

Proximity parameters section

1. **Geographic Area:** the clip will be played only by the players that fall in the selected geographic area (multiple choice is possible). The players need to be localised (see field "Localisation" in player details).

Classification parameters section

To use this feature, the player needs the face detection module and a webcam.

1. **Age:** the clip will be played only if there is at least one target in the selected age range;
2. **Gender:** the clip will be played only if there is at least one target in the selected gender;
3. **N° of people:** the clip will be played only if the number of people matches the chosen setting (i.e. greater than 2);

Meteorological parameters section

1. **Weather:** the clip will be played only if the weather condition (as obtained from the closest station) matches the chosen setting;
2. **Temperature:** the clip will be played only if the temperature value (as obtained from the closest station) matches the chosen setting.

Time parameters section

If left blank, the clip can be played at any time.

1. **Start time:** the clip can be played starting from this hour;
2. **End time:** the clip can be played up to this hour;

Warning: If you check several parameters, the clip will be played only when all of the conditions are met.

Preview tab

Check the **Preview** box to see the clip preview.

Once the setup is complete, click the **OK** button to add the clip to the schedule.

Changing an existing clip

Select the clip from the schedule list. The **Edit** button opens the clip detail with the **Limit (sec)**, **General configurations** and **Dynamic configurations**. A preview is available checking the related box. Change the properties as needed and click OK to save your changes.

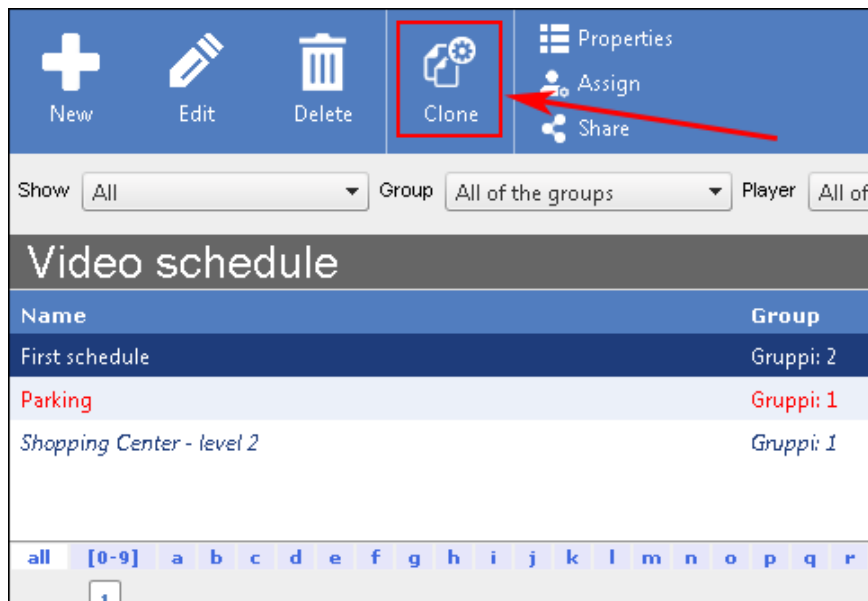
The following buttons are available in the toolbar:

1. **New**: clears all fields and prepares for a new record creation.
2. **Save**: this button is enabled only if there is unsaved data.
3. **Publish**: if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete**: upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back**: this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
6. **Back**: back to the index page without saving changes.
7. **Scroll to first (<<)** and **to last record (>>)**
8. **Scroll to previous record (<)** or **next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

Default in-context tasks

For this type of record, following in-context tasks are available:

- **Clone**: opens a window through which a schedule can be cloned. In the new window, choose a name for the new schedule. If the original schedule has been modified but not published, then you can choose to duplicate the schedule with the latest changes or not. The Clone button is very useful when one needs to play one of the existing schedule on a different player group.



In the pop-up window that will be opened, insert the name of the cloned schedule. If the schedule that should be cloned has been modified but not published, you can choose to clone the saved schedule or the publishes one.

Schedule duplication

Schedule duplication

Schedule name: Parking schedule **Player:** All

Group name: All **Changed on:** Si

Start date: 1/4/2014 **End date:** 30/4/2014

New schedule name: ☒ Published schedule ☐ Saved schedule

Duplicate

To complete the operation, click on **Duplicate**.

3.2 Audio schedules

A schedule is basically a list of [clips](#) with a validity interval and a programming for every time slot. Every clip has its own position, length and number of loops within the programming.

A schedule can be applied to a single [player](#) or to a [group](#).

Audio schedule Owner: John Doe/Marketing/Area Commerciale

Name	Group	Player	Start date	End date
Promo	Music World	All	27/01/2014	09/04/2014
MusicStore	All	All	01/01/2014	31/01/2014
Parking area	Music World	All	04/02/2014	25/04/2014

all [0-9] a b c d e f g h i j k l m n o p q r s t u v w x y z Page 1 of 1, items 1 to 3 of 3.

It is possible to create, retrieve, update and delete a schedule.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Group: Is a drop down list containing the list of all groups and the option *All*. You can use it to filter the list showing all records (All) or all records belonging to a specific group.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Schedule detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is required and it's used to identify a schedule.

The optional **Start date** is used to define when the schedule will start to be available to the players. If not supplied, the schedule will be active upon publishing.

The optional **End date** is used to define when the schedule will be no more available to the players. If not supplied, the schedule will be always available.

The **Group** list box is used to associate a schedule with a player group.

The **Player** list box is used to associate a schedule to a single player belonging to the selected group. If Group is set to All, then All players is the only option

Authorization: Owner - Group: All - Search filter: none

Schedules

John Doe\Marketing\Area Commerciale

Name*:

Group:

Player:

Start date:

End date:

Programming

The program contains a list of clips that will be used by the player in a time slot. There is a programming for 4 time slots. An additional generic time slot covers the whole day and it is used to program the clips that will be played regardless of time. The programming will be merged to create the appropriate playlist for each time. The number of schedules is unlimited and if several schedules overlap on the same time slot the playlists will merge.

The screenshot shows a 'Schedule' window with a toolbar at the top containing five buttons: [0-24], [0-12], [12-14], [14-18], and [18-24]. Below the toolbar is a table with the following data:

Clip name	Length	Loops	Label
Dave	210076	0	
supercar	78837	0	

Below the table is a row of five buttons: Add, Up, Down, Edit, and Delete. To the right of these buttons is a checkbox labeled 'All recurrences'.

Every clip can be moved **up** and **down** or **deleted**. The **All recurrences** check box is useful if all occurrences of a clip need to be removed from the time slot.

The following options can be set for every clip:

- Loops (number of loops, the first execution is excluded)
- Length (in seconds, calculated at file load)

Adding and changing clips

The **Add** button opens the Clip selection window, listing all clips available along with their previews. The same window can be used to change a clip.

The following buttons are available in the toolbar:

1. **New**: clears all fields and prepares for a new record creation.
2. **Save**: this button is enabled only if there is unsaved data.
3. **Publish**: if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete**: upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back**: this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
6. **Back**: back to the index page without saving changes.
7. **Scroll to first (<<)** and **to last record (>>)**
8. **Scroll to previous record (<)** or **next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

In context tasks

For this type of record, following in context tasks are available:

- **Clone schedule**: opens a windows to clone a schedule. If an identical schedule is needed to be distributed to another player group, just click on "Clone schedule".

Schedule duplication

Schedule duplication

Schedule name:	Promo	Player:	All
Group name:	Music World	Changed on:	Si
Start date:	27/1/2014	End date:	9/4/2014
New schedule name:		☒ Published schedule	☐ Saved schedule

Duplicate

In the pop-up window that will be opened, insert the name of the cloned schedule. If the schedule that should be cloned has been modified but not published, you can choose to clone the saved schedule or the publishes one.

To complete the operation, click on **Duplicate**

4 Content

4.1 Media library

Through the Media archive it is possible to manage multimedia content that will be used to create audio/video clip

The main page shows a summary list with the characteristic data of the files. In case of video files that have been saved, if the name is indicated in italic, then the file is still being encoded.

Warning: *videos need to be encoded before being available for a clip creation. The encoding time depends on the size of the loaded video. After they have been successfully encoded, all videos are available in the selection pop-up in Video clip detail page.*

The screenshot shows the 'Media library' interface. On the left is a sidebar with a 'Content' icon and a list of options: Media library, Video clip, Audio clip, Coupons, and QR Codes. The main area has a top toolbar with 'New', 'Edit', and 'Delete' buttons, and a search bar. Below the toolbar is a table titled 'Media library' showing a list of media items. The table has columns for Name, Description, File, and Dim.(MB). The first row is highlighted. Below the table is a pagination bar showing 'Page 1 of 1, items 1 to 5 of 5'.

Name	Description	File	Dim.(MB)
ducati_1199_1080p	MP4 1080p	ducati_1199_1080p	26.1233
MV1_0233	Landscape	MV1_0233.MOV	3.8353
Sunset Falcon	None	Sunset Falcon.jpg	0.1797
chocolat	None	chocolat.swf	2.1689
HD_orizental	None	HD_orizental.mp4	15.8824

Record management

1. To **create** a new object, click on the **New** button and fill the detail page shown.
2. To **update** an existing object, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** an object, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page.

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Record detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is mandatory and it is given automatically after the file has been uploaded. Afterwards it can be modified.

Notes and **Description** are optional

+

New

Save icon

Save

Globe icon

Publish

Trash icon

Delete

Save and back icon

Save and back

Back icon

Back

Help icon

Help

New record

◀

◁

▷

▶

New record

Media library

Name*:

HD_orizantal

Notes or description:

Media

Select



File:

HD_orizantal.mp4

Type:

Video

Size:

16263.6 KByte

Width:

N.A.

Height:

N.A.

Length:

21 sec.

Preview

☐ Keep the original video properties

Select file

Files are selected by clicking on Select. During the upload it is possible to terminate the operation by clicking on Cancel. After terminating the operation, click on Delete to allow a new file upload.

When you upload a video file, you can check the item Keep original video properties* if you want to maintain the properties of the original video.

If you do not check it, the system will encode the video in order to optimize its playback on the player.

**Select this item only if you are sure that the player has the appropriate video codec to play the video in its original format.*

File formats allowed for the upload are:

Immagini	Flash	Video	Audio
jpg	swf	flv	mp3
jpeg		f4v	
png		mp4	
gif		mp4v	
bmp		m4v	
tif		3gp	
tiff		3g2	
		mov	
		wmv	
		avi	

The following buttons are available in the toolbar:

1. **New**: clears all fields and prepares for a new record creation.
2. **Save**: this button is enabled only if there is unsaved data.
3. **Delete**: upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back**: this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back**: back to the index page without saving changes.
6. **Scroll to first (<<)** and **to last record (>>)**
7. **Scroll to previous record (<)** or **next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

4.2 Video clip

Video clips are a container for the visual media, interactivity and Bluetooth content. All clips are produced using the Web Signage platform starting from a template and put within a schedule to be played on a display.

Video clips are built using two kinds of templates: system templates and custom templates. System templates are supplied along with the platform and cannot be changed, custom template are added by the users and created using Web Signage Template Manager and its documentation.

It is possible to create, retrieve, update and delete a clip.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Category: Is a drop down list containing the list of all clip categories and the option *All*. You can use it to filter the list showing all records (*All*) or all records belonging to a specific category.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner**: All records owned by the current user are shown.
2. **Service**: All records owned by users belonging to current user's service are shown
3. **Area**: All records owned by users belonging to current user's area are shown
4. **All**: All records are shown
5. **Shared**: All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Clip details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is required and it's used to identify a clip within a schedule.

The **Customer** list box is used to associate a clip with a customer. It is used to generate customer specific reports.

The **Category** list box is used to associate a clip with its category.

The **Notes or description** field is optional.

Authorization: Owner - Category: All - Search filter: none

Video clip John Doe\Graphic development\Graphic

Name*: Fast food

Customer: MD Fast Food

Category: Advertising

Notes or description: Promotions of gastronomic week.

Template selection

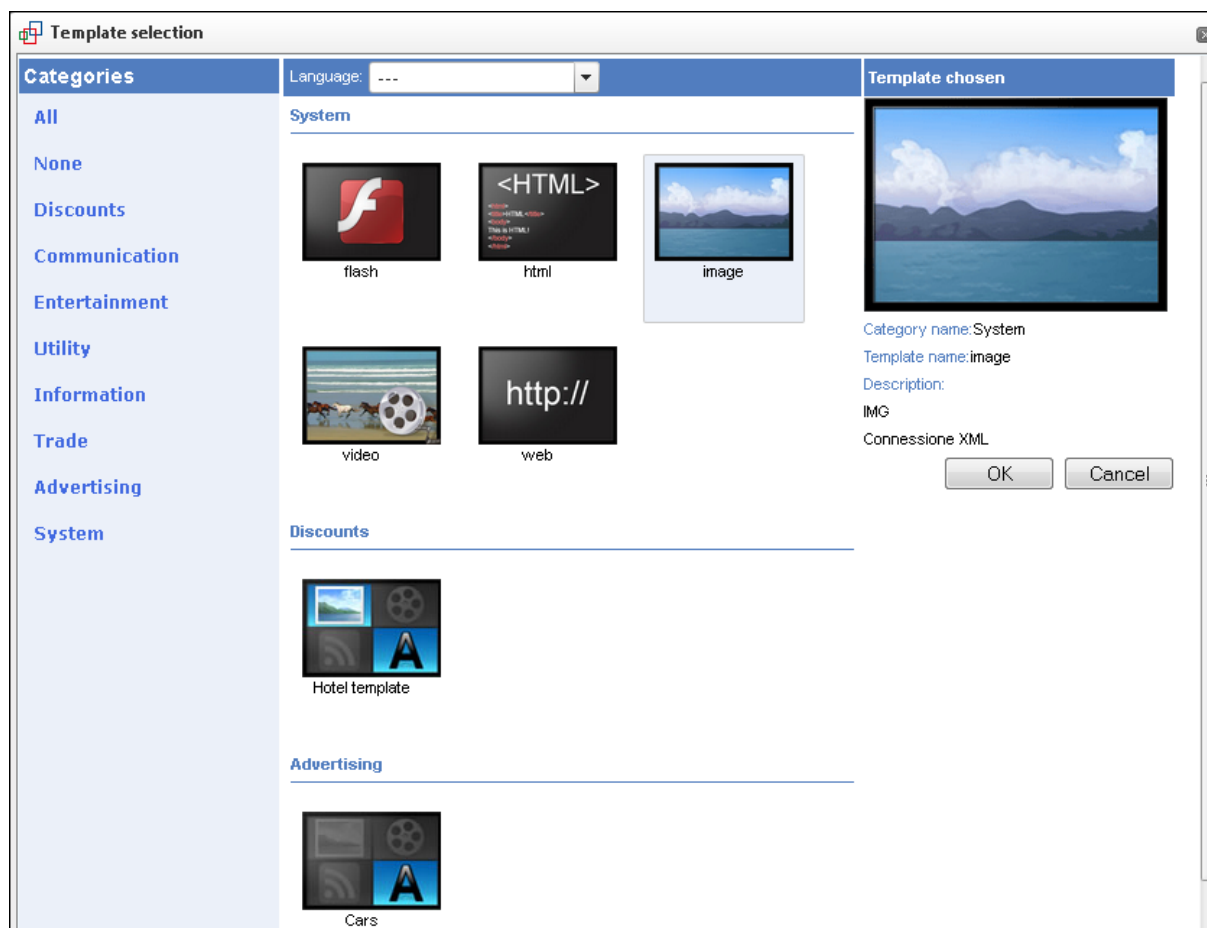
Selecting a template is the first step for creating a new clip. All template files have a WST extension.

Template selection

Template (wst)*:

Select Apply

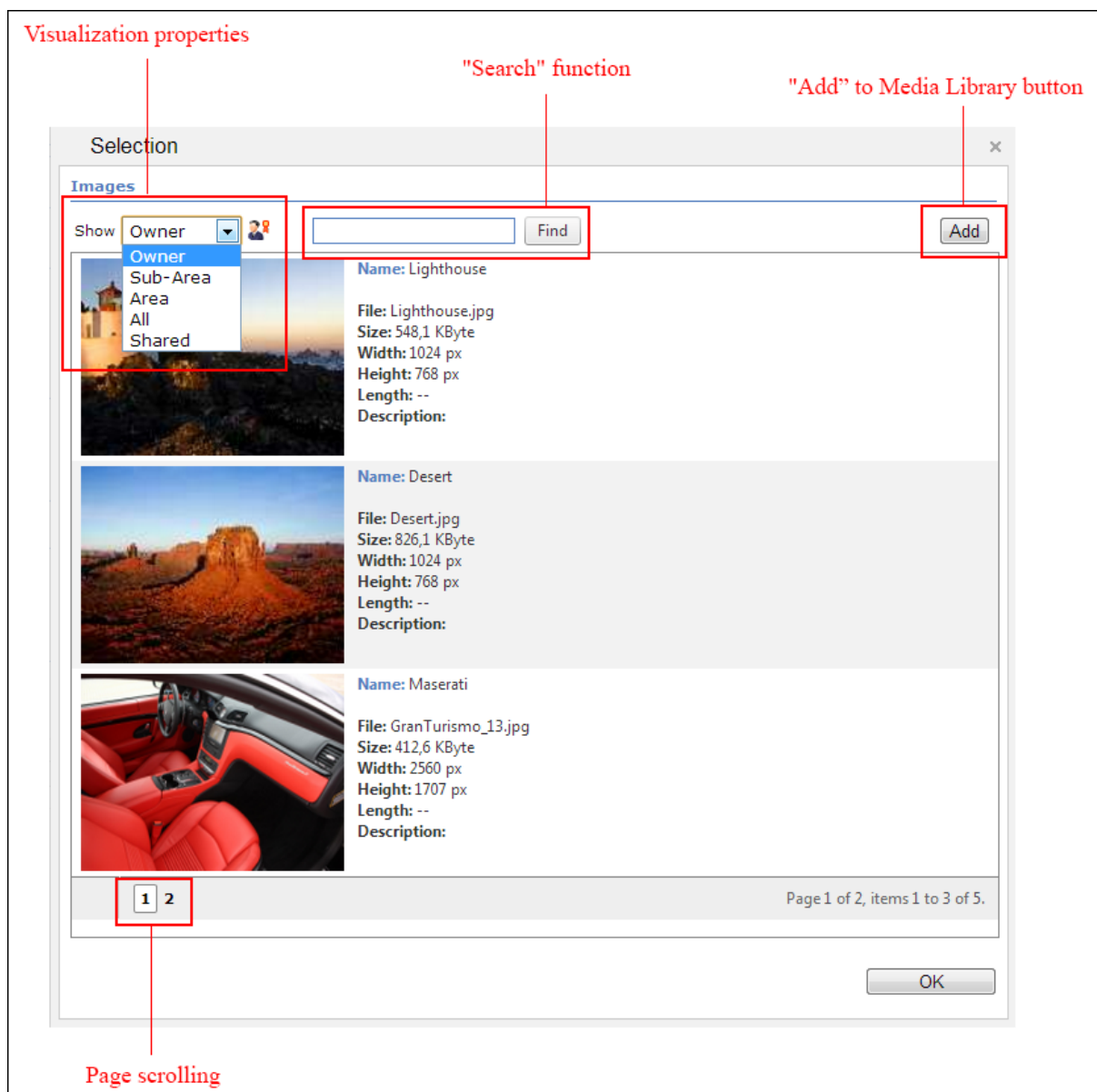
When you click on **Select**, you can select a template from the **Template library**



By selecting the category on the left column, only the templates belonging to this category. Select the template and click on **OK**.

Click on **Apply** to apply the template to the clip and activate the fields where texts, images, links to video sources or XML data can be inserted

To load a content available in the **Library (images, videos or SWF Flash files)**, click on the icon  ; the pop-up window will be opened and the content can be selected.



Through the visualisation options, it is possible to filter the available content by **Owner**, **Service**, **Area**, **All**, **Shared**.

For a detailed search, you can use the **Find** functionality. Content will be filtered from the **Name** and **Description** field, by the text that was entered.

If the content has not been loaded previously in the **Library** , it is possible to charge it now by clicking on **Add**

After selecting the content, click on **OK**.

Attention: When you add a video file in the Library, this will not be immediately available, because it needs to be encoded. The encoding time depends on the file size.

The files will be available after encoding. By clicking on the icon  it is possible to display a preview of the content; by clicking on the icon  you can delete the selected content.

In the same way, if the template has text fields or a link to external resources, they must be inserted in the respective fields.

For text fields, it is possible to insert the text by clicking on the icon . A pop-up will be opened where you can insert the text. By clicking on the icon , the text will be deleted.

Fields

Stars_Number
Stars



HOTEL_NAME
Hotel name



Picture_Hotel
Background picture



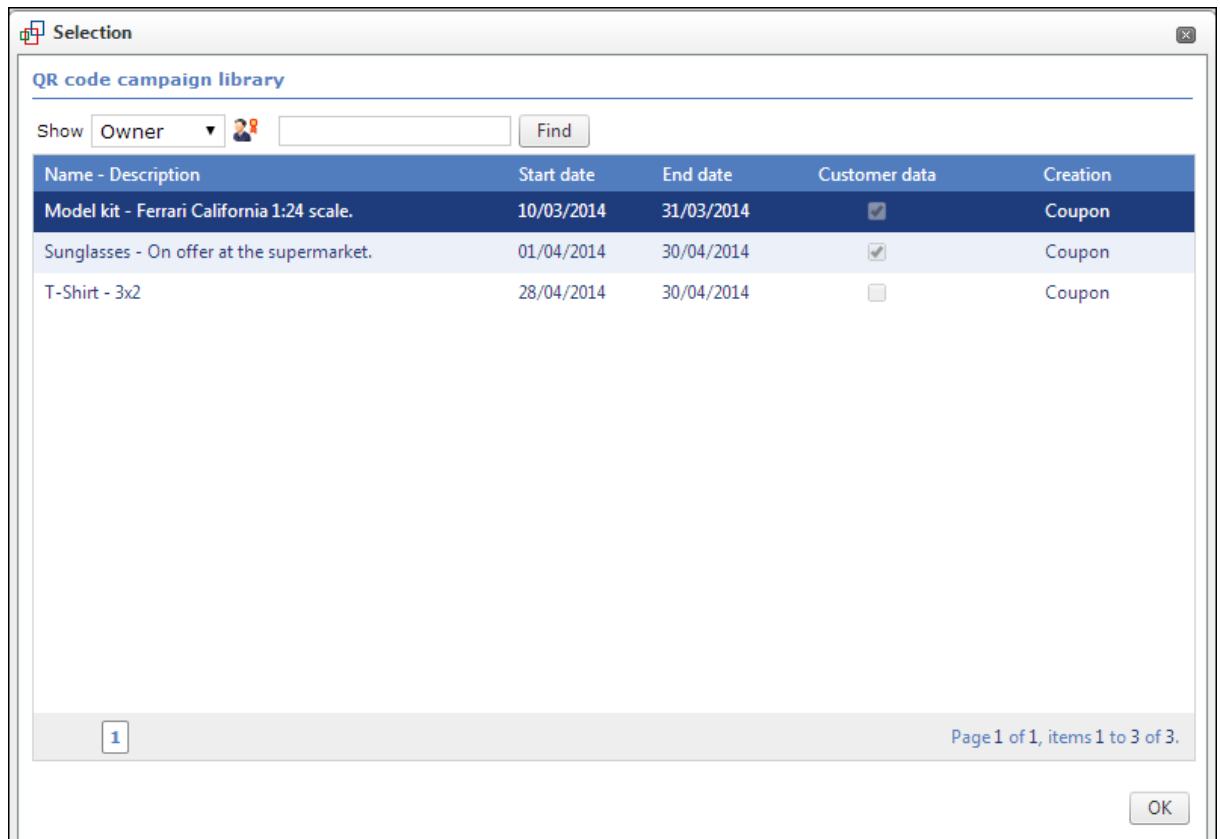
External resources

XML:

QR code

It is possible to overlay a QR Code to a clip. The QR Code can be created in the QR Code section in the Proximity Marketing menu.

To associate a QR Code, click on the icon; a pop-up window will be opened and the QR code can be selected.



Through the visualisation options, it is possible to filter the available content by **Owner**, **Service**, **Area**, **All**, **Shared**.

For a detailed search, you can use the Find functionality. Content will be filtered from the Name and Description field, by the text that was entered.

After the selection, click the OK button. By clicking the icon removes the association of the QRCode added.

You can also customize the display properties of the QRCode, choosing the location, the colors of foreground and background, the size of the QRCode and its margin.



The following buttons are available in the toolbar:

1. **New**: clears all fields and prepares for a new record creation.
2. **Save**: this button is enabled only if there is unsaved data.
3. **Publish**: if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete**: upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back**: this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
6. **Back**: back to the index page without saving changes.
7. **Scroll to first (<<) and to last record (>>)**
8. **Scroll to previous record (<) or next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of

records (**record no./record total**).

In-context tasks

One task is available:

- **Publishing preview**

Used to simulate the clip execution on a player for a final check before publishing.

4.3 Audio clip

Audio clips are MP3 files loaded into the platform. Audio clips are the building block of the audio schedule and are performed sequentially from by the player.

Name	Description	Limit	Dim.(MB)
Dave	Audio background.	210076	3.1963
Advertising	Promo.	349	8.0284
Music		65	0.9859

It is possible to create, retrieve, update and delete a clip.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Category: Is a drop down list containing the list of all clip categories and the option *All*. You can use it to filter the list showing all records (*All*) or all records belonging to a specific category.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown

5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are granted by the record owner.

The **Preview** in-context task can be used to listen the clip before publishing.

Clip details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is required and it's used to identify a clip within a schedule.

The **Customer** list box is used to associate a clip with a customer. It is used to generate customer specific reports.

The **Category** list box is used to associate a clip with its category.

The **Notes or description** field is optional.

The screenshot shows a software interface for managing audio clips. The top toolbar contains buttons for New, Save, Publish, Delete, Save and back, Back, Preview, Properties, Assign, Share, and Help. Below the toolbar, a status bar indicates 'Authorization: All - Category: All - Search filter: none'. The main content area is titled 'Audio clip' and displays the following fields:

- Name*:** Dave
- Customer:** Music World
- Category:** Entertainment
- Notes or description:** Audio background.

At the bottom, there is a section for the MP3 file, showing a play button icon and the filename 'Dave.mp3 (3273.0 KByte)'.

File selection

To load a content available in the **Library** (only MP3 files), click on the icon ; the pop-up window will be opened and the content can be selected.

Through the visualisation options, it is possible to filter the available content by **Owner**, **Service**, **Area**, **All**, **Shared**.

For a detailed search, you can use the **Find** functionality. Content will be filtered from the **Name** and **Description** field, by the text that was entered.

If the content has not been loaded previously in the **Library**, it is possible to charge it now by clicking on **Add**. After selecting the content, click on **OK**.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Publish:** if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.

6. **Back**: back to the index page without saving changes.
7. **Scroll to first (<<)** and **to last record (>>)**
8. **Scroll to previous record (<)** or **next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

4.4 Coupon

Attraverso la piattaforma software è possibile distribuire buoni acquisto (coupon) a quelle persone che, potenzialmente interessate, si trovano fisicamente vicine al punto vendita o al messaggio pubblicitario.

The screenshot shows the 'Coupons' management interface. On the left is a sidebar with a 'Content' icon and a list of media types: Media library, Video clip, Audio clip, Coupons (selected), and QR Codes. The main panel has a top toolbar with 'New', 'Edit', and 'Delete' buttons, and a 'Properties' section with 'Assign' and 'Share' options. Below this is a search bar and filter dropdowns for 'Show' (set to 'Owner') and 'Type' (set to 'All'). The title 'Coupons' is displayed, along with the owner 'Matthew Smith/Marketing/Sales Department'. A table lists the coupons:

Name	Description	Type
Milk coupon	Special price.	Percentuale
T-shirt coupon		Ammontare fisso
Sunglasses coupon		Ammontare fisso

At the bottom of the table, there are filters for 'all' and '[0-9]' followed by letters 'a' through 'z'. A pagination bar at the very bottom shows '1' and 'Page 1 of 1, items 1 to 3 of 3'.

Regarding the management of the records:

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page.

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change,

deletion and in-context task availability are granted by the record owner.

Coupon detail

The Coupon detail page contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the *toolbar*, below the buttons New/Save/Publish.

The **Name** field is required, as all of the fields marked with an * (asterisk). The **Description** field is optional.

The screenshot shows the 'Coupons' detail page. At the top is a blue toolbar with icons for New, Save, Publish, Delete, Save and back, Back, Properties, Assign, Share, and Help. Below the toolbar, a status bar shows 'Authorization: Owner - Search filter: none' and navigation buttons. The main header is 'Coupons' with the user 'Matthew Smith | Marketing | Sales Department'. The form contains two fields: 'Name*' with the value 'Milk coupon' and 'Description' with a text area containing placeholder text.

The Coupon configuration section contains several fields: **Company**, **Value** (and **Type**), **Text**, **Terms of use**.

The screenshot shows the 'Configuration' section of the coupon form. It includes fields for 'Organization*' (MyCompany), 'Type' (Ammontare fisso), 'Value*' (€ 1), 'Text*' (Milk offer), 'Terms and conditions*' (text area with placeholder text), and 'Barcode' (QRCode). A hint for the Value field shows 'E.g.: "€ 25", "10,00 €"'. The Barcode field is a drop-down menu.

The *bar code* type can be selected using the drop-down list.



The coupon Layout can be defined choosing a logo and an image from the Media Library (via ) . The background and foreground (i.e. text) colours can also be personalised.

Display layout

Logo*:    logo_300x300 (27.3 KByte)

Image:    (max. 640x220 pixels)

Background:  Foreground: 

The following buttons are available in the toolbar:

1. **New**: clears all fields and prepares for a new record creation.
2. **Save**: this button is enabled only if there is unsaved data.
3. **Delete**: upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back**: this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back**: back to the index page without saving changes.
6. **Scroll to first (<<)** and **to last record (>>)**
7. **Scroll to previous record (<)** or **next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

4.5 QR codes

Within proximity marketing it is possible to deliver commercial information about a product or service near to the point of sale or near to the commercial itself, by creating a link between a clip and a QR code. It is possible to create, retrieve, update and delete a QR code all from within Web Signage.

The screenshot shows the 'Content' application interface. On the left is a sidebar with a 'Content' header and a list of media types: Media library, Video clip, Audio clip, Coupons, and QR Codes. The main area displays a table titled 'QR Codes' with columns: Name, Description, Start date, and End date. The table contains three records: 'Milk QRCode' (Code to get discount on milk, 4/25/2014 to 5/1/2014), 'MyQRCode' (Best products offer, 4/1/2014 to 4/30/2014), and 'Model' (1:48 model kit, 1/8/2014 to 1/22/2014). Above the table is a toolbar with buttons for New, Edit, Delete, Export, Clip, Reapply, Properties, Assign, Share, Help, and Export into Excel. A search bar and a 'Show' dropdown are also present. The bottom of the interface shows a pagination bar with 'all', '[0-9]', and letters 'a' through 'z', and a page indicator 'Page 1 of 1, items 1 to 3 of 3'.

1. To **create** a new QR Code, click on the **New** button and fill the detail page shown.
 2. To **update** an existing QR Code, select the desired record from the list and click on the **Edit** button.
An editable detail page is shown.
 3. To **delete** a QR Code, select the desired record from the list and click on the **Delete** button.
- Warning:** you can only delete QR Codes that are not linked to any Clip.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the show combo box change according to the privileges grant by the user roles. The shared option is always visible, the available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

QRCode detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the *toolbar*, below the buttons New/Save/Delete.

The **Name** field is mandatory, as well as all fields marked with an * (asterisk). The **Description** field is optional.

 New	 Save	 Publish	 Delete	 Save and back	 Back	 Export	 Clip	 Reapply	 Properties	 Assign	 Share	 Help
---	--	---	--	---	--	--	---	---	--	--	---	--

Authorization: All - Search filter: none 1/3

QR Codes John Doe\Graphic development\Graphic

Name*:

Description:

Validity

Start date:  End date: 

Max. number of usage: (0 for unlimited number of usages)

Number of usage: 0

As regards the QR Code *Validity*, there are the following fields:

- **Start date** and **end date**: it is possible to set a date range of validity of the QR code. If the fields are left empty, the QR code will have no expiry date.
- **Maximum number of usage**: it is possible to set the maximum number of usage. By leaving the value 0, the usage is unlimited. The field "number of usage" will show how many times the QR Code has been used.

It is possible to get an email notification every time a QR code has been used. Those data can be received in XML format as attached file by selecting "Attach XML file" (only if the email field is specified).

Notification

Notification via Email to:

☐ Attach XML file

☐ Write on database

If you want to require the customer to provide some information you have two options: (1) select "**Loyalty**" to retrieve data automatically through a loyalty campaign, or (2) select "**Manual entry**" to let the customer provide the fields that you have selected.

The *Preview* section allows to include some text (this is mandatory if you have decided to require data from the customer) and to choose an image (just click on ).

Required data from the customer

☒ Required data from the customer

☐ Fidelity ☒ Manual entry

Please select which data the customer must provide

☐ Name

☐ Surname

☒ Email

☐ Phone

Preview

Text:

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua

Image:

As regards the user experience on the mobile device, you can select 2 options:

1. **Coupon:** first choose a coupon from those previously created (in the Coupon section). You can then configure the coupon with the following options:

Generate Coupon/URL

☒ Coupon
 ☐ URL

Coupon

Milk coupon ▼

☒ Coupon ID

☒ Fix code

☒ Random code

☒ Alphanumeric code
 ☐ Numeric code
 Number of symbols:

☒ Incremental code

Code preview: mk-2-AAA-10

☐ Show coupon code

☐ Show bar code

☐ Send PDF via email (customer email mandatory)

- **ID QR Code:** the ID of the QR code will be inserted in the coupon code.
- **Fix code:** in the text field you can insert a fix part for the generated code.
- **Random Code:** the coupon code will contain random alphanumeric values.
- **Incremental code:** the coupon code value will end with an incremental value, equivalent to the number of coupons issued.
- **Show coupon code:** the coupon code will be shown on the customer mobile device.
- **Show bar code:** the bar code will be shown on the customer mobile device.
- **Send PDF via email:** the coupon will be sent as a PDF file to the email address indicated by the customer.

There is an additional option, that let the customer share the coupon on the social networks: Facebook, Twitter and Google+

The **URL** to be shared is a required field. As optional fields there are **Description** for Facebook and **Text** and **Hashtags** for Twitter.

Sharing on Social Networks

☒ Share on Facebook

URL*: Description:

☒ Share on Twitter

URL*:

Text:

Hashtags: (separate tags with a comma)

☒ Share on Google+

URL*:

2. **URL:** you can either *visualize* the URL or be *redirected* to the URL, just insert the URL and choose one of the two options.

Generate Coupon/URL

☐ Coupon ☒ URL

URL*:

☒ Show URL on display ☐ Immediate redirect

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:** back to the index page without saving changes.
6. **Scroll to first (<<) and to last record (>>)**
7. **Scroll to previous record (<) or next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

In context tasks

For this type of record, following in context tasks are available:

- **Export:** a pop-up window that allows to create a QR code will be opened. The code can be saved in PNG format and be used on external sources (e.g. posters, flyers, magazines, etc)

External sources

External sources

Campaign name:

Model kit

Start date:

10/03/2014

End date:

31/03/2014

Limited number of usage:

No

Required data from the customer:

Yes

Coupon/URL generation:

Coupon



Configuration

External source:

Volantino

Create QR code

Save image

Size in pixels:

300

Background:



Foreground:



- **Clip:** click here to know which clips are currently connected with the QR Code.
- **Reapply:** when a QR Code is modified, changes are note automatically applied to the clips*.

* You need to re-apply the QR Code to the clips that are already connected it.

5 Groups

5.1 Geographic area

The web application allows to include dynamic clips into the schedules. Dynamic clips are shown only when some user-defined conditions are verified. One of these conditions is the player position with respect to an existing geographical area. A geographical area is defined by its center (with latitude and longitude) and radius.

The screenshot shows the Groups application interface. On the left is a sidebar with icons for Groups, Video, Audio, Segments, and Customers. The main area displays a list of records under the heading 'Geographic area'. The list has columns for Name, Location name, and Radius. Two records are shown: one for NY (Cardinal Stepinac Pl, New York, NY 10018) and one for Chicago (Ramp, Villa Park, IL 60181). The interface includes a top toolbar with buttons for New, Edit, Delete, Properties, Assign, and Share, along with a search bar and a 'Full text search' button. A 'Show' dropdown menu is set to 'Owner'. The bottom of the list shows pagination: 'Page 1 of 1, items 1 to 2 of 2'.

Name	Location name	Radius
NY	Cardinal Stepinac Pl, New York, NY 10018	km 32.04
Chicago	Ramp, Villa Park, IL 60181	km 26.70

Regarding the management of the records:

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page.

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Geographical area detail

The detail page contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the *toolbar*, below the buttons New/Save/Publish.

The **Name** field is required, as all of the fields marked with an * (asterisk). The **Description** field is optional.

+

New

Save

Save

Publish

Publish

Delete

Delete

Save and back

Save and back

Back

Back

Properties

Properties

Assign

Assign

Share

Share

Help

Help

Authorization: Owner - Search filter: none

<< < > >>

 2/2

Geographic area

Matthew Smith/Marketing/Sales Department

Name*:

Information

Latitude: **40° 45' 33" North**
 Longitude: **74° 0' 9" West**
 Radius: **Km 32.04**
 Location: **Cardinal Stepinac Pl, New York, NY 10018**

Find

Description:
 New York area.

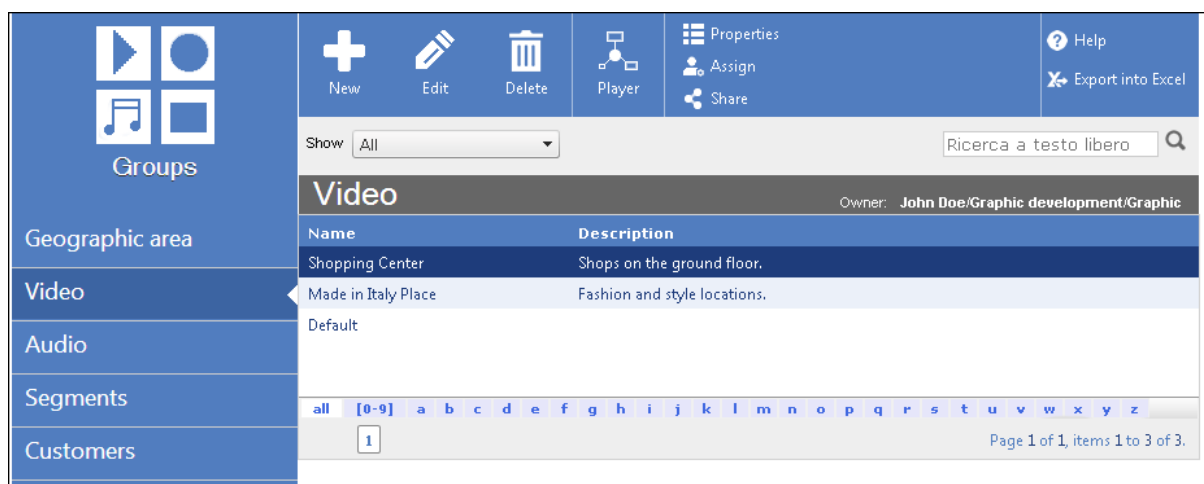
To set the area, select the button  in the top right corner of the map, left click on the map to choose the area center and move the cursor to determine the area radius. Once the center and the radius are set, left click with the mouse to confirm the choice. Finally click **Save**. The radius value (in km) is shown on the right side of the map, under the "Information" menu.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:** back to the index page without saving changes.
6. **Scroll to first (<<) and to last record (>>)**
7. **Scroll to previous record (<) or next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

5.2 Video

Groups are sets of players used to simplify the scheduling processes for involving sets of players sharing a common characteristic.



It is possible to create, retrieve, update and delete a group. Moreover, using the in-context tasks it is possible to display the lists of all **players** belonging to the selected group.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Note: If a player is associated to the selected group the deletion is not possible. You have to remove all relationships first.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Group details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll

buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is required, as well as all fields marked with an * (asterisk).

The **Notes or description** field is optional.

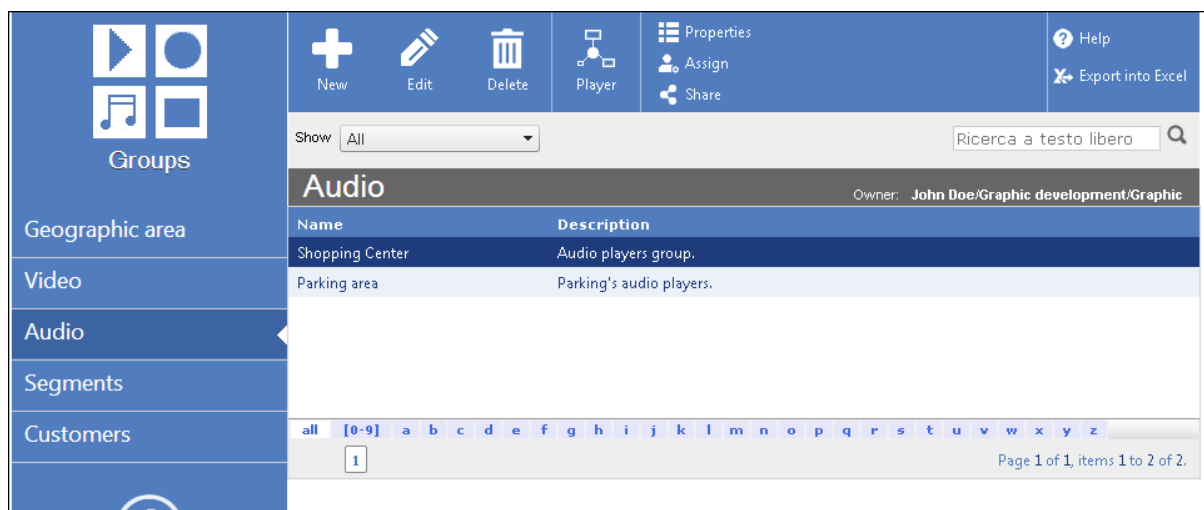
The screenshot displays the 'Groups' form within the Web Signage application. The interface features a blue toolbar at the top with icons for New, Save, Publish, Delete, Save and back, Back, Player, Properties, Assign, Share, and Help. Below the toolbar, a status bar shows 'Authorization: All - Search filter: none' and navigation buttons (first, previous, next, last) along with the record count '2/3'. The main form area is titled 'Groups' and includes a text input for 'Name*' containing 'Shopping Center' and a larger text area for 'Notes or description' containing 'Shops on the ground floor.' The user's name 'John Doe\Graphic development\Graphic' is visible in the top right corner of the form area.

The following buttons are available in the toolbar:

1. **New**: clears all fields and prepares for a new record creation.
2. **Save**: this button is enabled only if there is unsaved data.
3. **Delete**: upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back**: this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back**: back to the index page without saving changes.
6. **Scroll to first (<<)** and **to last record (>>)**
7. **Scroll to previous record (<)** or **next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

5.3 Audio

Groups are sets of [players](#) used to simplify the [scheduling](#) processes for involving sets of players sharing a common characteristic.



It is possible to create, retrieve, update and delete a group. Moreover, using the in-context tasks it is possible to display the lists of all **players** belonging to the selected group.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Note: If a player is associated to the selected group the deletion is not possible. You have to remove all relationships first.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Group details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is required, as well as all fields marked with an * (asterisk).

The **Notes or description** field is optional.

The screenshot displays the 'Groups' form in the Web Signage application. At the top is a blue toolbar with icons for New, Save, Publish, Delete, Save and back, Back, Player, Properties, Assign, Share, and Help. Below the toolbar, a status bar shows 'Authorization: All - Search filter: none' and navigation buttons (first, previous, next, last) along with '1/2'. The main form area has a header 'Groups' and a user identifier 'John Doe\Graphic development\Graphic'. The form contains two fields: 'Name*' with the value 'Shopping Center' and 'Notes or description:' with the value 'Audio players group.'.

The following buttons are available in the toolbar:

1. **New**: clears all fields and prepares for a new record creation.
2. **Save**: this button is enabled only if there is unsaved data.
3. **Delete**: upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back**: this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back**: back to the index page without saving changes.
6. **Scroll to first (<<)** and **to last record (>>)**
7. **Scroll to previous record (<)** or **next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

5.4 Customers

The customers data base is used to relate a clip with the customer that requested it. This relationship is used to produce reports for billing purposes.

The screenshot shows the 'Groups' application interface. On the left is a navigation pane with icons for Groups, Geographic area, Video, Audio, Segments, and Customers. The main area displays a list of customers. At the top, there are buttons for New, Edit, and Delete, along with Properties, Assign, and Share. A search bar is present with the text 'Ricerca a testo libero'. The list has columns for Corporate name, Phone, and E-mail. The owner is listed as John Doe/Graphic development/Graphic.

Corporate name	Phone	E-mail
Shopping Center	0123456	info@mycompany.com
Stop&Shop	0987123	sales@stopandshop.com
MD Fast Food	987654	demo@fastfood.com
Default		

At the bottom, there are filters for 'all' and '[0-9]' and an alphabetical index from 'a' to 'z'. A pagination bar shows 'Page 1 of 1, items 1 to 4 of 4'.

It is possible to create, retrieve, update and delete a customer.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Note: If a clip is associated to the selected customer the deletion is not possible. You have to remove all relationships first.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles.

The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Customer details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Corporate name** field is required, as well as all fields marked with an * (asterisk).

The screenshot displays the 'Customers' form in the Web Signage application. The form is organized into two main sections: a top section for general customer information and a bottom section for address and notes. The top section includes fields for Name, Surname, Corp. Name* (with an asterisk indicating it is required), Position, Office phone, Fax, Other phone, VAT number, Web site, and E-mail. The bottom section, titled 'Address', includes fields for Street, City, ZIP, Country, and State/province, followed by a large text area for 'Notes or description'. The form is part of a larger application interface with a toolbar at the top containing buttons for New, Save, Publish, Delete, Save and back, Back, Properties, Assign, Share, and Help. The status bar at the bottom indicates 'Authorization: All - Search filter: none' and '2/4' records.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:** back to the index page without saving changes.
6. **Scroll to first (<<) and to last record (>>)**
7. **Scroll to previous record (<) or next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

6 Proximity

6.1 Video player

The players are remote devices, connected to a monitor/TV screen or with an integrated display, playing content (clips) produced, managed and broadcast through the Web Signage platform. Every player belongs to a group, a logic set of player. It is possible to register, display and change the player settings using the platform. The player configuration must be done **after** the its registration on the Web Signage platform.

The screenshot shows the Proximity application interface. On the left is a sidebar with a 'Proximity' logo and a list of items: 'Video player' (selected) and 'Audio player'. The main area displays a table of 'Video player' records. The table has columns for Name, Description, and Group. The records are: Central Shop, Parking, Stop&shop, Demo Player, Hall, and MD fast food. The 'Demo Player' record is highlighted. Above the table are filters for 'Show' (All) and 'Group' (All), and a search bar. The bottom of the interface shows pagination: 'Page 1 of 1, items 1 to 6 of 6'.

Name	Description	Group
Central Shop	Player shop.	Made in Italy Place
Parking	Parking area.	Shopping Center
Stop&shop		Made in Italy Place
<i>Demo Player</i>		Default
Hall	Main entrance.	Shopping Center
MD fast food		Shopping Center

It is possible to create, retrieve, update and delete a player.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Group: Is a drop down list containing the list of all groups and the option *All*. You can use it to filter the list showing all records (*All*) or all records belonging to a specific group.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Note: A player with the name shown in italics indicates that its configuration has been changed and not published yet.

Player details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will

be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is required. The **Group** list box is used to set the group the player belongs to. In order to create a player at least one group is required.

The **Refresh** list box is used to set the refresh interval used by the player while checking for schedule or content changes. The update interval spans from 5 minutes to 24 hours.

The **Volume** list box is used to set the audio volume of the clip soundtrack. The volume spans from 0% (disabled) to 100% (the clip's design volume).

Player registration

The **Serial no*** field is used to enable the player with the auto-generated code bound to hardware where it is run. The serial code must be copied from the player configuration window and pasted here. To complete the player registration you need to save and publish the settings of the player.

As a simpler alternative, start the Player registration wizard on the player machine and let it do all work (it even creates the player group if needed).

Location

Among the fields that describe the player, there is the possibility to define its geographical location. The location is found using an interactive map where you can search by city and address, or simply clicking with the mouse on the map.

Define the location of the player is useful when a player has features that will depend on its geographical context, such as weather and local news or when a geo-marketing criteria is applied to the content distribution logic.

The **Notes or description** field is optional.

Display layout

It is possible to configure for each player the presence of fixed information elements, not related to the the area (Stage) used to execute the scheduled content. These elements are called respectively and Ticker Widget. The ticker is associated with a standard RSS feed, from which reads and displays the title fields in sequence using one of several graphic effects available (slide, pop, etc).

A widget is a dynamic flash application which can display, for example, the current time, information on weather forecasts, a queueing system, etc.

Several predefined widgets are available and it is possible to develop and upload custom tickers and widgets linked to external data sources for dynamic information display. In addition to these items, it is possible to define for each layout a background image or texture, and set various display and object positioning properties.

Display layout *Info point.*

Selection:

A layout is associated to a player selecting it from the drop down list. The None option will remove the widget and the ticker leaving the stage at full screen. After selecting the layout, confirm your choice clicking on **Apply**. Changes will be final after saving the player and publishing the player.

A layout preview is shown by pressing the **Preview** button. A window with the preview of the selected layout is open with real size and proportions. If the size of the selected layout exceeds the size of the current screen, the preview will be scaled proportionally.

A player layout can be:

1. **Updated:** the saved layout is the same of that applied to the player.
2. **Changed:** the saved layout (or one of its objects) has been changed and is different from that applied to the player. In this case the option is shown in light blue and its state is indicated by an icon and a description.
3. **Deleted:** the layout applied to the player is no longer available. It will be used by the player until a new layout will be selected and the old layout will be discarded. The option is shown in red along with an icon and a description.

Screensaver

A screensaver clip is used when the player schedule is empty and when the player is waiting for content download. It is possible to show the screen saver clip periodically (eg. as a network ad) setting the clip length and its frequency. The default screensaver shows the Web Signage logo. It is possible to change it for an existing clip, avoiding clips using those based on the HTML or WEB templates and clip using on line content and thus requiring an active connection to be played correctly. The screen saver execution will not be saved in the playlog.

Screensaver

Durata (sec.) Ogni (clip)

The **Operative status** indicates the time of the last player connection.

If the **Remote connection** option is selected, the user can access to the player remotely.

During the remote player configuration some hardware information are collected and some configurations are set. When available, the information is displayed in the properties section, such as Resolution (width x height in pixels) and screen Orientation.

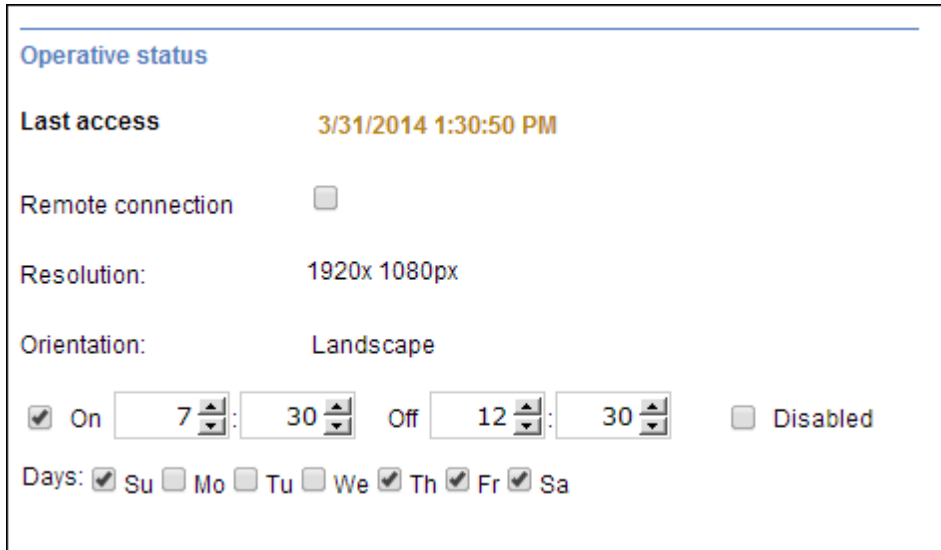
It is also possible to enable automatic power management and to program the power on/off times.

Clicking on the **On** check box the player will be turned on at the specified time (7:00 in the example) and turned off at the time specified beside the Off label (21:30 in the example). The **Days** check boxes are

used to set the days of the week when to enable the automatic power management (all days in the example).

It is important to note that the settings will be applied only after the next player synch.

The **Disabled** check box is used to make the player not operative without deleting it. A disabled player will stop the schedule execution and start to show the screensaver.



Operative status

Last access 3/31/2014 1:30:50 PM

Remote connection ☐

Resolution: 1920x 1080px

Orientation: Landscape

☒ On 7:30 Off 12:30 ☐ Disabled

Days: ☒ Su ☐ Mo ☐ Tu ☐ We ☒ Th ☒ Fr ☒ Sa

For your convenience the player sends to the platform its current screen **resolution** and **orientation**. This information is shown in the properties panel.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Publish:** if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
6. **Back:** back to the index page without saving changes.
7. **Scroll to first (<<)** and **to last record (>>)**
8. **Scroll to previous record (<)** or **next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

In context task

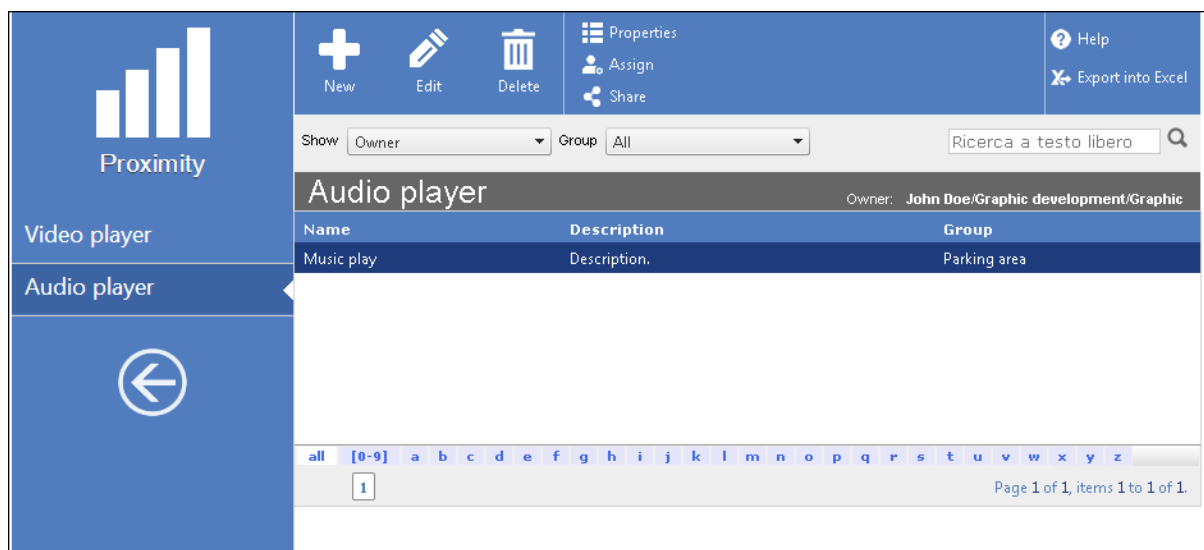
For this type of records, following in context tasks are available:

- **Current state:** opens a pop-up window where you can check the status of the player

6.2 Audio player

The players are remote devices, connected to a monitor/TV screen or with an integrated display, playing audio/video [content](#) (clips) and an independent [audio](#) soundtrack. A player can be used to play audio only (eg. in-store radios). In the case of mixed use priority will be given to the audio schedule and the audio soundtrack of the video clips will be muted. Every player belongs to a [group](#), a logic set of player. It

is possible to register, display and change the player settings using the platform. The player configuration must be done **after** the its registration on the Web Signage platform.



It is possible to create, retrieve, update and delete a player.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Group: Is a drop down list containing the list of all groups and the option *All*. You can use it to filter the list showing all records (*All*) or all records belonging to a specific group.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Meaning of the icons shown in the player list

As well as in the start page, there are four icons used to display the player status:

Indicates that the player is active, meaning that a connection has been established with the platform within the update interval set in the detail page.

Indicates that the player is not connected, meaning that a connection has not been established with the

platform within the update interval set in the detail page.

Indicates that the player is not activated yet or that has been disabled.

Indicates that the player is on stand-by as programmed.

Note: A player with the name shown in *italics* indicates that its configuration has been changed and not published yet.

Player details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is required and is used to identify the Bluetooth sender during a connection with a mobile device (Windows XP only).

The **Notes or description** field is optional..

The **Group** list box is used to set the group the player belongs to. In order to create a player at least one group is required.

The **Refresh** list box is used to set the refresh interval used by the player while checking for schedule or content changes. The update interval spans from 5 minutes to 24 hours.

The **Volume** list box is used to set the audio volume of the clip soundtrack. The volume spans from 0% (disabled) to 100% (the clip's design volume).

The screenshot shows the 'Audio player' configuration page. The top toolbar contains icons for New, Save, Publish, Delete, Save and back, Back, Properties, Assign, Share, and Help. Below the toolbar, the page header shows 'Authorization: Owner - Group: All - Search filter: none' and navigation buttons. The main form area is titled 'Audio player' and includes the following fields:

- Name*:** Music play
- Group*:** Parking area
- Refresh:** 5 min.
- Volume:** 65 %
- Serial no*:** 1234567890
- Notes or description:** Description.
- ☐ Disabled
- Last notification:** N.A.

The user profile 'John Doe/Graphic development/Graphic' is displayed in the top right corner of the form area.

The following buttons are available in the toolbar:

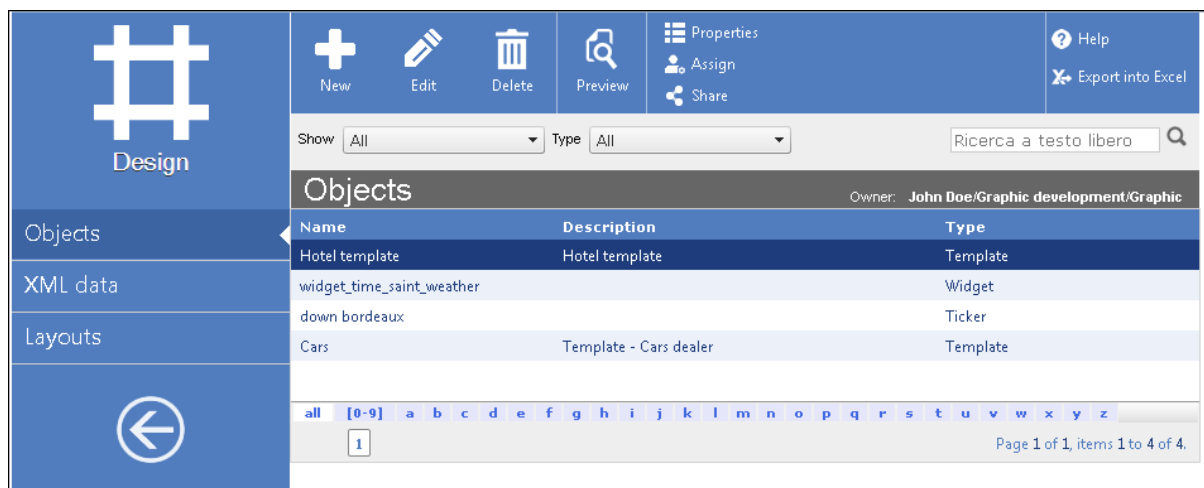
1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Publish:** if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
6. **Back:** back to the index page without saving changes.
7. **Scroll to first (<<) and to last record (>>)**
8. **Scroll to previous record (<) or next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

7 Design

The Layout management allows to set and customize the layout of the player's screen defining presence and placement of widgets and tickers, backgrounds and the access to external data sources used to display dynamic content.

7.1 Objects

Objects are graphic elements used to build a layout or to create clips.



It is possible to create, retrieve, update and delete an object. Moreover, using the in-context tasks it is possible to display an object **Preview**.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Note: If a player is associated to the selected group the deletion is not possible. You have to remove all relationships first.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Type: Is a drop down list containing the list of all object types and the option *All*. You can use it to filter the list showing all records (*All*) or all records belonging to a specific type.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.

2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are granted by the record owner.

Object details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is required, as well as all fields marked with an * (asterisk).

The **Notes or description** is optional.

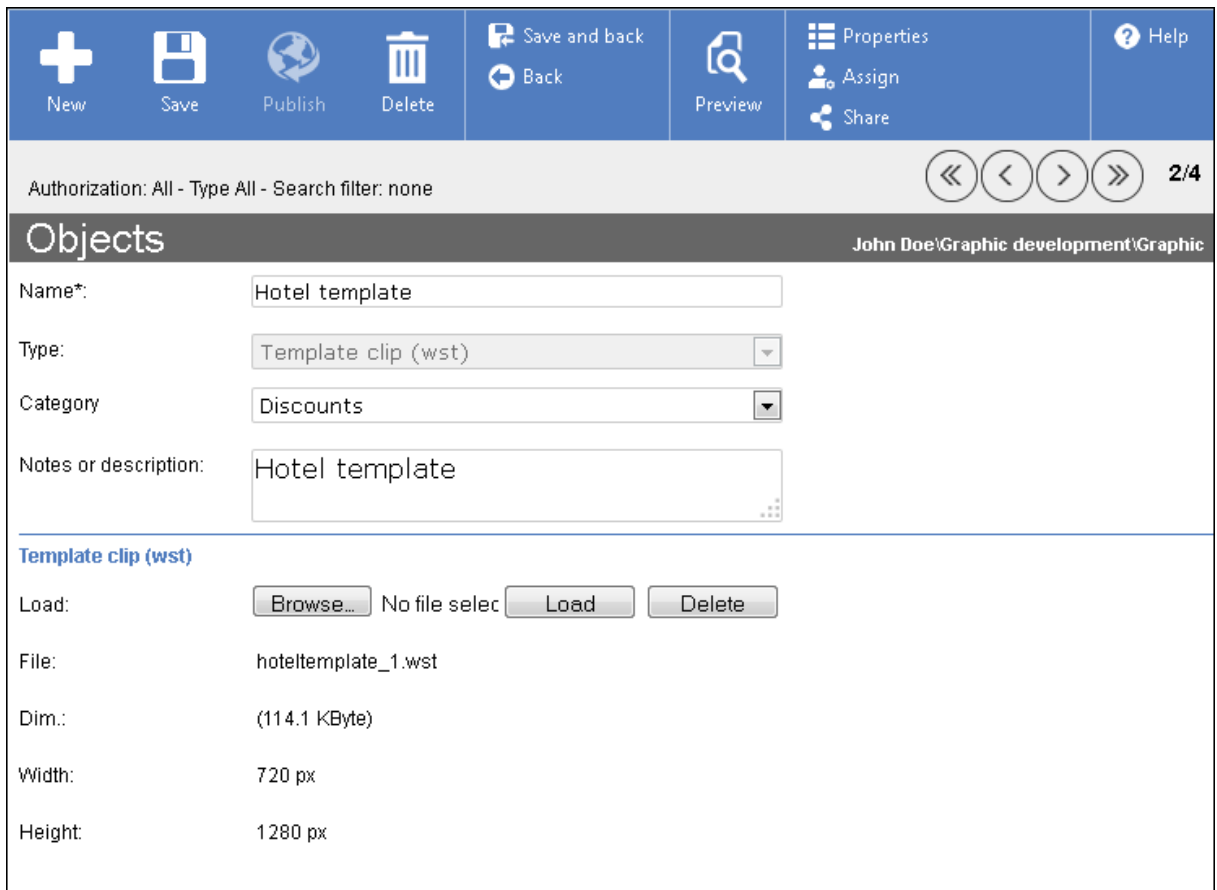
The **Type** list box defines the object type. The object type can be selected on creation only.

The following options are available:

- **WST Template:** templates used to create a clip with texts, videos, images or information from external data sources.
- **Ticker:** Flash object placed on top or at the bottom of the stage, showing animated text from RSS feeds, texts, images or information from external data sources.
- **Widget:** Flash object placed at the side of the stage, showing texts, images or information from external data sources or custom applications like queuing systems.
- **Background:** image shown below all other objects

The following file types are allowed:

Ticker	Widget	Background	Template
.swf	.swf	.jpg	.wst
		.gif	
		.png	
		.bmp	



Authorization: All - Type All - Search filter: none

2/4

Objects

John Doe\Graphic development\Graphic

Name*:

Type:

Category:

Notes or description:

Template clip (wst)

Load: No file selected

File:

Dim.:

Width:

Height:

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:** back to the index page without saving changes.
6. **Scroll to first (<<) and to last record (>>)**
7. **Scroll to previous record (<) or next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

In-context actions

For this kind of records, the following in-context actions are available:

- **Preview:** click here to open a window with the preview of the selected object.

7.2 XML data

XML data is information containing texts, images and links used to supply data to layout objects (eg. Widgets or tickers) with dynamic contents.

The screenshot shows the 'XML data' section of the Web Signage interface. On the left is a sidebar with 'Design', 'Objects', 'XML data' (selected), and 'Layouts'. The top navigation bar includes 'New', 'Edit', 'Delete', 'Dataset', 'XML', 'Properties', 'Assign', 'Share', 'Help', and 'Export into Excel'. Below the navigation bar, there are filters for 'Show' (All) and 'Container' (All), along with a search bar 'Ricerca a testo libero'. The main content area displays a table of XML data with columns: Title, Description, Publish from, and to. The table lists three items: 'Hot dog' (Md offers, 01/03/2014 to 31/03/2014), 'Vegetables' (Week's offers, 20/01/2013 to 31/01/2013), and 'Hamburger' (MD offers, None to None). At the bottom, there is a pagination bar showing 'Page 1 of 1, items 1 to 3 of 3'.

Title	Description	Publish from	to
Hot dog	Md offers	01/03/2014	31/03/2014
Vegetables	Week's offers	20/01/2013	31/01/2013
Hamburger	MD offers	None	None

It is possible to create, retrieve, update and delete any object. Moreover, using the in-context tasks it is possible to access the following general functions:

- Display and manage **Dataset** or Data containers;
- Show the URL associated to the object through the **XML generator**.

Dataset

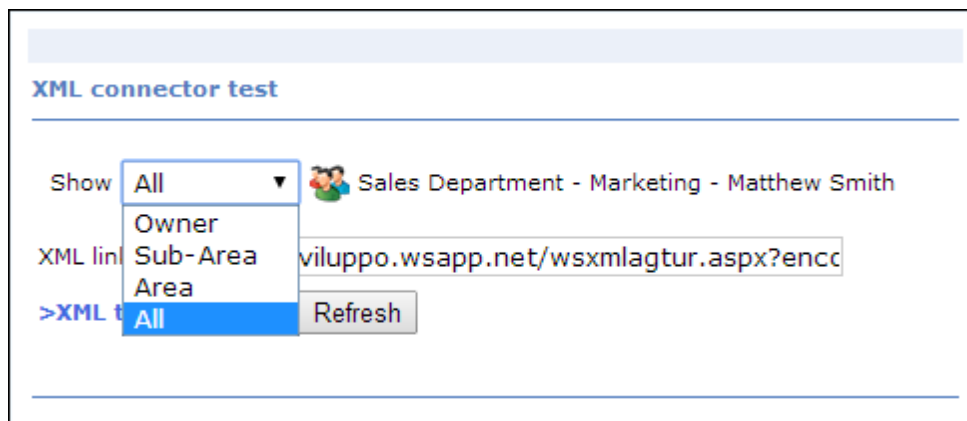
If available to the current user's role, the in-context tasks area will show the **Containers** function. The function allows to add, edit and remove the categories that are used to classify the records.

The screenshot shows the 'Containers' dialog box. It has a title bar with a close button. Inside, there is a section titled 'Containers'. Below this, there is a 'Show' dropdown set to 'Owner' and a user icon with the text 'Sales Department - Marketing - Matthew Smith'. A table with two columns, 'Name' and 'Description', lists one container: 'First' with description 'This is the first container'. To the right of this row are 'Edit' and 'Delete' buttons. Below the table, there are input fields for 'Name' (containing 'Name of container') and 'Description' (containing 'Description'), followed by an 'Add' button.

XML

The XML generator is used to retrieve the URL of the XML data source. It is possible to create an URL for sources filtered by area and container.

The Copy button will copy the URL to the clipboard. It is possible to display the raw XML stream by clicking on the **>XML test** link.



About the record management:

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Container: Is a drop down list containing the list of all data containers and the option *All*. You can use it to filter the list showing all records (*All*) or all records belonging to a specific container.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

XML data details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

For each record it is necessary to select a **Container**.

The **Title** field is also required.

The following fields are optional and their use depends on the object used to display the information:

- Long **description**
- **Image** (in the Media Library)
- **Link** to an external resource

- **Delay** (minimum display time in seconds)
- **Ordering/Ranking**: allows to sort the record inside their container.

The **Published on** and **Expires on** dates are used to control the information availability.

If the **Published on** date is not supplied, the information will be available upon publishing. If the **Expires on** date is not supplied, the information will be always available.

Daily time interval: allows to choose the hour-range when to show the data of the current record. The template has to support this feature.

The screenshot shows a web application interface for managing signage data. At the top is a blue toolbar with icons for New, Save, Publish, Delete, Save and back, Back, Properties, Assign, Share, and Help. Below the toolbar is a status bar showing 'Authorization: All - Container: All - Search filter: none' and navigation buttons with a page indicator '2/3'. The main section is titled 'XML data' and shows the user 'John Doe\Marketing\Area Commerciale'. The form contains the following fields:

- Container: A dropdown menu set to 'Offers'.
- Title*: A text input field containing 'Hot dog'.
- Description: A text input field containing 'Md offers.'.
- Image: A section with search, delete, and upload icons, followed by the text 'object_download_cropping.png (161.5 KByte)'.
- Link: An empty text input field.
- Delay: A text input field containing '5'.
- Order: A text input field containing '0'.
- Published on: A date picker set to '01/03/2014'.
- Expires on: A date picker set to '31/03/2014'.
- Daily interval: A checked checkbox followed by 'From:' and two time range pickers (8-30) and 'To:' and two time range pickers (10-30).

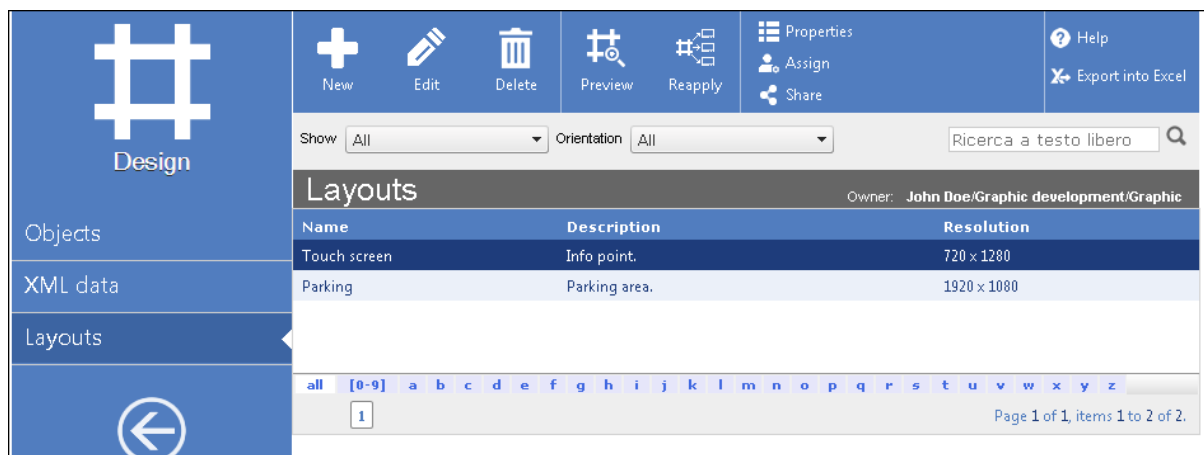
At the bottom of the form, a red message states: '(This function needs a clip supporting current date notification)'.

The following buttons are available in the toolbar:

1. **New**: clears all fields and prepares for a new record creation.
2. **Save**: this button is enabled only if there is unsaved data.
3. **Publish**: if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete**: upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back**: this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
6. **Back**: back to the index page without saving changes.
7. **Scroll to first (<<)** and **to last record (>>)**
8. **Scroll to previous record (<)** or **next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

7.3 Layout

Layout objects and XML data sources are used to create the player layout. Unlimited player layouts, created freely combining the objects, can be stored.



It is possible to create, retrieve, update and delete an object. Moreover, using the in-context tasks it is possible to display an layout **Preview**.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Note: If a player is associated to the selected group the deletion is not possible. You have to remove all relationships first.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Orientation: Is a drop down list containing the list of orientation and the option *All*. You can use it to filter the list showing all records (*All*) or all records belonging to a specific orientation.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Layout details

The detail page for the selected object contains the record fields, the in-context tasks and the scroll

buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is required, as well as all fields marked with an * (asterisk).

The **Format** combo box contains options for all common video formats. Selecting a format, the **Width** and **Height** fields will be set automatically.

Changing the orientation from **Landscape** to **Portrait** will invert the **Width** and **Height** fields.

The **Notes or description** is optional.

Background

The background image is set using the **Image** combo box with options for all backgrounds objects available.

The **Layout options** set how the background image is used:

- **Scale:** Enlarges the image to fill the player screen, altering its proportions if needed.
- **Tile:** Duplicates the original-sized image as often as necessary and prints the images next to another so as they entirely cover the player screen. This option is useful for texture effects.
- **Center:** Displays the image in the middle of the screen, respecting the image's original size and shape.

The background will be visible with transparent tickers and widgets and between objects. The **Border** value is sets the spacing between objects in pixels.

If **None** is selected, it is possible to choose a flat background **Color**.

Ticker

The ticker is selected using the **Select** combo box with options for all ticker objects available. The ticker will be placed at the **top** or **bottom** of the screen according to the **Position** radio button. The **size** is calculated as a percentage of the screen height for the current format. The ticker can be placed **Beside the stage** or **On top of stage**.

The stage is the area of the screen used to display the scheduled content. If the ticker is set to be beside the stage, the latter is resized. If the ticker is set to be on top of stage and **transparent**, the background or the stage will be visible through it.

The ticker supports any standard RSS feed by which reads and displays the *title* fields in sequence. If an external data source is supported, the corresponding URL is set using the **XML** field.

Ticker

Select: Size % (64 px)

Position: ☒ Bottom ☐ Top ☒ Beside the stage ☐ On top of stage

Effects: ☒ Opaque ☐ Transparent ☐ Top most

Feed:

XML:

Widget

The widget is selected using the **Select** combo box with options for all widgets objects available. The widget will be placed at the **top** or **bottom** of the screen (**right** or **left** for landscape screens) according to the **Position** radio button. The **size** is calculated as a percentage of the larger side (height on portrait, width on landscape). The widget can be placed **Beside the stage** or **On top of stage**. The stage is the area of the screen used to display the scheduled content. If the widget is set to be beside the stage, the latter is resized. If the widget is set to be on top of stage and **transparent**, the background or the stage will be visible through it. If an external data source is supported, the corresponding URL is set using the **XML** field.

Widget

Select: Size % (256 px)

Position: ☒ Bottom ☐ Top ☒ Beside the stage ☐ On top of stage

Effects: ☒ Opaque ☐ Transparent ☒ Top most

XML:

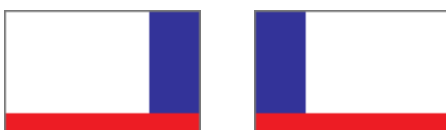
The following buttons are available in the toolbar:

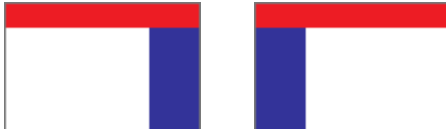
1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:** back to the index page without saving changes.
6. **Scroll to first (<<) and to last record (>>)**
7. **Scroll to previous record (<) or next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

Combinations

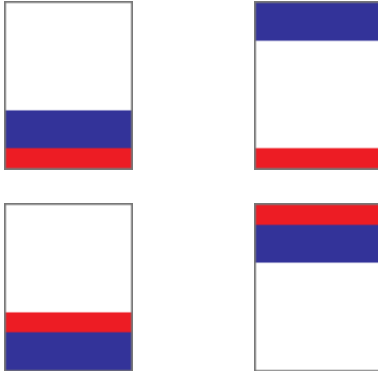
In the following images are shown the possible combinations of settings for ticker (in red) and widgets (in blue) for portrait and landscape screens:

Landscape screen:



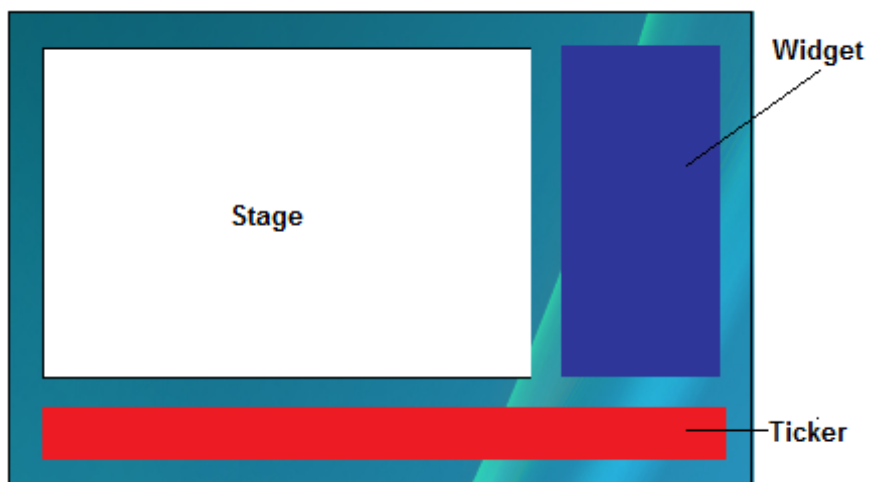


Portrait screen:



The white area (stage) is available for the scheduled clips. The stage resize itself according to the size of ticker and widget if they are set to be beside the stage. The clip visualisation inside the stage also depends on the "Size" parameter in the "General Configuration" tab (when a clip is edited or added to a schedule).

An example of a layout with a background, a border, a ticker and a widget (both opaque and beside the stage) is shown here:



In context task

For this type of records, following in context tasks are available:

- **Preview:** a pop-up window with the layout preview will be opened. The dimensions and proportions are not modified and do not go over the resolution of the display. If the layout should be bigger than the selected display, the preview will be scaled maintaining the proportions and allowing a correct visualisation.
- **Reapply:** opens a pop-up window through which it is possible to apply the modified layout to the players it was associated. The layout modifications will not be immediately broadcasted to the players. To broadcast the modification to the players, click on **Reapply layout to players** (in the in context tasks)

A pop-up window will be opened and you can select the players to which the modified layout will be reapplied.

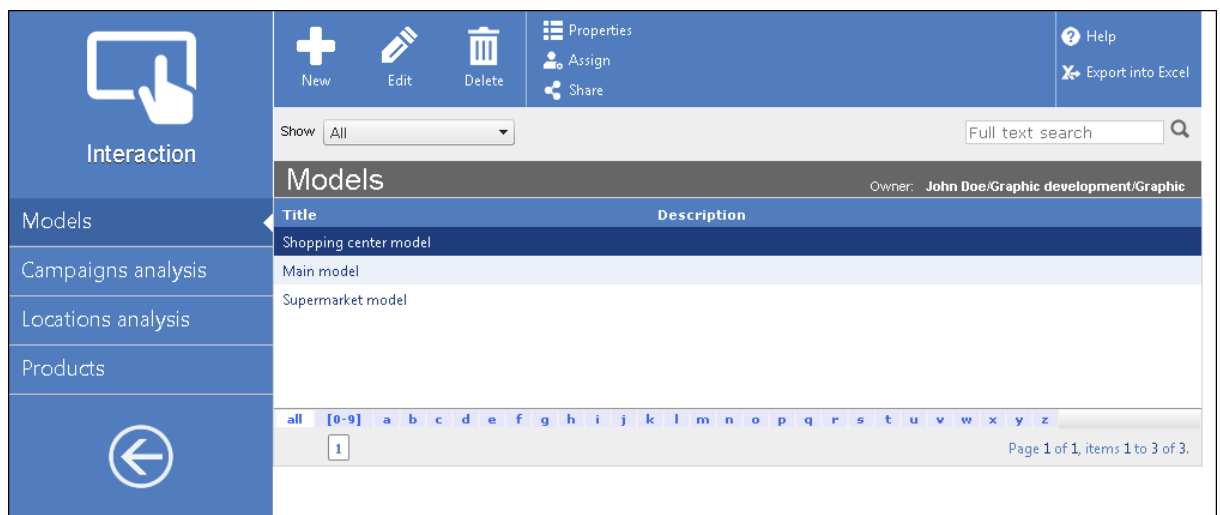
The modification will be applied by clicking on **Save**

8 Interaction

Web Signage is the solution to gather and analyse informations about gender, age and mood of the viewer through a video sensor. The video analysis is absolutely anonymous. No information is correlated to the registered images, fully respecting personal data and privacy of the viewer. All information are grouped by locations and are visualized by the selected timeframe; those informations are accesible through an analysis interface with dozens of ready to go grafics and reports

8.1 Models

With the available models it is possible to customize the visualisation properties of the analysis page for the gathered data



It is possible to create, retrieve, update and delete a model

1. To **create** a new model, click on the **New** button and fill the detail page shown.
2. To **update** an existing model, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a model, select the desired record from the list and click on the **Delete** button.

Note: If a Model is associated to users, the deletion is not possible. You have to remove all relationships first.

Following functions are provided to help you select and search the records:

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if

they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Model detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is mandatory, as well as all fields marked with an * (asterisk).

Regarding the aspect of the page, we have several styles that can be selected from a list. You can also

upload an image from the [Library](#) as homepage logo. The button  shows a preview, while the button



deleted the uploaded image.

New

Save

Publish

Delete

Save and back

Back

Properties

Assign

Share

Help

Authorization: All - Search filter: none

<<

<

>

>>

1/3

Models

John Doe\Graphic development\Graphic

Title*: Shopping center model

Aspect

Style: Default

Logo:   



Visibility

Level: Area

☐ Customer
 ☐ Graphic
 ☐ Marketing
 ☐ Default
 ☐ Headquarter
 ☐ MyCompany
 ☐ Demo

Analysis

Graphs

☐ Avg. item value (picked-up)
 ☐ Facing time/weekday and age category
 ☐ Facing time/weekday and gender
 ☐ Overview facing time)
 ☐ Shopper facing time

Afterwards the visibility level of the analysis model must be selected, by specifying which users, services and areas can access to the analysis model. Areas are at the highest level and contain services; services belong only to a an area and contain users; every user is univocally linked to a service. Therefore a user belongs only to one service and to one area.

For every model, the charts to be visualized can be selected by clicking on the correspondent checkbox. Afterwards it is possible to modify the age range (if you don't want to use the default ones)

Intervals

Age range:

Name: Start interval: End interval:

Name	Start interval	End interval	
Teenager	0	19	
Young adult	20	30	
Middle adult	31	44	
Adult	45	65	
Senior	66	100	

1
Page 1 of 1, items 1 to 5 of 5.

Description:

Before entering a new age range, the default ones that overlap with the new age range must be deleted. Age range must be seamless

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:** back to the index page without saving changes.
6. **Scroll to first (<<) and to last record (>>)**
7. **Scroll to previous record (<) or next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

8.2 Campaigns analysis

In this section you can define the campaign analysis for products

The screenshot shows the 'Interaction' software interface. On the left is a sidebar with a navigation menu containing 'Interaction', 'Models', 'Campaigns analysis', 'Locations analysis', and 'Products'. The 'Campaigns analysis' option is selected. The main content area is titled 'Campaigns analysis' and shows a table of campaigns. Above the table, there are filters for 'Show' (Owner, Customer) and 'All'. A search bar is also present. The table has columns for 'Name', 'Start', and 'End'. The table lists two campaigns: 'Model kits campaign' and 'Tablet campaign'. The bottom of the interface shows pagination information: 'Page 1 of 1, items 1 to 2 of 2'.

Name	Start	End
Model kits campaign	3/3/2014	4/30/2014
Tablet campaign	3/26/2014	3/26/2014

It is possible to create, retrieve, update and delete a campaign

1. To **create** a new campaign, click on the **New** button and fill the detail page shown.
2. To **update** an existing campaign, select the desired record from the list and click on the **Edit** button.
An editable detail page is shown.
3. To **delete** a campaign, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Campaign analysis detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is mandatory, as well as all fields marked with an * (asterisk).

It is mandatory to associate a client to the campaign and to define the time interval where the campaign is active

Authorization: Owner - Search filter: none

1/2

Campaigns analysis

John Doe\Graphic development\Graphic

Name*: Customer:

Start date*: End date*:

Description:

MyBrand model kits.

The following buttons are available in the toolbar:

1. **New**: clears all fields and prepares for a new record creation.
2. **Save**: this button is enabled only if there is unsaved data.
3. **Delete**: upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back**: this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back**: back to the index page without saving changes.
6. **Scroll to first (<<)** and **to last record (>>)**
7. **Scroll to previous record (<)** or **next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

8.3 Locations analysis

In this section, you can define locations.

Interaction

Models

Campaigns analysis

Locations analysis

Products

New Edit Delete Properties Assign Share

Show: Campaign: Ricerca a testo libero

Locations analysis

Owner: John Doe\Graphic development\Graphic

Name	Localisation
Shopping Center	33 Whitehall. SW1. SW1A 2
Model time	6 Via Pradazzo. 40012 Calderara di Reno BO

all [0-9] a b c d e f g h i j k l m n o p

1

Page 1 of 1, items 1 to 2 of 2.

It is possible to create, retrieve, update and delete a location.

1. To **create** a new location, click on the **New** button and fill the detail page shown.

2. To **update** an existing location, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a location, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Location detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

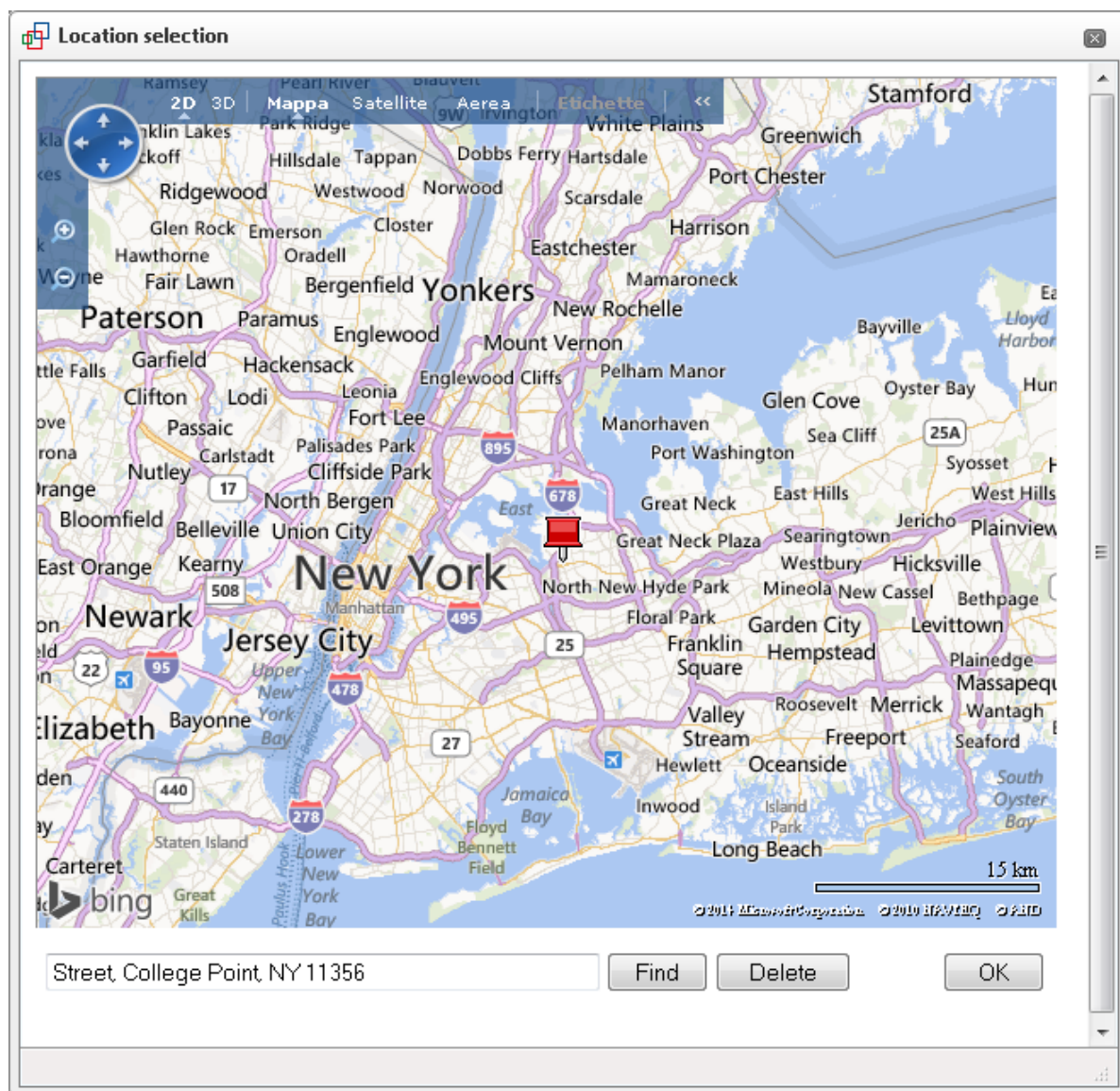
The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is mandatory, as well as all fields marked with an * (asterisk).

It is mandatory to associate a campaign.

New Save Publish Delete				Save and back Back				Properties Assign Share				Help	
New record										1/1			
Locations analysis												John Doe\Graphic development\Graphic	
Name*:		Shopping Center				Campaign:		Tablet campaign					
Localisation*:		33 Whitehall, SW1. SW1A 2											

The geographic localisation is mandatory. The localisation is determined through an interactive map where it is possible to search through the address or by pinpointing with the mouse on the map.



Afterwards the player/s to be associated to the location may be chosen from the availability list. You can filter the list based on the visualisation properties or search through the "Find" functionality.

Players:

Show

Name	
Demo Player	
MD fast food	
Stop&shop	

1 Page 1 of 1, items 1 to 3 of 3.

Players in this location:

Name	
Hall	
Parking	
Central Shop	

1 Page 1 of 1, items 1 to 3 of 3.

Description:

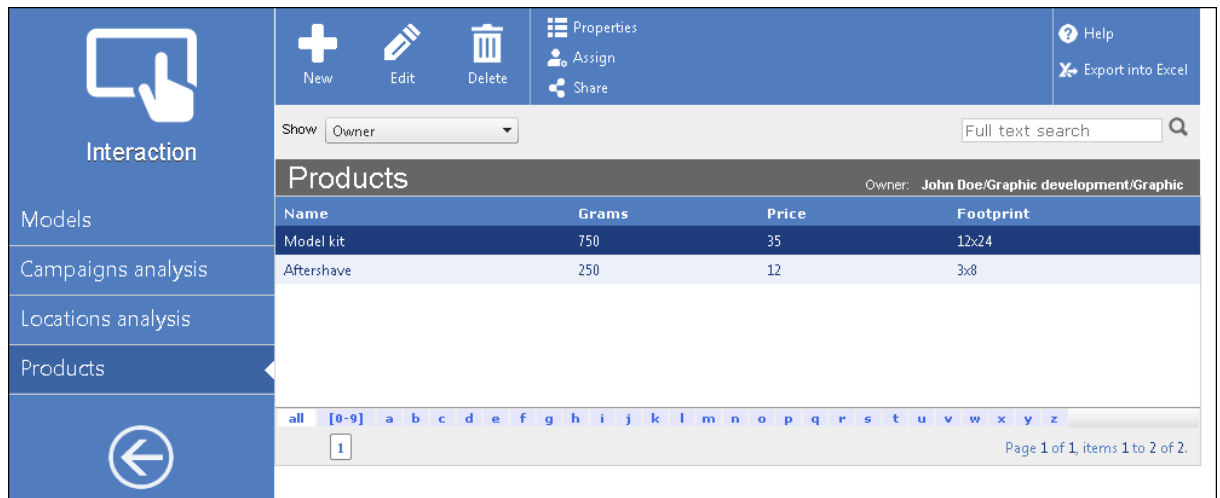
To add a player, click on the button “Associate” (the icon  beneath the player’s name)
 First we have the available players and then the list of players associated to the Location. To delete the association between a player and the location, click on “Remove association” (the icon  beneath the player’s name)

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:** back to the index page without saving changes.
6. **Scroll to first (<<)** and **to last record (>>)**
7. **Scroll to previous record (<)** or **next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

8.4 Products

In this section you can set up products.



It is possible to create, retrieve, update and delete a product.

1. To **create** a new product, click on the **New** button and fill the detail page shown.
2. To **update** an existing product, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a product, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Product detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Delete.

The **Name** field is mandatory, as well as all fields marked with an * (asterisk).

The other available fields are:

- **Barcode:** in this field a barcode can be inserted;

- **Grams:** in this field the weight of the product (in grams) can be inserted
 - **Price:** in this field, the price can be inserted
- Those fields, as well as the Description field are optional

Authorization: Owner - Search filter: none

Products John Doe\Graphic development\Graphic

Name*: Model kit Barcode: 0123456789

Grams: 750 Price: 35.00

Footprint width: 12 Footprint depth: 24

Description: WWII Aircraft model kit.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
4. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
5. **Back:** back to the index page without saving changes.
6. **Scroll to first (<<) and to last record (>>)**
7. **Scroll to previous record (<) or next record (>)**
8. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

9 Catalogues

Web XML modules allow to manage web content straight from Web Signage. At the same time, it is possible to create XML data sources that can be used by external resources for those clips that support this functionality.

XML Generator

In the in-context tasks of all catalogues there is the XML generator button (it works in the same way as for the in-context task "RSS generator" in "Products").



After selecting XML Generator, a pop-up window will be opened and the URL of the XML file for the current catalogue will be available.

If the role of the user is enabled to do so, the records that will be inserted in the XML file can be filtered on the basis of Area, Sub-Area/Service, Owner and Category (if present).

 A screenshot of a web application window titled 'XML connector test'. It features a 'Show' dropdown menu with options 'All', 'Owner', 'Sub-Area', 'Area', and '>XML t'. The 'All' option is selected. To the right of the dropdown is a user icon and the text 'Sales Department - Marketing - Matthew Smith'. Below the dropdown is a text field containing the URL 'viluppo.wsapp.net/wsxmlagtur.aspx?encc'. A 'Refresh' button is located to the right of the URL field.

After selecting the desired item from the drop down menu, the button that enables to select Area, Services and associated Users will be enabled. Whenever allowed, the Category can also be selected.

 A screenshot of a web application window titled 'XML connectors management'. It features a 'Catalogue XML connector test' section. The 'Show' dropdown menu is set to 'Area'. To the right is a user icon and the text 'Sales Department - Marketing - Matthew Smith'. Below this, there are three columns: 'Area', 'Service', and 'User'. Under 'Area', there is a checked checkbox for 'Sales Department'. Under 'Service', there is a checked checkbox for 'Marketing'. Under 'User', there are three checkboxes: 'John Doe' (unchecked), 'Mario Rossi' (unchecked), and 'Matthew Smith' (checked). At the bottom, there is a 'Category:' label followed by a dropdown menu set to 'All'.

Through this selection, you can decide which records from the catalogue will be inserted in the XML connection

(in the example, all the records created and published by the User *Demo User*, belonging to the Service *Grafic*, belonging to the Area *Edisonweb*)

The next step is to copy the link through the button **Copy** and paste it (through the shortcut **Ctrl+V**) in the external resources field or on the widget that supports this functionality.

XML link:

>XML test

The XML format can be visualized by clicking on **Test XML**.

9.1 Car catalogue

By using template models specifically designed for this functionality, it is possible to get the data from the car catalogue within a clip that supports the XML connection in the Web Signage format. By updating the catalogue, the data shown on the display will be updated in real time.

Catalogues

New

Edit

Delete

Export

XML

Models

AutoScout24

Export

Properties

Assign

Share

Help

Export into Excel

Show

All

Brand

All

Full text search

Car catalogue

Owner: John Doe/Marketing/Sales Department

Colour	Car model	Registration	Km	kW	Cubic capacity	Price
metallized	159 Sportwagon MY2008m	July 2008	38000	88	1910	€ 8,000.00
metallized	C3 exclusive	September 2005	80000	55	1400	€ 5,000.00

all

[0-9]

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Page 1 of 1, items 1 to 2 of 2.

Car catalogue

Real Estate

Hotel

Travel and tourism

Products

Communications

Some records of the list may be in italics. This means that they have not been published yet. You can create, modify and delete any object. Furthermore, through the in context tasks it is possible to access to following general functionalities:

- Export the catalogue
- Generate XML
- Models
- Autoscout24

Export the catalogue

Allows to export the catalogue of the available and published cars in excel, pdf or word format.

XML Generator

Models

If the user is enabled, within the **in context tasks**, the **Model Management** functionality will be available and car models for any brand can be added, modified and deleted.

Car models management

Current catalogue categories

Show **Owner** Sales Department - Marketing - Matthew Smith

Brand: **ALFA ROMEO**

Template		
145	Edit	Delete
147	Edit	Delete
155	Edit	Delete
156	Edit	Delete
159	Edit	Delete
164	Edit	Delete
166	Edit	Delete
33	Edit	Delete
75	Edit	Delete
90	Edit	Delete
1 2 3		

Add

Autoscout24

The cars available in the catalog can be exported to Autoscout24.

It is possible to create, retrieve, update and delete an object group.

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

Note: If a player is associated to the selected group the deletion is not possible. You have to remove all relationships first.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started

after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Car Detail

The detail page of the campaign shows the field of the records, the in-context tasks related to those records and the buttons to browse through the records

The detail page of the record list is shown based on the selection and filters selected in the overview page and the authorizations. The selection will be shown in the toolbar, below the buttons New/Save/Publish/Delete.

The **Name** field is mandatory, as well as all fields marked with an * (asterisk)

All other fields are optional. If an optional field will be left empty, the correspondent field in the template will show a blank field on the display

 New	 Save	 Publish	 Delete	 Save and back  Back	 Export	 Assign	 Help
---	--	---	--	---	---	--	--

Authorization: All - Brand: All - Search filter: none



 2/2

Car catalogue John Doe\Marketing\Sales Department

Brand*:

Model*:

Version:

Registration*: /

Mileage*:

Colour*: ☐ Metallized

Fuel:

Price*: ☒ VAT included

kW*: HP:

Transmission:

Body:

Type of car: ☐ Damaged car

Doors: Seats:

Cubic capacity*: ccm

Cylinders:

Gears:

Curb weight:

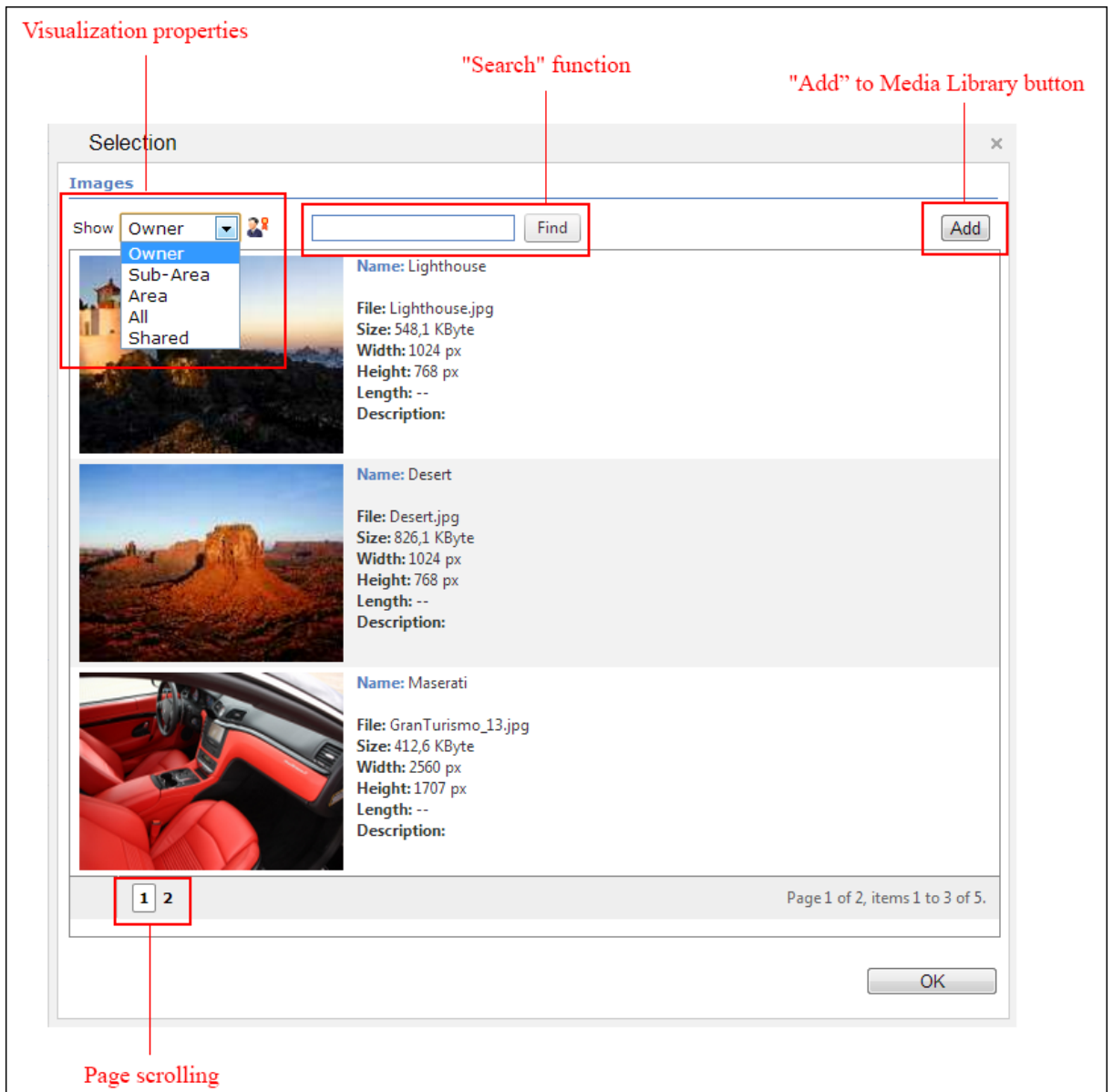
Inspection valid until:

Warranty (mths): ☐ Guaranteed used car

Emissions Std.:

☐ New ☒ Offer

To associate images (max 6) to the current car model, click on the button  associated to each image field; a pop-up window will be opened and here you can select the images.



Through the visualisation properties, it is possible to filter content by **Owner**, **Service**, **Area**, **All** and **Shared**.

For a detailed search, the **Find** function can be used: content will be filtered by the text available in the field **Name** or **Description**. If no content has been uploaded yet in the Library, it is possible to upload it now by clicking on **Add**.

After selecting the content, click on **OK**

Attention: in this section, only images can be selected from the library

By clicking on the icon , a preview will be shown. By clicking on the icon , the content will be deleted

By clicking on **Optionals** --> a list of optional equipment will be displayed and the items can be inserted by selecting the correspondent checkbox

Optionals -->

☒ Air conditioning	☒ Automatic climate control	☒ ABS	☒ Airbag
☒ Passenger airbag	☒ Side airbags	☒ ESP	☒ Automatic traction control
☒ Power windows	☒ Leather interiors	☒ Alloy wheels	☐ Alarm
☒ CD player	☒ Car radio	☐ Sunroof	☐ On-board navigation system
☒ On-board computer	☐ Xenon lights	☒ Central locking	☐ Electrically adjustable seats
☐ Cruise control	☐ Heated seats	☐ 4WD	☐ Park distance control
☐ Towbar	☒ Fog lamps	☒ Immobilizer	☒ Power steering
☐ AWD	☐ Guaranteed used car	☐ 12 months warranty	☐ Tuned car
☐ Disabled friendly	☒ Roof bars		

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Publish:** if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
6. **Back:** back to the index page without saving changes.
7. **Scroll to first (<<) and to last record (>>)**
8. **Scroll to previous record (<) or next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

The in context task **Print Form**, allows to print the car file.

9.2 Real estates

By using template models specifically designed for this functionality, it is possible to get the data from the car catalogue within a clip that supports the XML connection in the Web Signage format. By updating the catalogue, the data shown on the display will be updated in real time.

The screenshot displays a web application for managing real estate data. The interface is divided into a sidebar and a main content area. The sidebar on the left contains a 'Catalogues' section with a sub-menu including 'Car catalogue', 'Real Estate', 'Hotel', 'Travel and tourism', 'Products', and 'Communications'. The main content area is titled 'Real Estate' and features a table of listings. The table has columns for 'Reference', 'Building type', 'Address', 'Area', 'Size', 'Bathrooms', and 'Price'. The data rows are as follows:

Reference	Building type	Address	Area	Size	Bathrooms	Price
4325	Penthouse	Lake street	Sea	350 sqm	3	Private contract
ref. AKG123	Apartment	Via Vai	Lago	100 sqm	3	Private contract
EWE-123	Covered parking lot	Via Manzoni	Lecco	0 sqm	0	Private contract
123	Farm	Via dei Mille	Lago di Como	120 sqm	2	123000.0000

At the top of the main area, there are filters for 'Show' (set to 'All'), 'Offer type' (set to 'For rent'), and 'Building type' (set to 'All'). A 'Full text search' bar is also present. The bottom of the interface shows pagination: 'Page 1 of 1, items 1 to 4 of 4'.

It is possible to create, retrieve, update and delete an object. Furthermore, through the in-context tasks it is possible to start the:

[XML Generator](#) functionality, if the clip supports it.

Regarding the management of the records:

1. To **create** a new object, click on the **New** button and fill the detail page shown.
2. To **update** an existing object, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** an object, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Real Estate Detail

The detail page of the campaign shows the field of the records, the in-context tasks related to those records and the buttons to browse through the records

The detail page of the record list is shown based on the selection and filters selected in the overview page and the authorizations.

 New	 Save	 Publish	 Delete	 Save and back	 Back	 Properties	 Assign	 Share	 Help
---	--	---	--	---	--	--	--	---	--

Authorization: All - Offer: For rent - Estate: All - Search filter: none 3/4

Real Estate

Matthew Smith\Marketing\Sales Department

Offer:

Type:

Reference*:

Location

Address*:

Area*:

Municipality*:

State*:

Estate details

Size: sqm Bathrooms: Floor:

Availability*: Price:

Rooms:

Building details:

Floors: Year:

Type: ☒ Lift ☒ Concierge

Images:

Image 1:	  	01_immobili.jpg (194.5 KByte)
Image 2:	  	02_immobili.jpg (206.6 KByte)
Image 3:	  	03_immobili.jpg (166.3 KByte)
Image 4:	  	04_immobili.jpg (171.1 KByte)
Image 5:	  	05_immobili.jpg (112.9 KByte)
Image 6:	  	06_immobili.jpg (994.0 KByte)

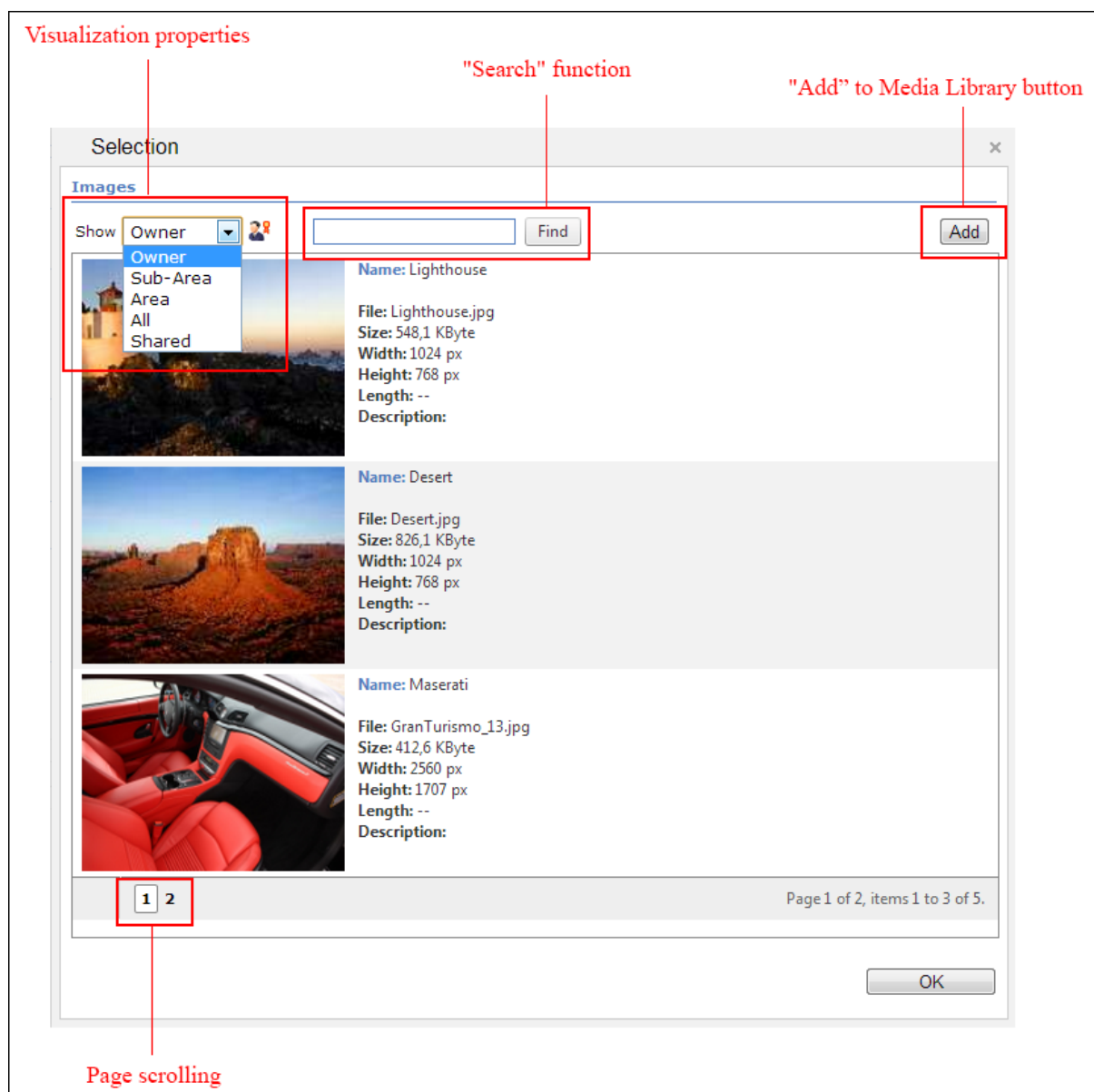
Link:

Description:

If an optional field will be left empty, the correspondent field in the template will show a blank field on the

display

To associate images (max 6) to the current record, click on the button  associated to each image field; a pop-up window will be opened and here you can select the images.



Through the visualisation properties, it is possible to filter content by **Owner**, **Service**, **Area**, **All** and **Shared**.

For a detailed search, the **Find** function can be used: content will be filtered by the text available in the field **Name** or **Description**. If no content has been uploaded yet in the Library, it is possible to upload it now by clicking on **Add**.

After selecting the content, click on **OK**

Attention: in this section, only images can be selected from the library

By clicking on the icon , a preview will be shown. By clicking on the icon , the content will be deleted.

The following buttons are available in the toolbar:

1. **New**: clears all fields and prepares for a new record creation.
2. **Save**: this button is enabled only if there is unsaved data.
3. **Publish**: if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete**: upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back**: this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
6. **Back**: back to the index page without saving changes.
7. **Scroll to first (<<)** and **to last record (>>)**
8. **Scroll to previous record (<)** or **next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

9.3 Hotel

By using template models specifically designed for this functionality, it is possible to get the data from the car catalogue within a clip that supports the XML connection in the Web Signage format. By updating the catalogue, the data shown on the display will be updated in real time.

Description	Caption	Type
Wonderful hotel in the mountains	Hotel in the mountains	Suite
Restaurant Grand Hotel description	Restaurant Grand Hotel	Restaurant
Double Room Madonna del Campiglio description	Double Room Madonna del Campiglio	Double room
Double Room description	Double Room	Room
Very very hotel	very nice hotel	Suite
Luxury Indian hotel	Luxury hotel	Suite

You can create, modify and delete any object. Furthermore, through the in-context tasks it is possible to start the:

[XML Generator](#) functionality, if the clip supports it.

Regarding the management of the records:

1. To **create** a new object, click on the **New** button and fill the detail page shown.
2. To **update** an existing object, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** an object, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Hotel Detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

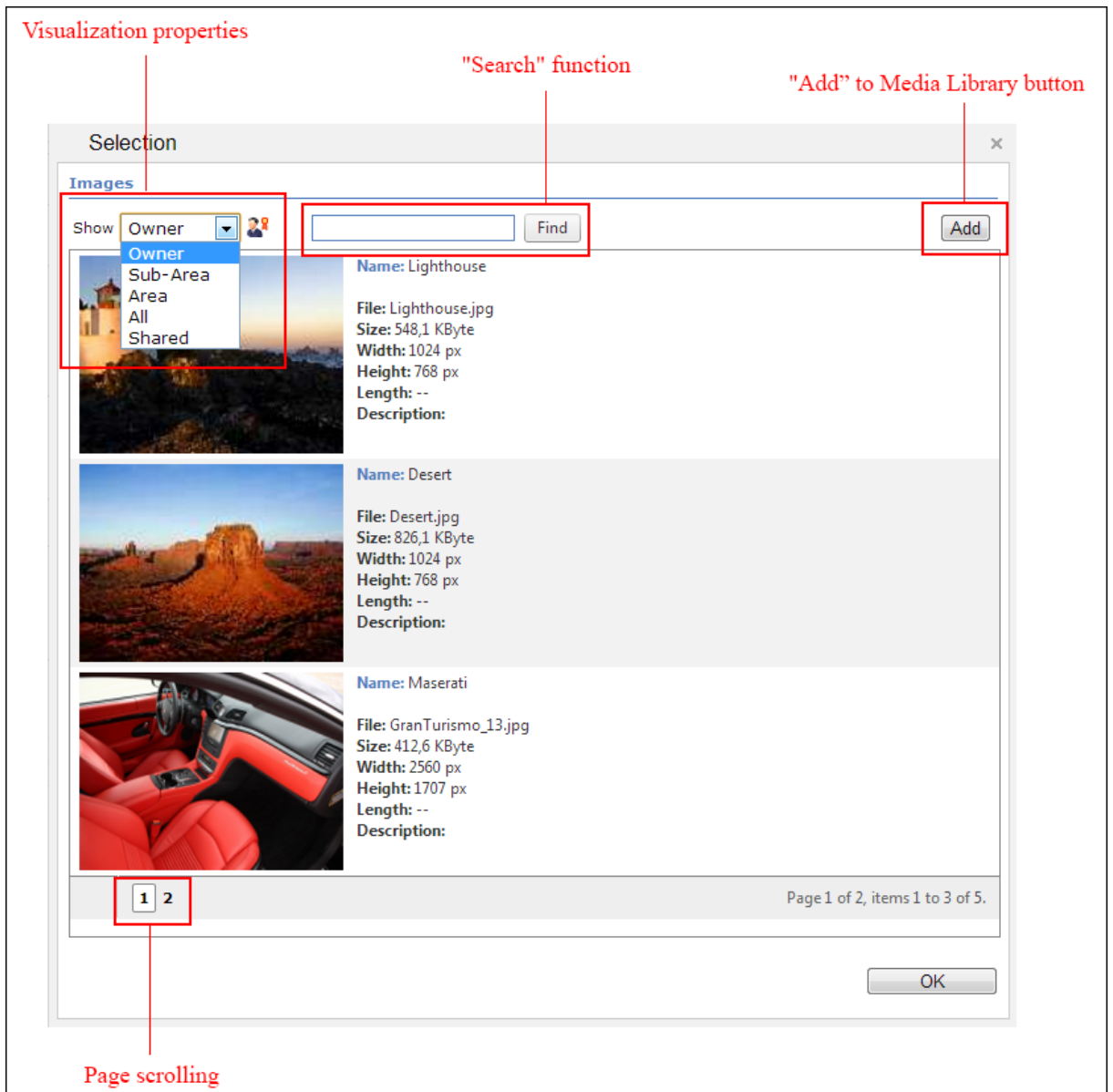
The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Publish/Delete.

The **Type** field is mandatory, as well as all fields marked with an * (asterisk). The non-marked fields are optional.

If an optional field will be left empty, the correspondent field in the template will show a blank field on the display

 New	 Save	 Publish	 Delete	 Save and back	 Back	 Properties	 Assign	 Share	 Help
Authorization: All - Authorization: All - Search filter: none						    2/6			
Hotel Matthew Smith\Marketing\Sales Department									
Type*:	Suite								
Caption*:	Hotel in the mountains								
Image:	   hotel2.jpg (215.5 KByte)								
Description*:	Wonderful hotel in the mountains.								
Link:									

To associate an image to the current record, click on the button  associated to each image field; a pop-up window will be opened and here you can select the images.



Through the visualisation properties, it is possible to filter content by **Owner**, **Service**, **Area**, **All** and **Shared**.

For a detailed search, the **Find** function can be used: content will be filtered by the text available in the field **Name** or **Description**. If no content has been uploaded yet in the Library, it is possible to upload it now by clicking on **Add**.

After selecting the content, click on **OK**

Attention: in this section, only images can be selected from the library

By clicking on the icon , a preview will be shown. By clicking on the icon , the content will be deleted.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Publish:** if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is

saved and the detail page is closed.

6. **Back**: back to the index page without saving changes.
7. **Scroll to first (<<)** and **to last record (>>)**
8. **Scroll to previous record (<)** or **next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

9.4 Travel and tourism

By using template models specifically designed for this functionality, it is possible to get the data from the car catalogue within a clip that supports the XML connection in the Web Signage format. By updating the catalogue, the data shown on the display will be updated in real time.

Catalogues	New Edit Delete XML Properties Assign Share Show All Offer type Art cities Facility type All Full text search																																										
	Travel and tourism Owner: Matthew Smith/Marketing/Sales Department <table> <tr> <th>Offer type</th><th>Service type</th><th>Title</th><th>Subtitle</th><th>Facility</th><th>Service</th><th>Resort</th><th>Publish from</th><th>to</th></tr> <tr> <td>Art cities</td><td>Bed and breakfast</td><td>The Eternal City</td><td>Roman Empire</td><td>The Coliseum</td><td>half-board</td><td>Rome</td><td>4/10/2014</td><td>4/28/2014</td></tr> <tr> <td>Art cities</td><td>Hotel</td><td>Weekend in Venice</td><td>Carnival of Italy.</td><td>Lagoon</td><td>Breakfast</td><td>Venice</td><td>1/26/2014</td><td>2/28/2014</td></tr> <tr> <td>Art cities</td><td>Farm</td><td>Valentine's Day</td><td>Festa degli innam.</td><td>Love</td><td>Full-board</td><td>Florence</td><td>2/13/2014</td><td>2/19/2015</td></tr> </table> all [0-9] a b c d e f g h i j k l m n o p q r s t u v w x y z 1 Page 1 of 1, items 1 to 3 of 3.								Offer type	Service type	Title	Subtitle	Facility	Service	Resort	Publish from	to	Art cities	Bed and breakfast	The Eternal City	Roman Empire	The Coliseum	half-board	Rome	4/10/2014	4/28/2014	Art cities	Hotel	Weekend in Venice	Carnival of Italy.	Lagoon	Breakfast	Venice	1/26/2014	2/28/2014	Art cities	Farm	Valentine's Day	Festa degli innam.	Love	Full-board	Florence	2/13/2014
Offer type	Service type	Title	Subtitle	Facility	Service	Resort	Publish from	to																																			
Art cities	Bed and breakfast	The Eternal City	Roman Empire	The Coliseum	half-board	Rome	4/10/2014	4/28/2014																																			
Art cities	Hotel	Weekend in Venice	Carnival of Italy.	Lagoon	Breakfast	Venice	1/26/2014	2/28/2014																																			
Art cities	Farm	Valentine's Day	Festa degli innam.	Love	Full-board	Florence	2/13/2014	2/19/2015																																			

In the summary list, the expired records are highlighted in red; the associated records will not be visible on the display anymore. The records in italics are to be published.

You can create, modify and delete any object. Furthermore, through the in-context tasks it is possible to start the:

[XML Generator](#) functionality, if the clip supports it.

Regarding the management of the records:

1. To **create** a new object, click on the **New** button and fill the detail page shown.
2. To **update** an existing object, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** an object, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page..

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles.

The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are grant by the record owner.

Tourism offer detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Publish/Delete.

The **Title** field is mandatory, as well as all fields marked with an * (asterisk). The non-marked fields are optional.

If an optional field will be left empty, the correspondent field in the template will show a blank field on the display

 New	 Save	 Publish	 Delete	 Save and back	 Back	 Properties	 Assign	 Share	 Help
---	--	---	--	---	--	--	--	---	--

Authorization: All - Offer: Art cities - Facility: All - Search filter: none 3/3

Travel and tourism Matthew Smith\Marketing\Sales Department

Offer:

Title*:

Subtitle:

Departure(s)*:

Facility:

Facility name*:

Resort*:

Nights: Accomodation:

List price: Final price:

Unit:

Publishing: From to

Images

Image 1:    0433437.jpg (206.8 KByte)

Image 2:    0421834.jpg (228.5 KByte)

Image 3:   

Image 4:   

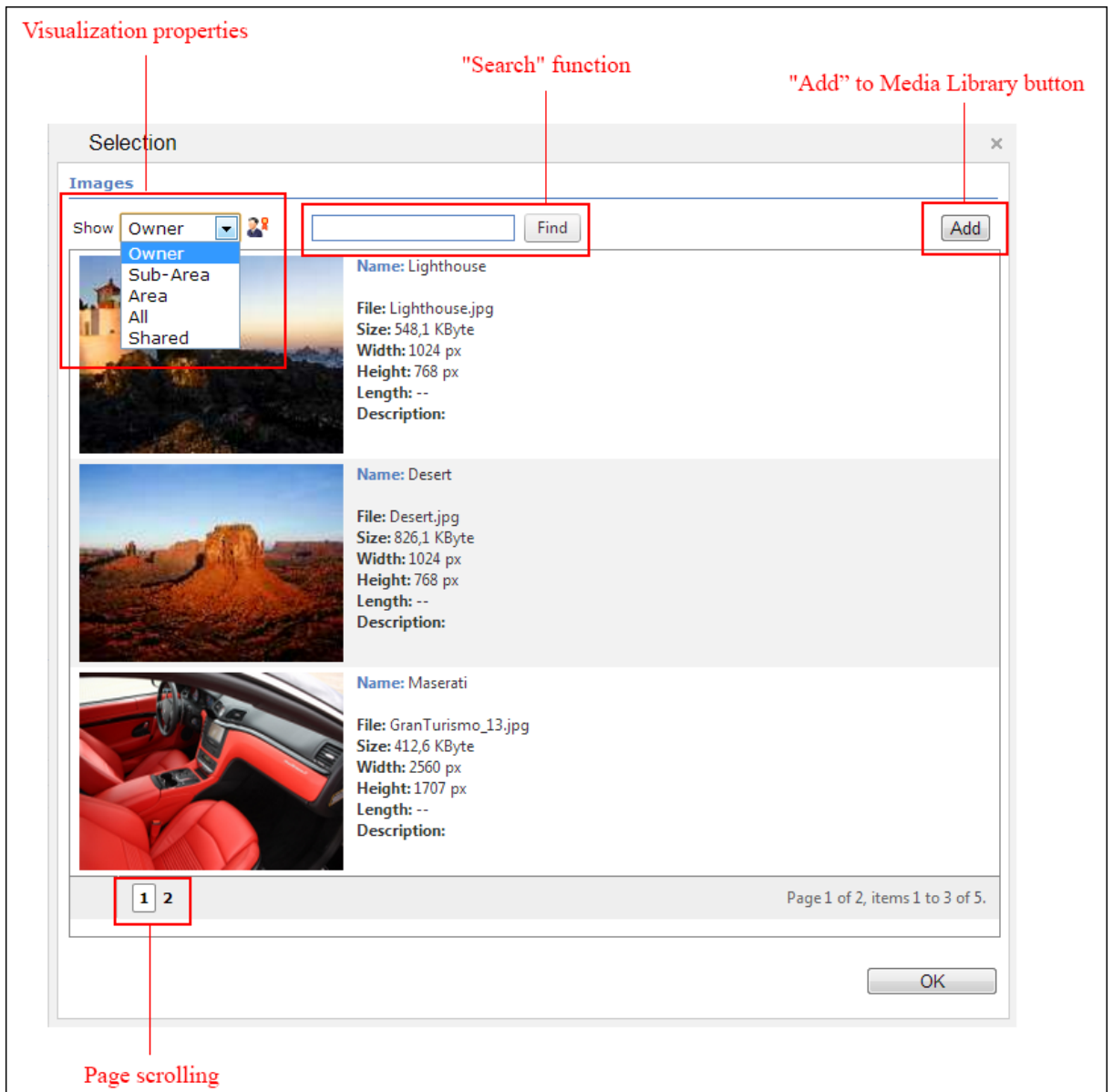
Image 5:   

Image 6:   

Link:

Description:

To associate images (max 6) to the current record, click on the button  associated to each image field; a pop-up window will be opened and here you can select the images.



Through the visualisation properties, it is possible to filter content by **Owner**, **Service**, **Area**, **All** and **Shared**.

For a detailed search, the **Find** function can be used: content will be filtered by the text available in the field **Name** or **Description**. If no content has been uploaded yet in the Library, it is possible to upload it now by clicking on **Add**.

After selecting the content, click on **OK**

Attention: in this section, only images can be selected from the library

By clicking on the icon , a preview will be shown. By clicking on the icon , the content will be deleted.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Publish:** if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is

saved and the detail page is closed.

6. **Back**: back to the index page without saving changes.
7. **Scroll to first (<<)** and **to last record (>>)**
8. **Scroll to previous record (<)** or **next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

9.5 Products

Products and services are generic elements of a catalog that can be used within a clip that supports the XML connection in the Web Signage format. By updating the catalogue, the data shown on the display will be updated in real time.

Catalogues

Car catalogue

Real Estate

Hotel

Travel and tourism

Products

Communications

New

Edit

Delete

Categories

XML

RSS

RSS categories

Properties

Assign

Share

Help

Export into Excel

Show

Owner

Category

All

Full text search

Products

Owner: John Doe/Graphic development/Graphic

Code	Name	Description	Publish from	Publish from
FF123	Marshmallow	On offer with the purchase of a hot dog + a hamburger.	3/30/2014	4/12/2014
MW0987	Guitar	Music World offers.	4/6/2014	5/9/2014
AK47	Wristwatch	Offer.	4/14/2014	4/24/2014
12345	Aftershave	On sale this week.	4/1/2014	4/10/2014
67890	Milk	Special price.	4/6/2014	4/19/2014
FF123	Hamburger	Served with lettuce, bacon, tomato, onion, pickles, cheese and condiments such as mustard, mayonnaise, ketchup and relish.	3/23/2014	3/30/2014
FF456	Hot Dog	Include mustard, ketchup, onions, mayonnaise, relish, cheese, chili, and sauerkraut.	4/6/2014	4/12/2014

all

[0-9]

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Page 1 of 1, items 1 to 7 of 7.

In the summary list, the expired records are highlighted in red; the associated records will not be visible on the display anymore. The records in italics are to be published.

You can create, modify and delete any object. Furthermore, through the in context tasks it is possible to access to following general functionalities:

1. **Category / RSS category** management;
2. Generate the XML/RSS connection with the clip that supports this feature.

1. Category / RSS category

If the role of the user is enabled, within the in-context tasks the **Category / RSS category** management function will appear. With this function, the categories that can be associated to a product can be added, modified, deleted.

To create a new category, insert the name in the appropriate text box and click "**Add**". To modify or remove a category click on the appropriate **Edit/Remove** button.

Categories management

Current catalogue categories

Show Area Graphic - Graphic development - John Doe

Area **Service** **User**

☒ Graphic ☒ Graphic development ☐ Adam Swat

☐ John Doe

☐ Matthew Smith

Category name		
Fast food	Edit	Delete
Shopping center	Edit	Delete
Discount	Edit	Delete
Offers	Edit	Delete

Regarding the management of the records:

1. To **create** a new record, click on the **New** button and fill the detail page shown.
2. To **update** an existing record, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** a record, select the desired record from the list and click on the **Delete** button.

The following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page.

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown

3. **Area:** All records owned by users belonging to current user's area are shown
4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are granted by the record owner.

Product detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Publish/Delete.

The **Name** field is mandatory, as well as all fields marked with an * (asterisk). The description field is optional.

Code: is an univocal value for each element

Publishing date and **Expiry** date indicate the validity and visibility period for the selected object. After this date, it will not be shown anymore. In case of no publishing date, the starting day of validity will be considered as "always". No expiry date means that the object validity does not expire.

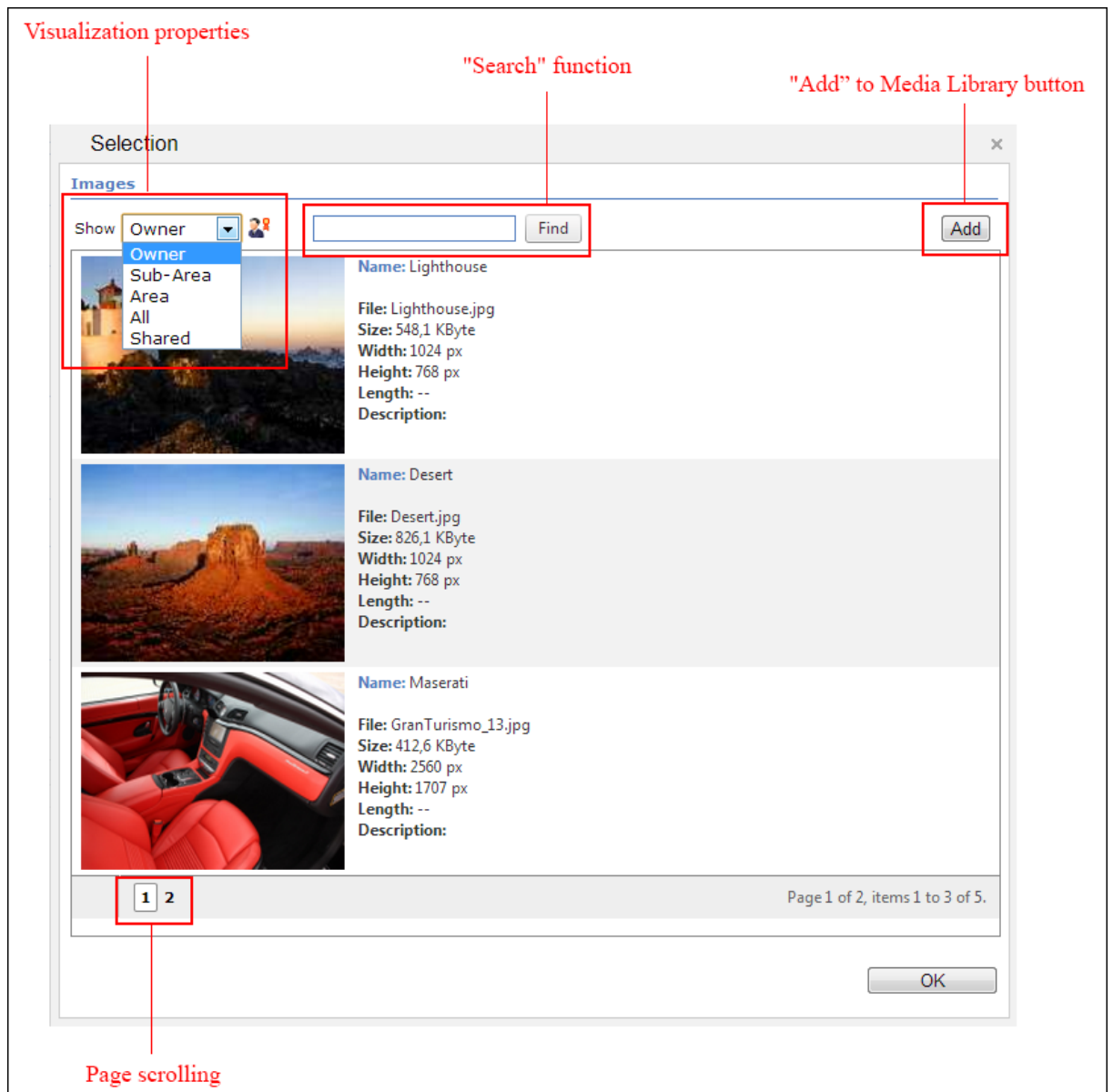
Price, in current value

Slide delay: the time in seconds of minimum stay of the object during the clip visualisation.

 New		 Save		 Publish		 Delete		 Save and back		 Back		 Properties		 Assign		 Share		 Help	
Authorization: Owner - Category: All - Search filter: none														   		4/7			
Products John Doe\Graphic development\Graphic																			
Code:		67890																	
Name*:		Milk																	
Description:		Special price.																	
Published on:		4/6/2014				Expires on:		4/19/2014											
Price:		\$1.00																	
Slide delay:		5																	
Image:		  																	
Link:		www.mycompany.com																	
Categories																			
☐ Shopping center		☒ Discount																	
☐ Fast food		☐ Offers																	

To associate an image to the current record, click on the button  associated to each image field; a

pop-up window will be opened and here you can select the images.



Through the visualisation properties, it is possible to filter content by **Owner**, **Service**, **Area**, **All** and **Shared**.

For a detailed search, the **Find** function can be used: content will be filtered by the text available in the field **Name** or **Description**. If no content has been uploaded yet in the Library, it is possible to upload it now by clicking on **Add**.

After selecting the content, click on **OK**

Attention: in this section, only images can be selected from the library

By clicking on the icon , a preview will be shown. By clicking on the icon , the content will be deleted.

For every object it is possible to select one or more categories from those defined in the category management. It is also possible to associate a link to a product.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.

2. **Save:** this button is enabled only if there is unsaved data.
3. **Publish:** if enabled by the user role, makes the last changes available to the remote player machine.
4. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
6. **Back:** back to the index page without saving changes.
7. **Scroll to first (<<) and to last record (>>)**
8. **Scroll to previous record (<) or next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

9.6 Communications

Communications are generic informative elements of a catalog that can be used within a clip that supports the XML connection in the Web Signage format. By updating the catalogue, the data shown on the display will be updated in real time.

The screenshot shows the 'Catalogues' application interface. On the left is a sidebar with a 'Catalogues' header and a list of categories: Car catalogue, Real Estate, Hotel, Travel and tourism, Products, and Communications (which is selected). The top navigation bar contains icons for New, Edit, Delete, Categories, XML, Properties, Assign, Share, Help, and Export into Excel. Below the navigation bar, there are filters for 'Show' (All) and 'Category' (All), and a 'Full text search' input field. The main content area is titled 'Communications' and shows a table with the following data:

		Owner: Matthew Smith/Marketing/Sales Department		
Title	Description	Event date	Publish from	to
Press	Press releases.	4/25/2014	3/1/2014	4/25/2014
News	News of the week.	3/7/2014	2/1/2014	4/30/2014

At the bottom of the interface, there is a pagination bar showing 'all [0-9] a b c d e f g h i j k l m n o p q r s t u v w x y z' and a page indicator 'Page 1 of 1, items 1 to 2 of 2'.

In the summary list, the expired records are highlighted in red; the associated records will not be visible on the display anymore. The records in italics are to be published.

You can create, modify and delete any object. Furthermore, through the in context tasks it is possible to access to following general functionalities:

- **News category management**
- Visualize the URL of the XML generator to access to the news from the catalogue in this format

News management: If the role of the user is enabled, within the in-context tasks the **news management** function will appear. With this function, the categories that can be associated to a news can be added, modified, deleted.

Categories management

News category

Show Area Sales Department - Marketing - Matthew Smith

Area **Service** **User**

☐ Sales Department

Category name		
Cinema	Edit	Delete
News	Edit	Delete
Communication	Edit	Delete

Add

[XML Generator](#) functionality, if the clip supports it.

Regarding the management of the records:

1. To **create** a new object, click on the **New** button and fill the detail page shown.
2. To **update** an existing object, select the desired record from the list and click on the **Edit** button. An editable detail page is shown.
3. To **delete** an object, select the desired record from the list and click on the **Delete** button.

Following functions are provided to help you select and search the records:

Find: Performs a search, looking for the text in the box within the record fields. The search is started after pressing the **go** button.

Alphabetic buttons

All: All records are shown

[0-9]: Only the records with the value of the first column starting with a number are shown.

[a,b,...]: Only the records with the value of the first column starting with the selected letter are shown.

Paging: Using the << (previous page) and >> (next page) it is possible to scroll through the pages if they exceed the maximum number of records displayed in single page.

Display filter

The options available in the **Show** combo box change following the privileges grant by the user roles. The **Shared** option is always visible, the other available options are:

1. **Owner:** All records owned by the current user are shown.
2. **Service:** All records owned by users belonging to current user's service are shown
3. **Area:** All records owned by users belonging to current user's area are shown

4. **All:** All records are shown
5. **Shared:** All records shared by other users are shown. The additional privileges for record change, deletion and in-context task availability are granted by the record owner.

Communication Detail

The detail page for the selected object contains the record fields, the in-context tasks and the scroll buttons.

The record list available is shaped by the selections and filters applied to the summary. The selection will be shown in the toolbar, below the buttons New/Save/Publish/Delete.

The **Name** field is mandatory, as well as all fields marked with an * (asterisk). The description field is optional.

Code: is an univocal value for each element

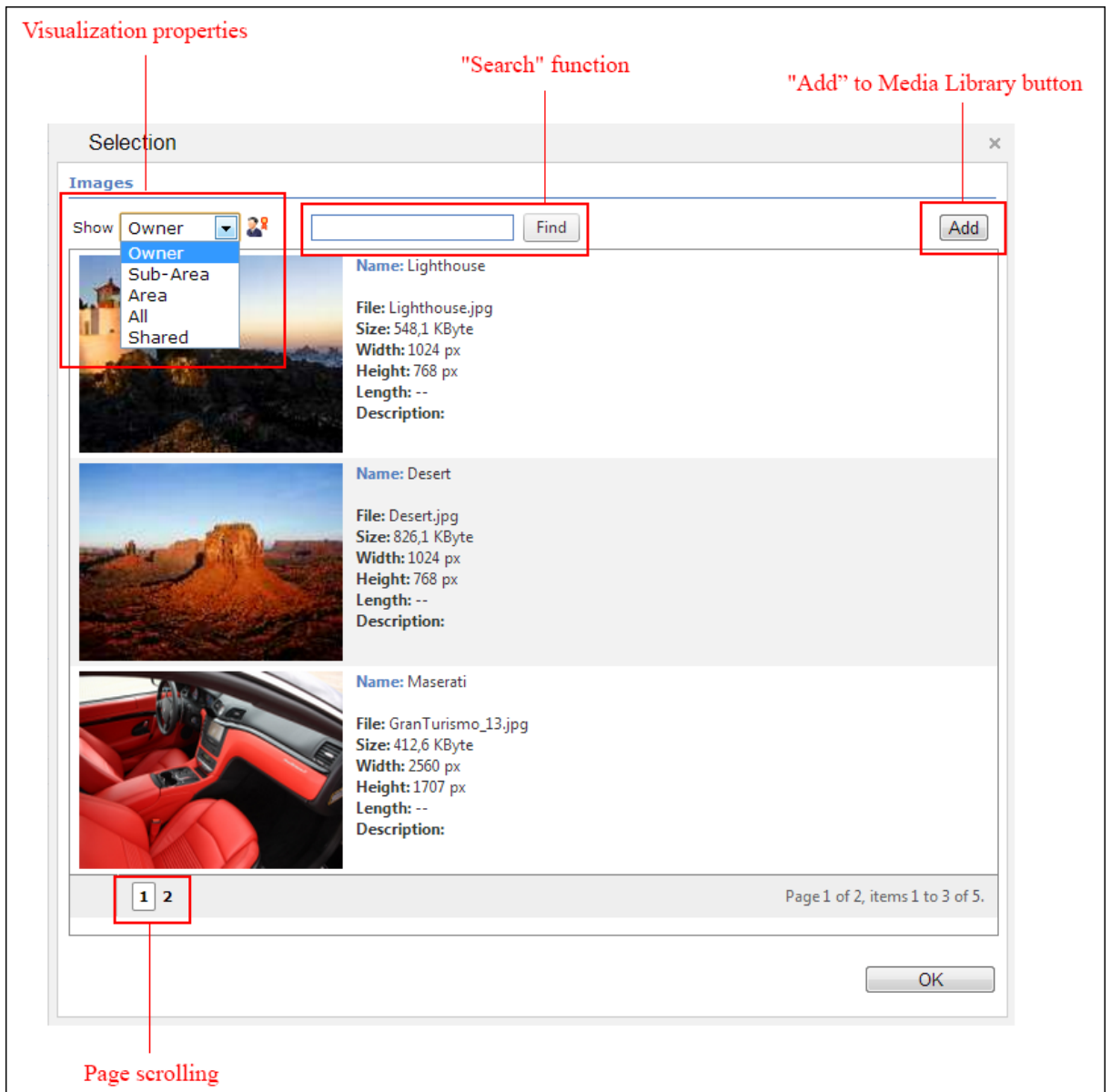
Publishing date and **Expiry** date indicate the validity and visibility period for the selected object. After this date, it will not be shown anymore. In case of no publishing date, the starting day of validity will be considered as "always". No expiry date means that the object validity does not expire.

Price, in current value

Slide delay: the time in seconds of minimum stay of the object during the clip visualisation

 New	 Save	 Publish	 Delete	 Save and back	 Back	 Properties	 Assign	 Share	 Help
Authorization: All - Category: All - Search filter: none						   		1/2	
Communications						Matthew Smith\Marketing\Sales Department			
Title*:	News			Event:	3/7/2014				
Description:	News of the week.								
Published on:	2/1/2014			Expires on:	4/30/2014				
Slide delay:	3								
Image:	   kfz15955316_007.jpg (30.4 KByte)								
Link:									
Categories ☐ Cinema ☒ Communication ☐ News									

To associate an image to the current record, click on the button  associated to each image field; a pop-up window will be opened and here you can select the images.



Through the visualisation properties, it is possible to filter content by **Owner**, **Service**, **Area**, **All** and **Shared**.

For a detailed search, the **Find** function can be used: content will be filtered by the text available in the field **Name** or **Description**. If no content has been uploaded yet in the Library, it is possible to upload it now by clicking on **Add**.

After selecting the content, click on **OK**

Attention: in this section, only images can be selected from the library

By clicking on the icon , a preview will be shown. By clicking on the icon , the content will be deleted.

For every object it is possible to select one or more categories from those defined in the management categories.

The following buttons are available in the toolbar:

1. **New:** clears all fields and prepares for a new record creation.
2. **Save:** this button is enabled only if there is unsaved data.
3. **Publish:** if enabled by the user role, makes the last changes available to the remote player machine.

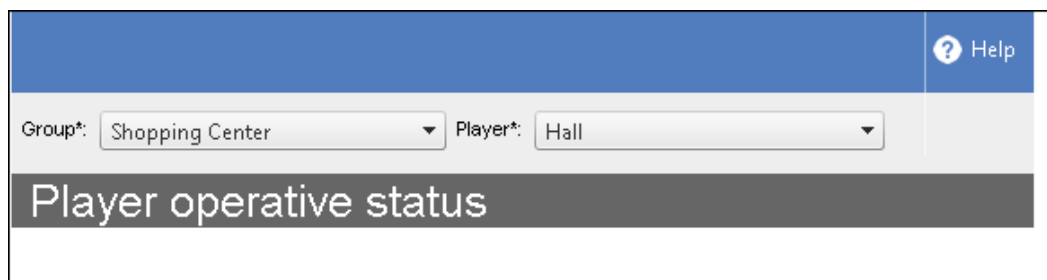
4. **Delete:** upon confirmation, this button deletes the current record. The record will not be deleted if associated to other objects.
5. **Save and back:** this button is enabled only if there is unsaved data. By clicking on it the data is saved and the detail page is closed.
6. **Back:** back to the index page without saving changes.
7. **Scroll to first (<<) and to last record (>>)**
8. **Scroll to previous record (<) or next record (>)**
9. At the right of the buttons is shown the number of the current record along with the total number of records (**record no./record total**).

10 Monitoring

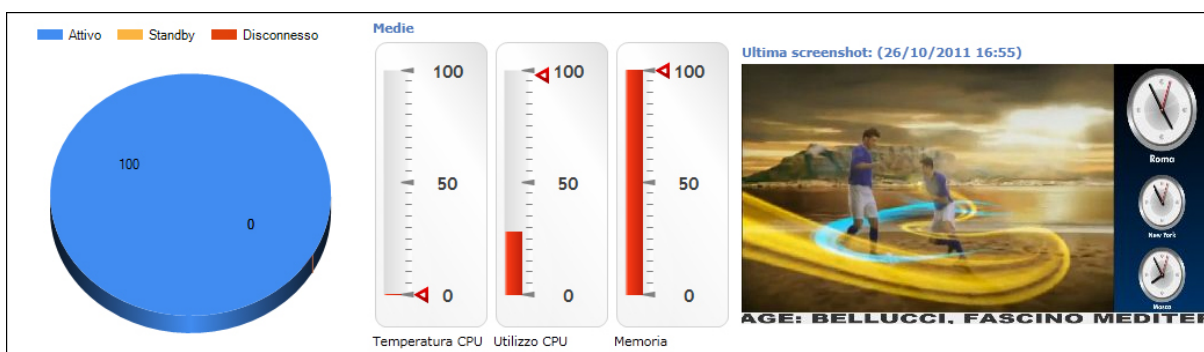
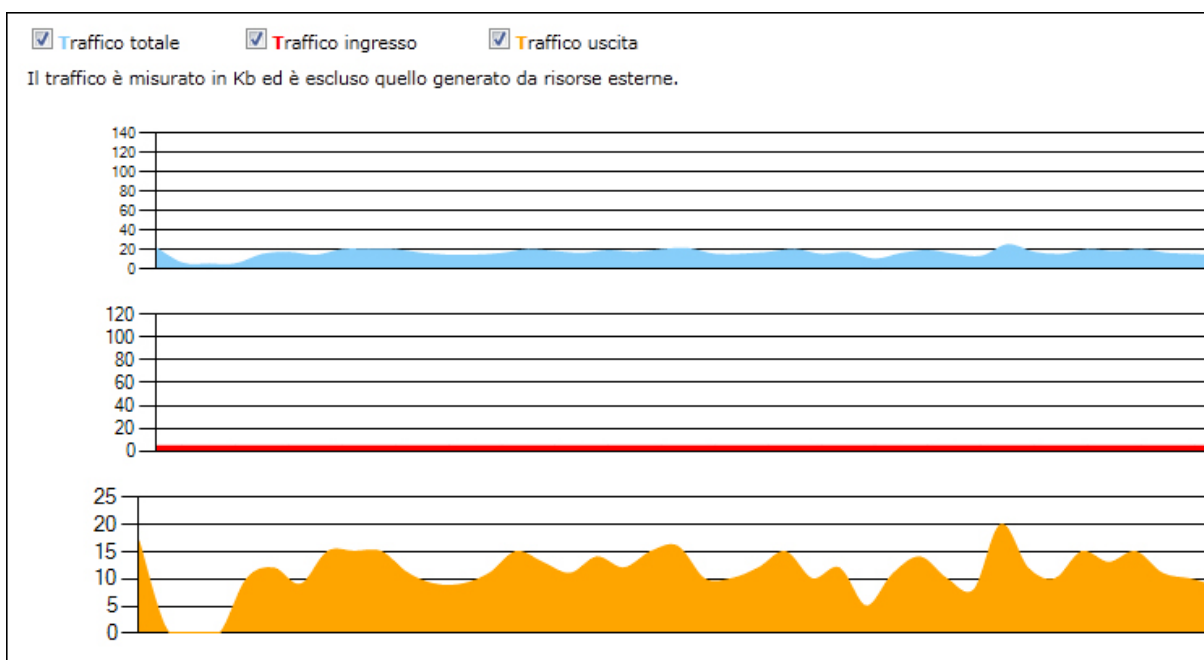
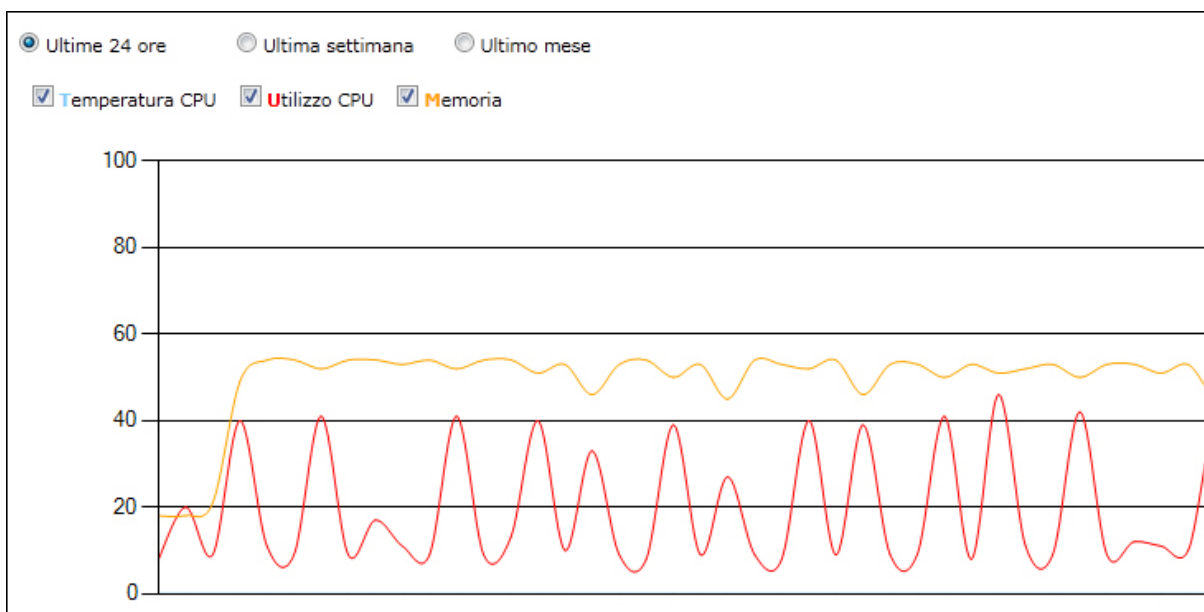
The analysis tools allow you to simulate the behavior of the player and to monitor the clip passages. This last feature is useful for billing purposes.

10.1 Player operative status

In this section, by selecting a player, it is possible to visualize graphs that summarize the functional parameters of the player (CPU, memory, data traffic, etc), the traffic generated by the player and the last screenshot of the display

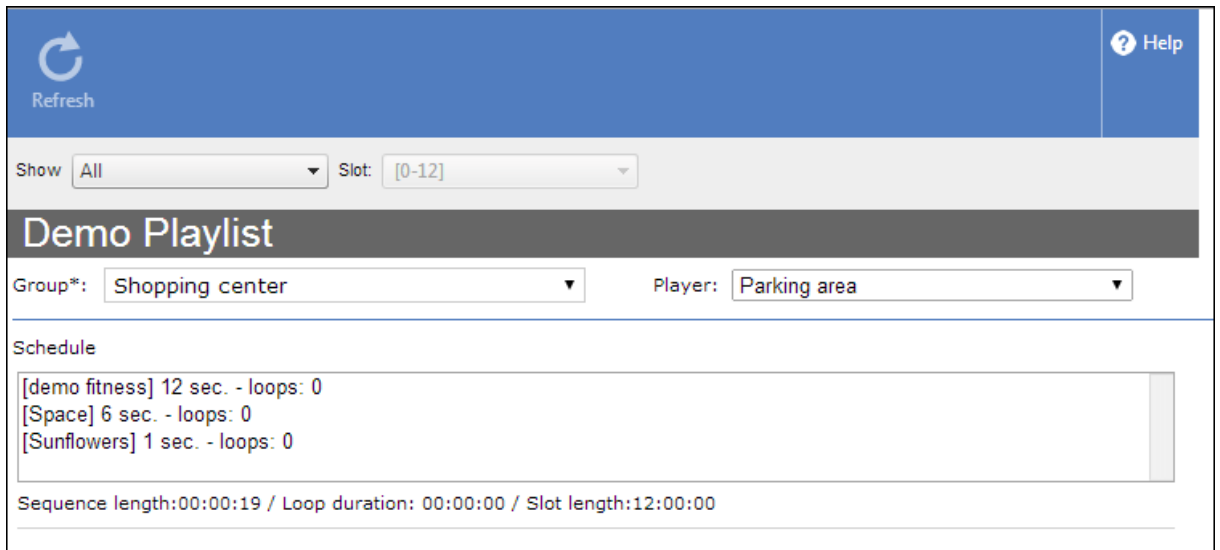


The selectable period to visualize those parameters goes from the last 24 hours to one month.



10.2 Playlist

Selecting a **player** and a **time slot**, the list of [clips](#) programmed on that player using the current [schedule](#) are shown.



The screenshot shows a web interface for a 'Demo Playlist'. At the top, there is a blue header bar with a 'Refresh' button (circular arrow icon) on the left and a 'Help' button (question mark icon) on the right. Below the header, there is a light gray bar containing two dropdown menus: 'Show' set to 'All' and 'Slot' set to '[0-12]'. The main title 'Demo Playlist' is displayed in a dark gray bar. Below this, there are two more dropdown menus: 'Group*' set to 'Shopping center' and 'Player' set to 'Parking area'. A section titled 'Schedule' contains a text area with the following content: '[demo fitness] 12 sec. - loops: 0', '[Space] 6 sec. - loops: 0', and '[Sunflowers] 1 sec. - loops: 0'. At the bottom of the schedule section, a status bar shows 'Sequence length:00:00:19 / Loop duration: 00:00:00 / Slot length:12:00:00'.

The Schedule list contains the clip name between square brackets, the clip length and the number of loops. A blue animation indicates that a Bluetooth content has been published along with the clip. At the bottom of the list the sequence and time slot lengths are shown. These figures are useful to check if the scheduled content filled the slot.

Selecting a clip on the list, a preview within a monitor with the same orientation of the player. The first image shown in this area is a screenshot. The screenshot is updated on every player connection.

Player properties

Refresh every: 5 min.

Last notification: 08/04/2014 12:56:01 (1 min.)

Resolution: 1280 x 720px

Orientation: Landscape

At the bottom of the simulated display the following information is shown:

- Player power on time. If not set it will appear as ##:##
- Player power off time. If not set it will appear as ##:##
- Indicate the player status as explained in the [Start](#) page.
- Indicates that the audio has been disabled, while indicates that the audio is enabled. The volume is shown beside as a percentage (0-100%).

Below this information the main player properties are summarized:

- Refresh interval
- Time of last connection and how many minutes ago it happened
- Screen resolution
- Screen orientation

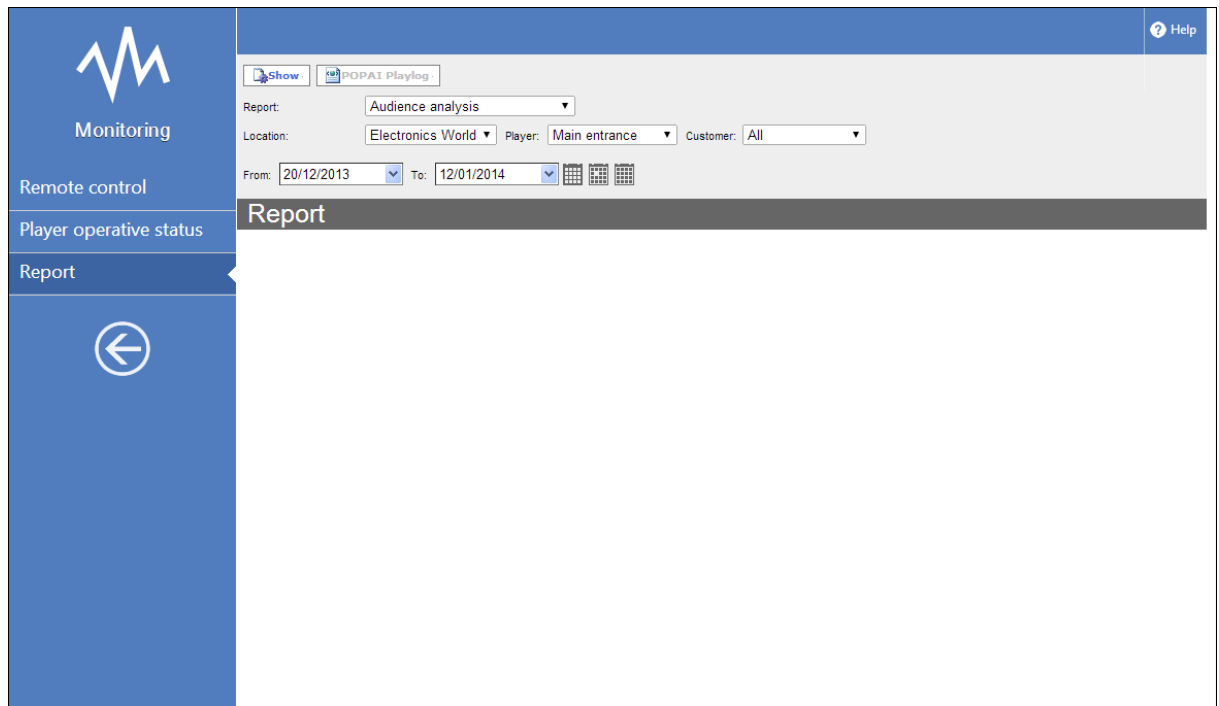
10.3 Report

Several kinds of records and printouts are available.

To display a report, select the report using the **Report** combo box. The **Group, Player and Customer**

combo boxes can be used to show data related to a smaller portion of the network or to display the information for a single customer.

Using the **From**, **To** and **Slot** options it is possible to filter the results to a specific time frame.



Clicking on the **Show** button the report is shown below the control bar. All reports are exportable in the **PDF**, **XLS** and **RTF** formats.

All printouts are exportable as a standard **POP AI** XML Playlog.



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