



Version 9.1
Users Guide

Index

1	Introduction	1
2	Architecture and functionality	1
3	Introducing the user interface	3
4	Login form	4
5	Navigation	5
6	Home	8
7	Chat	10
8	The Desktop – Your personal area	11
8.1	Personal settings	11
8.2	Project management	12
8.3	Task management	14
8.4	Favorites	17
8.5	Checked out objects	17
8.6	Messages	18
8.7	Publishing queue	18
8.8	Recycle bin	18
8.9	Travel through time	19
9	Automatic notifications	20
10	Managing content	21
10.1	The basics of content management	21
10.1.1	The architecture of content	21
10.1.2	The architecture of a page	22
10.2	Setting up the folder structure	23
10.3	Workspace tools	24
10.4	Creating new pages and components	26
10.5	Uploading files	26
10.6	Import of content or metadata	27
10.7	Workplace Integration	28
10.7.1	Setup as a network drive	28
10.7.2	Synchronization of files	31
10.8	Sending files via e-mail	32
10.8.1	Send mail function	32
10.8.2	Integrate download links into an e-mail client	33
10.9	Editing objects	34
10.9.1	Editing pages and components	34
10.9.2	Editing multimedia files	36
10.9.3	Meta information of pages	52
10.9.4	Text, text options, and date fields	53
10.9.5	Electronic signature	57
10.9.6	Media	57
10.9.7	Links	58
10.9.8	Articles	58
10.9.9	Components	59
10.9.10	Geo location	60
10.10	Publishing pages and components	61
10.11	Removing pages and components	61
10.12	Copying, cutting and pasting pages and components	61
10.13	Search	62
10.14	Search and replace	67
10.15	Changing a template	68
10.16	Versioning of contents	69
10.17	Page and asset information	71
11	Legal reference / flag	74
11.1	Questions and suggestions	74
11.2	Imprint	74

11.3 Legal information	74
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1 Introduction

The hyper Content & Digital Asset Management Server is an out-of-the-box Content and Digital Asset Management solution for internet-, intranet- and extranet-projects. It offers simple handling as well as high-end performance and enables your company to manage the entire content lifecycle with ease.

2 Architecture and functionality

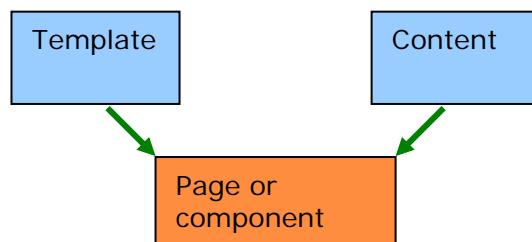
The main purpose of the system is the management of all kinds of information. The system serves therefore a Content Management and Digital Asset Management solution.

The core elements are structure, content, and design, which are stored separately from each other. This architecture provides high flexibility and efficiency in managing contents.

The structure is based on folders and can be generated, extended and changed using a simple web browser. The objects are stored inside these folders.

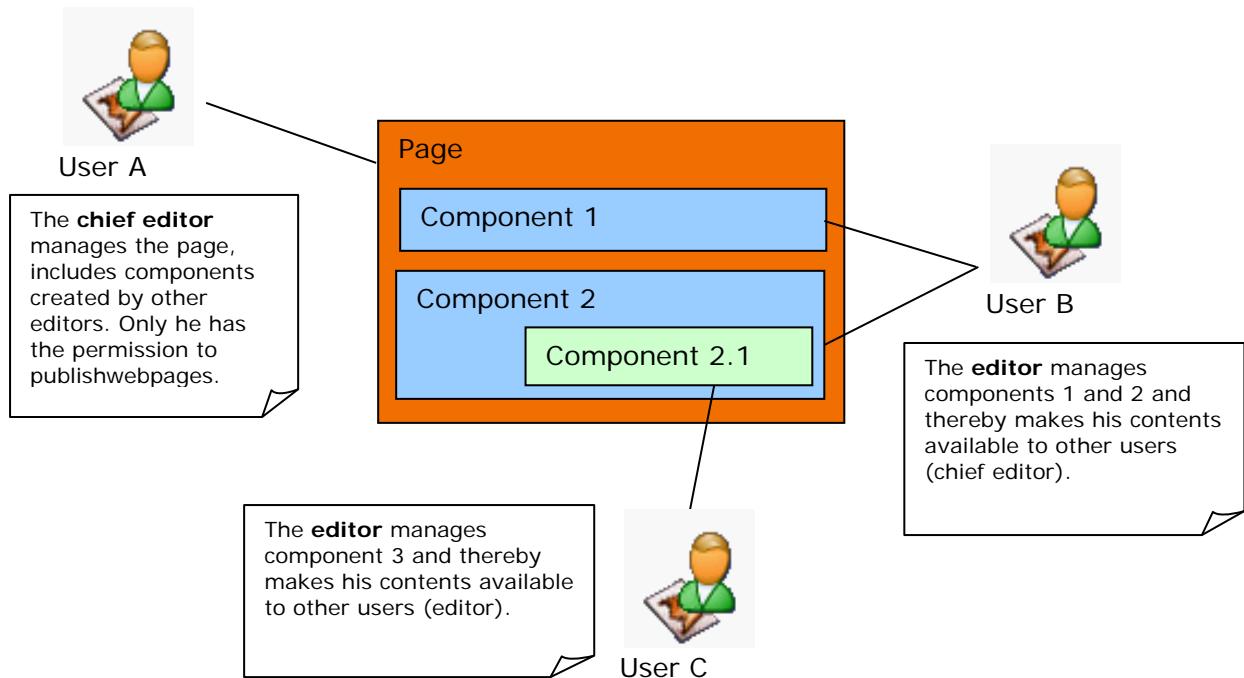
The design of a webpage is defined by templates, where as the content (text, images,...) is stored separately. All links between the single pages are constantly checked (link management), that's why dead links can never occur.

Changes in content of pages and templates are tracked and monitored by a version management system, which allows you to undo all changes in content at any time.



The asset or component management allows you to assemble pages from components. Components are managed separately from the pages, but have the same properties and can be reused in any other page. For example, you could create a piece of text once and reuse it in as many pages as you like.

The component concept provides high flexibility and allows setting up workflows based on your authorization concept.



The personalization of contents allows the representation of components based on a visitors profile. This can be done actively based on preferences (active personalization) or passively by tracking the users behavior on a website (passive personalization). The session management monitors the preferences or the behavior of the users and automatically shows components matching their user profile.

3 Introducing the user interface

The user interface of the system is called Dashboard. It is the workspace for all users, administrators, designers, site managers, and editors. The appearance of the user interface can be changes by using design themes.

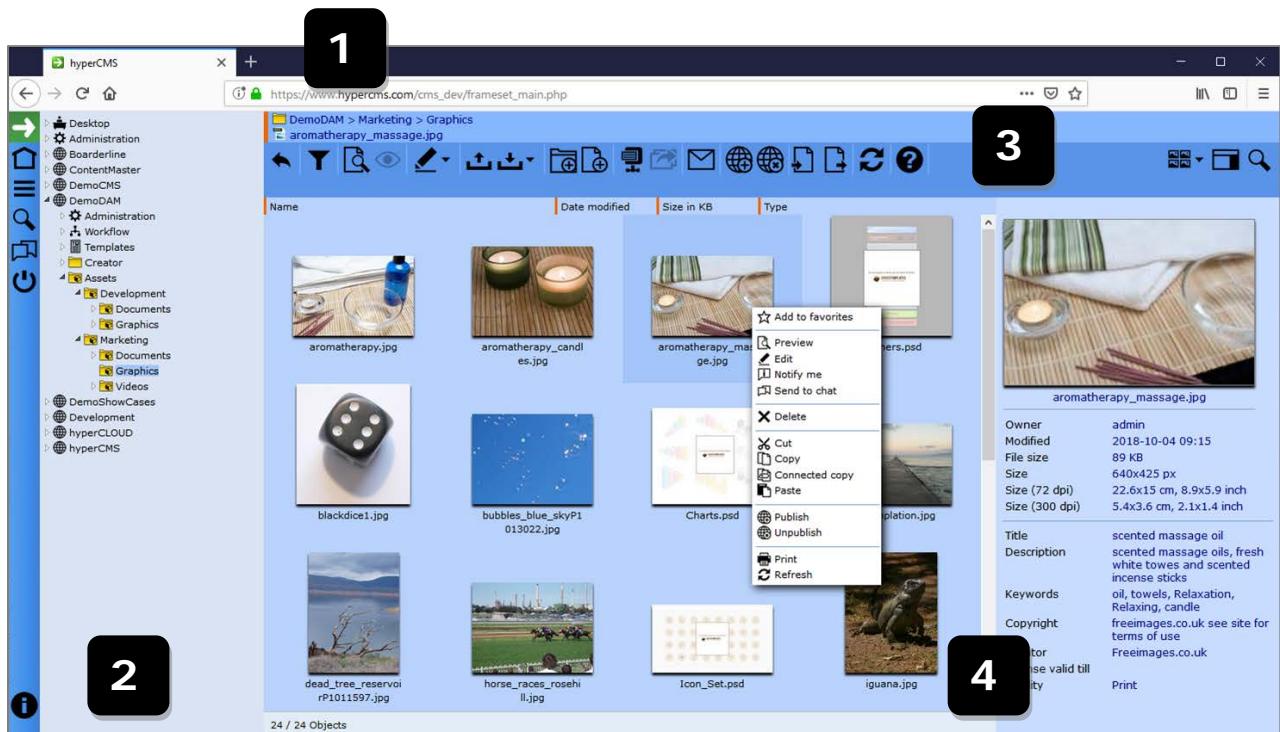
Different users might have different permissions assigned by the Administrator. Designers have access to templates. A site manager administers the structure. Editors create and manage content.

This system enables organizations to assign certain tasks to dedicated users and to split competences according to their organizational structure or individual needs.

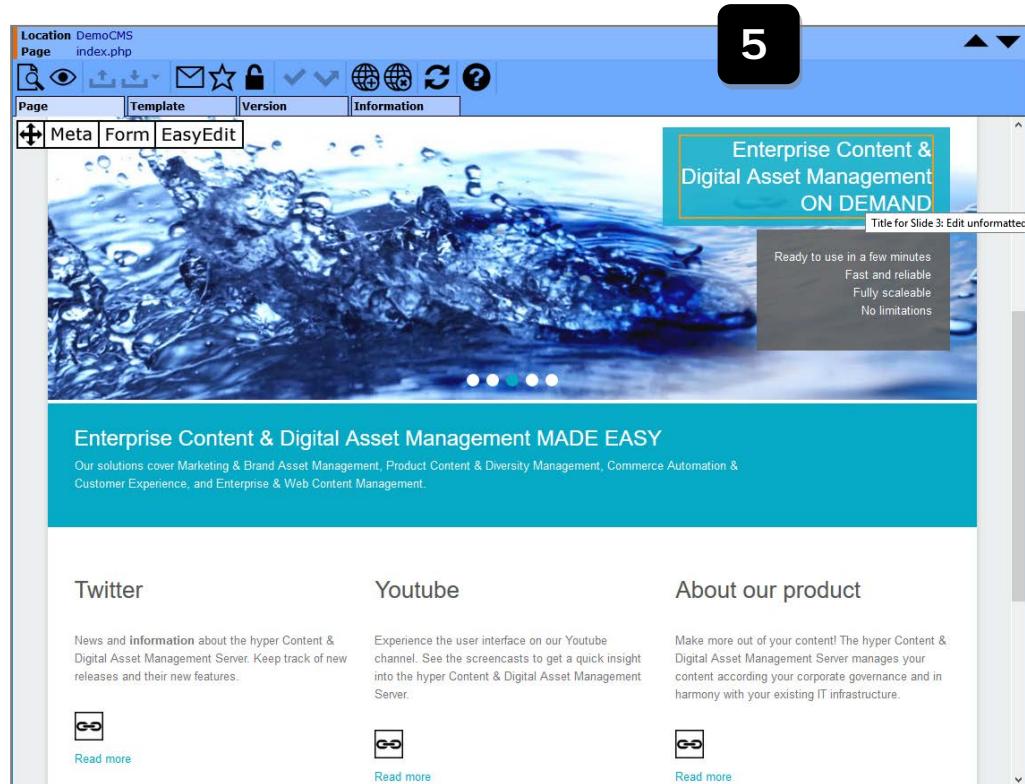
The user interface is completely browser-based and does not require the installation of additional software.

A brief overview of the essential parts of the user interface:

- [1] As **Browser** Internet Explorer, Firefox, Chrome, Safari, Opera or others can be used. The system supports mobile devices, is 100% browser based, so no additional software is required.
- [2] The **Navigator** provides access to all functions and is always visible. Depending on the permissions assigned to a user by his group membership, one can access certain functions.
- [3] The **Workspace Control** offers a tool bar to apply actions to objects.
- [4] The **Workspace** provides additional information and actions regarding the chosen element(s). It acts as an object navigator and shows object in list or thumbnail view, similar to a file manager.



[5] After choosing an object in the workspace it can be opened and edited in **EasyEdit** which is a WYSIWYG-Interface (What You See Is What You Get). By one click the same content can also be edited in a form.



4 Login form

Using the system requires a standard web browser. The recommended minimum screen resolution is 1024 x 768 pixels for desktops or notebooks. The mobile edition of the system will be presented on all mobile devices automatically.

To access the system, open your browser and enter the address (URL) of the location, where it is installed (e.g. <http://www.yourdomain.com/hypercms>). Then the login form is displayed where you have to enter your username and password.

After logging in successfully you can access one or more publications or sites. Depending on your role (=rights assigned to your user) you can use the miscellaneous functions of the system. All available functions are displayed in the Navigator.

Please note that when Single Sign-On (SSO) is activated, your Windows user is required to log on. In this case, the system's multi-factor registration is used. This means that after you have provided your username, you will receive an e-mail with your temporary password, which you have to enter in the second step of the authentication.

5 Navigation

After logging in successfully the top navigation bar, the navigator, and the home screen will be displayed.



The top navigation bar provides access to:

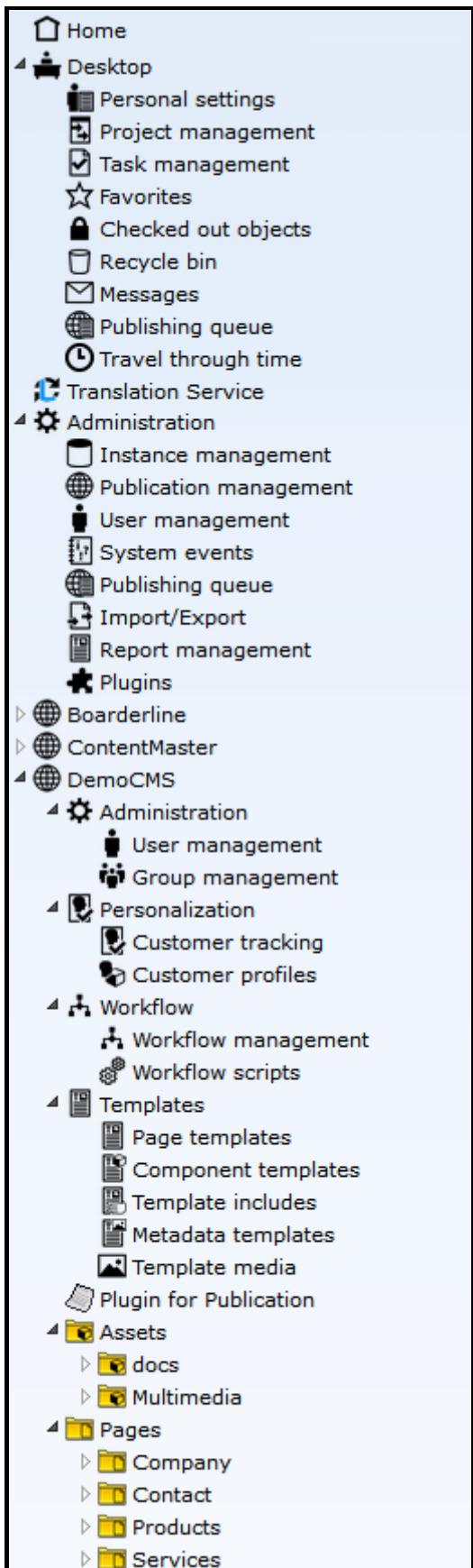
- Home screen
- Navigator
- Search
- Chat
- Logout
- User information (user name and date and time in the users time zone)

The navigator in the left sidebar provides access to your workspace, where you can create, edit, and remove objects.

The main tree nodes can be expanded. By clicking the name or symbol you can open the menu tree and access the functions inside.

The range of available functions depends on the rights assigned to your user. This assures that persons assigned to a certain function can only call actions, which refer to this role. The designer e.g. can only access templates and template media. The designer can create new templates for the editors but does not have the permission to create pages or manage users. The editors again only have the permission to change the contents of the websites assigned to their role, but are not allowed to create templates and change the design of the website.

If you own full administration permissions (which means that you have unrestricted access to all functions) the navigator displays the following elements:



Home (only Mobile Edition):

Homepage with general information.

Desktop:

Manage your personal information, e.g. change your password.

Access to the project management.

Your tasks are listed chronologically in the task list and you can manage the task you assigned to other users.

Access to the management of favorites.

You have access to all your checked out objects/items, your sent messages, and you can inspect the publishing queue.

The travel through time feature makes time journeys in your websites possible.

Optional Plugin (Translation Service Plugin)

Main Administration (see Administrators Guide for details):

Here you can create, edit and remove publications and users and view the event log (server installation only).

Configuration of Plugins.

A publication includes:

Administration (see Administrators Guide for details): Create, edit and remove user and user groups and view the event log (server installation only).

Personalization (see Personalization Guide for details): Create and define user tracking and customer profiles for personalized representation of contents.

Workflow (see Workflow Guide for details):

Create and define workflows and workflow scripts for creating automated workflows and publishing processes.

Templates (see Template Designers Guide for details): Manage templates for pages, components, meta data and template related media files.

Optional plugin of a publication (Test Plugin)

Taxonomy:

Display of the taxonomy structure and the assigned objects, in case the taxonomy is enabled for the publication.

Assets:

Create, edit and remove folders, components and multimedia files. Components are self-contained elements, which again can be included into pages.

Pages:

Navigate through the structure of your website. The objects inside the folders are pages or files.

The detailed search in the left sidebar gives you numerous possibilities to search for content in the system:

- Filter for publication or location
- General search (fulltext search)
- Advanced search for values in fields
- Search and replace
- Keyword
- Search for file types (audio, components, documents, images, pages, videos)
- Search for media based on their properties
- Geographical search
- Modified date search
- Search for the ID of objects
- Search for recipients of objects
- Saved search parameters

Publication

select all

General search [+/-]
Search expression 🔍
 only object names

Advanced search [+/-]

Keywords [+/-]

File type [+/-]

Media [+/-]

Geolocation [+/-]



Google Kartendaten © 2020 | Nutzungsbedingungen

S/W coordinates

N/E coordinates

Last modified [+/-]

Object-ID / Link-ID [+/-]

Recipient [+/-]

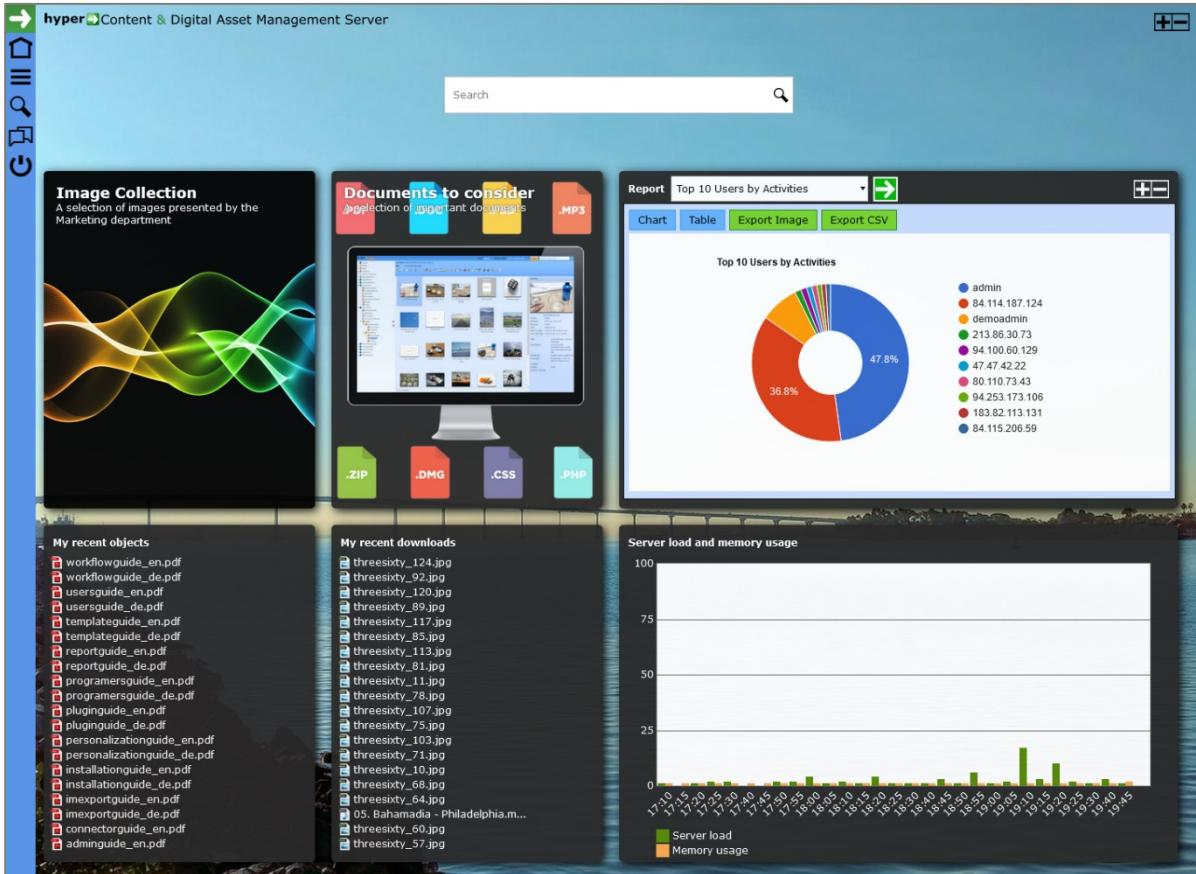
Save search [+/-]

Search

The following chapter describes all functions of the desktop in detail. You will learn about all functions (e.g. defining new structures, creating new pages, managing content) and the connection between the Navigator and the desktop.

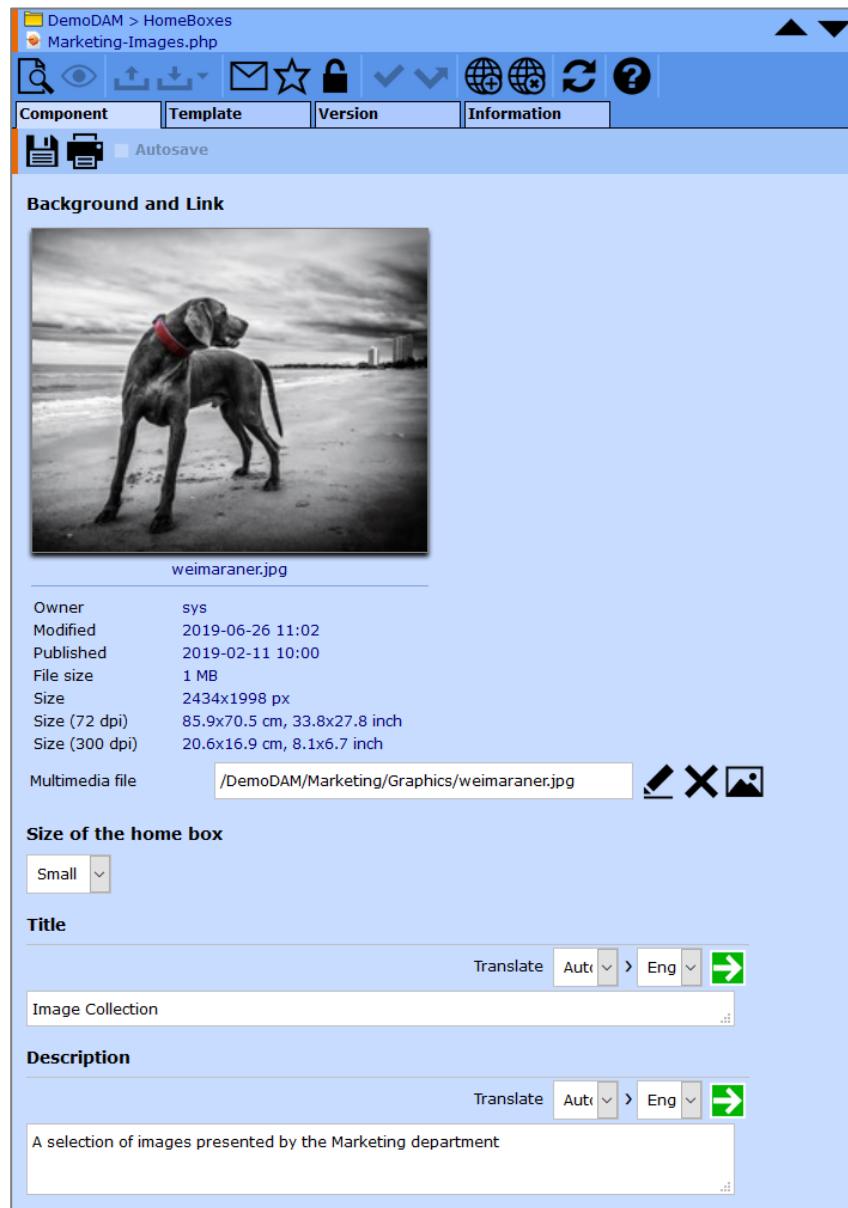
6 Home

The Home page will be displayed after the logon. It provides various information that can be defined by the user (plus-minus-icon top right) or managed centrally. The information boxes will display news, the recent edited objects of the user, the latest tasks of the user, and usage statistics.



In addition to the standard information boxes of the system, individual information boxes can also be created, if this is made possible in the main configuration of the system, see setting \$mgmt_config['homeboxes_directory'] = "HomeBoxes".

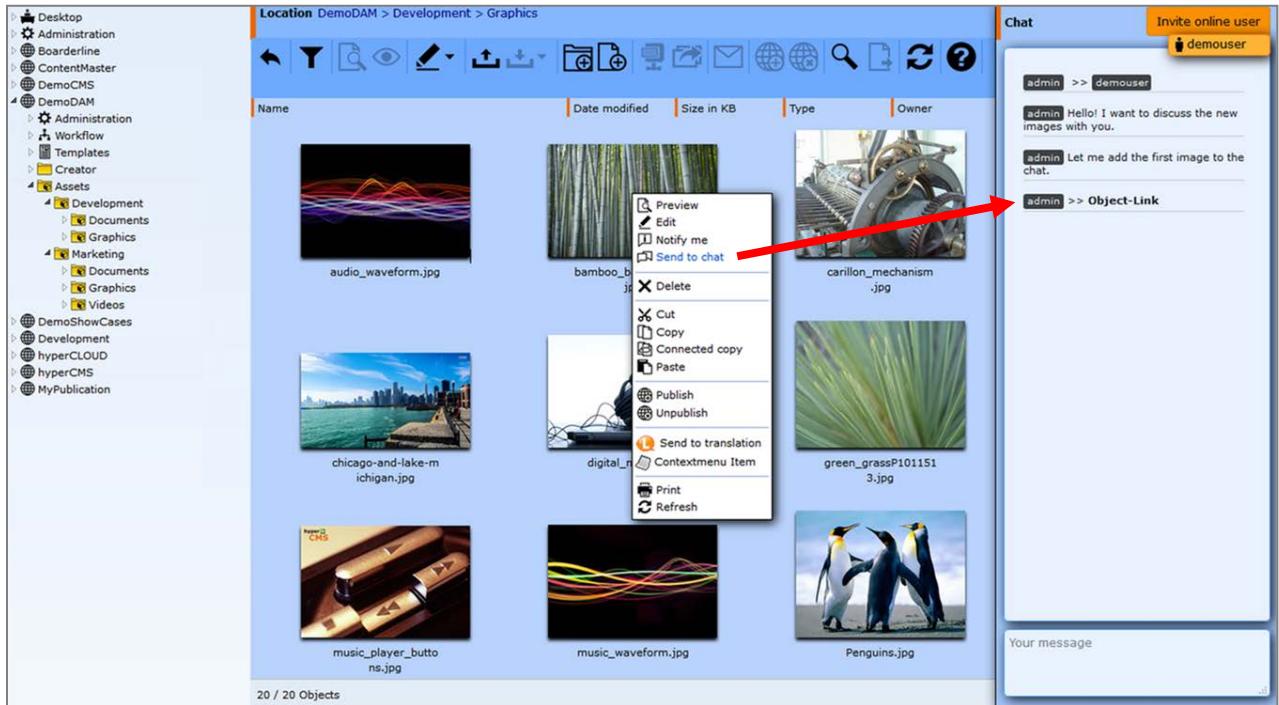
The directory or folder defined in the setting must exist for the storage of the individual information boxes under "Assets". After that, any number of new boxes can be created in this folder using the "System-HomeBox" template. The information of the box includes a title, a description, and a link to an image that simultaneously provides the link to the position of the image and all the objects in it. A newly created box is available to all other users of the publication after its publication. The users can select the new box on their home page.



7 Chat

The chat enables the user to communicate with other online users. Besides the text based communication, also objects can be added/sent to the chat by using the context menu. The other participants can open the object by clicking on the provided link.

Other online users can be invited to the chat. The chat window will then be opened automatically for those users.



8 The Desktop – Your personal area

The personal Area, represented through your username in the navigator, includes your personal settings, such as name, password and e-Mail-address and your task list.

8.1 Personal settings

By clicking the „personal settings“ icon in the navigator you can access your personal settings:

The screenshot shows the 'Personal settings' interface. On the left is a sidebar with a tree view of the system structure:

- Desktop
 - Personal settings
 - Project management
 - Task management
 - Favorites
 - Checked out objects
 - Messages
 - Publishing queue
 - Travel through time
- Administration
 - Boarderline
 - ContentMaster
 - DemoCMS
 - DemoDAM
 - DemoShowCases
 - Development
 - hyperCLOUD
 - hyperCMS
 - PartnerPortal

The main panel is titled "Settings for user: ckent". It contains the following fields:

- Change password
- Confirm password
- Hash for OpenAPI: 712ea9d771f7099:aa6d771f7099a67e
- Name: Clark Kent
- E-mail: clark.kent@superhero.com
- Phone
- Signature: Superman
- Language: English
- Time zone: America/New_York
- Theme: Blue

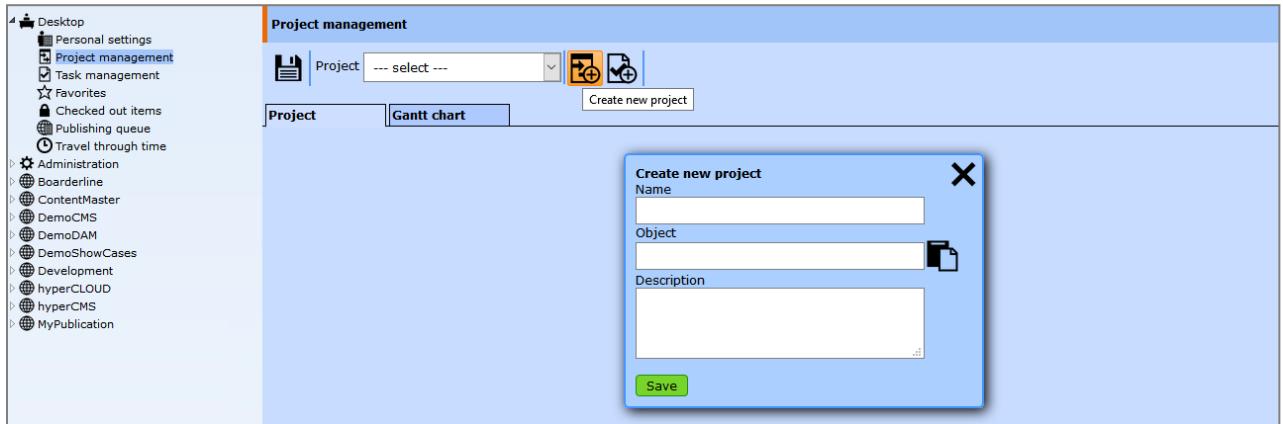
At the bottom is a "Save settings" button with a green arrow icon.

Here you can change your password (Don't forget to confirm it!), your name and your e-Mail address.

In addition you can find a list of available languages in this area. After changing the language of the interface and refreshing the page the entire dashboard is changed to the selected language.

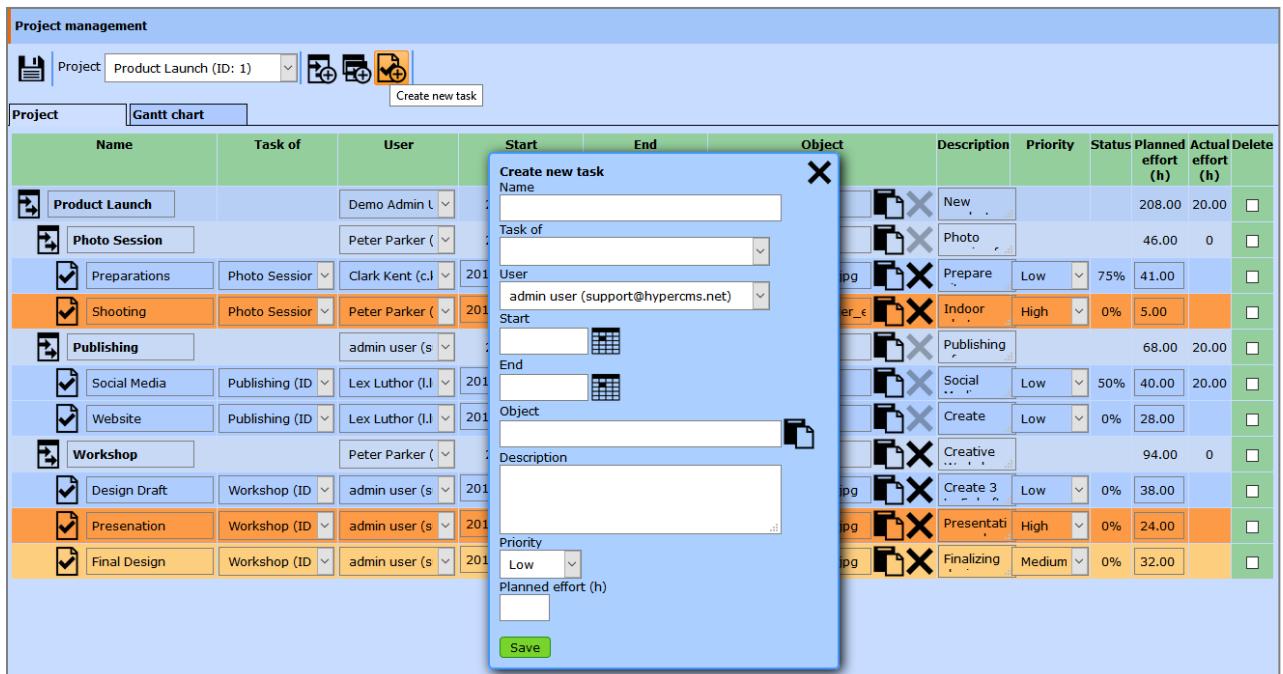
8.2 Project management

With the help of project management, project managers can plan and monitor projects. The first step is to create a new project, which is done by clicking the button named "Create new project". In addition to the project name and an optional short description, a previously copied object (folder, page or asset) can be inserted. For instance, this can be a folder with the project documentation.



A project can have multiple subprojects, the process is similar to creating a new project. Again you can assign any object to the subproject.

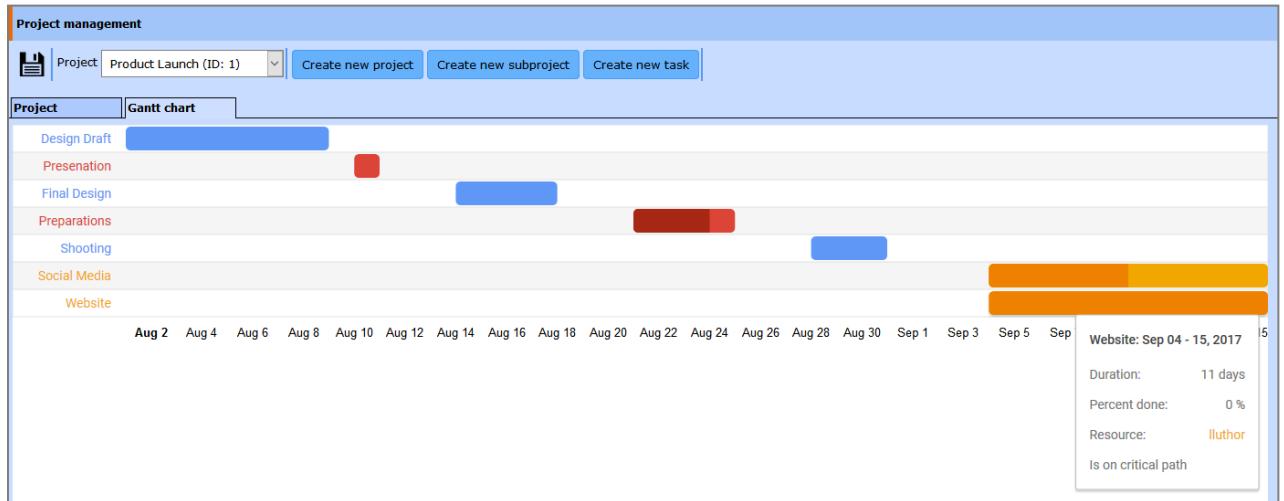
The creation of new tasks requires more, however, optional entries. In order to monitor the project in the context of project management, a user should be assigned, a start and end date, and the planned workload should be defined. The priority is the importance of the task and will also color-coded as background of a task.



In the tabular display, you can change the grey framed values at any time. Do not forget to save the changes of the project using the save button.

The work progress and the time invested in the project and subprojects will be presented as well in the tabular representation of the project.

The Gantt chart displays the tasks and their work progress also graphically.



The task management performed by the project participants is an essential part of the project management. It allows the project members to manage the tasks assigned to them and to report the status of work.

8.3 Task management

In task management you can view all tasks assigned to you, create new tasks, and manage the tasks which you have assigned to other users. Tasks are also created automatically by the system in case of certain system or workflow events. When a user removes the page or component that you referred to in one of your objects, the hyperlink in your pages will be deactivated and you will be notified automatically.

Tasks can also be assigned by users. For example, a manager can assign tasks to his employees and also link them to certain objects.

If the e-mail notification is activated in the system, each user automatically receives a message regarding new tasks and the completion of tasks.

Each task can be assigned one of three priorities: high, low and medium. The different priorities are color-coded in the task list. If the date of completion of a task is exceeded, it is displayed in a signal color.

All tasks are sorted chronologically by the earliest start date. The status of a task can be set in percent. The background color of the line indicates the priority level of a task (low, medium, high). If the end date of a task has been reached a warning color will indicate that. The finished tasks (100%) will not be displayed in the task list by default. Activating the checkbox of top of the page will show all tasks.

You can also set the time you spent working on the task in hours and minutes.

Tasks of a user in the first tab:



The screenshot shows the 'Task management' interface. On the left, there's a sidebar with links like Desktop, Personal settings, Project management, Task management (which is selected), Favorites, Checked out items, Recycle bin, Publishing queue, Travel through time, Administration, Boarderline, ContentMaster, and DemoCMS. The main area has tabs for 'My tasks' (selected) and 'Management'. A 'Show finished tasks' checkbox is checked. The table lists four tasks:

#	Name	From	Start	End	Object	Description	Category	Priority	Status	Actual effort (h)	Planned effort (h)
76	Final Design	admin user	2017-08-14	2017-08-18	aromatherapy.jpg	Finalizing design after review	user	medium	0%	<input type="button" value=""/>	32.00
75	Presentation	admin user	2017-08-10	2017-08-11	aromatherapy.jpg	Presentation and discussion	user	high	0%	<input type="button" value=""/>	24.00
74	Design Draft	admin user	2017-08-01	2017-08-09	aromatherapy.jpg	Create 3 to 5 drafts for customer	user	low	0%	<input type="button" value=""/>	38.00
115	Link management	System	2017-05-18		register.xhtml	There is a new task due to a broken link	link	medium	0%	<input type="button" value=""/>	0.00

Manage tasks assigned to other users in the second tab:

Task management											
<input type="checkbox"/> Show finished tasks Details Thumbnail gallery 											
My tasks		Management									
<input checked="" type="checkbox"/> All users	<input checked="" type="checkbox"/> Clark Kent	<input type="checkbox"/> Demo Admin User	<input type="checkbox"/> Demo CMS and DAM User	<input type="checkbox"/> Lex Luthor	<input type="checkbox"/> Peter Parker	<input type="checkbox"/> admin user					
#	Name	User	Start	End	Object	Description	Priority	Status	Planned effort (h)	Actual effort (h)	Delete
77	Social Media	▼	2020-10-08	2020-11-13		Social Media campaigns	Low	50%	40.0h	20.00	<input type="checkbox"/>
78	Website	▼	2020-10-08	2020-11-13		Create new product on	Low	0%	28.0h		<input type="checkbox"/>
73	Shooting	Peter Parker (p▼)	2020-09-28	2020-10-07		Indoor photo shooting	High	0%	5.00		<input type="checkbox"/>
72	Preparations	Clark Kent (info▼)	2020-09-21	2020-09-25		Prepare site	Low	75%	41.0h		<input type="checkbox"/>
76	Final Design	Demo Admin Us▼	2020-09-10	2020-09-18		Finalizing design after	Medium	0%	32.0h		<input type="checkbox"/>
75	Presenation	Demo Admin Us▼	2020-09-07	2020-09-09		Presentation and	High	0%	24.0h		<input type="checkbox"/>
74	Design Draft	Demo Admin Us▼	2020-09-01	2020-09-04		Create 3 to 5 drafts for	Low	0%	38.0h		<input type="checkbox"/>
151	Link management	admin user (su▼)	2019-03-16			There is a new task due	Medium	100%	0.00		<input type="checkbox"/>
149	Link management	admin user (su▼)	2019-03-16			There is a new task due	Medium	100%	0.00		<input type="checkbox"/>
25	Sales event video	Demo CMS and▼	2015-12-09	2015-12-11		Can you please upload	High	75%		2.00	<input type="checkbox"/>

0 - 10 Objects

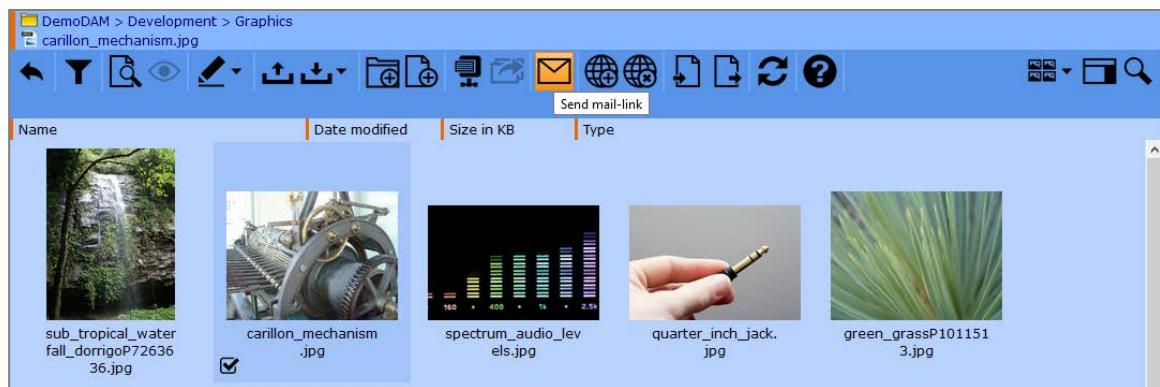
In addition to the detailed list view, a thumbnail gallery view in Kanban style is also available via the right button in the toolbar for both tabs. This view shows the tasks according to the phases "New tasks", "In progress" and "Done".

Task management											
<input type="checkbox"/> Show finished tasks Details Thumbnail gallery 											
My tasks		Management									
<input checked="" type="checkbox"/> All users	<input checked="" type="checkbox"/> Clark Kent	<input type="checkbox"/> Demo Admin User	<input type="checkbox"/> Demo CMS and DAM User	<input type="checkbox"/> Lex Luthor	<input type="checkbox"/> Peter Parker	<input type="checkbox"/> admin user					
To do				In progress				Finished			
<input checked="" type="checkbox"/> Website	<input checked="" type="checkbox"/> Shooting	<input checked="" type="checkbox"/> Social Media	<input checked="" type="checkbox"/> Preparations	<input checked="" type="checkbox"/> Link management	<input checked="" type="checkbox"/> Link management						
index.xhtml	hyperCMS-Folder_en.p...	index.xhtml	aromatherapy.jpg	calculator.xhtml	calculator.xhtml						
<input checked="" type="checkbox"/> Final Design	<input checked="" type="checkbox"/> Presenation										
aromatherapy.jpg	aromatherapy.jpg										
<input checked="" type="checkbox"/> Design Draft		<input checked="" type="checkbox"/> Sales event video									
aromatherapy.jpg		Videos									

0 - 10 Objects

Creating a new task manually:

To create a new task, use the “Send mail-link” function available from the tool bar in Assets or Pages.



Add one or more person's names to the receiver field to assign the task to users. Next check the “for the recipients with priority”- checkbox and select one on the three available priority levels. You can also define a start and end date for the new task.

Message: 3 objects selected

Recipients	User group	Settings
Send e-mail to		
<input type="text"/> Recipients Clark Kent X		
<hr/>		
CC (e-mail)		
<input type="text"/>		
BCC (e-mail)		
<input type="text"/>		
Subject		
<input type="text"/> Wrong font		
Message		
<input type="text"/> Please correct the font in the logo.		
<hr/>		
Send files as		
<input type="checkbox"/> Download link ➔ Download formats		
<input checked="" type="checkbox"/> Access link ➔ Download formats		
<input type="checkbox"/> Attachment ➔ Download formats		
<hr/>		
Download formats		
<hr/>		
Period of validity		
<hr/>		
Create new task		
<input checked="" type="checkbox"/> for the recipients with priority <input type="button" value="Medium"/>		
Start <input type="text" value="2019-02-26"/> <input type="button"/>		
End <input type="text" value="2019-02-28"/> <input type="button"/>		
<hr/>		
Send e-mail		
<input type="checkbox"/> on date <input type="text"/> <input type="button"/>		

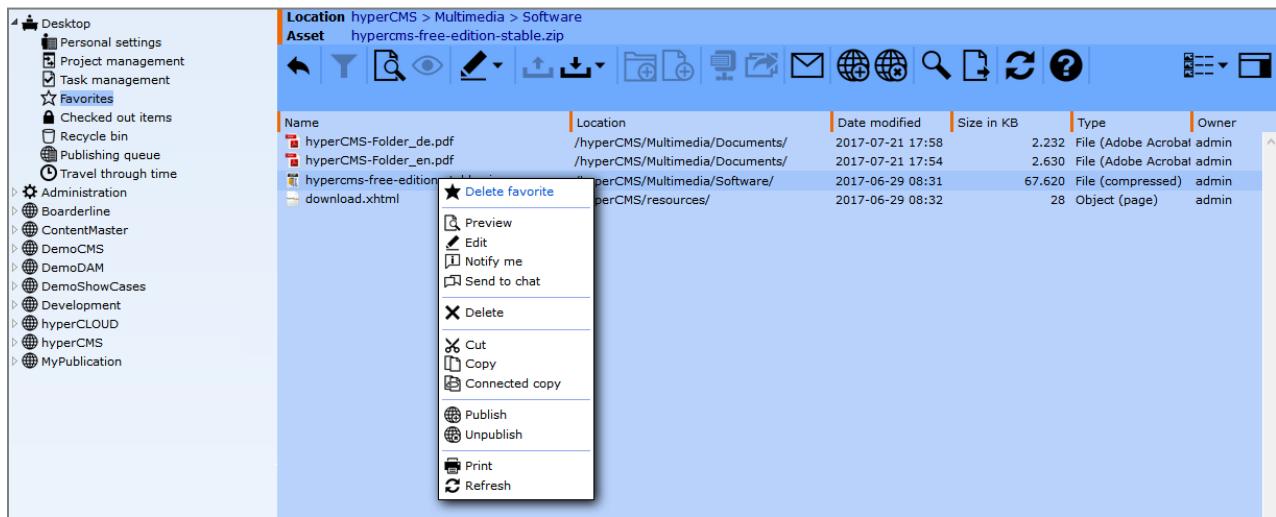
8.4 Favorites

If objects have been added to the favorites, they will be displayed in the list of favorites of the logged in user. This way, a user always has central access to all his favorite objects.

The objects can be removed from the favorites. To do so, select and right-click the respective objects to open the context menu and choose „Delete favorite“.

Objects which are opened for editing, can be added or removed from the favorites via toolbar actions.

By left-clicking an object with your mouse you can mark an object and handle it via the functions of the toolbar. Alternatively, you can handle objects via the context menu, which can be opened by right-clicking an object.

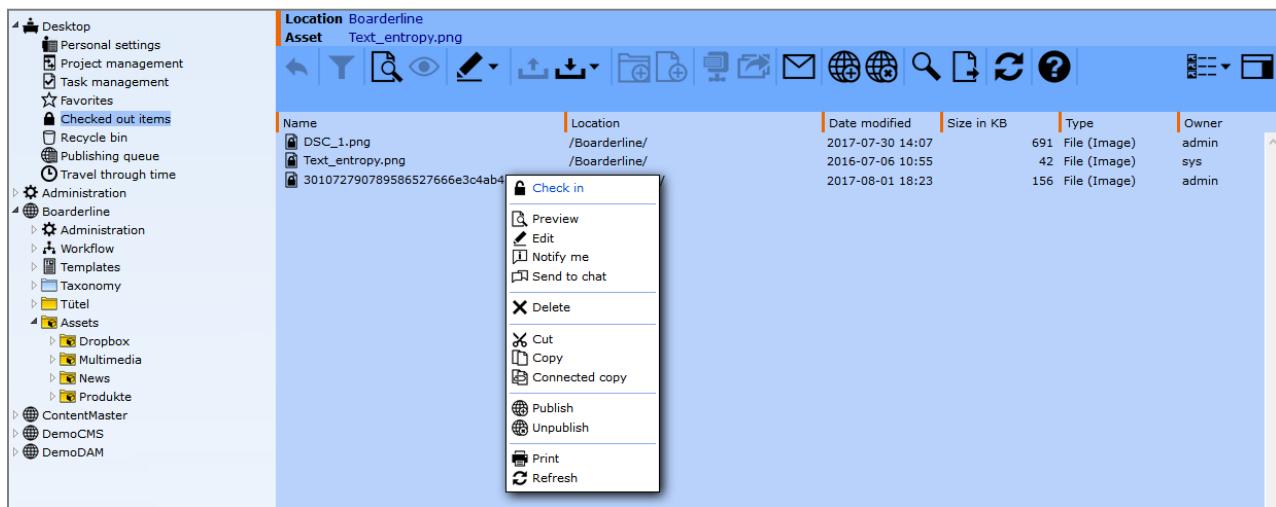


8.5 Checked out objects

If objects are checked out for exclusive editing, they will appear on the list as "checked out items". That way users always have an overview of the documents locked (checked out) and can check them in again to allow other users to edit them.

By checking objects in, others users will be able to edit them again. To do so, right-click the respective object to open the context menu and choose „check in“.

Objects, which are opened for editing, can be checked in or out via toolbar actions.



8.6 Messages

All sent messages of the user will be saved and displayed. The messages can be opened and reused again, and can also be removed. The search can be used to find messages. The search will look in the subject, the message body and the recipient user names.

Name	Subject	Recipient	Date	Action	Sender
Message	You left your cape	ckent	2018-05-18 07:39	sent	admin
Message	Please take your bat suit home	bwayne			admin
Message	Remarks reg Spot V3.1	pparker, lluthor			admin
Message	New images	pparker			admin

8.7 Publishing queue

All objects that are processed at a specific time are listed in the publishing queue. Should the processing not be desired anymore, e.g. the publishing of an object at a scheduled time, the object can be removed from the queue.

Name	Publication	Location	Date	Action	User
Skateboard_OK_1.php	Boarderline	/Boarderline/Produkte/	2018-05-30 00:00	publish	admin
Skateboard_MK_1.php	Boarderline	/Boarderline/Produkte/		publish	admin
Skateboard_MK_2.php	Boarderline	/Boarderline/Produkte/		publish	admin
Skateboard_OK_2.php	Boarderline	/Boarderline/Produkte/		publish	admin
Skateboard_UK_1.php	Boarderline	/Boarderline/Produkte/		publish	admin
Skateboard_UK_2.php	Boarderline	/Boarderline/Produkte/		publish	admin
logo-web.png	ContentMaster	/ContentMaster/Scrub/Logo/	2018-09-28 00:00	publish	admin

8.8 Recycle bin

If the recycle bin is activated in the system, all deleted objects are first placed in the recycle bin. Deleting objects in the recycle bin will finally delete them from the system. Objects can also be restored from the recycle bin. Use the context menu to restore objects or to empty the recycle bin (all objects will be deleted).

The system automatically empties the recycle bin after a defined number of days.

Name	Location	Date modified	Size in KB	Type	Owner
video.mts	/Boarderline/	2016-09-07 10:44	25.320	File (Video)	admin
test	/Boarderline/Multimedia/	2013-06-07 16:07		Folder	admin
logo	/Boarderline/	2016-07-06 10:55	7	File (Macromedia Fl sys)	

8.9 Travel through time

This function of the hyper Content Management Server makes time journeys possible. Content and design can be controlled separately from each other. Just select a destination date for the time journey and travel through your publications as if you were in the past. The online publications will remain unaffected by this time journey.

The screenshot shows the left sidebar of the hyper CMS interface. Under the 'Desktop' section, there is a link to 'Travel through time'. The main content area is titled 'Travel through time' and contains the following text:

Here you can start your journey into the past! hyperCMS automatically stores all versions of content and design (templates). Therefore you can set a desired destination date for your journey for the content and the design. After you set the date, switch back to the pages of your publications and you will see the online presentation in the past. Now start your journey...

Below this text are two sets of date selection fields:

	Year	Month	Day
Show the content online on	2003	01	01
Show the design online on	2015	01	01

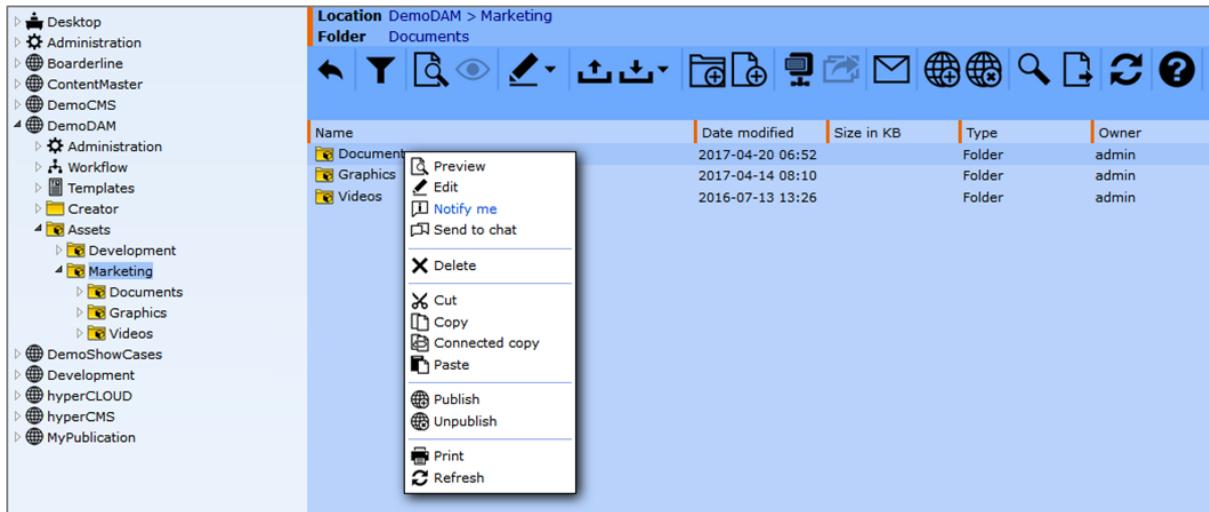
Below the date fields are two buttons:

- A green button labeled 'Set date for the journey'
- An orange button labeled 'Clean date / exit'

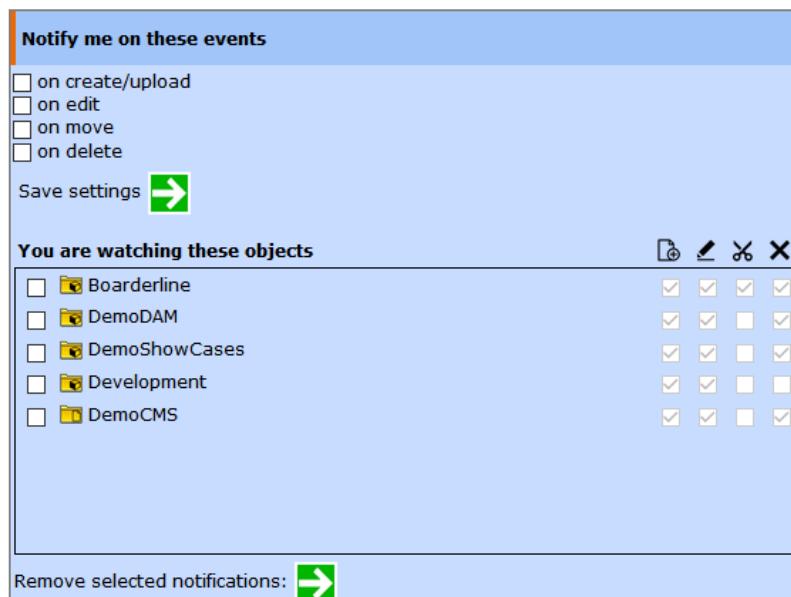
9 Automatic notifications

If you want to be notified as soon as a certain object has been changed, created, moved or deleted you can define an alarm using the notification feature of the system.

To do so right-click on the object to be monitored and select "Notify me".



A new popup will be displayed where you can define which actions should be monitored. This popup also shows you a list of all objects currently monitored by your user.



10 Managing content

A website is an optical and/or acoustical presentation of content in a structured form.

We have to keep these 3 elements in mind:

- Structure
- Design
- Content

The structure defines the information layout, the design defines the appearance and the content consists of the actual information displayed (text, images, videos, links, etc.).

10.1 The basics of content management

10.1.1 The architecture of content

In order to organize content, folders are the first step to provide some basic categorization.

To organize large amounts of data and information in a structured way it is recommended to use folders, just like in any other file management system (e.g. Windows Explorer). You can arrange the content systematically by using folders, for example by subsidiaries (different languages), by business units (marketing, product management, ...) or by products.

You can also change existing structures as well by moving or renaming folders.

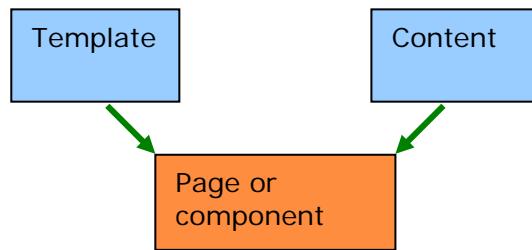
The link management system monitors all changes in structure and updates references automatically. You don't have to edit the links used in the pages manually after changing their location on the publication. The system provides highest flexibility and enables you to quickly respond to changes inside your organization.

Another important point regarding architecture is the distinction between the management environment and the live-environment. When an editor changes the content of a webpage, the changes do not affect the content of the live-system (the website as it is shown to the visitors) until the page is published. A page can be unpublished as well, which means that it remains in the management environment, but is no longer visible on the live-system and other editors cannot set links to this page.

10.1.2 The architecture of a page

The following information targets the editors of web pages. The same principle is also used to manage multimedia content (files) but it is not of relevance for users regarding Digital Asset Management.

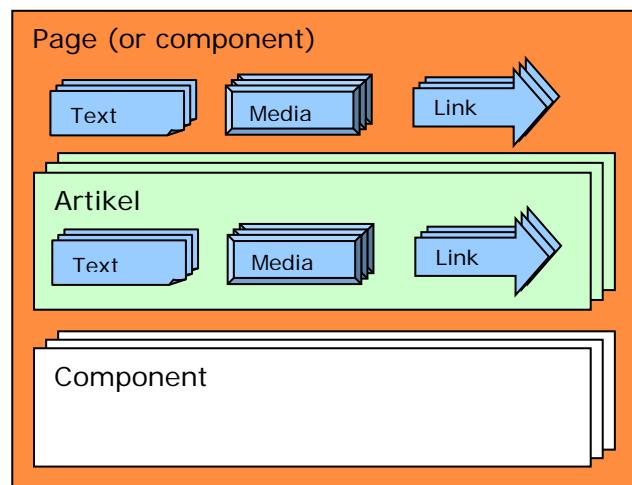
When an editor creates a new webpage they can choose a name for the page and a template. The template defines the design and the editable elements of the page as well as the structure of the content, which is assigned to the page as an XML object. A page or a component is defined by its content (XML-Format) and its layout (template).



A page can consist of multiple elements, which can be manipulated by an editor. Elements can be plain text, images, hyperlinks and components. But also articles can be defined within this page, which again consist of the same elements.

Elements underlie additional management. According to this, articles can be set active, inactive or managed by schedule.

A page can include one or more components. Components behave just like a page and consist of the same elements but are managed independently from the content structure. Components are displayed on the website when embedded into a page.



Components offer high flexibility in managing a website. They are created separately from the actual page and managed independently and integrated into a page dynamically. Therefore components can be integrated in as many pages as you like without causing redundancies.

Example: An editor wants to include contents of other editors into his page. He cannot edit contents managed by other editors but he can include their contents into his own. Thereby he doesn't have to edit these contents since the actual author updates them. If an author deletes a component it will be removed automatically from all pages where it was included. In this case an editor receives a message with a notification that the component has been removed, which allows him to set appropriate action.

Components cannot only be embedded into pages, but also into other components.

10.2 Setting up the folder structure

Speaking about Content Management, we have the management of a website in mind which consists of pages and folders. With the Digital Asset Management, the multimedia files and component folders are most important.

Pages and components are treated independently from each other but can go together in website projects.

Before the definition of your project, you should plan its structure in detail. Especially in large projects requiring multilingual contents and a persistent corporate design, structuring the contents is important. You should take your time to plan the project before taking any further actions.

Think about the chapters in a book. To manage contents and information effectively, it is important to set up a well-engineered structure. You divide all contents into categories to find them easily at a later time. The single pages of the website represent the content. They are stored in folders, which are comparable with the chapters of a book.

The structure build by the use of folders is not only important for the categorization, but also for access control. The user access permissions are also based on these folders.

Setting up a component structure is identical to building a page structure. Component structures are commonly used by Digital Asset Management, while page structures are used for website projects.

The following explanations apply to pages and assets/components.

To access the content of your website choose the respective menu item in the navigator. All folders that comply with your access permissions are displayed in the menu tree. Like in a file manager you can now browse through the website and access the single pages. The „back“-button ↺ takes you back to the parent folder. When you click the folder symbol 📁 all contained subfolders and pages are displayed.

While browsing the site the current path (=your position) is displayed in the workspace bar as well as description of the currently chosen object (folder, page or any other file). Below you can see the toolbar, which gives you access to all available actions associated with the selected object. The number of available actions depends on your permissions.



10.3 Workspace tools

Browsing the component- or site structure of your publication the workspace control always displays your current position and the selected object (folder, page or component). Below the path display you can find the toolbar with offers multiple functionalities.

Depending on your permissions and the properties of the selected element (folder, page,...) the icons in the toolbar are set active or inactive.

With the help of the context menu of the column headers in the detailed view you can define the information or columns for the list of objects:

The screenshot shows a software interface for managing files. At the top, there's a blue header bar with a folder icon and the path 'DemoDAM > Marketing > Graphics'. Below the header is a toolbar with various icons for file operations like search, filter, copy, move, and preview. The main area is a table listing files. The columns are 'Name', 'Date modified', 'Size in KB', and 'Type'. A context menu is open over the 'Type' column, listing options like 'Date created', 'Date modified', 'Published', etc. The table contains the following data:

Name	Date modified	Size in KB	Type
1-your-comfort-zone-where-the-maç	2020-04-11 10:06	101	File (Image)
360-storytelling-vr.png	2020-04-11 09:08	1 408	File (Image)
360tunnel.jpg	2020-04-11 10:28	550	File (Image)
Adria-Schwefelschwamm-2.jpg	2019-09-02 15:26	180	File (Image)
aromatherapy.jpg	2019-09-07 09:29	81	File (Image)
aromatherapy_massage.jpg	2019-09-23 14:46	89	File (Image)
Banners.psd	2018-02-02 17:54	2 130	File (Image)
big-wave.jpg	2020-04-23 14:26	181	File (Image)
blackdice1.jpg	2019-04-25 08:28	224	File (Image)
bubbles_blue_skyP1013022.jpg	2020-04-12 18:25	413	File (Image)
Charts.psd	2019-09-02 16:14	7 560	File (Image)
contemplation.jpg	2020-04-23 14:28	638	File (Image)

You can also change the column width with the mouse or you can sort a column by clicking on the column header.

Symbol	Explanation
	Go to parent folder
	Filter for file-types
	Preview the selected page or component
	Live-view of the selected page or component based on the current publication
	Create a ZIP-file including the selected multimedia files
	Extracting the contents of a ZIP-file (a folder with the name of the ZIP-file will be created)
	Send an e-mail including a link to a folder or an object to an existing or new user of the system. This function is primarily used for Digital Asset Management, to allow external users to access multimedia files.
	Send link to a folder or object to the chat
	Create a new folder. An input field is displayed in the workspace control, which requires setting a name for the new folder. After confirming by clicking „OK“ the folder will be created as a subfolder on your current position (path).
	Create a new page or component. Choose a template and enter a name for the new object. After clicking „OK“ the new element is created and ready for further editing.
	Edit the selected page, asset, or component
	Rename an existing object or folder. Enter the new name in the input field and click „OK“ to save the new name.
	Removing the selected object (folder, page, component or any other file). After clicking „OK“ the file will be removed from the folder.
	Cutting the selected object (page, component or any other file). After clicking this button the selected object is available in the clipboard and can be pasted into any other location.
	Copying the selected Object (page, component or any other file). After clicking this button the selected object is available in the clipboard and can be pasted into any other location.
	Copying the selected object (page, component or any other file) with a reference to the content of the object (bound copy). If the content of the original file changes, the content of all bound copies changes automatically. After clicking this button the selected object is available in the clipboard and can be pasted into any other location.
	Pasting an object (file, component or any other file). Copied or cut files are pasted from the clipboard to the current location.
	Upload a file from your hard drive. Select a file and click „OK“. The file will be stored in your current position (folder).
	Download of Multimedia files
	Checking out and locking a page or component for exclusive editing
	Checking in and unlocking a previously checked out page or component
	Accepting contents after review and forward it to the next instance in the workflow
	Rejecting contents and sending them back to a defined instance in the workflow
	Publish the selected page or component. After publication the object is available online and other users can link or integrate it.
	Unpublish the selected page or component. After clicking this button the object is no more available online. All links to this object are removed automatically.
	Search in current location
	Upload a CSV file for the import of metadata/content for objects in the same location
	Export all data of the selected objects
	Refresh view
	Access help
	Change from detailed list view to different sizes of the thumbnails view
	Activates the sidebar which displays a preview of the selected object on the right border of the explorer

10.4 Creating new pages and components

Use the navigator to get to the location in the folder structure or component structure where you want to create a new object. Now you can create a new page or component using the toolbar as explained in the table above. Select a template and a name for the object and click „OK“ to create it. The object is now displayed in the workspace but is not yet online, which is indicated by its greyed out icon. Until the object is published it is not available in the live-environment. Therefore other users cannot link this object or integrate it into a page.

10.5 Uploading files

Files of all kinds, like images, videos, office documents, can be uploaded using the file upload manager. The files will be stored in the system at the chosen location. The multimedia asset not only represents the file and a preview, but also meta information.

Depending on configuration of the system, a user can upload local files, files stored in a Dropbox account or from FTP servers.

For mass uploads, also compressed files (ZIP-files) can be used. If the checkbox (uncompress file) is activated, the uncompressed content of the file will be extracted. Folder structures, files of and the meta information of files will be saved.

The system will look for file duplicates if the option "Check for duplicates" is enabled. If duplicates of the same file will be found, the system will warn the user. Then it is up to the user if this option will be disabled and the same file will be uploaded again to the system.

Uploaded files can be automatically removed again on a certain date and time. These objects will be shown in the publishing queue of the system.

Video files will be converted to small streaming videos for preview purpose. Thumbnails of all kind of image formats will be created. The content of PDF and MS Word documents will be indexed for the search in text based content.

The multimedia files can be linked to or directly integrated into a page or component as image, flash movie or video file.

Upload files to location: /DemoDAM/Marketing/Graphics/

IMG_20170106_105741786.jpg	1 MB	<input type="text"/>
IMG_20170106_105511957.jpg	1 MB	<input type="text"/>
IMG_20170106_105446660.jpg	1 MB	<input type="text"/>

0 file(s) uploaded

Uncompress files (Existing objects will be replaced!)

Resize images (GIF, JPEG, PNG) by percentage of original size (100%) %

Check for duplicates

Remove uploaded files on

 You can drag & drop files into the window

10.6 Import of content or metadata

If you want to import content or metadata, you can provide a CSV (Comma Separated Values) file. It is important that the CSV file provides the name of the object or the Container ID as the first column title and the content IDs used in the templates for the content identifier as column titles. Most likely you will have the file name and not the unique container ID that the system will create whenever a new object is created.

This is an example of the metadata definition in a metadata template. This has been defined by a user with permissions to create and edit templates in the system.

Keep in mind that each content or field is defined by an ID, e.g. id='Title'. You can provide the "Title" by typing it in the corresponding field or by the import of the content stored in a CSV file.

Metadata template definitions:

```
[hyperCMS:textu id='Title' label='Title' infotype='meta']
[hyperCMS:textu id='Description' label='Description' infotype='meta']
[hyperCMS:textk id='Keywords' label='Keywords' infotype='meta']
```

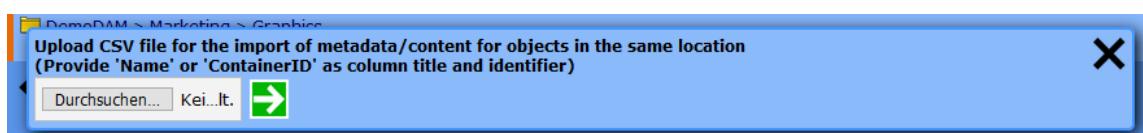
The CSV file need to have the following structure:

Name;	Title;	Description;	Keywords
"flowers.jpg";	"Red roses";	"A field full of red roses";	"Roses, Red, Flowers, Field, Nature"

Locate the objects in your system and click on the import icon in the task bar.



Now you need to provide the CSV file.



After the import you should see the imported content in the fields of the objects.

10.7 Workplace Integration

To use the Workplace Integration, the corresponding module must be installed on the server. Note that the Free Edition does not include this module.

10.7.1 Setup as a network drive

The Workplace Integration enables you to manage multimedia files directly from your local file manager.

The WebDAV-standard allows users to edit files, e.g. Adobe files or MS Office documents directly. This way, files can be opened, edited and saved like they are in the local file system. The download of the file for editing and the upload is not necessary, since the file can be saved directly in the application. Copy, cut and paste is also supported.

In addition, virtual download (name-dl.htm) and access link files (name-dl.htm) can also be provided, which can be included as attachments in e-mail messages, e.g. in MS Outlook. This way the file will not be attached in the e-mail, instead a link for downloading or accessing the file will be included. This setting must be enabled in the respective publication, see Administrators Guide.

Attention: Please note, that the file manager may create a new file and remove the original file when copy and paste is used. This means that the history/versions of the pasted file will be lost!

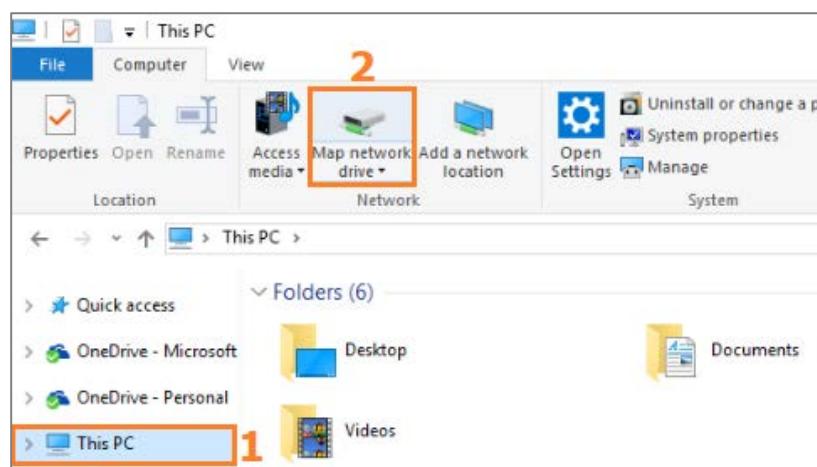
Integration in a file manager:

If the system was configured for the WebDAV access, the system can be integrated in a standard file manager, e.g. MS Windows Explorer, as a network drive to gain access to all files.

Please keep in mind that not all functionalities of the browser interface of the system are available.

WINDOWS 10 Explorer – How does it work?

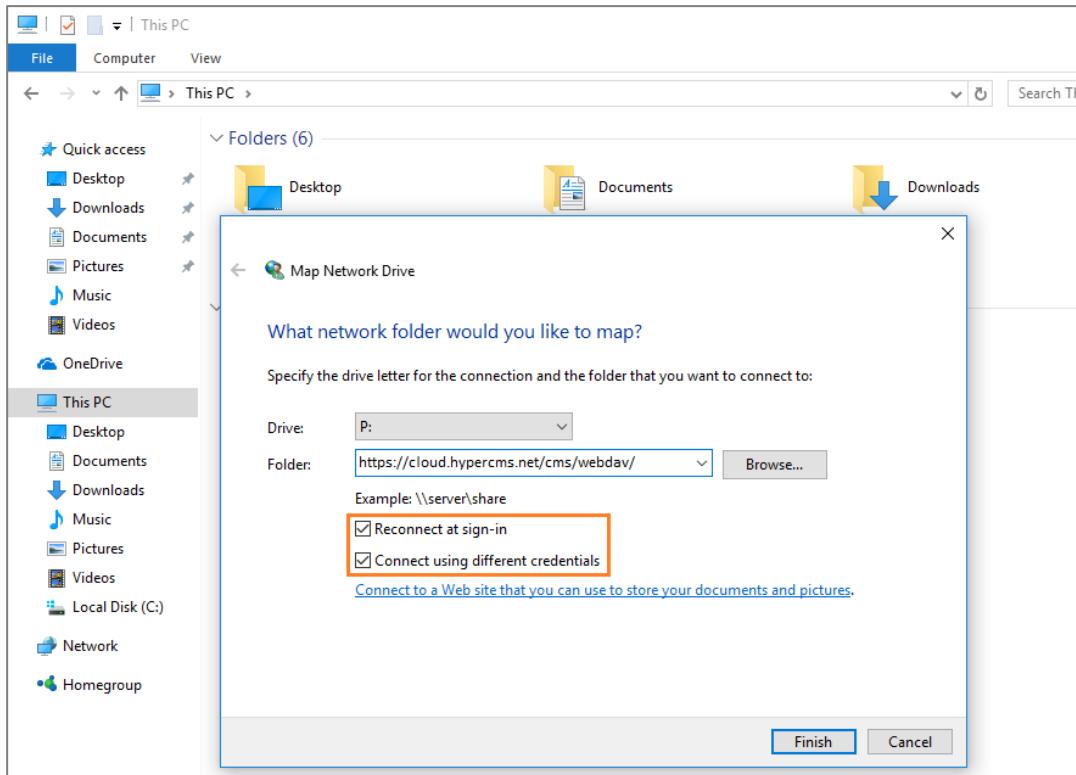
1. Simultaneously press the [Windows] and [E] keys so that the Explorer opens. Click on "This PC" on the left. Click on the "Computer" tab at the top and select "Connect network drive".



2. Select the desired drive letter and enter the path of the storage:

<https://cloud.hypercms.net/cms/webdav/>

Make sure that the network drive is automatically reconnected and that you log in with your hyper Content & Digital Asset Management Server user credentials.

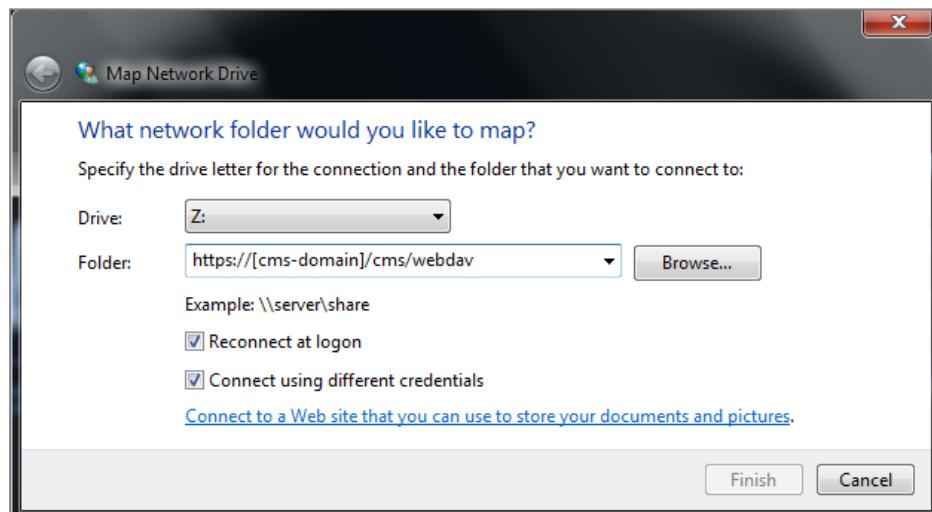


3. Click the "Finish" button to get to the authorization. Enter the correct user name and password for the hyper Content & Digital Asset Management Server here. If you confirm this step, the network drive is integrated and is visible in the Explorer next to the hard drives. In the case of an LDAP/AD connection to the system, please note that a password change will only take effect once you have logged into the browser and your new password has been synchronized.



WINDOWS 7 - How it works?

1. Before you can use this feature, you need to set your password once again. You need access to the option "Map network drive..." in the "Tools" menu of Windows Explorer, which can be opened using the Alt-key in Windows 7.
2. After that you proceed like shown in the screen below and fill in your user name and password in the new window.

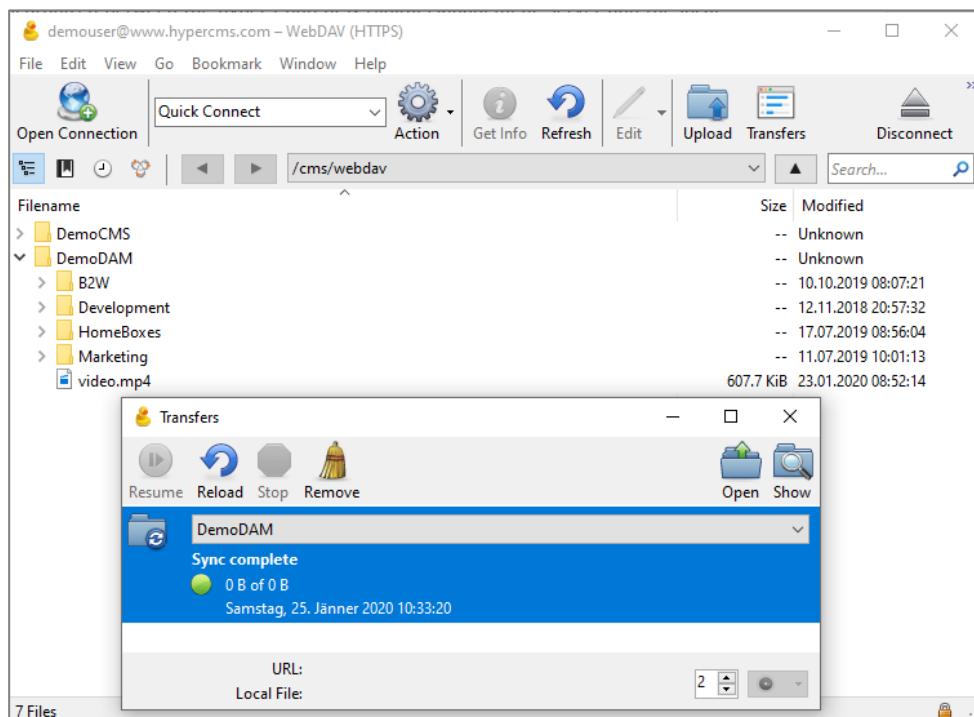


3. Now you should be able to access the network drive.

10.7.2 Synchronization of files

In addition to the direct access to the files in the system, the files can also be synchronized between the hyper Content & Digital Management Server and the local drive. The advantage is that you can work with the files even without a network connection and synchronize them again when you have a connection to the server again. The same also works on mobile devices with the help of a WebDAV client app. There are several free apps in the app stores that you can use.

There are a variety of WebDAV clients, e.g. the free software CyberDuck (<https://cyberduck.io/>), which can be downloaded and installed free of charge for all common operating systems. The software can synchronize the files without the integration as a network drive.



Another free software would be FreeFileSync (<https://freefilesync.org/>) to enable synchronization of files from two drives. To do this, however, the system must first have been integrated as a network drive. Afterwards, FreeFileSync can be used to set up the synchronization of the files.

10.8 Sending files via e-mail

10.8.1 Send mail function

To send links to files or folders you can use the mail functionality of the system. You can select existing users or all users of a certain group as recipients. Simply enter the first characters of the users name into the "send e-mail to" field and the system will show you a list of all users with a similar name.

It is also possible to send an e-mail to a new user by the given e-mail address. In this case a new user with the name "User" + timestamp will be added to the system. Therefore, this option should only be used for external users that don't use the system regularly.

Of course the fields copy, carbon copy, subject and the message itself can be filled in.

Exists a user group with the name "default" in the system, then this group will be used for all new users or existing users without access permissions to the location given by the link in the e-mail. The user group "default" must also include the access permissions to a certain location in the system in order to grant a user access.

If there is no group named "default" then all new users must be assigned to a given group. Existing users without access permissions will not get access if the group "default" does not exist.

Message: 3 objects selected

Recipients User group Settings

Send e-mail to

Recipients

Peter Parker

Clark Kent

CC (e-mail)

BCC (e-mail)

Subject

Campaign

Message

Please take a look at the new pictures for our campaign.

Send files as

Download link

Access link

Attachment

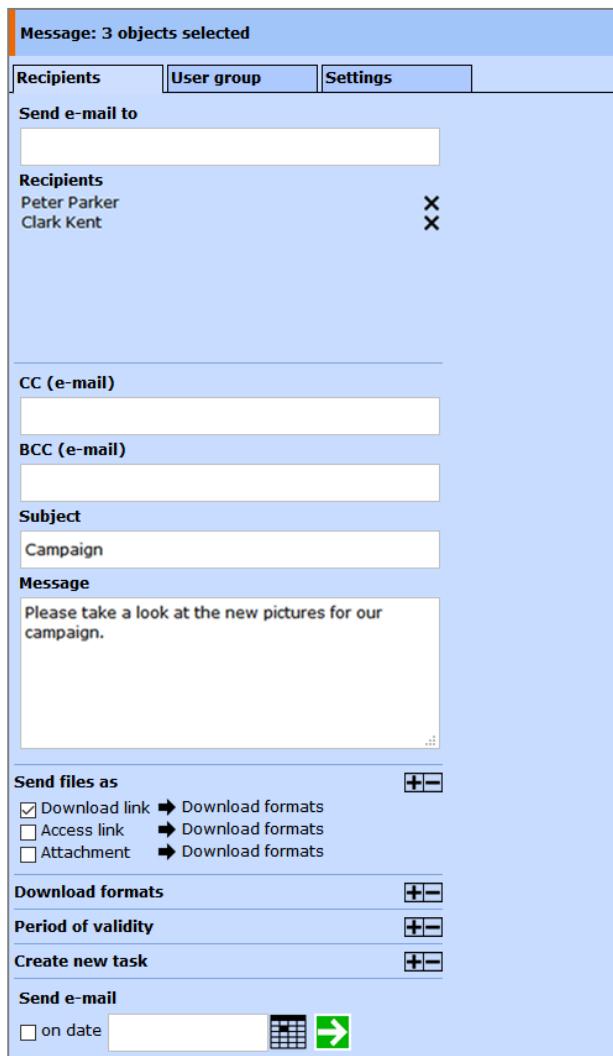
Download formats

Period of validity

Create new task

Send e-mail

on date



Sending options:

You can make files accessible via 3 different options.

The first option sends a download link via e-Mail. After the receiver(s) clicked the link, the default Browser will offer the sent file(s) as a download.

The second option sends a temporary access links via e-mail. After clicking this link, the default Browser will show the file explorer containing the sent file(s). It is taken into account if only a single file or entire folders have been sent.

The last option sends the selected file directly as an e-mail attachment to the receiver(s). This option is not available for entire folders and should only be used for sending small files.

Download formats:

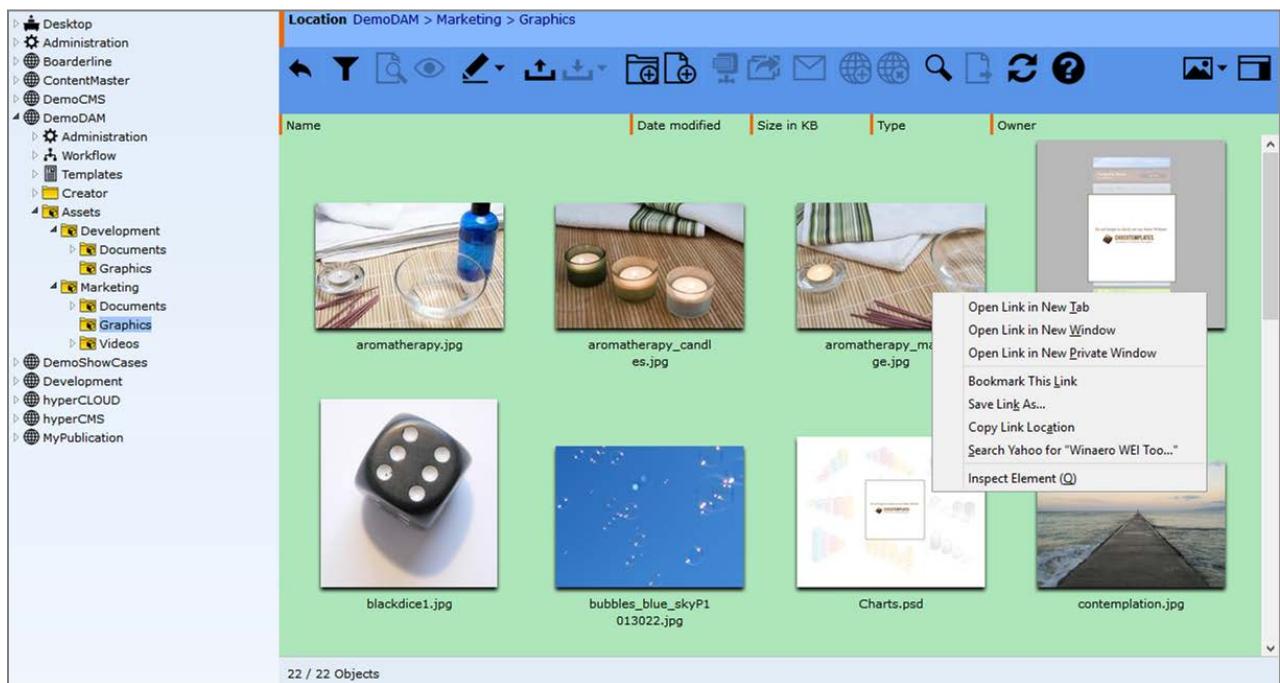
The Formats-tab allows to define download formats for the selected files. For "download" and "attachment" you can define only one specific file format. For "access" links you can define one or more formats.

Period of validity:

If you want to restrict access to the file, a period of time in days and hours can be set. This restriction applies only to download- and access-links.

10.8.2 Integrate download links into an e-mail client

You can integrate files into a message of a standard e-mail client without the Workplace Integration, by using the Alt-key in the object explorer. The background will change its color to green and you will be able to right click any object and copy the download link. You can also mark objects and copy & paste them into your e-mail in any view.



10.9 Editing objects

To edit an existing page or component choose it from the list of contents in the folder on the workspace. You can open the object for editing using the icon in the toolbar as explained in the table above or by right-clicking the file and selecting the edit function from the context menu.

After choosing an object all available functions are displayed on the toolbar. Pages, as well as components or any other file are opened in EasyEdit Mode in a new browser window. The icon beside the filename shows the format of the file.

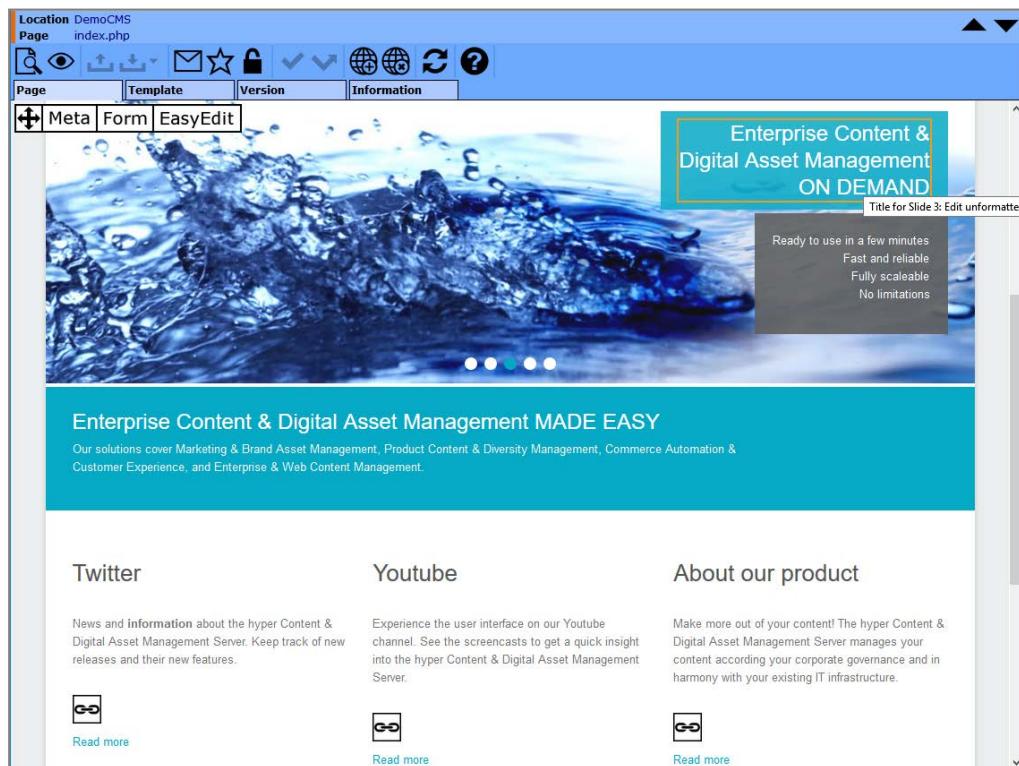
If the management system includes the Workplace Integration, the files can be edited directly in the associated Application (e.g. MS Word).

10.9.1 Editing pages and components

If you take a look at the workspace after choosing a page you can see the generated page based on the selected template.

Please note: You can change the content of a page or component as often as you like, without affecting the live-system. Pages or components are not displayed on the Internet until they are published.

An existing page is displayed as shown below:



Besides the design and the content of the page additional buttons are displayed on the page in EasyEdit mode.

These buttons show, which elements of the page can be edited. The following buttons are displayed depending on the definition of the page template:

Button	Description
	Edit meta-information in form view
	Switch to form view
	Enable or disable the InLine-Editing mode.
	Switch language
	Publish article. An article can be set active, inactive or scheduled.
	Create or edit non-formattable text
	Create or edit formattable text.
	Choose a text option from a list
	Insert or change multimedia file
	Link a page within your website, any other website or a file (download link) or edit an existing link.
	Insert single component
	Insert multiple component
	Edit component
	Remove selected component
	Shift up selected component
	Shift down selected component

These buttons are always displayed at the beginning of the editable content (text, image, link, etc.). Click on the buttons to edit the underlying content.

10.9.2 Editing multimedia files

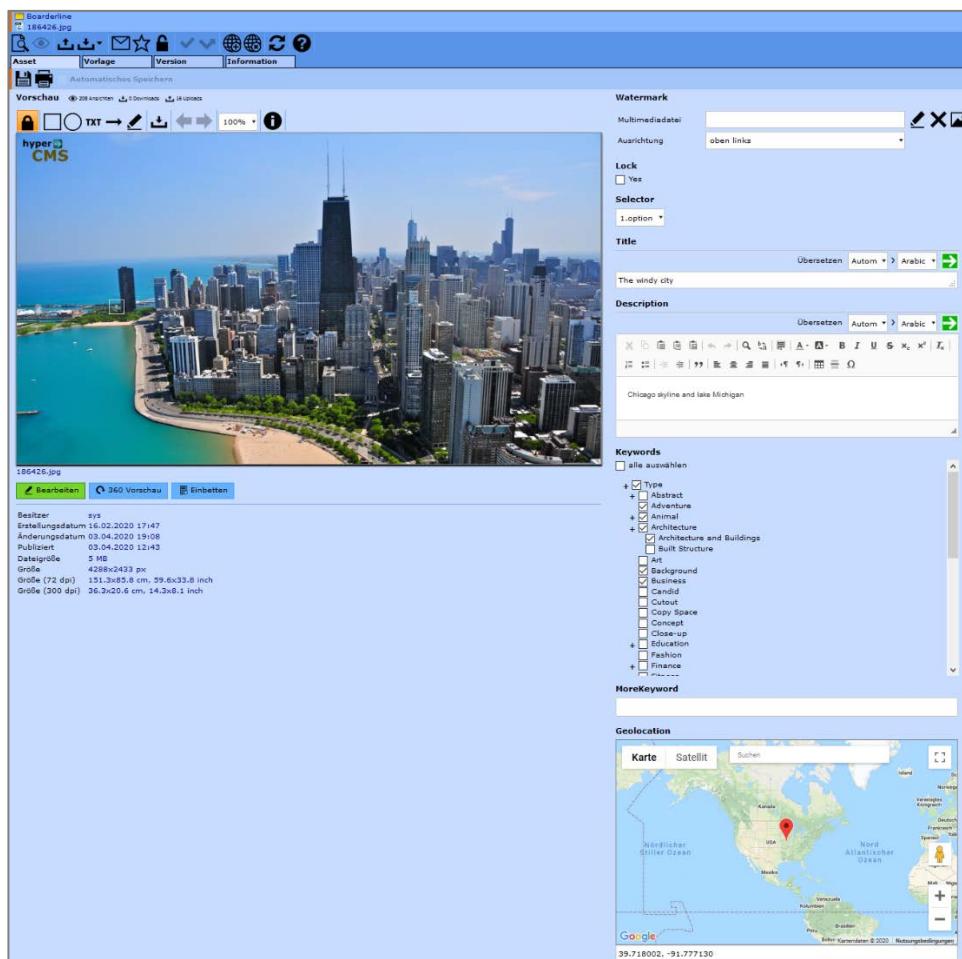
If the object is a multimedia file or folder, meta information for an object can be captured and edited.

The data can be edited by means of an input mask. The data is saved in the system using the save button at the top left of the form.

There are a variety of different input fields, such as:

1. Unformatted text
2. Formattable text
3. Keyword field (supports taxonomies)
4. Taxonomy selection tree (shows the structure of the taxonomy and allows the assignment of expressions)
5. Date field with calendar function
6. Selection field (drop-down)
7. Checkbox field
8. Map for the geolocation
9. Watermark (select an image and its position for the watermark)
10. References to related objects (created automatically for copy&paste and can also be defined manually)
11. Unformattable comment field
12. Formattable comment field
13. Electronic signature

Controls can also be defined in the templates so that fields are related to and control each other, e.g. show and hide fields.



10.9.2.1 Annotations

The system allows annotations to be added directly to images or documents. If this feature is activated in the system, a toolbar with the various marking tools (rectangle, circle, text, arrow, freehand drawing, undo, and redo) appears above the image or document. This allows changing requests to be recorded directly on the media, thus making it easier to communicate change requests to other members.

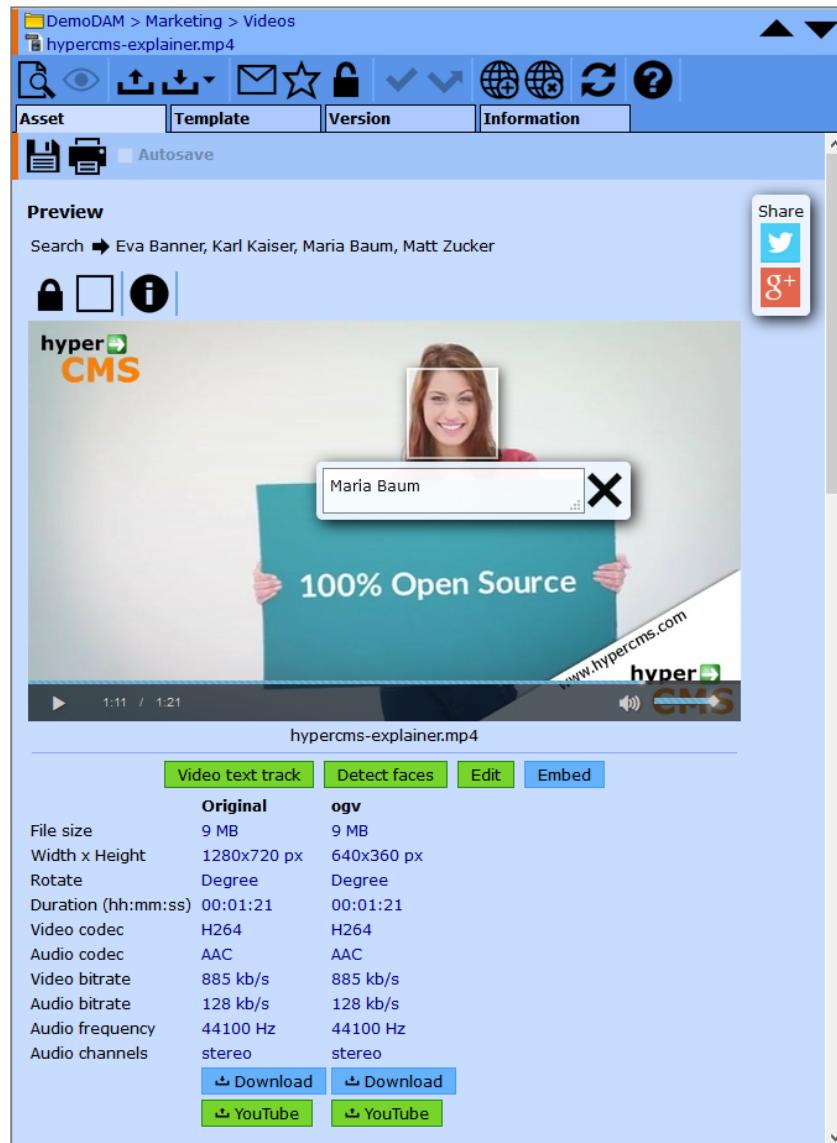


10.9.2.2 Face detection/recognition and markers

The system offers face detection and recognition for pictures and videos. When this feature is activated, the faces on an image are framed in white. If an unknown face has been detected you can provide the name. This way the system will learn and recognize the same faces in the future on all images and videos.

Use the button below the video player for face detection/recognition on videos. The video will be paused automatically and the detected faces will be displayed by white borders. Other faces or objects can be selected manually on images and videos as well via click in the center of the face or object, if the marker tool has been activated in the toolbar above the video. By clicking on the frame, an input field for the name appears. Don't forget to save the data in order to store the names as well.

This feature helps users to search for and find people or objects in pictures and videos.



10.9.2.3 Image Editing

Certain image files can be edited by clicking the edit button below the preview image or by selecting more images in the Object Explorer and edit all of them at once (in this case crop is not available).

The following parameters of an image can be changed:

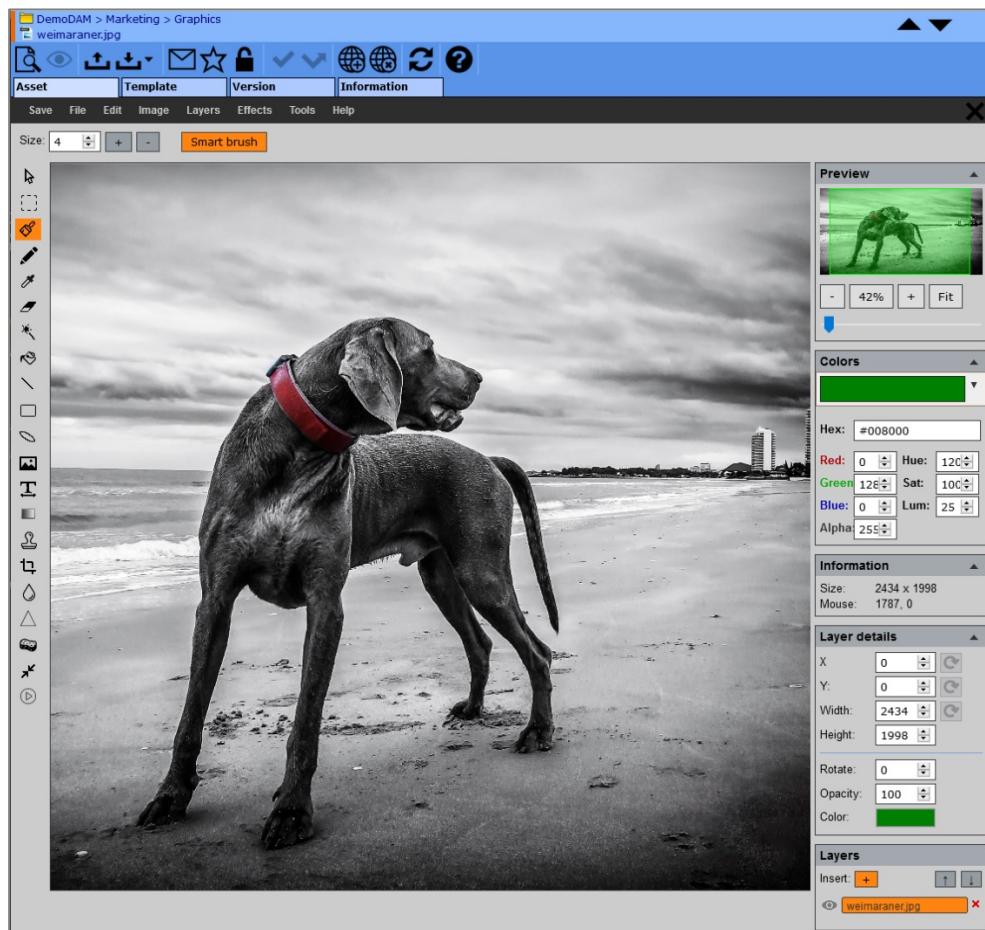
- Crop
- Resize
- Rotate and flip
- Brightness and contrast
- Apply effects
- Change colorspace and file type



MiniPaint is available for single image processing with an extended range of functions. The image processing takes place directly in the browser and is not executed on the server side. Therefore, there are limitations regarding the supported output formats. The language of the user interface can be changed, please use "Help" in the main menu.

This optional image processing user interface can be deactivated at any time in the configuration of the system (config/config.inc.php). This can only be done by a user with write access to the main configuration of the system, see the following entry:

```
// Define the alternative image editor "minipaint", leave empty for the default image editor of  
// the system  
$mgmt_config['imageeditor'] = "minipaint";
```



10.9.2.4 Video Editing

Videos or audio files can be selected and edited in single or batch mode. Based on the original video file other videos can be created without changing the original source video. The versions of a video file will be shown in the table below the video.

If the video format of the original video is supported, you can also overwrite the original video. To do this, choose the file type "Original" from "Save as".

If the version management is enabled in the system, the original file remains as old version and is replaced by the newly created file.

The screenshot shows the hyper CMS interface for managing video assets. At the top, the location is set to DemoDAM > Marketing > Videos, and the asset name is hypercms-explainer.mp4. The toolbar includes standard file operations like Open, Save, Delete, and Share (with links to Twitter and Google+).

The main area displays a preview of the video, which features the hyper CMS logo and the text "Enterprise Content & Digital Asset Management MADE EASY". Below the preview, the file name is listed as hypercms-explainer.mp4. A table provides detailed video metadata:

	Original	ogv
File size	9 MB	9 MB
width x height	1280x720 px	640x360 px
Duration (hh:mm:ss)	00:01:21	00:01:21
Video codec	H264	H264
Audio codec	AAC	AAC
Video bitrate	885 kb/s	885 kb/s
Audio bitrate	128 kb/s	128 kb/s
Audio frequency	44100 Hz	44100 Hz
Audio channels	stereo	stereo

Below the metadata, there are download buttons for the original file and an ogv file, as well as YouTube sharing options.

The form fields for the asset include:

- Title:** hyper Content & Digital Asset Management Server Explainer
- Description:** hyper Content & Digital Asset Management Server explainer video
- Keywords:** explainer, hypercms
- Copyright:** hypercms.com

The following parameters of a video can be set:

- Format
- Video and audio quality
- Video size
- Brightness, contrast and other effects
- Cut video
- Define start image
- Change file type



10.9.2.5 Video Text Tracks Editing

WebVTT (Web Video Text Tracks) is a W3C standard for displaying timed text in connection with the HTML5 <track> element used in videos. The system allows to create and edit video text tracks in all languages.

Open the video text track editor by clicking on the "Video text track" button. Select the language in the drop-down-menu. Language select options with green background indicates that a video text track exists already.

When playing the video, you can simply press the clock-icon for start and stop to select the timestamp for the begin and end of the text. Pressing the save-icon of the editor will add the new text to the VTT records displayed below the editor.

You can always edit the text or remove entries from the list of text records.

You need to publish the video in order to integrate the video text tracks into your video.



10.9.2.6 How to create and embed streaming videos

Step 1: Upload video file



Step 2: Open video

Open the video file via double click, the tool bar or the context menu (right mouse click).

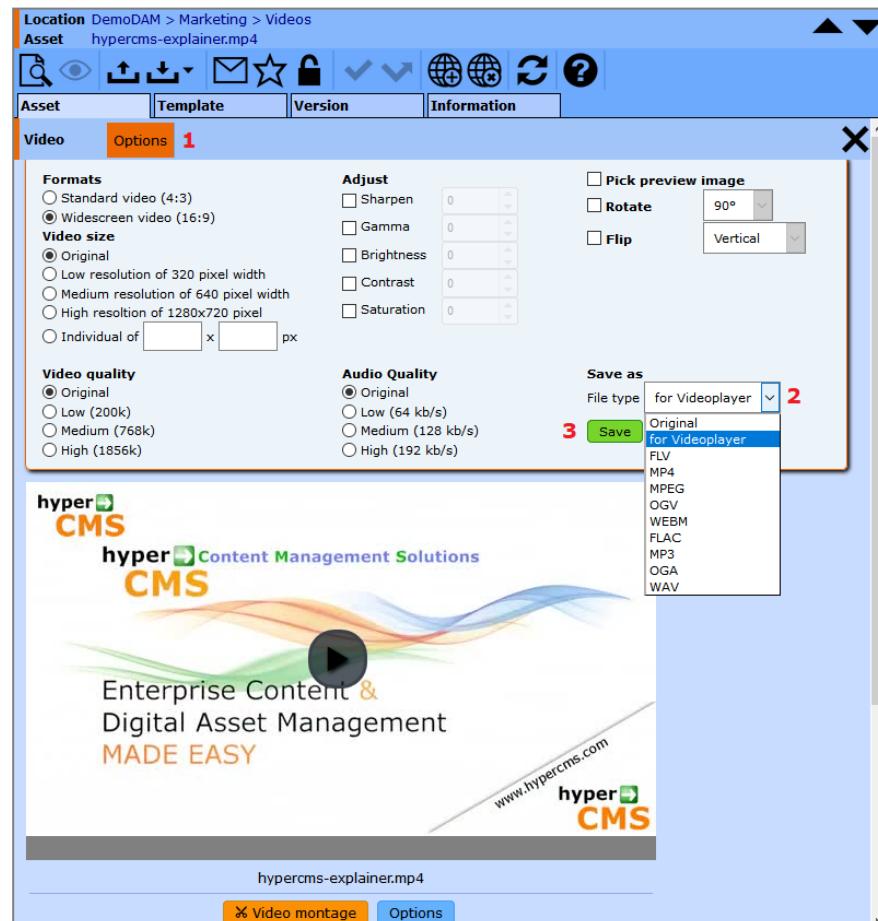
A screenshot of the DemoDAM interface showing a list of video files in a grid view. The left sidebar shows a navigation tree with categories like Desktop, Administration, Assets, ContentMaster, DemoCMS, DemoDAM, DemoShowCases, Development, hyperCLOUD, hyperCMS, and MyPublication. The main area shows a list of files under 'Marketing > Videos'. One file, 'hypercms-explainerv.mp4', has a context menu open over it. The menu includes options like Preview, Edit, Notify me, Send to chat, Delete, Cut, Copy, Connected copy, Paste, Publish, Unpublish, Print, and Refresh. The menu is displayed in a light blue box with a white background and black text.

Step 3: Edit video

Edit the video to get the desired size and quality. You can also define a start image from a frame of the video.

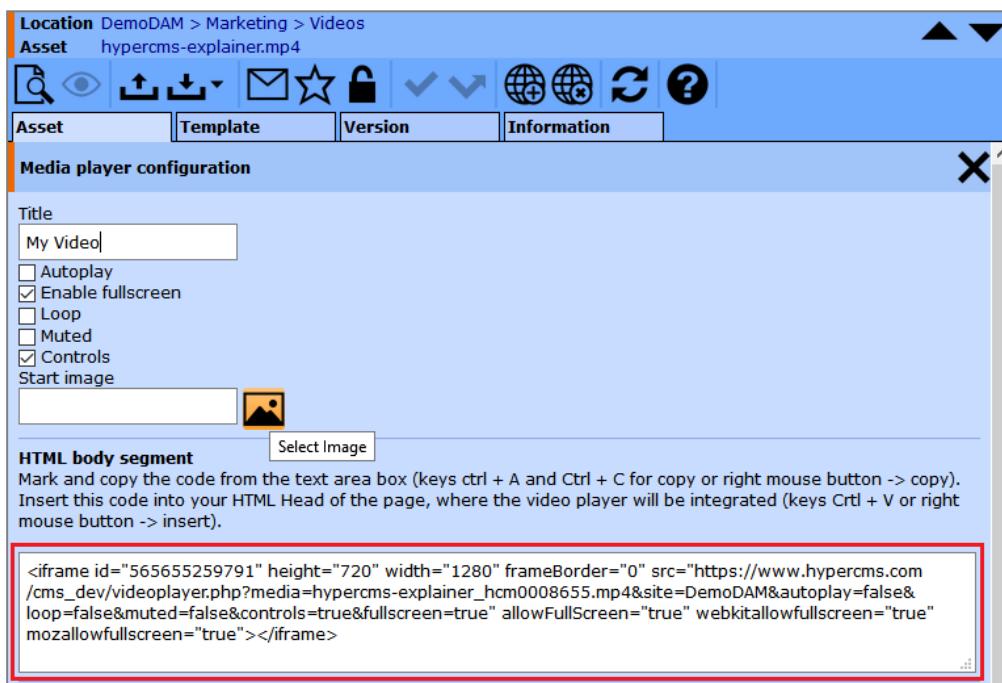
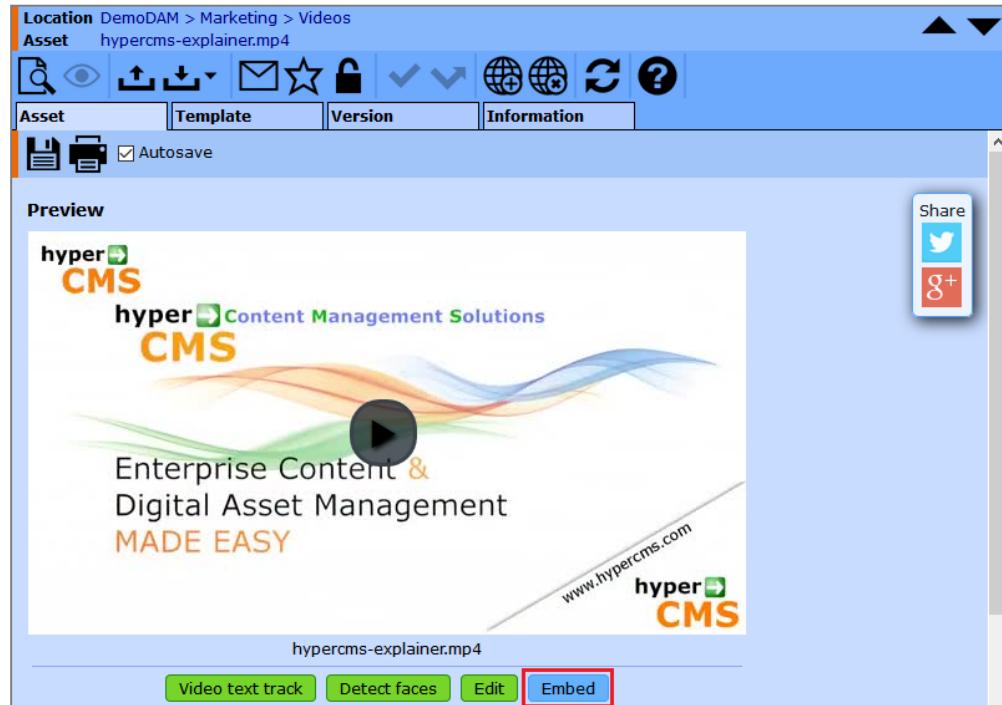


Use "Options" to edit the video. If your are satisfied with the result you can finish and close the video editing screen.



Step 4: Create code and embed it into your webpage

Now you can create the code for your videoplayer and video, copy and embed/paste it into your webpage (HTML-code).



10.9.2.7 Upload of videos to YouTube

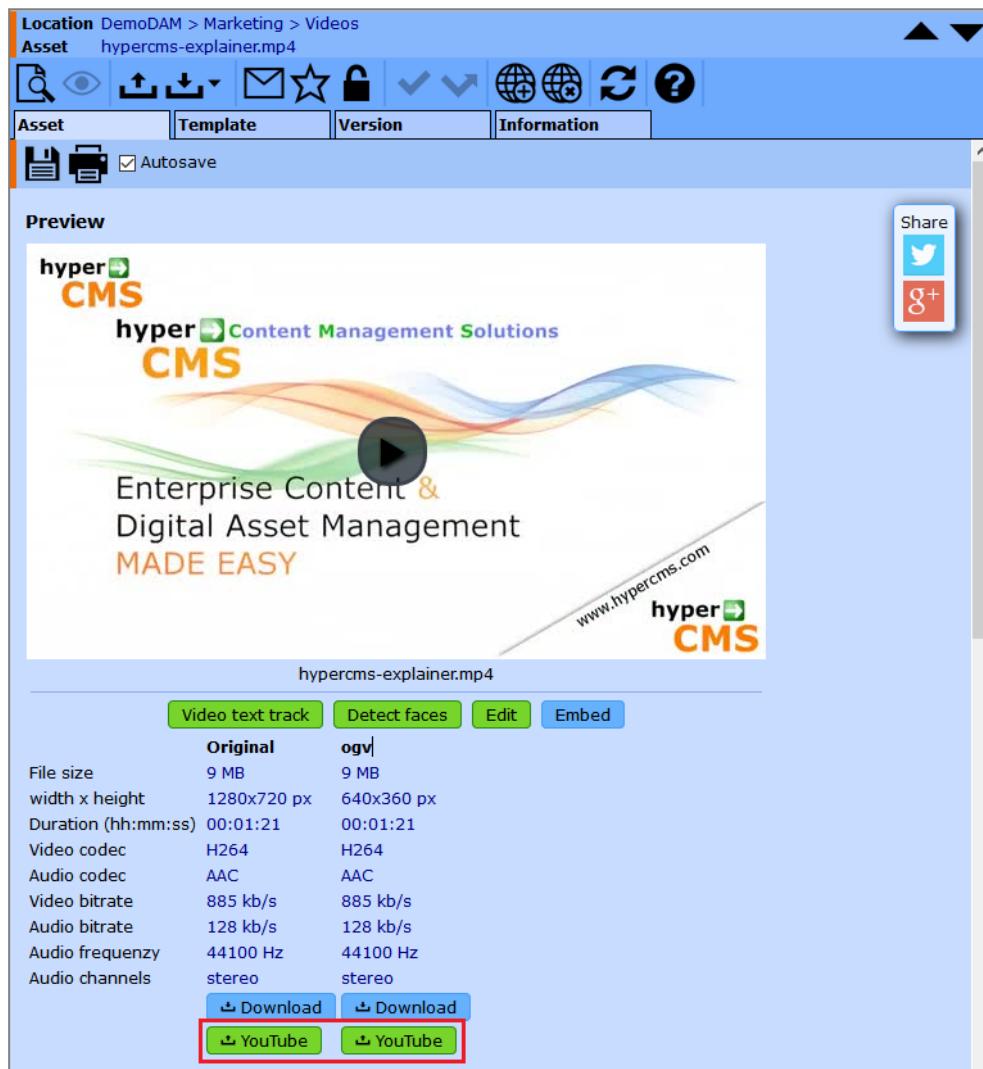
Video files can be uploaded to YouTube if the YouTube Connector is available in the system and activated in the publication settings, see also the Connector Guide. This requires a valid YouTube API key so that a connection with YouTube can be established. You can use your own Google account by creating it yourself on the Google Console <https://console.developers.google.com/> and activating the YouTube Data API v3 and provide your domain and the YouTube Connector (<https://your.domain.com/hypercms/connector/youtube/>) in the credentials.

The screenshot shows the Google APIs console interface. On the left, there's a sidebar with options: Overview, Metrics, Quotas, and Credentials (which is selected). The main area is titled 'Credentials' and shows two sections: 'API Keys' and 'OAuth 2.0 Client IDs'. In the 'API Keys' section, there is one entry: 'Browser key 1' created on Jul 8, 2013. In the 'OAuth 2.0 Client IDs' section, there is one entry: 'Web client 1' created on Jun 17, 2015, categorized as a 'Web application'.

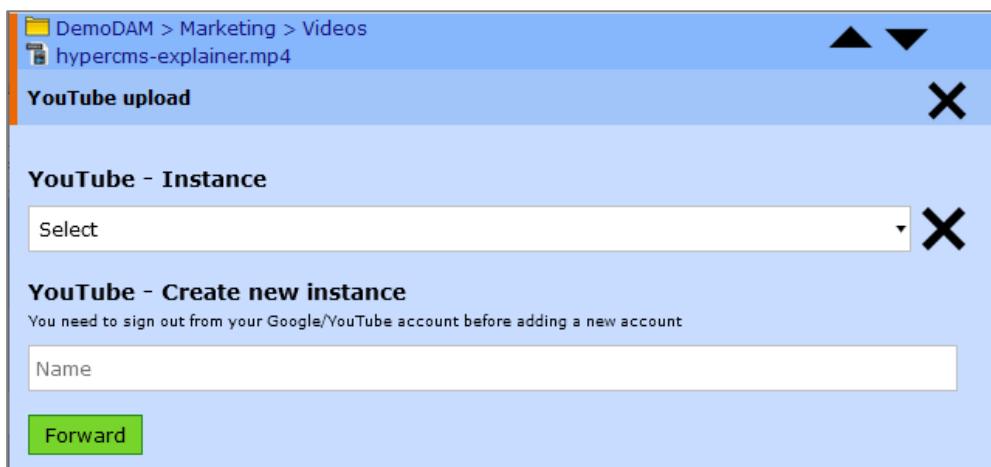
Name	Creation date	Restrictions	Key
Browser key 1	Jul 8, 2013	None	[REDACTED]

Name	Creation date	Type	Client ID
Web client 1	Jun 17, 2015	Web application	[REDACTED]

To upload a video to YouTube open a video in edit mode. If the YouTube Connector is enabled and you have edit permissions for the video you should see the YouTube upload buttons.



Press the "YouTube" button of the desired video format. You can now select an existing YouTube account/instance as the target for the upload or define a new YouTube instance.



In case a new YouTube instance will be created for the very first time, it is necessary to pair your YouTube account with your new instance.

A small popup window presenting the YouTube login will be displayed. Login with the YouTube account where you want the system to upload videos.

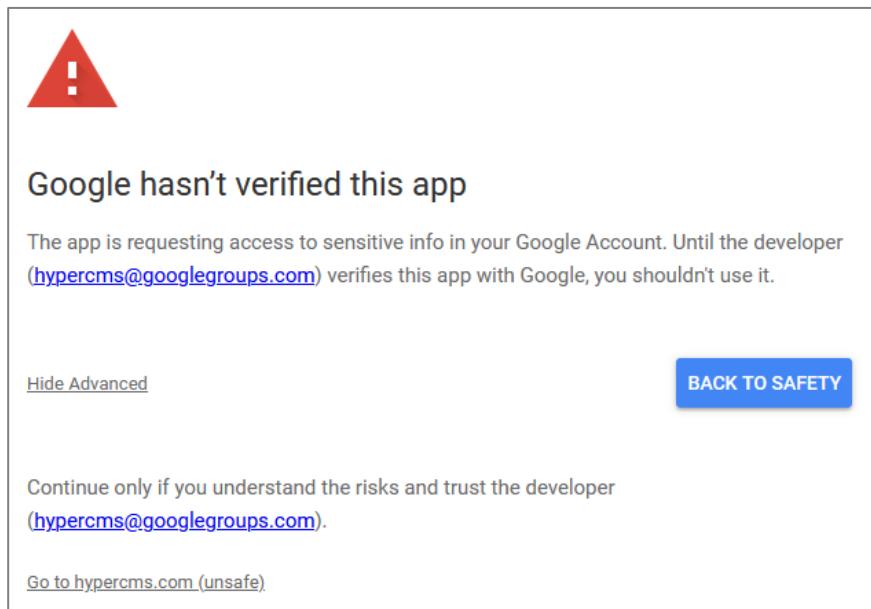
The procedure may vary slightly from the one shown here due to changes on the part of YouTube/Google.

You need to pair the YouTube Connector with your YouTube account and allow the connector to upload videos to your YouTube account.

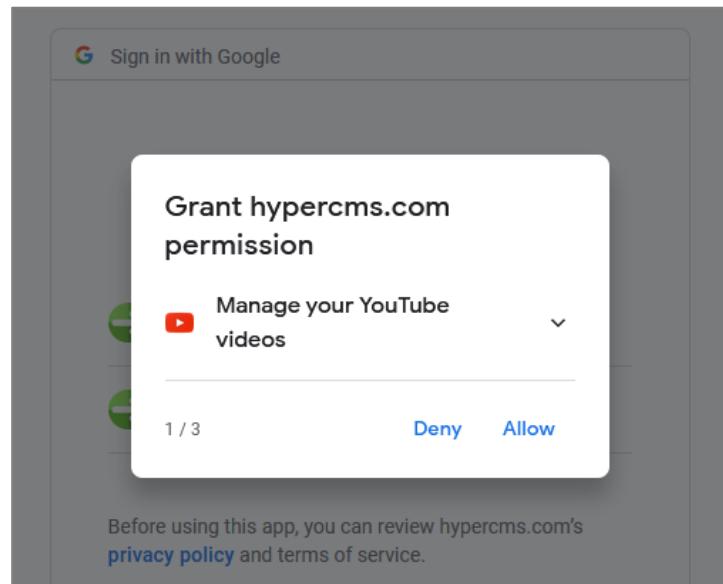
The screenshot shows a Google login interface. At the top left is the Google logo, and at the top right is a red "REGISTRIEREN" button. Below the logo, the word "Konten" is displayed in red. A message in German reads: "www.hypercms.net fordert Erlaubnis an, auf Ihr Google-Konto zuzugreifen." Another message says: "Sie müssen sich anmelden, um den Dienst eines Drittanbieters für den Zugriff auf Ihr Konto zu autorisieren." To the right of these messages is a login form with fields for "E-Mail-Adresse" and "Passwort", and buttons for "Anmelden" and "Angemeldet bleiben". At the bottom of the form is a link: "Sie können nicht auf Ihr Konto zugreifen?"

Since you might use an unverified YouTube API that hasn't been verified by Googles audit process, a warning message will be displayed.

If you want to connect to your YouTube account, you will need to continue with "Advanced" and "Go to domain.com (unsafe)".



You need to grant all required permissions in order to upload videos to YouTube. By pressing the button "Allow" you're allowing the system to upload videos permanently to your YouTube account.



Now you can use the new YouTube instance and in the next step the title, description, category, etc. can be defined. This data is used by YouTube for a more detailed description of the video.

After filling in the additional video information you can start the upload by pressing the button "Upload". After the uploading process is finished the video is available in your YouTube account.

A screenshot of a "YouTube upload" interface. The form includes fields for Title (BMW Z4 Commercial), Description (The official commercial of the all new BMW Z4), Category (Autos & Vehicles), Private video (Public), and Tags (bmw, z4, commercial). A green "Upload" button is at the bottom.

10.9.2.8 Social Media Sharing

If enabled in the publication settings, images and videos can be published on various social networks.

To share a picture or video on a social media networks, you need open the file first with a double click:



Pressing one of the buttons will open a new window where you can log in to the selected social network in order to publish the content.

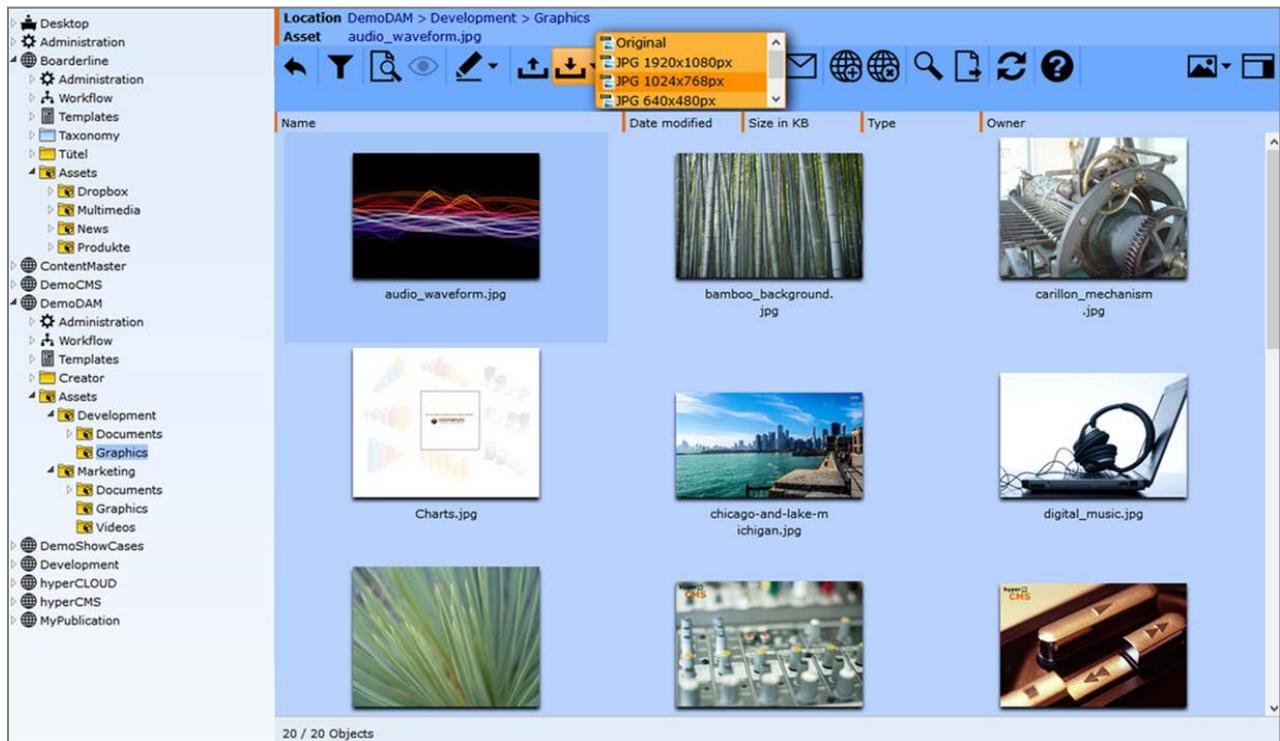
Depending on the selected social media network, in addition to the wrapper link as a reference to the file various other data might be used. The contents are taken from the following metadata fields:

- Title
- Description
- Creator

Follow the instructions in the social network for the publication of the asset. You can determine the number of hits after it is released by opening the access statistics in the information tab of the Asset.

10.9.2.9 Downloading/Converting files

Uploaded images, videos or documents can be converted into other common file types e.g. MS Word to PDF, if set in the configuration of the system.



10.9.3 Meta information of pages

Page title, author, page description, keywords, character set and language are meta information, which among other things are important information for search engines. If you want to obtain a higher ranking in the result list of search engines you should enter a brief description of your contents and the most important keywords. This information cannot be viewed by the visitors of your website but are nevertheless of high importance. Enter all metadata information fields and click on "OK" to save them.

Metadata fields can also be freely defined in the templates so that the schema can be expanded as required.

The system offers functionality to generate keyword lists and descriptions based on given content. If this is the case, the user does not need to enter additional meta information. Besides predefined meta information, meta data schemas can be freely defined in templates and are important for multimedia content.

The following form shows the standard metadata fields on a page. In practice, a defined character set (UTF-8) and a defined language are usually used, so that not all fields make sense.

The screenshot displays a software interface for managing metadata. At the top, there are icons for saving and autosave. Below that, the 'Title' field contains 'Batgear'. The 'Content-type' section shows 'Character set' as 'UTF-8 Unicode' with a help icon. The 'Language' section includes a list of 'Available languages' (Afrikaans, Akan, Albanian, Amharic, Arabic, Armenian, Azerbaijani, Basque, Belarusian, Bemba) and a 'Selected languages' list which is currently empty. The 'Author' field contains 'Bruce Wayne'. The 'Keywords' field lists 'batcape, batmask, batsuit'. The 'Description' field contains the text 'You will need this items if you want to be a proper Batman.'.

10.9.4 Text, text options, and date fields

There are different kinds of possibilities to edit textual content; especially Inline editing enables a very convenient way to change text passages.

Different kinds of editing possibilities:

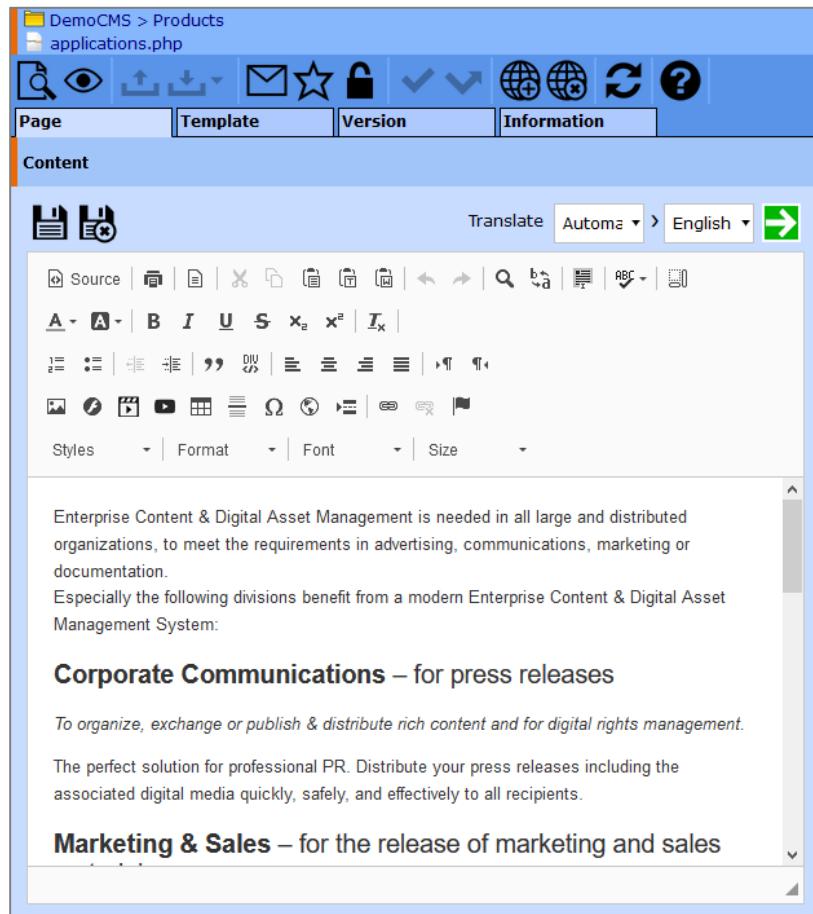
- Rich text editor
- Text editor
- List of available text options (not editable)
- Checkbox (not editable)
- Date fields

Rich text editor

With the rich text editor you can change the texts appearance, insert and change tables, insert images and videos. The functionality is comparable to MS Word.

Texts from MS Office documents can be inserted via copy & paste, whereas the Word HTML-Code will be cleaned up.

An automatic translation service is available, but it must be enabled in the publication settings.



You can get more information about the single functions by moving the cursor over the buttons. A brief description about the chosen functionality is displayed by the cursor.

If you are already familiar with MS Word handling the editor will require hardly any training.

You just have to type in the text, mark it and change its appearance by choosing one of the format buttons. If you are not satisfied with the results you can undo every action step by step with the "undo"-button. Furthermore, you can copy, paste text, and set hyperlinks.

To format tables simply right-click on the table and choose the desired function from the context menu.

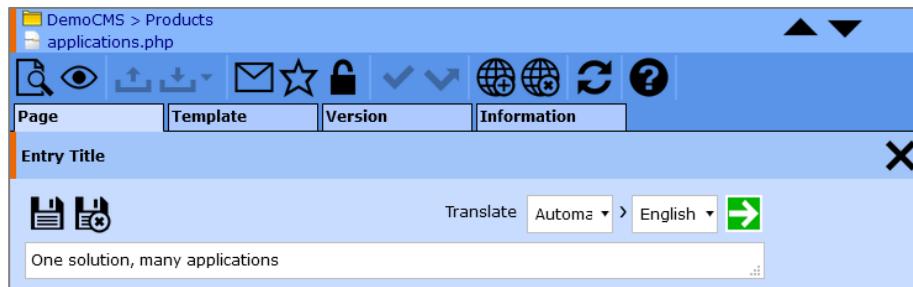
In the WYSIWYG editor you can also switch to code view and have a look at the automatically generated source code.

To save the text, click on "save" or "save and close".

Text editor

The text editor does not provide any formatting functionality. You can only create, paste and edit text, but you cannot format it or change its appearance.

An automatic translation service is available, but it must be enabled in the publication settings.



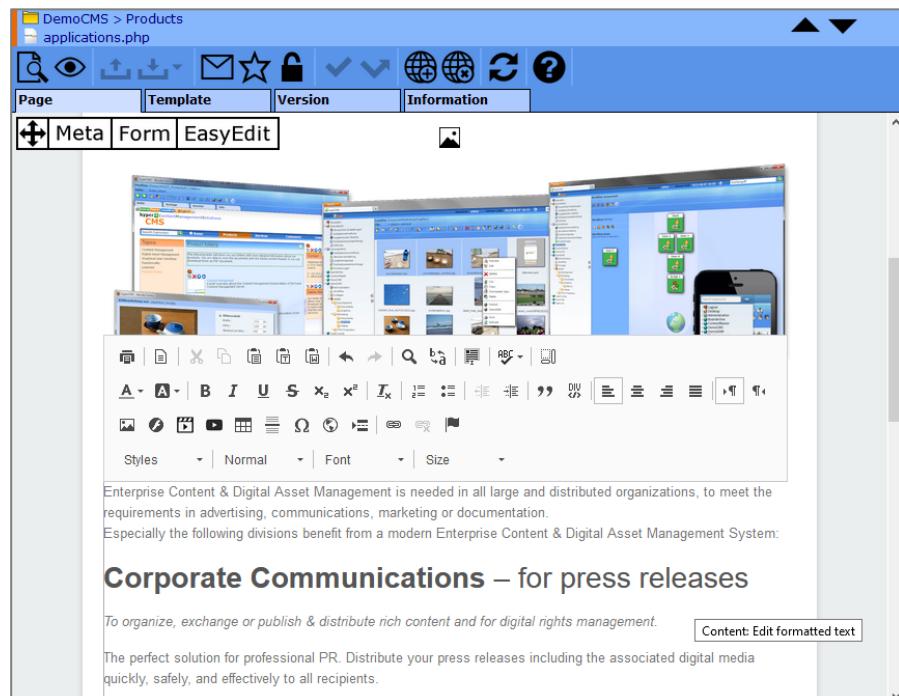
Also the use of HTML-tags is not possible in the text editor. "<" or ">" are transformed into the HTML-equivalent. Pressing, "enter" or "shift" + "enter" on the keyboard performs a line break. To save the text click "save" or "save and close".

Which editor, the WYSIWYG or the text editor are used, depends on the <text>-tag in the template. The text editor is used if a designer for example wants to prevent the editors from changing font style and color, which can affect the appearance of a page. The template designer decides which editor can be used to create and edit text.

Inline editing

This editing mode allows one to inline edit text directly on the object. Editable areas are marked with a border on mouse over.

The translation services cannot be accessed when in the inline editing mode.



Text options and checkboxes

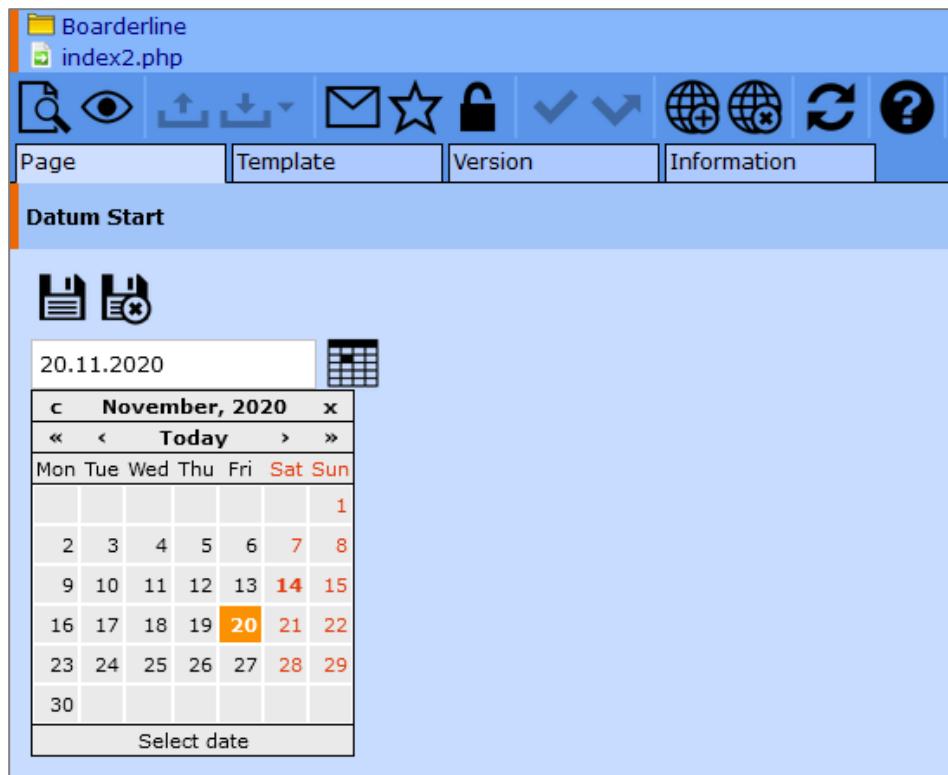
Besides the text editors there are text options without possibility to type in the text. This method should be used only where limited numbers of predefined texts are available for the users. That way it is assured that text itself cannot be changed. The user only can choose the text from a list. Imagine a text field where the different users have to type in a currency. One would type in “€”, another would write “Euro”. With text options the template designer can avoid such differences.

Text options are defined in a template and are displayed on a page or component as a drop-down-list.



Date fields

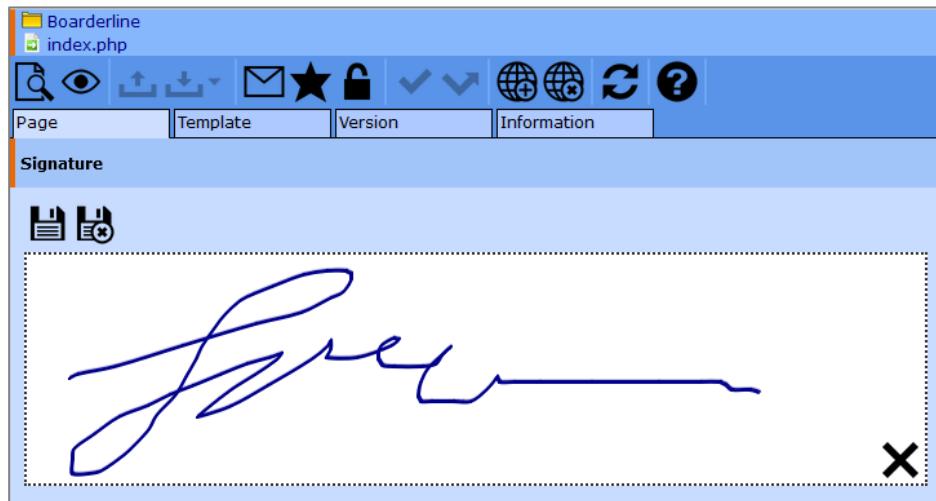
The date field is used to select a date and time in different formats as defined in the template.



10.9.5 Electronic signature

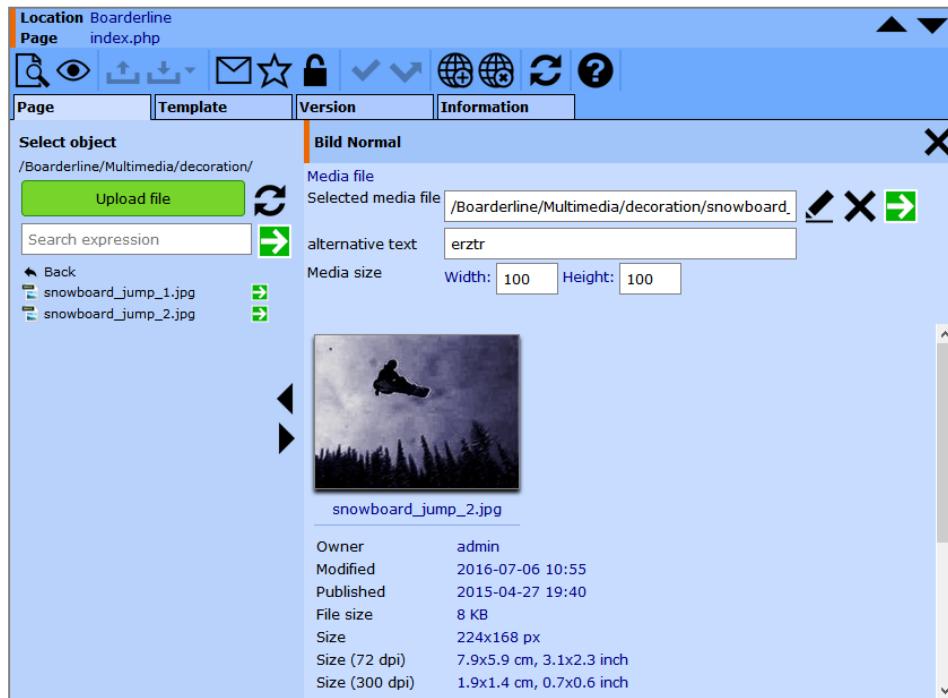
From a technical point of view, the electronic signature fulfills the same purpose as a handwritten signature on paper documents.

The electronic signature is therefore used for handwritten drawings. It is recommended to use a touchscreen with a stylus. However, it can also be drawn with the mouse.



10.9.6 Media

To insert a media file (e.g. image) click on the media button . The following view is displayed on the workspace:

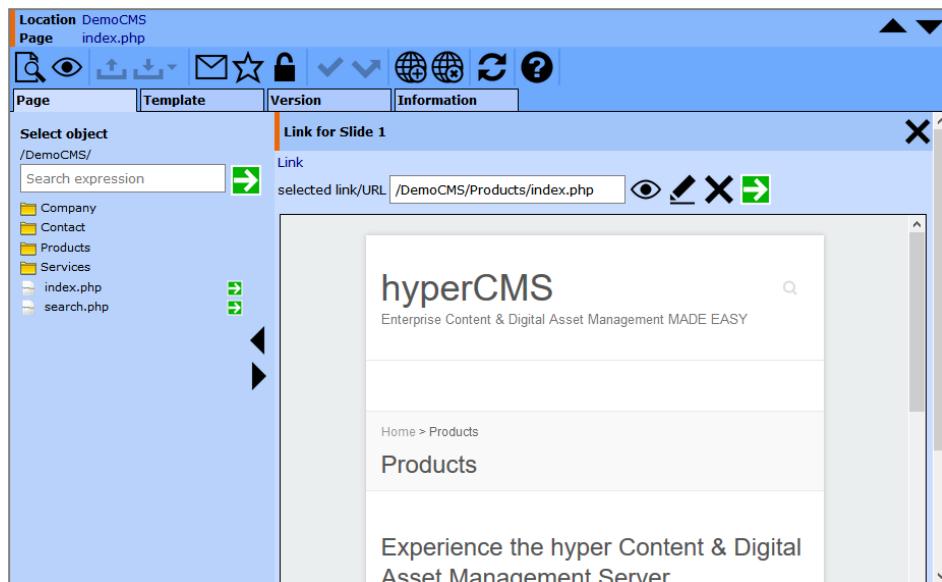


If you included an image it will be displayed. Via the media navigator on the left you can now choose another image. If the template allows you to do so, you can also change the alternative text, the alignment and the size of the image. When clicking "OK" the new image will be included in the page.

All input options for images can be defined in the template.

10.9.7 Links

Links are used to create a new reference to another page or URL.



If you want to set a link to an internal page (within your own website) use the link navigator on the left. With the link navigator you can browse the entire site and choose the file you want to link by clicking on it.

If you want to link an external page you can enter the URL manually in the respective field on the right, e.g. <http://www.externalsite.com/news.html>. To preview the linked page in a new browser window click on the "preview"-button. By clicking on "OK", the new link is saved. In the underlying template all options regarding the link, such as target frame, link text, etc. can be defined. Depending on the options defined in the template additional fields are displayed on the page, where you can enter and select the appropriate values.

10.9.8 Articles

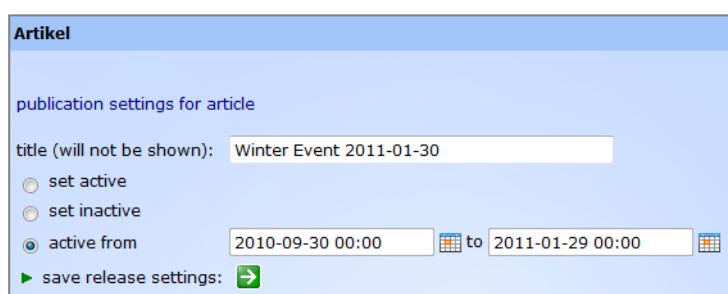
If articles are included in the template, you can use the time management functionality. Articles consist of texts, images, links and components. Articles are identical to elements of a page but can be scheduled.

Articles can be activated (online), deactivated (offline) or scheduled (online from-to). When the online period of an article expires it is set "offline" automatically and is no more displayed on the website.

Article text, images and links can be identified by the clock symbol, e.g. a text as part of an article.

When you move the cursor over the clock symbol the name of the article is displayed.

To change the settings of an article or its elements click the clock symbol. By default, all articles are activated.



Here you can enter a title and enter article options. When you activate an article it is displayed on the live-website. If you deactivate an article it disappears from the website (not from the system). If you want an article being displayed on the website for a certain period of time choose "active from to". Here you can set a start and an end date and time. Timing only affects the live-site. No matter if an article is online or offline, it is displayed in the workspace at any time.

Which elements of a page or a component should be part of an article can be defined in the template.

10.9.9 Components

Components are modules, which can be embedded into pages and into other components. That way, it is possible to assemble a page from predefined "building blocks".

Components behave exactly like pages and can be created and edited the same way. Each component can be integrated in a page or a "mother component", which allows central management of all components. Therefore, a change of a component affects all elements which uses this component. If you use inheritance of contents between publications you can also integrate components of other publications into pages and components of your own publication.

If a template allows a page or a (mother) component to use components, they can be integrated into the content.

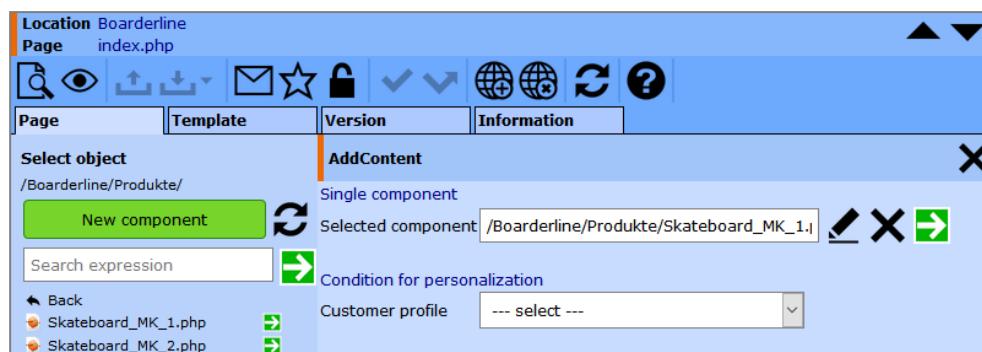
There are two types of components:

- Single Components
- Multiple Components

Single Components

If a template allows the integration of a single component you can include one by clicking the "component"-button .

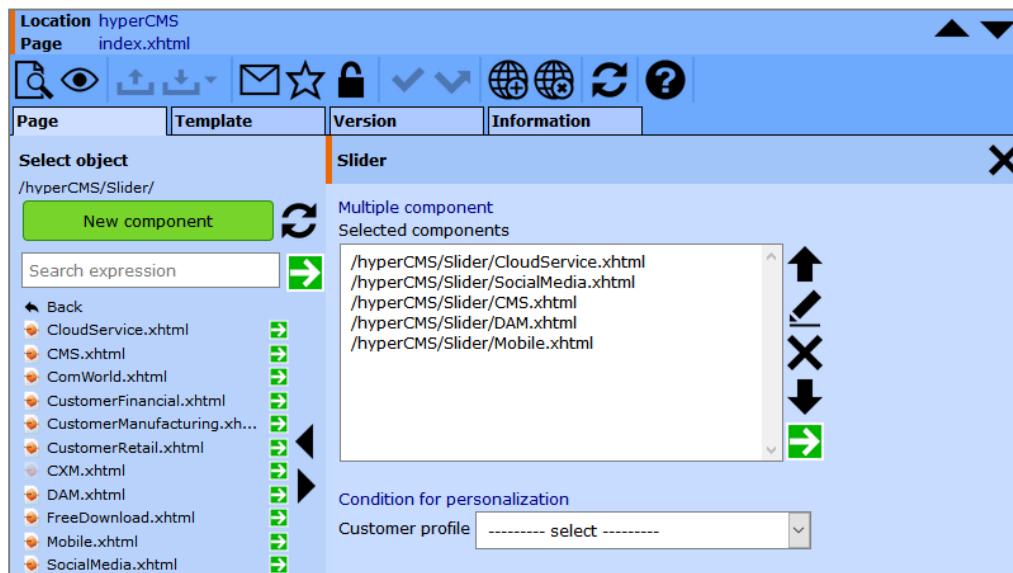
If you want to include a component choose it from the component navigator on the left of the workspace:



With the "delete"-button you can remove the entry. To preview a component, click on the "preview"-button. If you want to edit a component you can do this if you have the appropriate permissions. The "delete"-button removes your selection. By clicking "OK" you save your input.

Multiple Components

Multiple Components allows you to include one or more components into a page at the same time, and also arranges them in the order you want. To change the order of the components select one and shift it up or down by clicking the arrow keys.

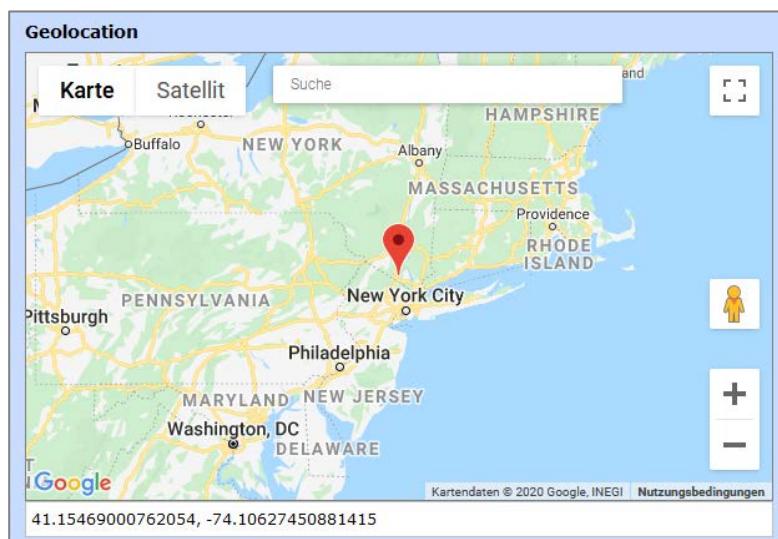


Personalization via customer profiles

In case customer profiles have defined, contents can be personalized appropriately for certain target groups. The editor decides which target group should access the contents. In order to display personalized content, select a single or multiple component and assign a customer profile to it.

10.9.10 Geo location

If the template permits the display and definition of the geo location of the object, a map with the set geo location appears. If you own the necessary permissions, you can define a new geo location by clicking on a position in the map. The map can also be moved and zoomed in and zoomed out.



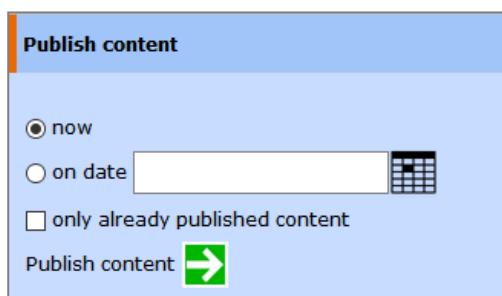
10.10 Publishing pages and components

All changes to a page or component do not apply until they have been published. If you finish editing a page or component you have to publish these objects by clicking "publish". After this the object is online and the changes can be viewed on the Internet.

Optionally pages and components can be published on a certain date and time. In this case they are queued in the publishing queue till they will be published.

Another option allows the user to publish only object, which are already published. In this case all unpublished pages or components will not be touched.

If you want to take a page or component offline click the "unpublish"-button. After doing so all links to this page or component are deactivated and all editors who linked or used this objects are notified by the link management system.



10.11 Removing pages and components

If you want to delete an existing page or asset click the "delete"-button. The selected object and all of its versions will be removed from the system. For security reasons the current content container will be maintained (<contentstatus> is set to "deleted").

Please note that locked objects cannot be deleted.

10.12 Copying, cutting and pasting pages and components

A selected page or component can be copied, cut or pasted at other locations. A copied object is stored in the clipboard and can be pasted as often as you like. If you cut an object it will be removed from the clipboard after pasting it. It is therefore not possible to cut & paste the same object several times. The link management system monitors all changes of the objects location, updates all references and links automatically.

Linked copies behave differently. If you create a linked copy of an object, it is based on the same content (content container) as the original object. If you edit the content of the original object all changes automatically apply to the linked objects. If an object is checked out by a user, no other user will be able to access objects which are based on (linked to) the same content container.

In addition to the actions by clicking on the buttons on the toolbar or the context menu, the drag & drop function can also be used with the mouse pointer. Dragging and dropping objects across folders is the same as cutting and pasting. If the Ctrl key is held before releasing, this corresponds to copy & paste. If you hold the Alt key before dropping it, this corresponds to a linked copy & paste.

10.13 Search

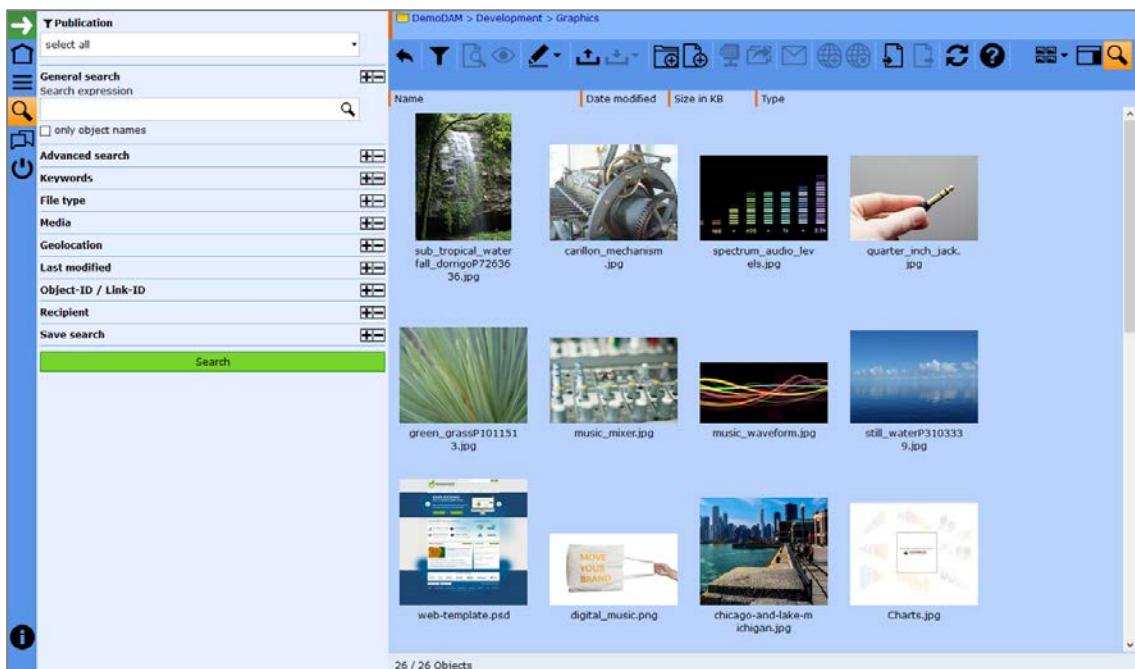
The search allows you to quickly find files and documents in your repository. The system offers an extensive set of search criteria such as full-text search, file type, date of last modification, image colors, geo location, and allows you to reduce the search to object names only. Search terms can be linked using the terms "AND" and "OR", for example: man AND woman (AND and OR must be written in capital). The search term may also include "*" as a wildcard for any additional characters.

Since Version 7.0.8 the following characters can be used as operators:

- + ... A leading plus sign indicates that this word must be present
- - ... A leading minus sign indicates that this word must not be present
- no operator ... By default (when neither + nor - is specified) the word is optional
- * ... The asterisk serves as the truncation (or wildcard) operator. Unlike the other operators, it should be appended to the word to be affected.
- " ... A phrase that is enclosed within double quote characters must be present as the phrase literally, as it was typed.

The search can be accessed via 2 icons in the graphical user interface:

- The search in the left navigation bar
- The search in the workplace that also activates the search and replace feature



Click the search icon in order to open the search form. The general full-text search will look into all contents. You can combine the search expression with other search options, like the file type, media search, or geolocation.

The screenshot shows a search interface titled "Publication". At the top is a dropdown menu set to "select all". Below it is a "General search" section with a search expression input field containing "Search expression" and a magnifying glass icon. There is also a checkbox for "only object names". A horizontal line separates this from the "Advanced search" section, which includes "Keywords", "File type", "Media", "Geolocation", "Last modified", "Object-ID / Link-ID", "Recipient", and "Save search" fields, each with a plus-minus button. At the bottom is a green "Search" button.

The search results will be displayed in the workplace next to the search form. You can select and edit objects.

The advanced or detailed search can be accessed by selecting the second tab. This enables you to quickly find content based on a search in specific fields.

This screenshot shows the "Advanced search" tab selected. It features a dropdown menu for "Based on template" set to "DemoDAM > default (Metadata)". Below this are four search fields: "Title", "Description", "Keywords", and "Copyright", each with its own input box. A "Link the fields with" dropdown is set to "AND". A horizontal line separates these from the "General search" filters: "Keywords", "File type", "Media", "Geolocation", "Last modified", "Object-ID / Link-ID", "Recipient", and "Save search", each with a plus-minus button. At the bottom is a green "Search" button.

If keywords fields are used, a list of all used keyword can be accessed in the search. The number of objects using the same keyword will be displayed in the right column.

The screenshot shows a search interface for 'Publication'. In the 'Keywords' section, there is a list of terms with their respective counts:

Keyword	Count
None	62
Abstract	5
achievement	1
adorableness	1
adventure	2
air	1
airwriting	4
Airwriting Video	4
animal	5
Apache	1
Architecture	4
Architecture and Buildings	2
art	3
audio	12
Audio Equipment	1
B/W	1
Background	2
bamboo	1
Banner	1
Beach	3
black	1
bloomberg	1
blue	2
bootle	1
boundless	1
brown	1
Build	2
Building	2

The search for file types and the media search can be used to find object based on their size, primary colors, or image type.

The screenshot shows a more detailed search interface for 'Publication' with various filters expanded:

- File type:** Page, Component, Image, Document, Video, Audio (all checked)
- Media:**
 - File size:** >= [input field] KB
 - Media size:** All
 - Image type:** All
 - Image color:** All, Black, White, Grey, Red, Green, Blue, Cyan, Magenta, Yellow, Orange, Pink, Brown
- Geolocation**
- Last modified**
- Object-ID / Link-ID**
- Recipient**
- Save search**

The search for the geolocation allows you to define an area on the map and find all objects which have been created or uploaded in this area. Besides the location of a user, the metadata of images also can provide the geolocation.

Publication
select all

General search

Advanced search

Keywords

File type

Media

Geolocation

NORDAMERIKA EUROPA ASIEN
SÜDAMERIKA AFRIKA
Atlantischer Ozean Indischer Ozean

Google Kartendaten © 2020 Nutzungsbedingungen

S/W coordinates

N/E coordinates

Last modified

Object-ID / Link-ID

Recipient

Save search

Search

The search for the last modification date can also be combined with other options.

Publication
select all

General search

Advanced search

Keywords

File type

Media

Geolocation

Last modified

from

to

Object-ID / Link-ID

Recipient

Save search

Search

The search for the object ID or the object hash (unique for an object), which can be used in access or download links, allows objects to be found by their ID. You can also search for the container ID (unique for the content).

This screenshot shows a search interface titled 'Publication'. It includes a dropdown menu set to 'select all' and several search filters: 'General search', 'Advanced search', 'Keywords', 'File type', 'Media', 'Geolocation', 'Last modified', 'Object-ID / Link-ID' (with a sub-field 'Object-ID / Link-ID'), 'Container ID', 'Recipient', and 'Save search'. A large green 'Search' button is at the bottom.

If you want to know which objects you have sent to a certain recipient, you can use the search for recipients.

This screenshot shows the same search interface as above, but with additional fields for 'Recipient' (labeled 'Recipient' and 'Sender') and 'from' and 'to' fields with small grid icons. The 'Save search' section includes a dropdown menu set to 'Select' and a checkbox for 'Save search'. A red 'X' icon is visible in the 'Select' dropdown menu.

You can save the search parameters and carry out the same search again at any time.

10.14 Search and replace

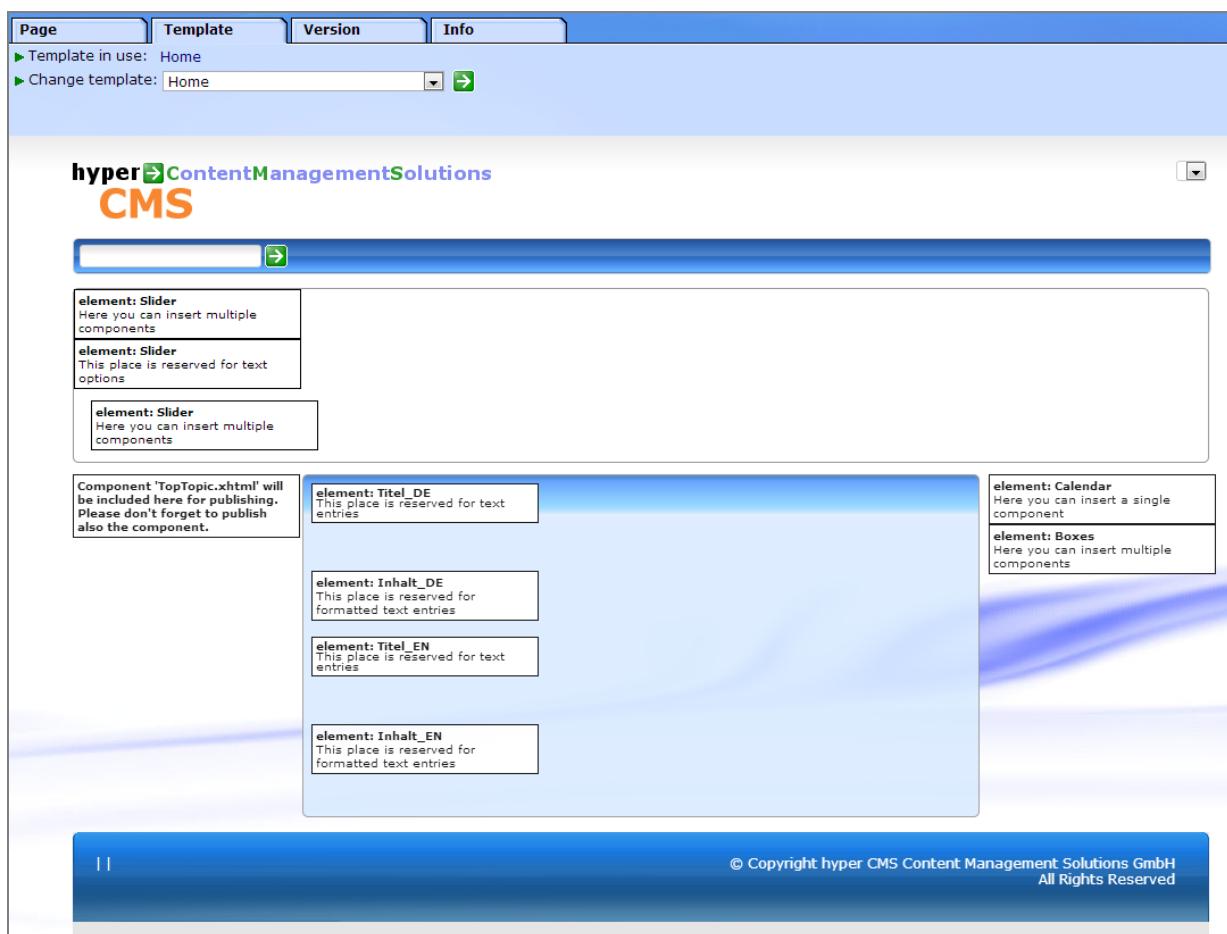
The search and replace function enables users to search and replace an expression automatically within multiple objects. All effected objects are displayed and can be checked once again before publishing them.



10.15 Changing a template

Page and component templates can be changed at any time. Select the second tab to choose a template. When selecting a template from the list, a preview is displayed which also shows the ID (Identification Number) of the editable Elements. By assigning another template you can hide elements or add additional elements (text, images, ...) to your page or component. All available templates are displayed in a list. By choosing a template from the list and clicking "ok", you assign it to the selected object.

Please note that changes to a component affect all pages where the component is embedded after publication.



10.16 Versioning of contents

All published contents or changes in assets are automatically tracked and logged by the version management system, which allows you to view the entire history of pages content. Each time an object is modified, a new version is created which allows editors to undo changes to this object at a later time. Older versions can be removed from the system as well.

Please note that the versioning of contents is completely independent from the layout. If you change the appearance of your website, previously created contents can be included without affecting the design.

Besides the page preview there is also an XML view.

Click the third tab to view these versions:

The screenshot shows the TYPO3 Backend interface for managing 'Products'. The top navigation bar shows 'DemoCMS > Products' and the file 'applications.php'. Below the navigation is a toolbar with various icons for search, preview, download, etc. The main content area has tabs: 'Page', 'Template', 'Version' (which is selected), and 'Information'. The 'Version' tab displays a list of versions for 'applications.php'. The columns are 'Version date', 'Name', 'Container', 'Compare', 'Current', and 'Delete'. The 'Name' column lists 'applications.xhtml' (multiple times) and 'applications.php' (multiple times). The 'Container' column shows 'XML' for all entries. The 'Current' column has radio buttons, with the last entry ('Current version') having a selected radio button. The 'Delete' column has empty checkboxes. At the bottom, there are buttons for 'Submit changes to versions' and 'Compare selected versions'.

Version date	Name	Container	Compare	Current	Delete
2015-03-13 12:52:05	applications.xhtml	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
2015-03-13 12:56:11	applications.xhtml	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
2015-03-13 13:03:11	applications.xhtml	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
2015-03-13 13:22:15	applications.xhtml	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
2015-03-13 13:34:44	applications.xhtml	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
2015-03-13 14:46:16	applications.xhtml	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
2015-03-13 15:17:54	applications.xhtml	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
2015-09-16 16:37:04	applications.xhtml	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
2016-11-09 20:32:26	applications.php	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
2016-11-09 20:32:44	applications.php	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
Current version	applications.php	XML	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>

You can also compare two version with each other to see and check the changes between them. To do so check the "compare" – checkbox of the two versions you want to compare and click the button next to "Compare selected versions".

This screenshot is identical to the one above, but it shows that the 'Compare' checkbox for the 'Current version' row is now checked. This indicates that a comparison has been initiated for the current version and the previous one.

The result will be displayed in a new window. Red colored text passages indicate that this content has been removed. On the other hand, the green colored text shows content that has been added.

Location: /DemoCMS/03_Customers/ Object: index.xhtml
Comparison of versions: 2013-05-06 18:57:26 / Current version
ID: Inhalt_DE
hyperCMS besitzt über eine-Dekade-an <ins>ein Jahrzehnt</ins> Erfahrung im Bereich Content Management und betreut eine grosse Anzahl an Benutzern in mehr als 20 verschiedenen Ländern. hyperCMS besitzt eine Reihe an Kunden aus den Branchen Handel, Handwerke, Finanz, Telekommunikation sowie Spezialunternehmen. Dabei vertraut man nicht nur unserem Produkt, sondern dank des breit gefächerten Know Hows im Bereich Content Management auch auf unsere Dienstleistungen. Dazu zählen u.A. Wirtschaftlichkeitsbetrachtungen (TCO), Organisationsberatung und Prozessberatung im Bereich Content Management bei Großunternehmen. Wir unterstützen unsere Kunden bei technologisch komplexen Projekten und sorgen für die technische Umsetzung. Die Integration von Datenbanken und Webservices zählen genauso dazu, wie die Implementierung des hyper Content Management Servers als zentrale Plattform. Aufgrund der Möglichkeit den hyper Content Management Server auch auf virtuellen Servern betreiben zu können, sind wir besonders stolz darauf, auch Kleinunternehmen zu unserem Kundenkreis zählen zu dürfen. Für einen Einblick in bereits realisierte Projekte, bieten wir Ihnen ein paar Fallbeispiele, die den hyper Content Management Server einsetzen.
ID: Inhalt_EN
hyperCMS brings more than a-decade <ins>ten years</ins> of expertise supporting a large amount of users in more than 20 different countries. hyperCMS has various customers in different industries, namely commerce, craftsmanship, financing, telecommunication, and specialized companies. It is not just our product our customers trust in, it is also our broad knowledge when it comes to content management services. Among these services, we offer total cost of ownership analyses, organisations consulting, and process consulting for major enterprises. We support our customers in technologically complex projects and take care of the technical implementation. The integration of data bases, web services, and the implementation of the hyper Content Management Server as a central platform also belong to our core capabilities. The hyper Content Management Server offers the possibility to be run on a virtual server. Therefore we are also proud to have also small and medium sized companies among our customers. To provide an insight into finished projects we offer some business cases that make use of the hyper Content Management Server.

10.17 Page and asset information

The fourth tab offers general information about a page or an asset:

The screenshot shows the 'Information' tab of an asset details interface. At the top, there are tabs for Asset, Template, Version, and Information. Below the tabs, the 'Information' section displays the following data:

Owner	demouser
Modified	2016-07-06 10:48
Published	
Container ID	0008298
Metadata template	default
File size	2 MB
Wrapper link	https://www.hypercms.com/cms_dev/?wl=00ydtjuu8havozf1
Download link	https://www.hypercms.com/cms_dev/?dl=00ydtjuu8havozf1
Access link	https://www.hypercms.com/cms_dev/?oal=00ydtjuu8havozf1
MD5 code of the file	73fdb8b54803bf11b116fabbe3dedfb1
Container usage	↗
Access statistics	↗
Meta information	↗
Recipients	↗

This view shows the owner of an object (user) various information about the object like the date of last change, date of last publication, the reference to the underlying content container, the assigned template and the file size in Kbytes.

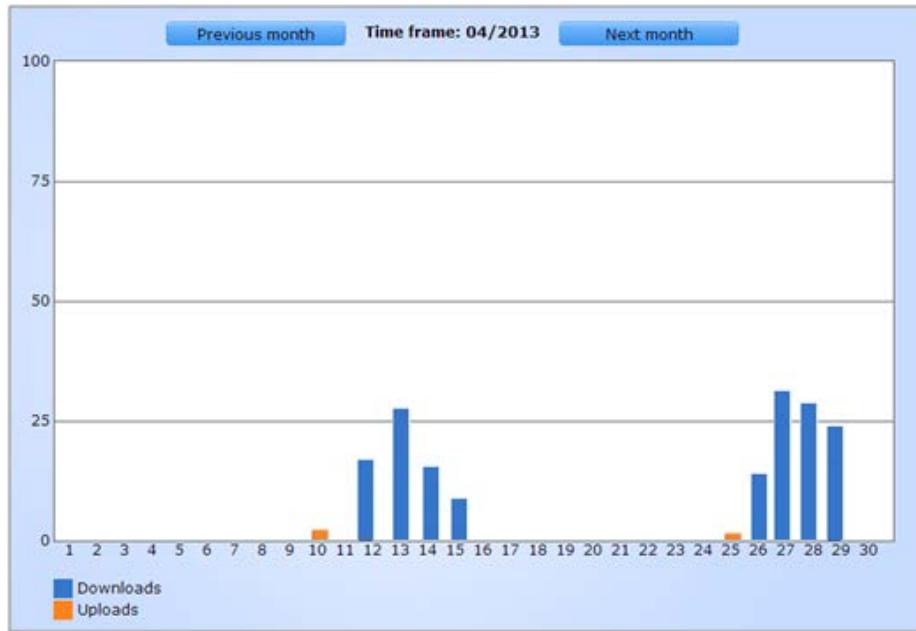
There are 3 types of links to multimedia files:

- **Direct Link:** This is a direct link to the file and only works on published websites. In Intranets, Extranets and Digital Asset Management Solutions the access can be restricted.
- **Wrapper Link:** This is an indirect access to a file via a wrapper. The wrappers depends on system configuration and can allow or block access. Even if the media files are all protected this can be used to give access to single files without being logged in the system.
- **Download Link:** This type of link forces the download of a file. The same rules as for Wrapper Links apply. Files that have been downloaded via this kind of link are recorded in the download statistic.
- **Access Link:** This link, if enabled, allows the automatic logon in the system and the access to the object. The permissions depend upon the general user, which has been assigned to the access link feature.

When using the link management you can also display additional information about components. By clicking "container usage" you can list all pages where the component has been embedded. By clicking an entry of this list you can go directly to a page or component to view or edit it.

For multimedia files a usage statistic is available. Precondition is that this file has been accessed via access or download link and not using a direct link.

The statistic offers a convenient way to see the activities of users for a certain asset within the months.



The button "Meta information" gives access to all meta information of a file.

File	
File Size	717 kB
File Modification Date/Time	2013:04:08 13:57:19+02:00
File Type	JPEG
MIME Type	image/jpeg
Exif Byte Order	Little-endian (Intel, II)
Current IPTC Digest	7cfea9029967bcb6e959bf0b43313ac1
Image Width	2500
Image Height	1664
Encoding Process	Baseline DCT, Huffman coding
Bits Per Sample	8
Color Components	3
Y Cb Cr Sub Sampling	YCbCr4:4:4 (1 1)
JFIF	
JFIF Version	1.02
EXIF	
Image Description	an abstract background image featuring colourful waves of light
Make	NIKON CORPORATION
Camera Model Name	NIKON D700
Orientation	Horizontal (normal)
X Resolution	300
Y Resolution	300
Resolution Unit	inches
Software	Adobe Photoshop CS4 Windows
Modify Date	2011:07:10 11:16:48
Copyright	www.freeimages.co.uk see site for terms of use
Exposure Time	1.9
F Number	8.0
Exposure Program	Manual
ISO	200

The button "Recipients" shows a list of users which the object was sent to via e-mail notification.

Date	User	e-mail	Delete
2013-04-30	User20130430150019	john.doe@hypercms.com	<input type="checkbox"/>
▶ Delete selected recipients: 			

If a workflow is linked to a page or component you can view its status by clicking the "Information"-tab. The status of a workflow is represented by a table, which lists all instances of a workflow as well as its members and the status of the document.

Workflow status				
Member type	Task	Member	Status	Date
Members on workflow stage 1				
User	Create new text	demouser	accepted	2019-11-13 16:34
Members on workflow stage 2				
User	Proofread content		pending/rejected	-
User group	Proofread content	Administrator	pending/rejected	-
Members on workflow stage 3				
User group	Check grammar	Administrator	pending/rejected	-
Members on workflow stage 4				
Robot script	Final release / Publish	-	pending/rejected	-

11 Legal reference / flag

11.1 Questions and suggestions

For advanced questions and suggestions, please contact the support. We are available for every question regarding our reseller- and partner-program. You can apply for an access to our enhanced Online-Demo of the hyper Content & Digital Asset Management Servers via our support.

hyperCMS Support:

www.hypercms.com
support@hypercms.com

11.2 Imprint

Responsible for the content:

hyperCMS
Content Management Solutions GmbH
Rembrandtstr. 35/6
A-1020 Vienna – Austria

office@hypercms.com
<http://www.hypercms.com>

11.3 Legal information

The present product information is based on the version of the program, which was available at the time the document was composed.

The maker reserves the rights of modifications and corrections of the program.
Errors and misapprehension accepted.

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