hyper➔Content & Digital Asset Management Server

CMS

Version 8.1

Programers Guide

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Index

1 Introduction

The following chapters deal with the function libraries of the hyper Content & Digital Asset Management Server and thus provide the documentation of the API (Application Programming Interface).
All libraries are located within the hyperCMS installation in the folder "function" and can be integrated and used in the respective scripts or templates. This can be used, for example, to create dynamic pages (applications) using the XML content repository.
If you run your application on a physically separated server, it is important that the function libraries are also available on the publication server. In this case you need to have access to the corresponding files on the publication server as well.

2 hyperCMS XML-Content-Repository

The XML content repository includes all XML Content Container and thus provides all content in native XML. The structure (schema) within an XML content container is dynamically generated based on the template used and has the following appearance:

```
<?xml version="1.0" encoding="UTF-8" ?>
<container>
  <hyperCMS>
    <contentcontainer>0000023.xml</contentcontainer>
    <contentxmlschema>object/page</contentxmlschema>
    <contentorigin>%page%/Publication/testpage.php</contentorigin>
    <contentobjects>%page%/Publication/testpage.php|%page%/ Publication/linkedcopy_of_testpage.php
|</contentobjects>
    <contentuser>demouser</contentuser>
    <contentcreated>2002-12-01 10:02:40</contentcreated>
    <contentdate>2004-11-26 14:32:33</contentdate>
    <contentpublished>2004-11-26 14:39:41</contentpublished>
   <contentstatus>active</contentstatus>
  </hyperCMS>
  <head>
    <pagetitle>test</pagetitle>
    <pageauthor>Mr. Content</pageauthor>
    <pagedescription>just a small demonstration</pagedescription>
    <pagekeywords>demo of XML</pagekeywords>
    <pagecontenttype>text/html; charset=UTF-8</pagecontenttype>
    <pagelanguage>de</pagelanguage>
    <pagerevisit></pagerevisit>
  </head>
  <textcollection>
    <text>
      <text_id>headline</text_id>
      <textuser>demouser</textuser>
      <textcontent>fgfdgfdg</textcontent>
    </text>
    <text>
      <text_id>summary</text_id>
      <textuser>demouser</textuser>
      <textcontent><![CDATA[This is a
      <STRONG><EM>summary</EM></STRONG>]]></textcontent>
    </text>
  </textcollection>
  <mediacollection>
    <media>
      <media_id>logo</media_id>
      <mediauser>otheruser</mediauser>
      <mediafile>Publication/demo_hcms0000033.jpg</mediafile>
      <mediaobject>%page%/Publication/Multimedia/demo.jpg</mediaobject>
      <mediaalttext>demoimage</mediaalttext>
      <mediaalign></mediaalign>
      <mediawidth>200</mediawidth>
      <mediaheight>100</mediaheight>
    </media>
  </mediacollection>
  <linkcollection>
    <link>
      <link_id>verweis</link_id>
      <linkuser>demouser</linkuser>
      <linkhref>http://localhost/index.php</linkhref>
      <linktarget>_blank</linktarget>
      <linktext>click me</linktext>
    </link>
  </linkcollection>
  <componentcollection>
    <component>
      <component_id>teasers</component_id>
      <componentuser>otheruser</componentuser>
      <componentcond>$customer == "private"</componentcond>
      <componentfiles>%comp%/Publication/teaser_1.php|%comp%/Publication/teaser_2.php|</componentfiles>
    </component>
    <component>
      <component_id>banner</component_id>
      <componentuser>demouser</componentuser>
      <componentcond></componentcond>
      <componentfiles>%comp%/banner.php</componentfiles>
    </component>
  </componentcollection>
  <articlecollection>
    <article>
      <article_id>news</article_id>
      <articletitle>Top News</articletitle>
      <articledatefrom>2002-10-01</articledatefrom>
      <articledateto>2002-11-01</articledateto>
      <articlestatus>active</articlestatus>
      <articleuser>demouser</articleuser>
      <articletextcollection>
        <text>
          <text_id>news:headline</text_id>
          <textuser>demouser</textuser>
          <textcontent>News from Scene</textcontent>
        </text>
      </articletextcollection>
      <articlemediacollection>
      </articlemediacollection>
      <articlelinkcollection>
      </articlelinkcollection>
      <articlecomponentcollection>
      </articlecomponentcollection>
    </article>
    <article>
      <article_id>special</article_id>
      <articletitle>Special Info</articletitle>
      <articledatefrom>2002-01-01</articledatefrom>
      <articledateto>2002-01-01</articledateto>
      <articlestatus>inactive</articlestatus>
      <articleuser>otheruser</articleuser>
      <articletextcollection>
        <text>
          <text_id>special:informations</text_id>
          <textuser>otheruser</textuser>
          <textcontent><![CDATA[<STRONG><FONT color=#cc0033>What is really going on behind the
Scene</FONT></STRONG>... find it out]]></textcontent>
        </text>
      </articletextcollection>
      <articlemediacollection>
      </articlemediacollection>
      <articlelinkcollection>
      </articlelinkcollection>
      <articlecomponentcollection>
      </articlecomponentcollection>
    </article>
  </articlecollection>
</container>
```

After a review of the content container, a structure can be seen, which is composed of the following main elements for content storage:

- hyperCMS specific information
- Meta-information
- Text
- Media (images or other multimedia files)
- Links
- Components
- Articles

The entire content is made up of these basic elements whose information is stored within XML tags.
Articles include the elements text, media and links as well. The entire contents of a page or component can be obtained from the associated content containers.

2.1 hyperCMS specific information

The data collected in this XML node represent primarily relevant information for the management of the container.

```
<hyperCMS>
  <contentcontainer>0000023.xml</contentcontainer>
  <contentxmlschema>object/page</contentxmlschema>
  <contentorigin>%page%/testpage.php</contentorigin>
  <contentobjects>%page%/testpage.php|%page%/linkedcopy_of_testpage.php |</contentobjects>
  <contentuser>demouser</contentuser>
  <contentdate>2002-11-26</contentdate>
  <contentpublished>2002-11-26</contentpublished>
 <contentstatus>active</contentstatus>
</hyperCMS>
```

Description:

contentcontainer	Name of the Content Container (unique for all publications)
contentxmlschema	Schema of the object: page (page) or component (comp)
contentorigin	Object (page or component) that led tot he creation of the Content Containers
contentobjects	All objects which use the Container
contentuser	Object owner (user)
contentdate	Date of the last changes of the Containers
contentpublished	Date of the last publishing of the object based on the Content Container
contentstatus	Status can be "active" if an object using the Cotainer exists. If all objects using the Container have been removed, the status will be set to "deleted". The Container therefore holds the last published information, but it can not be used anymore.

2.2 Meta-Information

The standard meta-information of a HTML page is described in this XML node.

```
<head>
  <pagetitle>test</pagetitle>
  <pageauthor>Mr. Content</pageauthor>
  <pagedescription>just a small demonstration</pagedescription>
  <pagekeywords>demo of XML</pagekeywords>
  <pagecontenttype>text/html; charset=UTF-8</pagecontenttype>
  <pagelanguage>de</pagelanguage>
  <pagerevisit></pagerevisit>
</head>
```

Description:

pagetitle	Page title
pageauthor	Author
pagedescription	Description of the content of a page
pagekeywords	List of keywords oft he page
pagecontenttype	Content-Type (character set) of the page or component
pagelanguage	Language shortcut of the page
pagerevisit	Search engine revisit of the page

2.3 Text

This XML-node stores the text.

```
<text>
  <text_id>headline</text_id>
  <textuser>demouser</textuser>
  <textcontent>fgfdgfdg</textcontent>
</text>
```

Description:

text_id	Text identification
textuser	Text owner (last changes of the Text by a user)
textcontent	text content

2.4 Media

This XML-node describes an included media file.

```
<media>
  <media_id>logo</media_id>
  <mediauser>otheruser</mediauser>
  <mediafile>Publication/demo_hcms0000033.jpg</mediafile>
  <mediaobject>%page%/Publication/Multimedia/demo.jpg</mediaobject>
  <mediaalttext>demoimage</mediaalttext>
  <mediaalign></mediaalign>
  <mediawidth>200</mediawidth>
  <mediaheight>100</mediaheight>
</media>
```

Description:

media_id	Media identification
mediauser	Media owner (last changes of the Media by a user)
mediafile	included multimedia file and declaration of the Publication
mediaobject	Location of the multimedia file
mediaalttext	Alternative text of the multimedia file
mediaalign	Alignment of the multimedia file
medawidth	Displayed width of the multimedia file
mediaheight	Displayed height of the multimedia file

2.5 Links

This XML-node describes the link to a page or file.

```
<link>
  <link_id>link</link_id>
  <linkuser>demouser</linkuser>
  <linkhref>http://localhost/index.php</linkhref>
  <linktarget>_blank</linktarget>
  <linktext>click me</linktext>
</link>
```

Description:

link_id	Link identification
linkuser	Link owner (last changes of the Link by a user)
linkhref	Reference (Link) to a page or file
linktarget	Target of the reference (name of the target frame)
linktext	Text describing the link

2.6 Components

This XML-node describes the reference to Components.

```
<component>
  <component_id>teasers</component_id>
  <componentuser>otheruser</componentuser>
  <componentcond>$customer == "private"</componentcond>
  <componentfiles>%comp%/teaser_1.php|%comp%/teaser_2.php|</componentfiles>
</component>
```

Description:

component_id	Component identification
componentuser	Component owner (last changes of the Component reference by a user)
componentcond	assigned customer Profile to the Component
componentfiles	Reference (Component-link) to a single or multiple Components

2.7 Articles

This XML-node describes the article information.

```
<article>
  <article_id>news</article_id>
  <articletitle>Top News</articletitle>
  <articledatefrom>2002-10-01</articledatefrom>
  <articledateto>2002-11-01</articledateto>
  <articlestatus>active</articlestatus>
  <articleuser>demouser</articleuser>
  <articletextcollection>
  </articletextcollection>
</article>
```

Description:

article_id	Article identification
articletitle	Title of the Article
articeldatefrom	Publishing date of the Article
articeldateto	End date of publishing the Article

articlestatus	Publishing settings of the Article:
	active = always published/displayed
	inactive = never published/displayed
	timeswitched = scheduled publishing/display

articleuser	Article owner (last changes of the Article by a user)
articlecollection	Holds all content of the Article

3 Function libraries

3.1 Including a library

The inclusion of a configuration or library requires that you know the absolute or relative path to the library. By using the function "require" or "require_once" and specifying the path to the library file all functions contained in the library will be available. Once the library is included, all functions can be used in the script.
To use the hyperCMS functions, the file "hypercms_api.inc.php" needs to be included. This file contains all functions required for programming.

```
// absolute path on MS Windows
require_once ("C:/inetpub/wwwroot/hypercms/function/hypercms_api.inc.php");

// relative path on MS Windows or Linux/UNIX
require_once ("function/hypercms_api.inc.php");
```

3.2 Loading the configuration

3.2.1 Content Management Server

To use the main configuration of hyperCMS the appropriate configuration file must be loaded. The main configuration will be loaded when including the hyperCMS API. However you can also load it in your script.
Using the variable $site for the identification of a publication, the publication can be loaded as well. The hyperCMS config file is located in "hypercms/config" and is named "config.inc.php". The publication config files are located in hyperCMS Data directory in the directory "data/config". Its filename holds the name of the publication as well as the ending "inc.php.", example: site.inc.php.

```
// Inlcude the main config file (please set the correct path):
require_once ("C:/inetpub/wwwroot/hypercms/config.inc.php");

// Include publication management config file
// Attention: Please use valid_publicationname to verify the name before including the file
if (valid_publicationname ($site))
{
  require_once ($mgmt_config['abs_path_data']."config/".$site.".conf.php");
}
```

The config files can be opened and read. Each parameter is described therein and is available for use in programs. Therefore, please take a look at the configuration to learn more about the parameters and their names.

If you want to set a specific language language, the variable $lang need to be set. $lang contains the language code, which is defined in the main configuration file "hypercms/config/config.inc.php".

```
// Set the language for messages in functions, German (de)
$lang = "de";
```

Since you want to use the hyperCMS API you need to include the hyperCMS API loader.

```
// Include the hyperCMS API:
require_once ($mgmt_config['abs_path_cms']."/function/hypercms_api.inc.php");
```

Now you can start using the API functions. For instance loading the content container of an object using various methods:

```
// Loading the page
$pagedata = loadfile ("%page%/MyPublication/home/", "index.php");

// Reading the name of the content container
$contentcontainer  = filepointer ($pagedata, "content");

// Loading the live content container from the content repository
$containerdata = loadcontainer ($contentcontainer, "published", $user);

// Or even more simple by using the direct path to the object
$containerdata = getobjectcontainer ("MyPublication", "%page%/MyPublication/home/",
"index.php", $user);
```

The functions will also load the publication specific configuration in case it is not provided. Since many features require the settings of a publication, it is advisable to include the configuration before you plan any actions.

3.2.2 Publication Server

Note that the configuration of the publication server (publication target) is stored separately in an INI file. If you will need the publication target settings, you must load and parse the INI file. After that you can access the settings as an array.
The INI file of the publication target is located in the external repository in the directory "repository/config". The file name corresponds to the name of the publication with the file extension ".ini".

```
// Load and parse the INI file using PHP
$publ_config = parse_ini_file ("C:/inetpub/wwwroot/repository/config/Mandant_1.ini");

// Access the settings oft he publication target
echo "This is the document root of the publication:".$publ_config[abs_publ_page];
```

3.3 Global variables

Many functions use global variables that are stored in the configuration and are available to functions as global. You should therefore take care that those global variable names of hyperCMS are not changed in your scripts.
The following list shows all global variables of hyperCMS, which must not be changed with in your own scripts:

```
$mgmt_config
$lang
$lang_name
$lang_shortcut
$lang_codepage
$lang_shortcut_default
```

Many global variables of hyperCMS are useful for use in hyperCMS scripts and PHP scripts, these are only available if the corresponding configuration has been loaded, or a hyperCMS script (used only during the publication process) is in use . Since this happened in the preview as well when publishing pages and components, these variables can be used in hyperCMS scripts. For dynamic applications that are executed each time a visitor accesses a page or component, the configuration must be integrated directly in the template, if hyperCMs variables are required.

Content Management Server:

$lang	language shortcut according to config.inc.php
$mgmt_config['url_path_cms'**]**	URL of the hyperCMS root directory according to config.inc.php
$mgmt_config['abs_path_cms'**]**	absolute path to the hyperCMS root directory according to config.inc.php
$mgmt_config['url_path_page'**]**	URL of the document root of the publication in the management system
$mgmt_config['abs_path_page'**]**	absolute of the document root of the publication in the management system
$mgmt_config['url_path_comp'**]**	URL of the component root directory of the publication in the management system
$mgmt_config['abs_path_comp'**]**	absolute path of the component root directory of the publication in the management system

Publication Server:
hyperCMS scripts can access variables at any time. The values are stored in the array $publ_config, but are also optionally available without the array. If the script/application will be executed at each access of a page or component on the publication target, the configuration file must be loaded separately.

$publ_config['url_publ_page'**]**	URL of the document root of the publication target
$publ_config['abs_publ_page’**]**	absolute path of the document root of the publication target
$publ_config['url_publ_comp’**]**	URL of the document root of the publication target
$publ_config['abs_publ_comp'**]**	absolute path of the document root of the publication target

Optional (deprected):

$url_publ_page	URL of the document root of the publication target
$abs_publ_page	absolute path of the document root of the publication target
$url_publ_comp	URL of the document root of the publication target
$abs_publ_comp	absolute path of the document root of the publication target

3.4 Template variables

There is also the possibility to use hyperCMS template variables in templates. These variables are a special feature, since they don not need to be used in hyperCMS script. Rather, they are placeholder for the value of a variable and can be used in any template.
This neutral form of the variables should primarily be used in templates, providing a more technology-neutral usage.
Please pay attention to the lower case of all variables!

%container% for the name of the content container of an object
%container_id% for the ID of the content container of an object
%objecthash% for the hash of an object
%object_id% for the ID of an object
%template% for the template file name of an object used
%publication% for the publication where the object is located
%url_location% for the absolute path (URL) of the location where the object is located
%abs_location% for the absolute path in the filesystem of the location where the object is located
%object% for the name of the object
%date% describes the current date (format: JJJJ-MM-TT)
%view% describes the display mode:
publish ... published
cmsview ... Editing view in EasyEdit mode
preview ... Preview
formedit ... Editing mode in form view
formlock ... form view with editing locked
formmeta ... Metadata in form view
template ... Template preview

To integrate media files (assets) we can make use of a path variable. When publishing a page or component, the path variable is for instance replaced by the URL (address) of the target of the publication:

%tplmedia% for the absolute path (URL) of the template media repository
%url_media% for the absolute path (URL) of the content media repository (Alternative **%media%** can be used)
%abs_media% for the absolute path in the filesystem of the content media repository

The document root of pages and components of the publication target can be provided as well:

%url_page% for the absolute path (URL) of the page root folder
%abs_page% for the absolute path in the filesystem of the page root folder
%url_comp% for the absolute path (URL) of the component root folder
%abs_comp% for the absolute path in the filesystem of the component root folder
%url_rep% for the absolute path (URL) of the external repository root folder
%abs_rep% for the absolute path in the filesystem of the external repository root folder
%url_ hypercms% for the absolute path (URL) of the hyperCMS root folder
%abs_hypercms% for the absolute path in the filesystem of the hyperCMS root folder

Please keep in mind to add a slash “/” to the end of the path variable, if you
would like to complement the variable with a continuative path.

Definition of the date format when the format-attribute is used in the textd-Tag:

%a	'am' or 'pm'
%A	'AM' or 'PM'
%d	day of the month, 2 digits with leading zeroes (01 to 31)
%D	day of the week, textual, short, eg "Fri"
%F	month, textual, long; eg "January"
%h	hour, 12-hour format (01 to 12)
%H	hour, 24-hour format (00 to 23)
%g	hour, 12-hour format without leading zeros (1 to 12)
%G	hour, 24-hour format without leading zeros (0 to 23)
%i	minutes (00 to 59)
%j	day of the month without leading zeros (1 to 31)
%l	day of the week, textual, long, eg "Friday"
%L	1 if leap year, otherwise - 0
%m	month (01 to 12)
%n	month without leading zeros (1 to 12)
%M	month, textual, short, eg "Jan"
%s	seconds (00 to 59)
%t	number of days in the month (28 to 31)
%w	day of the week, numeric (0, Sunday to 6, Saturday)
%Y	year, 4 digits, eg 2007
%y	year, 2 digits, eg "07"
%z	day of the year (1 to 366)

If you are using the hyperCMS APIs, it is often advisable to use the place holders %page% and %comp% to access the document root of pages and components. This path variables can be used only on the management side.
It should be noted that the variable is always paired with the publication name to form the root directory, eg:

%page%/%publication%/ .... Pages document root of the current publication

%page%/Publikationsname/ provides the path to root directory of the pages document root.
%comp%/Publikationsname/ provides the path to root directory of the components document root.

3.5 Object operation library

This library contains all functions for the manipulation of objects (pages, components or files). You should only use these functions to access objects that are managed by the system.

3.5.1 createfolder

Syntax:
createfolder ($site, $location, $foldernew, $user)

Description:
Creates a new folder.

Example:
$result = createfolder ("%publication%", "%page%/%publication%/", "company", "brown");

Input-Parameters:

$site	Name of the publication
$location	absolute path (location of the new folder)
$foldernew	Name of the new folder
$user	User name

globale Input-Parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:
$result[result]	True/False (has the folder been created successfully)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[folder]	Name of the folder

3.5.2 deletefolder

Syntax:
deletefolder ($site, $location, $folder, $user)

Description:
Removes an existing folder. The folder is removed only if it contains no more objects. All objects must therefore be removed by using the function deleteobject.

Example:
$result = deletefolder ("%publication%", "%page%/%publication%/", "company", "brown");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the folder)
$folder	Name of the folder
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:

$result[result]	True/False (has the folder been removed successfully)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[folder]	Name of the existing folder is not successful, otherwise empty

3.5.3 renamefolder

Syntax:
renamefolder ($site, $location, $folder, $foldernew, $user)

Description:
Renames an existing folder.

Example:
$result = renamefolder ("%publication%", "%page%/%publication%/", "company", "news", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the folder)
$folder	old folder name
$foldernew	new folder name
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:
$result[result]	True/False (Could the folder be renamed successfully)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[folder]	Name of the folder

3.5.4 createobject

Syntax:
createobject ($site, $location, $object, $template, $user)

Description:
Creates a new page or component based on a template. Please note that the location ($location) defines the category of the object (page/component) as well. This implies further that it the value of the parameter $template must provide a valid page or component template.

Example:
$result = createobject ("%publication%", "%page%/%publication%/", "index", "page_main", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the object)
$object	Name oft he new object (page or component)
$template	Name oft he page or component template (name of the template or template file name)
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:
$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[object]	File name of the page or component
$result[objectname]	Name of the page or component
$result[objecttype]	File-type or file extension of the file

3.5.5 deleteobject

Syntax:
deleteobject ($site, $location, $object, $user)

Description:
Removes an existing page, file or component.

Example:
$result = deleteobject ("%publication%", "%page%/%publication%/", "sales.doc", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	Name of the object
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:

$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[publication]	Name of the publication where the object is located
$result[location]	absolute path (location of the Object)
$result[object]	File name of the page, file or component
$result[objectname]	Name of the page, file or component
$result[objecttype]	File-type or file extension of the file

3.5.6 renameobject

Syntax:
renameobject ($site, $location, $object, $objectnew, $user)

Description:
Renames an existing page, file or component.

Example:
$result = renameobject ("%publication%", "%page%/%publication%/", "sales.doc", "best.doc", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	old name of the object
$objectnew	new name of the object (without file extension)
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:
$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[publication]	Name of the publication where the object is located
$result[location]	absolute path (location of the Object)
$result[object]	File name of the page, file or component
$result[objectname]	Name of the page, file or component
$result[objecttype]	File-type or file extension of the file

3.5.7 cutobject

Syntax:
cutobject ($site, $location, $object, $user)

Description:
Cut an existing page, file or component.

Example:
$result = cutobject ("%publication%", "%page%/%publication%/", "index.php", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	Name of the object
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:

$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[object]	File Name of the page, file or component
$result[objectname]	Name of the page, file or component
$result[objecttype]	File-type or file extension of the file
$result[clipboard]	temporary entry in the clipboard (can be passed as global variable $clipboard to the function pasteobject, so reading the temporary file is not necessary)

3.5.8 copyobject

Syntax:
copyobject ($site, $location, $object, $user)

Description:
Copy an existing page, file or component.

Example:
$result = copyobject ("%publication%", "%page%/%publication%/", "index.php", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	Name of the object
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:
$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[object]	File name of the page, file or component
$result[objectname]	Name of the page, file or component
$result[objecttype]	File-type or file extension of the file
$result[clipboard]	temporary entry in the clipboard (can be passed as global variable $clipboard to the function pasteobject, so reading the temporary file is not necessary)

3.5.9 copyconnectedobject

Syntax:
copyconnectedobject ($site, $location, $object, $user)

Description:
Connected copy an existing page, file or component sharing the same content container.

Example:
$result = copyconnectedobject ("%publication%", "%page%/%publication%/", "index.php", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	Name of the object
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:
$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[object]	File name of the page, file or component
$result[objectname]	Name of the page, file or component
$result[objecttype]	File-type or file extension of the file
$result[clipboard]	temporary entry in the clipboard (can be passed as global variable $clipboard to the function pasteobject, so reading the temporary file is not necessary)

3.5.10 pasteobject

Syntax:
pasteobject ($site, $location, $user)

Description:
Paste Einfügen an existing page, file or component.

Example:
$result = pasteobject ("%publication%", "%page%/%publication%/", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$user	User name
$clipboard	temporary entry in the clipboard (can be passed as global variable $clipboard to the function pasteobject, so reading the temporary file is not necessary)

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:
$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[publication]	Name of the publication where the object is located
$result[location]	absolute path (location of the Object)
$result[object]	File name of the page, file or component
$result[objectname]	Name of the page, file or component
$result[objecttype]	File-type or file extension of the file

3.5.11 lockobject

Syntax:
lockobject ($site, $location, $object, $user)

Description:
Locking of one or more existing pages or components based on the same content containers for the exclusive use of a user.

Example:
$result = lockobject ("%publication%", "%page%/%publication%/", "index.php","Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	Name of the object
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:

$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[object]	File name of the page, file or component
$result[objectname]	Name of the page, file or component
$result[objecttype]	File-type or file extension of the file

3.5.12 unlockobject

Syntax:
unlockobject ($site, $location, $object, $user)

Description:
Unlocking of one or more existing pages or components based on the same content containers for the exclusive use of a user.

Example:
$result = unlockobject ("%publication%", "%page%/%publication%/", "index.php", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	Name of the object
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:
$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message
$result[object]	File name of the page, file or component
$result[objectname]	Name of the page, file or component
$result[objecttype]	File-type or file extension of the file

3.5.13 publishobject

Syntax:
publishobject ($site, $location, $object, $user)

Description:
Publishing a page or component. All connected copies of the object and its content container will be published as well. If a workflow is in use and does not permit the publsihing, the object will not be published.

Example:
$result = publishobject ("%publication%", "%page%/%publication%/", "index.php", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	Name of the object
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:
$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message

3.5.14 unpublishobject

Syntax:
unpublishobject ($site, $location, $object, $user)

Description:
Unpublishing a page or component. Link and task management will be executed automatically. All connected copies of the object and its content containers will be unpublished as well.

Example:
$result = unpublishobject ("%publication%", "%page%/%publication%/", "index.php", "Miller");

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	Name of the object
$user	User name

global input parameters:
The following global input parameters need to be passed to the function:

$lang	Language setting or language shortcut, e.g. „en“, „de“

Output:

Array	Array $result holds the following information:
$result[result]	True/False (result of the action)
$result[add_onload]	JavaScript code for the onLoad event
$result[message]	Message regarding the result of the action or error message

3.5.15 getlinkedobject

Syntax:
getlinkedobject ($site, $location, $object, $cat)

Description:
This function extracts all objects that have a reference to the given object. This may be page or component links. If the object is a page, then all objects which have a page link to the object will be determined. If the object is a component, all objects which have a component link to the object will be determined.

Example:

```
$result = getlinkedobject ("%publication%", "%page%/%publication%/", "index.php",
"page");
```

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	Name of the object
$cat	optional: Objekt category [page, comp]

Output:

Array	Array $result holds the following information:
$result	False (action was not successful)
$result[publication]	Name of the publication where the object is located
$result[location]	absolute path (location of the Object)
$result[object]	Name of the object
$result[category]	Object category [page, comp]

3.5.16 getconnectedobject

Syntax:
getconnectedobject ($site, $container)

Description:
This function determines all objects that are based on the same content container.
The name of the content container of an object can be by extracted by the function "getfilename”.

Example:

```
$result = getconnectedobject ("%publication%", "0000127.xml");
```

Input parameters:

$site	Name of the publication
$container	Name of the content container

Output:

Array	Array $result holds the following information:
$result	False (action was not successful)
$result[publication]	Name of the publication where the object is located
$result[location]	absolute path (location of the Object)
$result[object]	Name of the object
$result[category]	Object category [page, comp]

3.5.17 getobjectcontainer

Syntax:
getobjectcontainer ($site, $location, $object, $user)

Description:
This function loads the content containers (XML string) of a particular object. The object can be a page, file, component or folder.
The desired content can be extracted from the XML-based container using the function “getcontent” or “selectcontent”.

Example:

```
$xmldata = getobjectcontainer ("%publication%", "%page%/%publication%/", "index.php",
"demouser");
```

Input parameters:

$site	Name of the publication
$location	absolute path (location of the Object)
$object	Name of the object
$user	User name

Output:

XML-String	Content of the content container
False	An error occured

3.6 Edit content

The programmatic editing of an object contents is shown by the following example. Note the function settext, which is used to manipulate text contents of an object, for more details see the Set API function library.

```
// load object file information
$objectinfo = getobjectinfo ("%publication%", "%page%/%publication%/Home/",
"index.php", "demouser", $container_version="");

// load content container (work status)
$contentdata = loadcontainer ($objectinfo['container_id'], "work", "demouser");

// set a new text
$text = array();
$type = array();
$textuser = array();
$text['Title'] = “My new title”;
$type['Title'] = “u”;
$textuser['Title'] = “demouser”;
$text['Description'] = “My new description”;
$type['Description'] = “f”;
$textuser['Description'] = “demouser”;

$containerdata = settext ("%publication%", $contentdata, $objectinfo['container'], $text,
$type, "no", $textuser, "demouser");

// save working xml content container file
if (!empty ($containerdata)) $result = savecontainer ($objectinfo['container_id'], "work",
$containerdata, "demouser");
```

3.7 File operation library

The following functions for file operations should never be used to load or save objects (pages, components or files).
However you can use them to load and save XML content container, if you intend to develop extensions or applications.

3.7.1 loadfile

Syntax:
loadfile ($abs_path, $filename)

Description:
This function loads the content of a file. The absolute path and the filename itself must be provided as input parameters. The function waits usually up to 3 seconds to load locked files. If the user parameter $user is set, the function can also read locked files of the given user.

Example:
$data = loadfile ("%page%/%publication%/home/", "index.php");

Input parameters:

$abs_path	absolute path of the file, %page% and %comp% can be used as the root elements of the path
$filename	file name

Output:

File content	The function was executed successfully and returns the content of the file
False	An error occured

3.7.2 savefile

Syntax:
savefile ($abs_path, $filename, $filedata)

Description:
This function saved content in files. The absolute path of the file name, and the content that will be written to the file needs to be passed as parameters. If the file is locked, it will not be saved and False will be returned.

Example:
$result = savefile ("%page%/%publication%/home/", "index.php", "text content");

Input parameters:

$abs_path	absolute path of the file, %page% and %comp% can be used as the root elements of the path
$filename	file name
$filedata	Content that will be saved in the file

Output:

True	The function was executed successfully
False	An error occured

3.7.3 loadlockfile

Syntax:
loadlockfile ($user, $abs_path, $filename)

Description:
This function allows to load the content of a file like the function ”loadfile”, but it is also triggers a locking mechanism for the file.
The function should only be used when the data will be saved again using the function “savelockfile”. This ensures that no other write access by other users can take place.
The user, the absolute path and the filename itself must be passed as a parameter to load and lock the file. To save and unlock the file the function “savelockfile” must be used.

Example:
$data = loadlockfile ("Miller", "%page%/%publication%/home/", "index.php");

Input parameters:

$user	User name of the user who locked the file
$abs_path	absolute path of the file, %page% and %comp% can be used as the root elements of the path
$filename	file name

Output:

File content	The function was executed successfully und liefert den Inhalt der Datei
False	An error occured

3.7.4 savelockfile

Syntax:
savelockfile ($user, $abs_path, $filename, $filedata)

Description:
The function “savefile” saved data and unlocks previously opened files using “ loadlockfile”. For this purpose, the user, the absolute path, the file name, and the content that needs to be written to the file must be passed as parameters.

Example:
savelockfile ("Miller", "%page%/%publication%/home/", "index.php", "file content");

Input parameters:

$user	User name of the user who locked the file
$abs_path	absolute path of the file, %page% and %comp% can be used as the root elements of the path
$filename	file name
$filedata	Content that will be saved in the file

Output:

True	The function was executed successfully
False	An error occured

3.7.5 lockfile

Syntax:
lockfile ($user, $abs_path, $filename)

Description:
The function “lockfile” locks a file for a specific user, so its available for the exclusive use. For this purpose, the user, the absolute path and the file name must be passed as a parameters.

Example:
lockfile ("Miller", "%page%/%publication%/home/", "index.php");

Input parameters:

$user	User name of the user who locked the file
$abs_path	absolute path of the file, %page% and %comp% can be used as the root elements of the path
$filename	file name

Output:

True	The function was executed successfully
False	An error occured

3.7.6 unlockfile

Syntax:
unlockfile ($user, $abs_path, $filename)

Description:
The function “unlockfile” unlocks files that have been previously locked by “lockfile” or opened by “loadlockfile”. For this purpose, the user, the absolute path and the file name must be passed as a parameters.

Example:
unlockfile ("Miller", "%page%/%publication%/home/", "index.php");

Input parameters:

$user	User name of the user who locked the file
$abs_path	absolute path of the file, %page% and %comp% can be used as the root elements of the path
$filename	file name

Output:

True	The function was executed successfully
False	An error occured

3.7.7 deletefile

Syntax:
deletefile ($location, $file, $recursive)

Description:
With “deletefile” files and (empty) folders can be deleted. The absolute path, the file or directory name, and a parameter "recursive", which is either (0) or (1), need to be passed. If recursive is set to 1 the entire contents of the directory will be processed, including subdirectories and their files, using the value 0 only the file or directory (if empty) will be removed.

Example:
deletefile ("%page%/%publication%/home/", "index.php", 0);

Input parameters:

$abs_path	absolute path of the file, %page% and %comp% can be used as the root elements of the path
$file	file name
$recursive	0 or 1, if subdirectories should removed recursively as well

Output:

True	The function was executed successfully
False	An error occured

3.7.8 appendfile

Syntax:
append ($abs_path, $filename, $filedata)

Description:
With “appendfile” content can be added to a file. The function does not overwrite existing data of a file, it appends the data at the file end. For this the absolute path, the file name, and the content that needs to be written to the file must be passed as parameters.

Example:
appendfile ("%page%/%publication%/home/", "index.php", "© 2003 ...");

Input parameters:

$abs_path	absolute path of the file, %page% and %comp% can be used as the root elements of the path
$filename	file name
$filedata	Content that will be appended to the file

Output:

True	The function was executed successfully
False	An error occured

3.8 XML library

The following functions allow yout to read and write content from XML content container. You can optionally query the contents of the container with other technologies that can deal with XML. However, the Edit Content library offers a very simple and performant way of doing this.

3.8.1 setxmlparameter

Syntax:
setxmlparameter ($xmldata, $parameter, $value)

Description:
Set a specific value oft he XML declaration (1.row).

Example:

```
$xmldata = setxmlparameter ($xmldata, "encoding", "UTF-8");
```

Input parameters:

$xmldata	XML string that should be manipulated
$parameter	Name of the tag that should be manipulated
$value	Value saved in the tag

Output:

XML-String	Return of the manipulated XML string
False	An error occured

3.8.2 getcontent

Syntax:
getcontent ($xmldata, $tag)

Description:
Retrieves the XML content from the content container that is located inside the tags $tag. An array containing all content or childs found will be returned.

Example:

```
// Get all text-childs from the content container
$text_array = getcontent ($xmldata, "<text>");

// Show all text-childs
foreach ($text_array as $text) echo $text;
```

Input parameters:

$xmldata	XML string holding the content
$tag	Name of the tag holding the information or child nodes

Output:

Array	Array holding all found values, the first value can be accessed using the first array element (Array[0])
False	An error occured

3.8.3 getxmlcontent

Syntax:
getxmlcontent ($xmldata, $tag)

Description:
Retrieves the XML content from a content container that is located inside the tags $tag and leaves in contrast to the function “getcontent” the XML tags in the return value (array). An entire node (well-formed) will therefore be returned.
An array containing all content and childs found will be returned and can be stored and used in a variable of type array.

Example:

```
$text_array = getxmlcontent ($xmldata, "<text>");
foreach ($text_array as $text) echo $text;
```

Input parameters:

$xmldata	XML string holding the content
$tag	Name of the tag holding the information or child nodes

Output:

Array	Array holding all found values, the first value can be accessed using the first array element (Array[0])
False	An error occured

3.8.4 selectcontent

Syntax:
selectcontent ($xmldata, $parenttag, $childtag, $childvalue)

Description:
Retrieves the XML content defined by the tag $parenttag from the content container, where the childtag $childtag has a certain value $value.
An array with all items found will be returned and can be stored and used in a variable of type array.

Example:
Extract of a content container:

```
…..
<text>
  <text_id>summary</text_id>
  <textuser>editor1</textuser>
  <textcontent>This is my summary!</textcontent>
</text>
…..

// Get all text-childs with id=summary
$text_array = selectcontent ($xmldata, "<text>", "<text_id>", "summary");

// Extract the summary from the found content
foreach ($text_array as $text)
{
  $summary = getcontent ($text, "<textcontent>");
}
```

Input parameters:

$xmldata XML string holding the content
$parenttag Name of the tag holding the information or child nodes
$childtag optional: XML tag that encloses the information that must be of a certain value
$childvalue optional: Value of the condition, the wildcard character * can be used at the beginning and/or end of the term and is a wildcard for any further characters.

Output:

Array Array holding all found values, the first value can be accessed using the first array element (Array[0])
False An error occured

3.8.5 selectxmlcontent

Syntax:

selectxmlcontent ($xmldata, $parenttag, $childtag, $childvalue)

Description:

Retrieves the XML content defined by the tag $parenttag from the content container, where the childtag $childtag has a certain value $value. In contrast to the function “getcontent” the parent tags are included in the return value (array).
An array with all items found will be returned and can be stored and used in a variable of type array.

Example:
Extract of a content container:

```
…..
<text>
  <text_id>summary</text_id>
  <textuser>editor1</textuser>
  <textcontent>This is my summary!</textcontent>
</text>
…..

// Get all text-childs with id=summary
$text_array = selectxmlcontent ($xmldata, "<text>", "<text_id>", "summary");

// Extract the summary from the found content
foreach ($text_array as $text)
{
  $summary = getcontent ($text, "<textcontent>");
}
```

Input parameters:

$xmldata XML string holding the content
$parenttag Name of the tag holding the information or child nodes
$childtag optional: XML tag that encloses the information that must be of a certain value
$childvalue optional: Value of the condition, the wildcard character * can be used at the beginning and/or end of the term and is a wildcard for any further characters.

Output:

Array Array holding all found values, the first value can be accessed using the first array element (Array[0])
False An error occured

3.8.6 deletecontent

Syntax:
deletecontent ($xmldata, $tagname, $condtag, $condvalue)

Description:
Removes the entire XML content defined by the tag $tagname. For the selection of a certain child the appropriate XML childtag $condtag and the enclosed information as $condvalue as condition can be passed.

Example:
Extract of a content container:

```
…..
<text>
  <text_id>condition</text_id>
  <textuser>editor1</textuser>
  <textcontent>This is my summary!</textcontent>
</text>
…..

$xmldata = deletecontent ($xmldata, "<text>", "<text_id>", "bedingung");
```

Input parameters:

$xmldata	XML string holding the content
$parenttag	Name of the tag holding the information or child nodes that should be removed
$condtag	optional: XML tag that encloses the information that must be of a certain value
$condvalue	optional: Value of the condition

Output:

XML-String	Return of the manipulated XML string
False	An error occured

3.8.7 setcontent

Syntax:
setcontent ($xmldata, $parenttagname, $tagname, $contentnew, $condtag, $condvalue)

Description:
An XML string is passed and within a certain parent node ($parenttagname) a certain parameter ($condtag) must exists and must have a certain value ($condvalue). If the condition is satisfied, the value of the parameter $tagname will be replaced by the new value $contentnew.

Example:
Extract of a content container:

```
.....
<text>
  <text_id>condition</text_id>
  <textuser>editor1</textuser>
  <textcontent>This is should set!<textcontent>
</text>
.....
```

```
$xmldata = setcontent ($xmldata, "<text>", "<textcontent>", "This is my new value!",
"<text_id>", "condition");
```

Input parameters:

$xmldata	XML string holding the content
$parenttagname	optional: XML parent tag
$tagname	optional: XML child tag, that value should be replaced (if the condition is met)
$contentnew	new value for the XML child tag $tagmame
$condtag	optional: XML tag that encloses the information that must be of a certain value
$condvalue	optional: Value for the condition

Output:

XML-String	Return of the manipulated XML string
False	An error occured

3.8.8 updatecontent

Syntax:
updatecontent ($xmldata, $xmlnode, $xmlnodenew)

Description:
All XML strings $xmlnode will be replaced by a new XML string $xmlnodenew in $xmldata. This method is faster than „setcontent” when the updated XML node has already been extracted from the container.

Example:
Extract of a content container:

```
…..
<text>
  <text_id>condition</text_id>
  <textuser>editor1</textuser>
  <textcontent>This is old content!<textcontent>
</text>
…..
```

```
$xmldata = updatecontent ($xmldata, "<textcontent>This is old content!<textcontent> ",
"<textcontent>This is my new content!<textcontent>");
```

Input parameters:

$xmldata	XML string holding the content
$xmlnode	XML string to be replaced (node or substring of $xmldata)
$xmlnodenew	optional: new XML string, if empty, the existing XML string will be removed.

Output:

XML-String	Return of the manipulated XML string
False	An error occured

3.8.9 insertcontent

Syntax:
insertcontent ($xmldata, $insertxmldata, $tagname)

Description:
Inserts an XML string (child node) before the end tag of the given XML parent tag. The modifiied XML string will be returned.

Example:
Extract of a content container:

```
…..
  <articletextlist>
    <text>
      <text_id>art1:summary</text_id>
      <textuser>editor1</textuser>
      <textcontent>This is my summary!</textcontent>
    </text>
---------- The new child node will be inserted here ------------
    <text>
      <text_id>art1:longtext</text_id>
      <textuser>editor1</textuser>
      <textcontent>This is my summary!</textcontent>
    </text>
---------------------------------------------------------
  </articletextlist>
…..
```

```
$xmldata = insertcontent ($xmldata, $insertxmldata, "<articletextlist>");
```

Input parameters:

$xmldata	XML string holding the content
$insertxmldata	XML string that will be inserted
$tagname	optional: Include xml string before the end tag of the given XML parent tag

Output:

XML-String	Return of the manipulated XML string
False	An error occured

3.8.10 addcontent

Syntax:
addcontent ($xmldata, $sub_xmldata, $grandtagname, $condtag, $condvalue, $parenttagname, $tagname, $contentnew)

Description:
Within a parent node a child node will be added, provided that a certain value in the overlying grandparent node meets the condition. In the child node a value can be set as well. The modified XML string will be returned.

Example:
Extract of a content container:

```
…..
<article>
  <article_id>art1</article_id>
  <articletitle></articletitle>
  <articledatefrom></articledatefrom>
  <articledateto></articledateto>
  <articlestatus>active</articlestatus>
  <articleuser></articleuser>
  <articletextlist>
    <text>
      <text_id>art1:summary</text_id>
      <textuser>editor1</textuser>
      <textcontent>This is my summary!</textcontent>
    </text>
---------- The new child node will be inserted here ------------
    <text>
      <text_id>art1:longtext</text_id>
      <textuser>editor1</textuser>
      <textcontent>This is my summary!</textcontent>
    </text>
----------------------------------------------------------
  </articletextlist>
</article>
…..
```

```
$xmldata = addcontent ($xmldata, $sub_xmldata, "<article>", "<article_id>", "art1", "<articletextlist>", "<text_id>", "art1:longtext");
```

Input parameters:

$xmldata	XML string holding the content
$sub_xmldata	XML string that will be inserted
$grandtagname	XML child tag where the $sub_xmldata should be embedded
$condtag	optional: XML tag that encloses the information that must be of a certain value
$condvalue	optional: Value for the condition
$parenttagname	optional: XML child tag, where $sub_xmldata should be embedded
$tagname	optional: Child tag of the embedded XML string where a value will be set
$contentnew	optional: Value for the $tagname

Output:

XML-String	Return of the manipulated XML string
False	An error occured

3.9 Meta Data Generator library

This function library allows you to automatically create keyword lists and a description from a given content. This can be used to automatically generate and fill in metadata for pages.
The meta data from multimedia files can be extracted and stored in the container of an object.

3.9.1 getmetakeywords

Syntax:
getkeywords ($text, $language, $charset)

Description:
The function requires the text content to be passed as input. All keywords are determined from the text and returned as a keyword list.

Example:
$keywords = getkeywords ("This is just a short text.", "en", "UTF-8");

Input parameters:

$text	Content als String
$language	optional: Language [en, de], default is "en"
$charset	optional: Character set, default is "UTF-8"

Output:

Keywords	Comma seperated list of keywords
False	An error occured

3.9.2 getmetadescription

Syntax:
getdescription ($text, $charset)

Description:
The function requires the text content to be passed as input. A brief description from the given text will be extracted and returned.

Example:
$keywords = getdescription ("This is just a short text.", "UTF-8");

Input parameters:

$text	Content as string
$charset	optional: Character set, default is "UTF-8"

Output:

Keywords	Short description of the content
False	An error occured

3.10 Notifications library

This function library sends automated messages to a user based on limits of a certain value of a particular field.
The user receives a pre-formatted message with information (links) to all objects that are within the search area (date upper and lower limit).

3.10.1 licensenotification

Syntax:
licensenotification ($site, $cat, $folderpath, $text_id, $date_begin, $date_end, $user)

Description:
The function returns all objects due to the specified search range (location and date limits) and sends an e-mail to a specific user with links to all the affected objects.

Example:

```
// set language for mail message
$lang = "en";

// send mail to Miller
$result = licensenotification ("%publication%", "%comp%/%publication%/images/", "comp",
"valid_date", "2012-09-01", "2012-09-30", "Miller");
```

Input parameters:

$site	Name of the publication
$cat	Object category [page, comp]
$folderpath	Location for the defintion of the search area
$text_id	Text ID of the XML node that need to be analyzed
$date_begin	Start date for the seach (YYYY-MM-DD)
$date_end	End date for the seach (YYYY-MM-DD)
$user	User name

Output:

True	Mail wurdwas send successfully
False	An error occured

4 Components and applications

If applications are integrated into components and variables need to be passed from a page to a component, you need to pay attention to the following:
The components must be integrated via the file system (not via HTTP).
All variables to be passed to the component need to be defined in the component as global.

Example:
A page passes a variable to a component.

Code example of a page:

```
<html>
<head>
<title>page</title>
<head>
<body>
<?php $test="This is just a test!"; ?>
[hyperCMS:components id='component']
</body>
</html>
```

The code of the component must be as followed:

```
<p>
<?php
global $test;
echo $test;
?>
</p>
```

In the example, the variable $test and its value "This is just a test!" will be passed to the component and will be displayed in the presentation of the component.

5 Database Connectivity

The Database Connectivity of the hyper Content Management Server allows the connection of different databases for the storage and retrieval of content. Relational databases are widely used as an external content repository.
For this purpose, a corresponding hyperCMS tag for the Database Connectivity need to be present in each template, which then refers to a DB-Connect file.
In this file functions are stored that hyperCMS will call, provided that the template points to the function file.
The contents are read from the database and will be displayed to the editor. If the editor modifies the content, it will be written to the database again. For read and write access different databases can be accessed as well. The functions in the DB Connect File offer only the shell or standardized interface to hyperCMS that needs to be filled by the programmer.

The subject of database integration is complex and need to be treated individual, since existing databases and their information must be integrated. hyperCMS does not provide any ER model or commits itself to specific database vendors. In general it can be said that all the possibilities of PHP can be exploited in order to connect to various data sources.

Besides the necessary parameters for queries to relational databases, the entire content conatiner is passed as an XML string. This allows documents or content from the content repository to be stored as a node in XML databases as well.

You therfore decide from which sources you read and save data. With PHP you have a powerful language that gives you access to all major databases.

More information regarding the functions of PHP can be found here: http://www.php.net

5.1 Creating a Database Connectivity

If you want to create a Database Connectivity, you need to make a copy of the the file “db_connect_default.php”. This file can be found in the root directory for storing the management data under the following path: /data /db_connect/
The copy of the file should be named according to the database you want to connect with.

Open the file and gain insight into the functions. In the source code you will also find a description of the functions and parameters passed as well as the output parameters.

The following example will show a read access to a MySQL database in order to extract a text content. We assume that in a table "TextContent" the content will be presented by the primary key "container_id" and "text_id" as well as the text content "text" itself and the text-type "type". The user and the article ID is not stored separately, this is also not necessary for the uniqueness of the content, because the ID of the content container as well as the ID of the element already provides the primary key.

```
// =========================== db connect  =============================
// this file allows you to access a database using the full PHP functionality.
// you can read or write data from or into a database:

// ========================= read from database ===========================
// the following parameter values are passed to each function for
// retrieving data from the database:
// name of the site: $site [string]
// name of the content container: $container_id [string] (is unique
// inside hyperCMS over all sites)
// content container: $container_content [XML-string]
// identification name: $id [string]

// --------------------------------- text -------------------------------------
// if content is text
function db_read_text ($site, $content_id, $container_content, $id, $art_id, $user)
{
  //-------------------------------------------------------------------------
  // input variables: $id [string], optional: $artid [string], $user [string
  // return value: $text [array]
  //             the array must exactly look like this:
  //             $text[text], optional: $text[type]
  //             constraints/accepted values for article type, see note below
  // note: special characters in $text are escaped into
  //       their html/xml equivalents.
  //       you can decide between unformatted, formatted and
  //       optional text using $type:
  //       unformatted text: $text[type] = textu
  //       formatted text: $text[type] = textf
  //       text option: $text[type] = textl
  //-------------------------------------------------------------------------

  $user = "username";
  $password  = "password";
  $database = "database";

  // connect to database
  mysql_connect ("localhost", $user, $password);
  @mysql_select_db ($database) or die ("Unable to select database");

  // fire SQL-query
  $result = mysql_query ("SELECT Text, Type FROM TextContent WHERE
         container_id=$container_id AND text_id=$id);

  // count returned rows, must be 1 if unique
  $num_of_rows = mysql_num_rows ($result);

  // get the result into an array namend $row
  if ($num_of_rows == 1)
  {
    $row = mysql_fetch_row ($result);

    // set values
    $text[text] = $row[0];
    $text[type] = $row[1];
  }
  else $text = false;

  // close connection
  mysql_close ();

  // return result
  return $text;
}
```

6 Event System

The hyper Content & Digital Asset Management Server provides an event system that allows automated execution of actions when events in the system will be executed. This can be used, for example, to automate manual processes.
Events are usually started by the user by selecting an action, e.g. publishing a page. If he corresponding event is enabled, the event "onpublishobject" will be called after successful execution of the publication process of the page. The functions defined therein will therfore be executed.
The events of the event system can be defined in the "hypercms_eventsys.inc.php" file. This file is located in the internal repository in the folder "data/event system". In this file there are also other important instructions that must be followed during the execution of events.

The event system is valid within the management system for all publications. The system is part of the hyperCMS API and is thus performed on each invocation of the API functions.

Events can be activated and deactivated, so that the use of its defined events can be easily controlled in the "hypercms_eventsys.inc.php" file.
There is a distinction between PRE and POST events. The PRE event will be fired before the actual execution of the called action, while the POST event is called after the successful execution of the action.

Example:
When publishing an object, the page “index.php” located at the same position should be automatically published as well, since the page “index.php” is used to generate an overview using a hyperCMS script all objects of the same folder.

```
// ----------------------------------- on publish object POST event --------------------------------------
function onpublishobject_post ($site, $cat, $location, $object, $user)
{
  // load configuration
  include_once ("config.inc.php");

  // hide the event used in your action (1) otherwise execute event (0)
  $eventsystem[hide] = 1;

  // insert your program code here
  $result = publishobject ($site, $location, "index.php", $user);

  // return true if successful
  if ($result[result) == true) return true;
  else return false;
}
```

7 hyperCMS API Function Reference

The documentation of all API functions in the current version is also available on our website hypercms.com. You can view the documentation in its current version directly in the browser. Click on the ?-Icon in the template editor to access the help with all hyperCMS tags and API functions.

7.1 Main API Functions

7.1.1 correctnumber

Syntax
correctnumber ($number)

Input parameters

$number ... formated number [string]

global input parameters

$mgmt_config

Output

correct mathematical number / false on error

7.1.2 cleancontent

Description
Removes all HTML tags, scripts and other special characters from the content in order to create a plain text

Syntax
cleancontent ($text, $charset="UTF-8")

Input parameters

$text ... text [string or array]

$charset ... character set [string] (optional)

global input parameters

$mgmt_config

Output

cleaned text / false on error

7.1.3 remove_utf8_bom

Description
Remove UTF-8 BOM sequences

Syntax
remove_utf8_bom ($text)

Input parameters

$text ... text [string]

Output

cleaned text / false on error

7.1.4 convert_utf8

Syntax
convert_utf8 ($in)

Input parameters

$in ... expression [string or array]

Output

UTF-8 converted expression / original expression on error

7.1.5 convertchars

Syntax
convertchars ($expression, $charset_from="UTF-8", $charset_to="UTF-8")

Input parameters

$expression ... expression [string or array]

$charset_from ... input character set [string] (optional)

$charset_to ... output character set [string] (optional)

global input parameters

$mgmt_config

Output

converted expression / original expression on error

7.1.6 specialchr

Description
Tests if an expression includes special characters (true) or does not (false).
Allows you to accept characters through including it into $accept (e.g. #$...)

Syntax
specialchr ($expression, $accept="")

Input parameters

$expression ... expression [string]

$accept ... list of characters to be excluded from search [string] (optional)

Output

true/false

7.1.7 specialchr_encode

Description
Renames all special characters for file names to an expression according to given rules

Syntax
specialchr_encode ($expression, $remove="no")

Input parameters

$expression ... expression [string]

$remove ... remove all special characters [yes, no]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

expression without special characters (for file names)

7.1.8 specialchr_decode

Description
This is the decode function for function specialchr_encode

Syntax
specialchr_decode ($expression)

Input parameters

$expression ... expression [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

expression with special characters (for file names) / false

7.1.9 convertdate

Description
This function converts a date to a different time zone and format.

Syntax
convertdate ($date, $timezone1, $dateformat1="Y-m-d H:i:s", $timezone2, $dateformat2="Y-m-d H:i:s")

Input parameters

$date ... date and time [string]

$timezone1 ... time zone source [string]

$dateformat1 ... source date format [string] (optional)

$timezone2 ... time zone target [string]

$dateformat2 ... target date format [string] (optional)

Output

converted date as tring / false

7.1.10 offsettime

Description
This function calculates the offset time from UTC (Coordinated Universal Time).

Syntax
offsettime ()

Input parameters

Output

offset time in hh:mm from UTC

7.1.11 object_exists

Description
This function verifies if an object exists already.

Syntax
object_exists ($path)

Input parameters

$path ... path to an object [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

true / false

7.1.12 is_utf8

Description

This function is an alternative to mb_check_encoding (which requires an extra PHP module). It is not failsave!

Syntax
is_utf8 ($str)

Input parameters

$str ... expression [string]

Output

if string is utf-8 encoded true / false otherwise

7.1.13 is_latin1

Description
This function is an alternative to mb_check_encoding (which requires an extra PHP module). It is not failsave!

Syntax
is_latin1 ($str)

Input parameters

$str ... expression [string]

Output

if string is latin 1 encoded true / false otherwise

7.1.14 makestring

Syntax
makestring ($array)

Input parameters

$array ... (multidimensional) array

Output

string including all array values / false on error

7.1.15 splitstring

Syntax

splitstring ($string)

Input parameters

$string ... string with ";" or ", " as seperator [string]

Output

array with string splitted into array / false on error

7.1.16 is_folder

Description
Checks if the provided path to an object is a folder

Syntax
is_folder ($path)

Input parameters

$path ... path to any object [string]

global input parameters

$mgmt_config

Output

true / false

7.1.17 is_emptyfolder

Description
Checks if a directory/folder is empty (has no published objects or other files)

Syntax
is_emptyfolder ($dir)

Input parameters

$dir ... path to folder [string]

global input parameters

$mgmt_config

Output

true / false

7.1.18 is_supported

Description
This function determines if a certain file type by its file extension is supported by the systems media conversion

Syntax
is_supported ($preview_array, $file)

Input parameters

$preview_array ... preview array holding the supported file extensions as key and references to executables as value [array]

$file ... file name or file extension [string]

Output

true / false

7.1.19 is_cloudstorage

Description
This function determines if a cloud storage has been defined in the main configuration or for a specific publication

Syntax
is_cloudstorage ($site="")

Input parameters

$site ... publication name [string] (optional)

global input parameters

$mgmt_config

Output

true / false

7.1.20 is_cloudobject

Description
This function verifies if an object/file is available in the cloud storage

Syntax
is_cloudobject ($file)

Input parameters

$file ... path to media file or media file name [string]

global input parameters

$mgmt_config

Output

true / false

7.1.21 is_date

Description
This function determines if a string represents a valid date format

Syntax
is_date ($date, $format="Y-m-d")

Input parameters

$date ... date [string]

$format ... date format [string] (optional)

Output

true / false

7.1.22 is_tempfile

Description
This function checks if the provided file name is a temporary file

Syntax
is_tempfile ($path)

Input parameters

$path ... file name or path [string]

Output

if file is a temp file true / false on error

7.1.23 is_keyword

Description
This function checks if the provided expression can be used as a keyword

Syntax
is_keyword ($keyword)

Input parameters

$keyword ... keyword [string]

Output

if expression can be used as a keyword true / false on error

7.1.24 is_thumbnail

Description
This function checks if the provided file name is a thumbnail file

Syntax
is_thumbnail ($media, $images_only=true)

Input parameters

$media ... file name or path [string]

$images_only ... only thumbnail images should be considered as thumbnail [boolean]

Output

if file is a thumbnail file true / false on error

7.1.25 is_config

Description
This function checks if the provided file name is a config file

Syntax
is_config ($media)

Input parameters

$media ... file name or path [string]

Output

if file is a config file true / false if not

7.1.26 is_encryptedfile

Description
This function checks if the provided file is encrypted

Syntax
is_encryptedfile ($location, $file)

Input parameters

$location ... path to file [string]

$file ... file name [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

true / false

7.1.27 is_document

Description
This function determines if a certain file is a document (binary and text based)

Syntax
is_document ($file)

Input parameters

$file ... file name or file extension [string]

global input parameters

$mgmt_config

$hcms_ext

Output

true / false

7.1.28 is_image

Description
This function determines if a certain file is an image

Syntax
is_image ($file)

Input parameters

$file ... file name or file extension [string]

global input parameters

$mgmt_config

$hcms_ext

Output

true / false

7.1.29 is_rawimage

Description
This function determines if a certain file is a raw image

Syntax
is_rawimage ($file)

Input parameters

$file ... file name or file extension [string]

global input parameters

$mgmt_config

$hcms_ext

Output

true / false

7.1.30 is_aiimage

Description
This function determines if a certain file is a vector-based Adobe Illustrator (AI) or AI-compatible EPS file

Syntax
is_aiimage ($file)

Input parameters

$file ... file name or file extension [string]

Output

true / false

7.1.31 is_video

Description
This function determines if a certain file is a video

Syntax
is_video ($file)

Input parameters

$file ... file name or file extension [string]

global input parameters

$mgmt_config

$hcms_ext

Output

true / false

7.1.32 is_rawvideo

Description
This function determines if a certain file is a RAW video

Syntax

is_rawvideo ($file)

Input parameters

$file ... file name or file extension [string]

global input parameters

$mgmt_config

$hcms_ext

Output

true / false

7.1.33 is_audio

Description
This function determines if a certain file is an audio file

Syntax
is_audio ($file)

Input parameters

$file ... file name or file extension [string]

global input parameters

$mgmt_config

$hcms_ext

Output

true / false

7.1.34 is_mobilebrowser

Description
Detects mobile browsers (smartphones and tablets)

Syntax
is_mobilebrowser ()

Input parameters

global input parameters

$user

$mgmt_config

Output

true / false

7.1.35 is_iOS

Description
Detects if a mobile browser is an iPhone, iPad or IPod

Syntax
is_iOS ()

Input parameters

global input parameters

$user

$mgmt_config

Output

true / false

7.1.36 is_activelanguage

Description
This function determines if a language has been enabled for automatic translation in the publication settings

Syntax
is_activelanguage ($site, $langcode)

Input parameters

$site ... publication name [string]

$langcode ... 2-digits language code [string]

global input parameters

$mgmt_config

Output

true / false

7.1.37 copyrecursive

Description
This function copyies all directories and files from source to destination directory

Syntax
copyrecursive ($src, $dst)

Input parameters

$src ... source directory [string]

$dst ... destination directory [string]

Output

true/false

7.1.38 array_iunique

Description
This function is the case-insensitive form of PHPs array_unique function

Syntax
array_iunique ($array)

Input parameters

$array ... array [array]

Output

unique array / false

7.1.39 in_array_substr

Description
This function is supporting the search of substrings in the array values compared to PHPs in_array function

Syntax
in_array_substr ($search, $array)

Input parameters

$search … search expression [string]

$array … array [array]

Output

true / false

7.1.40 createfilename

Description
Creates a valid file name without special characters that does not exceed the maximum file name length

Syntax
createfilename ($filename)

Input parameters

$filename … path to file or directory [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

new filename/false

7.1.41 correctfile

Syntax
correctfile ($abs_path, $filename, $user="")

Input parameters

$abs_path … path to file or directory [string]

$filename … file or directory name [string]

$user … user name [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

correct filename/false

7.1.42 correctpath

Syntax
correctpath ($path, $slash="/")

Input parameters

$path ... path to folder [string]

$slash ... directory seperator [string] (optional)

Output

correct path/false

7.1.43 convertpath

Description
This function replaces object pathes of the content management config with %page% and %comp% path variables

Syntax
convertpath ($site, $path, $cat="")

Input parameters

$site ... publication name [string]

$path ... content management path to folder or object [string]

$cat ... object category [page, comp]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

converted path or URL / false on error

7.1.44 convertlink

Description
This function replaces pathes of the publication management config with %page% and %comp% path variables.

Syntax
convertlink ($site, $path, $cat)

Input parameters

$site ... publication name [string]

$path ... publication management path to folder or object [string]

$cat ... object category [page, comp]

global input parameters

$user

$mgmt_config

$publ_config

$hcms_lang

$lang

Output

converted path or URL / false on error

7.1.45 deconvertpath

Description
This function replaces all %page% and %comp% path variables with the path of the content management config.

It converts the path only on content management side not for the publication target.
It optionally transform special characters as well.
BE AWARE: The input path must not provide template data since valid_publicationname might return false.

Syntax
deconvertpath ($objectpath, $type="file", $specialchr_transform=true)

Input parameters

$objectpath ... string including path to folder or object [string]

$type ... convert to file system path or URL [file, url] (optional)

$specialchr_transform ... transform special characters using specialchr_encode [boolean] (optional)

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

deconverted path/false

7.1.46 deconvertlink

Description
This function deconverts the path only for the publication target.
It should be used for page linking, otherwise the function will return the absolute link including the host for component links.

Syntax
deconvertlink ($path, $type="url")

Input parameters

$path ... path to folder or object [string]

$type ... convert to file system path or URL [file, url]

global input parameters

$user

$mgmt_config

$publ_config

$hcms_lang

$lang

Output

converted absolute link without host/false

7.1.47 mediapublicaccess

Description
Is the media file public accessible. Has it been published or has the setting 'publicdownload' in the main configuration been enabled.
This function does not include direct links to the media files (used in websites).

Syntax
mediapublicaccess ($mediafile)

Input parameters

$mediafile ... media file name [string]

global input parameters

$mgmt_config

Output

true / false

7.1.48 createviewlink

Description
The view link is mainly used inside the system in order to reference and load a multimedia file.
The database is not required since the object hash or ID is not needed to create the view link.

Syntax
createviewlink ($site, $mediafile, $name="", $force_reload=false, $type="wrapper")

Input parameters

$site ... publication name [string]

$mediafile ... media file name [string]

$name ... media name [string] (optional)

$force_reload ... force reload [boolean] (optional)

$type ... link type [wrapper, download] (optional)

global input parameters

$user

$mgmt_config

Output

URL for download of the multimedia file / false on error

7.1.49 createportallink

Description
The portal access link is used to provide public access without logon based on a certain user profile and user hash that is connected with the portal.

Syntax
createportallink ($site, $portal)

Input parameters

$site ... publication name [string]

$portal ... portal name [string]

global input parameters

$mgmt_config

Output

URL for download of the multimedia file / false on error

7.1.50 createaccesslink

Description
Creates an access link to any object based on the permissions of the provided user account.

Syntax
createaccesslink ($site, $location="", $object="", $cat="", $object_id="", $login, $type="al", $lifetime=0, $formats="")

Input parameters

$site ... publication name [string]

$location ... location [string] (optional)

$object ... object [string] (optional)

$cat ... category [page, comp] (optional)

$object_id ... object-ID [string] (optional)

$login ... user name of the user account to be used for access [string]

$type ... link type [al, dl] (optional)

$lifetime ... token lifetime in seconds [integer] (optional)

$formats ... formats defined in main configuration [JSON-string] (optional)

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

URL for access to given object / false on error

7.1.51 createobjectaccesslink

Description
Creates an access link to any object based on the permissions of the user account defined in the publication settings.

Syntax
createobjectaccesslink ($site="", $location="", $object="", $cat="", $object_id="", $container_id="")

Input parameters

$site ... publication name [string] (optional)

$location ... location [string] (optional)

$object ... object [string] (optional)

$cat ... category [page, comp] (optional)

$object_id ... object ID [string] (optional)

$container_id ... container-ID or repository media file [string] (optional)

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

URL for download of the multimedia file of the given object or folder / false on error

7.1.52 createwrapperlink

Description
In order to track and include external user IDs in the daily statistics you need to manually add the 'user' parameter to the link in the form of: &user=[user-ID]

Syntax
createwrapperlink ($site="", $location="", $object="", $cat="", $object_id="", $container_id="", $type="", $mediaconfig="")

Input parameters

$site ... publication name [string] (optional)

$location ... location [string] (optional)

$object ... object [string] (optional)

$cat ... category [page, comp] (optional)

$object_id ... object ID [string] (optional)

$container_id ... container-ID or repository media file [string] (optional)

$type ... media file extension or type based on main config settings [string] (optional)

$mediaconfig ... media configuration based on main config settings [string] (optional)

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

URL for download of the multimedia file of the given object or folder / false on error

7.1.53 createdownloadlink

Description
In order to track and include external user IDs in the daily statistics you need to manually add the 'user' parameter to the link in the form of: &user=[user-ID]

Syntax
createdownloadlink ($site="", $location="", $object="", $cat="", $object_id="", $container_id="", $type="", $mediaconfig="")

Input parameters

$site ... publication name [string] (optional)

$location ... location [string] (optional)

$object ... object [string] (optional)

$cat ... category [page, comp] (optional)

$object_id ... object ID [string] (optional)

$container_id ... container-ID or repository media file [string] (optional)

$type ... media file extension or type based on main config settings [string] (optional)

$mediaconfig ... media configuration based on main config settings [string] (optional)

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

URL for download of the multimedia file of the given object or folder / false on error

7.1.54 createmultiaccesslink

Description
Creates an access link to any object based on the permissions of the provided user account.

Syntax
createmultiaccesslink ($multiobject, $login, $type="al", $lifetime=0, $formats="")

Input parameters

$multiobject ... multiobject [path1|path2|path3] or [array]

$login ... user name of the user account to be used for access [string]

$type ... link type [al, dl] (optional)

$lifetime ... token lifetime in seconds [integer] (optional)

$formats ... formats [string] (optional)

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

URL for access to the requested objects / false on error

7.1.55 createmultidownloadlink

Description
Generates a download link of a single media file, folder or multi objects.
Priority if multiple input parameters for media file, folder or multi objects are given:
1st...multi objects
2nd...media file
3rd...folder

Syntax
createmultidownloadlink ($site, $multiobject="", $media="", $location="", $name="", $user, $type="", $mediacfg="", $linktype="download", $flatzip=false)

Input parameters

$site ... publication name [string]

$multiobject ... multiobject using | as seperator [string] or [array] (optional)

$media ... media file name [string] (optional)

$location ... location [string] (optional)

$name ... presentation name [string] (optional)

$user ... user name [string]

$type ... conversion type example: jpg [string]

$mediacfg ... media configuration used for conversion (e.g.: 1024x768px) [string]

$linktype ... link type [wrapper, download] (optional)

$flatzip ... flat hierarchy means no directories [boolean] (optional)

global input parameters

$mgmt_config

$mgmt_compress

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$globalpermission

$setlocalpermission

$hcms_lang

$lang

Output

URL for download of the requested objects / false on error

7.1.56 cleandomain

Description
Returns the URL notation without the protocoll://domain.

Syntax
cleandomain ($path)

Input parameters

$path ... string to clean from http(s)://domain [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

cleanded string / false on error

7.1.57 fileversion

Description
Creates a version file name

Syntax
fileversion ($file)

Input parameters

$file ... file name [string]

Output

versioned file name [string] / false on error

7.1.58 createversion

Description
Creates a new version of a multimedia file and container

Syntax
createversion ($site, $file, $user="sys")

Input parameters

$site ... publication name [string]

$file ... media file name or container name [string]

$user ... user name [string] (optional)

global input parameters

$mgmt_config

$mgmt_mediaoptions

$mgmt_docoptions

$hcms_ext

$user

Output

true / false

7.1.59 rollbackversion

Description
Makes an older object version to the current version

Syntax
rollbackversion ($site, $location, $page, $container_version, $user="sys")

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$container_version ... container version name [string]

$user ... user name [string] (optional)

global input parameters

$mgmt_config

$mgmt_mediaoptions

$mgmt_docoptions

$hcms_ext

$hcms_lang

$lang

Output

result_array

7.1.60 deleteversion

Description
Removes the version of an object

Syntax
deleteversion ($site, $container_version, $user="sys")

Input parameters

$site ... publication name [string]

$container_version ... location [string]

$user ... object name [string]

global input parameters

$mgmt_config

Output

true / false

7.1.61 deleteversions

Description
Removes all versions of all objects or templates

Syntax
deleteversions ($type, $report, $user="sys")

Input parameters

$type ... type [content, template] or valid path in filesystem

$report ... report [yes, no]

$user ... user name [string] (optional)

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

true [report=no] or report [report=yes]

false on error

7.1.62 loadfile_header

Description
Loads the file header, represented by a defined header size.

Syntax
loadfile_header ($abs_path, $filename)

Input parameters

$abs_path ... path to file [string]

$filename ... file name [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

file content

7.1.63 loadfile_fast

Description

This functions is identical to loadfile, but it does not wait for locked files to be unlocked again. It should only be used on files that won't be locked by the system. It is therefore recommended to use loadfile.

Syntax
loadfile_fast ($abs_path, $filename)

Input parameters

$abs_path ... path to file [string]

$filename ... file name [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

file content

7.1.64 loadfile

Description
This function loads a file and waits up to 3 seconds for locked files to be unlocked

Syntax
loadfile ($abs_path, $filename)

Input parameters

$abs_path ... path to file [string]

$filename ... file name [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

file content

7.1.65 loadlockfile

Description
This function loads and locks a file for a sepecific user. It waits up to 3 seconds for locked files to be unlocked.
Function loadlockfile and savelockfile includes a locking mechanismen for files.
Every time you want to lock a file during your operations use loadlockfile.
It is important to use savelockfile to save and unlock the file again.
savelockfile requires the file to be opened by loadlockfile before.

Syntax
loadlockfile ($user, $abs_path, $filename, $force_unlock=3)

Input parameters

$user ... user name [string]

$abs_path ... path to file [string]

$filename ... file name [string]

$force_unlock ... force unlock of file after x seconds [integer]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

file content

7.1.66 savefile

Description
This function saves content to a file

Syntax
savefile ($abs_path, $filename, $filedata)

Input parameters

$abs_path ... path to file [string]

$filename ... file name [string]

$filedata ... file content [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

true/false

7.1.67 savelockfile

Description
Saves content to a locked file. It requires the file to be opened by loadlockfile.
Function loadlockfile and savelockfile includes a locking mechanismen for files.
Every time you want to lock a file during your operations use loadlockfile.
It is important to use savelockfile to save and unlock the file again.
savelockfile requires the file to be opened by loadlockfile before.

Syntax
savelockfile ($user, $abs_path, $filename, $filedata)

Input parameters

$user ... user name [string]

$abs_path ... path to file [string]

$filename ... file name [string]

$filedata ... file content [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true/false

7.1.68 appendfile

Description
Appends data to a file but cannot create a new file!
Waits up to 3 seconds for locked files to be unlocked again.
Files won't be unlocked if the file is already locked.

Syntax
appendfile ($abs_path, $filename, $filedata)

Input parameters

$abs_path ... path to file [string]

$filename ... file name [string]

$filedata ... file content [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

true/false

7.1.69 lockfile

Description
This functions lockes a file for a specific user

Syntax
lockfile ($user, $abs_path, $filename)

Input parameters

$user ... user name [string]

$abs_path ... path to file [string]

$filename ... file name [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true/false

7.1.70 unlockfile

Description
This functions unlockes a file for a specific user

Syntax
unlockfile ($user, $abs_path, $filename)

Input parameters

$user ... user name [string]

$abs_path ... path to file [string]

$filename ... file name [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true/false

7.1.71 deletefile

Description
Deletes a file or directory. If parameter recursive is et to true all items of a directory will be removed as well.

Syntax
deletefile ($abs_path, $filename, $recursive=false)

Input parameters

$abs_path ... path to file [string]

$filename ... file or directory name [string]

$recursive ... delete all files in directory recursively including symbolic links [boolean]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

true/false

7.1.72 restoremediafile

Description
Moves an exported media file back to the media repository.

Syntax
restoremediafile ($site, $mediafile)

Input parameters

$site ... publication name [string]

$mediafile ... media file name [string]

global input parameters

$mgmt_config

Output

result array

7.1.73 preparemediafile

Description
Prepares a media file for use in the system (load from cloud, decrypt content)

Syntax
preparemediafile ($site, $medialocation, $mediafile, $user="")

Input parameters

$site ... publication name [string]

$medialocation ... media file location [string]

$mediafile ... media file name [string]

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

result array / false on error

7.1.74 deletemediafiles

Description
Deletes all derivates (thumbnails, config files, converted versions of the file) of a specific media file resource. Deletes the original media file optionally .

Syntax
deletemediafiles ($site, $mediafile, $delete_original=false)

Input parameters

$site ... publication name [string]

$mediafile ... mediafile name [string]

$delete_original ... delete original media file [boolean] (optional)

global input parameters

$user

$mgmt_config

$mgmt_mediaoptions

$mgmt_docoptions

$hcms_ext

$hcms_lang

$lang

Output

true/false

7.1.75 avoidfilecollision

Description
Appending data to a file ensures that the previous write process is finished (required due to issue when editing encrypted files)

Syntax
avoidfilecollision ($data="tempdata", $force=false)

Input parameters

$data ... data string [string] (optional)

$force ... force execution [boolean]

global input parameters

$mgmt_config

$site

Output

true / false on error

7.1.76 substr_in_array

Description
Searches for substring in array

Syntax
substr_in_array ($search, $array)

Input parameters

$search ... search-string [string]

$array ... array [array]

Output

array with found values / false

7.1.77 downloadobject

Description
This functions provides an object via http for viewing, not suitable for multimedia objects!

Syntax
downloadobject ($location, $object, $container="", $lang="en", $user="")

Input parameters

$location ... location [string]

$object ... object name [string]

$container ... content container [string]

$lang ... language [string] (optional)

$user ... user name [string] (optional)

global input parameters

$mgmt_config

$eventsystem

$hcms_lang

$lang

Output

stream of file content / false on error

7.1.78 downloadfile

Description
This functions provides a file via http for view or download

Syntax
downloadfile ($filepath, $name, $force="wrapper", $user="")

Input parameters

$filepath ... path to file [string]

$name ... file name to show for download via http [string]

$force ... force file wrapper or download or no file headers for WebDAV [download, wrapper, noheader]

$user ... user name [string] (optional)

global input parameters

$mgmt_config

$eventsystem

$hcms_lang

$lang

$is_iphone

Output

stream of file content / false on error

7.1.79 loadcontainer

Description
This functions loads a content container

Syntax
loadcontainer ($container, $type="work", $user)

Input parameters

$container ... container file name or container id (working container will be loaded by default) [string]

$type ... optional container type [published, work, version]

$user ... user name [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

XML content of container / false on error

7.1.80 savecontainer

Description
Saves data into existing content container by default. Only if $init is set to true it will initally save a non existing container.

Syntax
savecontainer ($container, $type="work", $data, $user, $init=false)

Input parameters

$container ... container file name or container id (working container will be loaded by default) [string]

$type ... container type [published, work, version] (optional)

$data ... container content [XML]

$user ... user name [string]

$init ... save container initally [boolean] (optional)

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true / false on error

7.1.81 checkworkflow

Description
Help function for function buildview to evaluate the workflow of an object and return the manipulated view store, view name, workflow ID, workflow role and the encrypted workflow token.

Syntax
checkworkflow ($site, $location, $page, $cat="", $contentfile="", $contentdata="", $buildview="cmsview", $viewstore="", $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$cat ... category [page, comp] (optional)

$contentfile ... container name [string] (optional)

$contentdata ... container [XML string] (optional)

$buildview ... view name [string] (optional)

$viewstore ... view store [string] (optional)

$user ... user name [string]

global input parameters

$mgmt_config

Output

result array

7.1.82 inherit_db_load

Description
This function loads and locks the inheritance database.
Each record of the inherit management database has the following design:
xml-content container :| absolute path to 1-n objects :| 1-m inherits used by 1-n objects
Important: The inherit management database needs to be saved or closed after loading it

Syntax
inherit_db_load ($user)

Input parameters

$user ... %

global input parameters

$siteaccess

$mgmt_config

$hcms_lang

$lang

Output

inheritance database [2 dim. array]/false

7.1.83 inherit_db_read

Description
This function loads the inheritance database for reading

Syntax
inherit_db_read ()

Input parameters

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

inheritance database [2 dim. array]/false

7.1.84 inherit_db_close

Description
Closes and unlocks the inheritance management database

Syntax
inherit_db_close ($user)

Input parameters

$user … %

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true/false

7.1.85 inherit_db_save

Description
This function saves und unlocks the inheritance management database

Syntax
inherit_db_save ($inherit_db, $user)

Input parameters

$inherit_db ... inherit database [array]

$user

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true/false

7.1.86 inherit_db_getparent

Syntax
inherit_db_getparent ($inherit_db, $child)

Input parameters

$inherit_db ... inherit database [2 dim. array]

$child ... child [string]

Output

all parents of given child [1 dim. array] / false

7.1.87 inherit_db_getchild

Syntax
inherit_db_getchild ($inherit_db, $parent)

Input parameters

$inherit_db ... parent [string]

$parent

Output

all childs of given parent [1 dim. array] / false

7.1.88 inherit_db_setparent

Description
This function updates and insert all references from a child an its parents

Syntax
inherit_db_setparent ($inherit_db, $child, $parent_array)

Input parameters

$inherit_db ... inherit database [2 dim. array]

$child ... child [string]

$parent_array ... parents [array]

Output

inherit database [2 dim. array]

7.1.89 inherit_db_insertparent

Syntax
inherit_db_insertparent ($inherit_db, $parent, $child_array)

Input parameters

$inherit_db ... inherit database [2 dim. array]

$parent ... parent [string]

$child_array ... childs [array]

Output

inherit database [2 dim. array]

7.1.90 inherit_db_deleteparent

Syntax
inherit_db_deleteparent ($inherit_db, $parent)

Input parameters

$inherit_db ... inherit database [2 dim. array]

$parent ... parent [string]

Output

inherit database [2 dim. array]

7.1.91 createinstance

Description
This function creates a new instance with all its files and the mySQL database

Syntax
createinstance ($instance_name, $settings, $user="sys")

Input parameters

$instance_name ... instance name [string]

$settings ... settings array [array]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.92 editinstance

Description
This function saves the instance configuration in the config file

Syntax
editinstance ($instance_name, $content, $user="sys")

Input parameters

$instance_name ... instance name [string]

$content ... content [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.93 deleteinstance

Description
This function creates a new instance with all its files and the mySQL database

Syntax
deleteinstance ($instance_name, $user="sys")

Input parameters

$instance_name ... instance name [string]

$user ... settings [array]

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.94 createpublication

Description
This function creates a new publication with all its files

Syntax
createpublication ($site_name, $user="sys")

Input parameters

$site_name ... publication name [string]

$user ... user name [string] (optional)

global input parameters

$siteaccess

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.95 editpublication

Description
This function saves all settings of a publication. It is a good advice to load the settings of a publication and manipulate the values in order to provide all settings as input.
Settings (keys for settings array):
inherit_comp ... inherit components [boolean]
inherit_tpl ... inherit templates [boolean]
youtube_token ... Youtube token [string]

registration ... enable registration of new users [boolean]
registration_group ... assign new users to the group [string]
registration_notify ... notify the users whenever a new user registered [string]
site_admin0 ... enable publication management [true]
url_path_page ... URL to page root on management server [string]
abs_path_page .... absolute path to page root on management server [string]
exclude_folders ... exlude folders from the system [string]
allow_ip ... only enable access for the provided IP addresses [string]
webdav ... enable WebDAV access [boolean]
webdav_dl ... enable download links for WebDAV [boolean]
webdav_al ... enable access links for WebDAV [boolean]
default_codepage ... deafult charcter set of the publication [string]
sendmail ... enable send mail [boolean]
mailserver ... mailserver name [string]
portalaccesslink ... enable portal access via public link [boolean]
accesslinkuser ... user to be used for access links [string]
watermark_image ... watermark settings for images (-wm /home/hypercms/public_html/logo_watermark.png->topleft->10) [string]
watermark_video ... watermark settings for videos (-wm /home/hypercms/public_html/logo_watermark.png->topleft->10) [string]
sharesociallink ... enable social media link sharing [boolean]
youtube ... enbale Youtube upload [boolean]
theme ... standard design theme of the publication [string]
translate ... languges that can be used for automated translation (en, fr, de) [string]
ocr .. languges that can be used for OCR (en, de) [string]
storage_limit ... storage limit in MB [integer]
gs_access_json ... Google Cloud service JSON access code [string]
gs_speech2text_langcode ... language code to be used for Google Speech2Text Cloud service (en-US) [string]
url_publ_page ... URL to page root on publication server [string]
abs_publ_page ... absolute path to page root on publication server [string]
url_publ_rep ... URL to repository root on publication server [string]
abs_publ_rep ... absolute path to repository root on publication server [string]
abs_publ_app ... absolute path to application root on publication server [string]
publ_os ... operating system used (UNIX or WIN) [string]
remoteclient ... URL to remote client on remote webserver [string]

Syntax
editpublication ($site_name, $setting, $user="sys")

Input parameters

$site_name ... publication name [string]

$setting ... publication settings with setting name as key and parameter as value [array]

$user ... user name [string] (optional)

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.96 editpublicationsetting

Description
This function can be used to edit a single setting of a publication

Syntax
editpublicationsetting ($site_name, $setting, $user="sys")

Input parameters

$site_name ... publication name [string]

$setting ... publication settings with setting name as key and setting parameter as value (see publication config file for details) [array]

$user ... user name [string] (optional)

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.97 deletepublication

Description
This function deletes a publication with all its files

Syntax
deletepublication ($site_name, $user="sys")

Input parameters

$site_name ... publication name [string]

$user ... user name [string] (optional)

global input parameters

$mgmt_config

$eventsystem

$hcms_lang

$lang

Output

result array

7.1.98 createpersonalization

Description
This function creates a new customer personalization tracking or profile

Syntax
createpersonalization ($site, $pers_name, $cat)

Input parameters

$site ... publication name [string]

$pers_name ... personalization profile or tracking name [string]

$cat ... category [profile, tracking]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.99 deletepersonalization

Description
This function deletes a customer personalization tracking or profile

Syntax
deletepersonalization ($site, $pers_name, $cat)

Input parameters

$site ... publication name [string]

$pers_name ... personalization profile or tracking name [string]

$cat ... category [profile, tracking]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.100 loadtemplate

Description
This function loads templates by given name.
Based on the inheritance settings of the publication the template will be loaded with highest priority from the own publication and if not available from a parent publication. If the parent publications have double entries the sort mechanism will define the priority. First priority have numbers, second are upper case letters and last priority have lower case letters.

Syntax
loadtemplate ($site, $template)

Input parameters

$site ... publication name [string]

$template ... template file name [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

array (template content [XML string]

publication

result[true/false]) / false on error

7.1.101 createtemplate

Description
This function creates a new template

Syntax
createtemplate ($site, $template, $cat)

Input parameters

$site ... publication name [string]

$template ... template name [string]

$cat ... category [page, comp, meta, inc]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.102 edittemplate

Description
This function edites a template

Syntax
edittemplate ($site, $template, $cat, $user, $content="", $extension="", $application="")

Input parameters

$site ... publication name [string]

$template ... template file name [string]

$cat ... category [page, comp, meta, inc]

$user ... user name [string]

$content ... template content [string] (optional)

$extension ... template extension [string] (optional)

$application ... template application [string] (optional)

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.103 deletetemplate

Description
This function deletes a template

Syntax
deletetemplate ($site, $template, $cat)

Input parameters

$site ... publication name [string]

$template ... template file name [string]

$cat ... category [page, comp, meta, inc]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.104 createportal

Description
This function creates a new portal template

Syntax
createportal ($site, $template)

Input parameters

$site ... publication name [string]

$template ... portal template name [string]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.105 editportal

Description
This function edites the settings of a portal.

Syntax
editportal ($site, $template, $portaluser, $design="day", $primarycolor="", $global_files=array(), $formats="", $user="sys")

Input parameters

$site ... publication name [string]

$template ... template name or file name [string]

$portaluser ... portal user name [string]

$design ... design theme name [string] (optional)

$primarycolor ... primary color as hex code [string] (optional)

$global_files ... PHP global FILES variable for file upload/remove [array] (optional)

$formats ... download formats [JSON-string] (optional)

$user ... user name [string] (optional)

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.106 deleteportal

Description
This function deletes a portal

Syntax
deleteportal ($site, $template)

Input parameters

$site ... publication name [string]

$template ... template file name [string]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.107 createuser

Description
This function creates a new user. Use *Null* for publication name to remove access to all publications.

Syntax
createuser ($site="", $login, $password, $confirm_password, $user="sys")

Input parameters

$site ... publication name [string] (optional)

$login ... user login name [string]

$password ... password [string]

$confirm_password ... confirmed password [string]

$user ... user name [string] (optional)

global input parameters

$eventsystem

$mgmt_config

$mgmt_lang_shortcut_default

$hcms_lang

$lang

Output

result array

7.1.108 edituser

Description
This function edits a user. Use *Leave* as input if a value should not be changed. Use *Null* for publication name to remove access to all publications. Use *Null* for user group to remove user from all user groups of the publication.

Syntax
edituser ($site="", $login, $old_password="", $password="", $confirm_password="", $superadmin="0", $realname="*Leave*", $language="en", $timezone="*Leave*", $theme="*Leave*", $email="*Leave*", $phone="*Leave*", $signature="*Leave*", $usergroup="*Leave*", $usersite="*Leave*", $validdatefrom="*Leave*", $validdateto="*Leave*", $user="sys")

Input parameters

$site ... publication name [string]

$login ... user login name [string]

$old_password ... new login name [string] (optional)

$password ... password [string] (optional)

$confirm_password ... confirmed password [string] (optional)

$superadmin ... super administrator [0, 1] (optional)

$realname ... real name [string] (optional)

$language ... language setting [en, de, ...] (optional)

$timezone ... time zone [string] (optional)

$theme ... theme name (optional)

$email ... email [string] (optional)

$phone ... phone [string] (optional)

$signature ... signature [string] (optional)

$usergroup ... member of usergroup string [group1|group2] (optional)

$usersite ... member of publications string [site1|site2] (optional)

$validdatefrom ... valid date from [date] (optional)

$validdateto ... valid date to [date] (optional)

$user ... user name [string] (optional)

global input parameters

$eventsystem

$login_cat

$group

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.109 deleteuser

Description
This function removes a user

Syntax
deleteuser ($site, $login, $user="sys")

Input parameters

$site ... publication where the user should be removed [*Null*] for all publications [string]

$login ... login name of the account that will be removed [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.110 creategroup

Description
This function creates a new user group

Syntax
creategroup ($site, $groupname, $user="sys")

Input parameters

$site ... publication name [string]

$groupname ... group name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.111 editgroup

Description
This function edits the settings of a user group.
The following permissions can be used:
desktopglobal
desktopsetting
desktoptaskmgmt
desktopcheckedout
desktoptimetravel
userglobal
usercreate
userdelete
useredit
groupglobal
groupcreate
groupdelete
groupedit

siteglobal
sitecreate
sitedelete
siteedit
persglobal
perstrack
perstrackcreate
perstrackdelete
perstrackedit
persprof
persprofcreate
persprofdelete
persprofedit
workflowglobal
workflowproc
workflowproccreate
workflowprocdelete
workflowprocedit
workflowprocfolder
workflowscript
workflowscriptcreate
workflowscriptdelete
workflowscriptedit
templateglobal
tpl
tplcreate
tpldelete
tpledit
tplmedia
tplmediacatcreate
tplmediacatdelete
tplmediacatrename
tplmediaupload
tplmediadelete
componentglobal
compupload
compdownload
compsendlink
compfoldercreate
compfolderdelete
compfolderrename
compcreate
compdelete
comprename
comppublish
pageglobal
pagesendlink
pagefoldercreate
pagefolderdelete
pagefolderrename
pagecreate
pagedelete
pagerename
pagepublish
The value of each parameter can be 1 for granted permission or 0 for no permission. If you need further explanation about the permissions, please have a look at the Administrators Guide.

Syntax

editgroup ($site, $groupname, $pageaccess, $compaccess, $permission, $user)

Input parameters

$site ... publication name [string]

$groupname ... group name [string]

$pageaccess ... page folder access array [array]

$compaccess ... component folder access array [array]

$permission ... permissions with permission name as key and value of 1 or 0 [array]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.112 deletegroup

Description
This function removes a user group

Syntax
deletegroup ($site, $groupname, $user)

Input parameters

$site ... publication name [string]

$groupname ... group name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.113 renamegroupfolder

Description
This function renames a workgroup folder

Syntax
renamegroupfolder ($site, $cat, $folder_curr, $folder_new, $user)

Input parameters

$site ... publication name [string]

$cat ... category [page, comp]

$folder_curr ... old location [string]

$folder_new ... new location [string]

$user ... user name [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true / false on error

7.1.114 deletegroupfolder

Description
This function removes a group folder.

Syntax

deletegroupfolder ($site, $cat, $folderpath, $user)

Input parameters

$site ... publication name [string]

$cat ... category [page, comp]

$folderpath ... path to the folder [string]

$user ... user name [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true / false on error

7.1.115 renameworkflowfolder

Description
This function renames a workgroup folder

Syntax
renameworkflowfolder ($site, $cat, $folder_curr, $folder_new, $user)

Input parameters

$site ... publication name [string]

$cat ... category [page, comp]

$folder_curr ... old location [string]

$folder_new ... new location [string]

$user ... user name [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true / false on error

7.1.116 deleteworkflowfolder

Description
This function removes a workgroup folder

Syntax
deleteworkflowfolder ($site, $cat, $folderpath, $user)

Input parameters

$site ... publication name [string]

$cat ... category [page, comp]

$folderpath ... location of folder [string]

$user ... user name [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true / false on error

7.1.117 createmediacat

Description
Creates a new media category in the template media index file. Only used for template media.

Syntax
createmediacat ($site, $mediacat_name)

Input parameters

$site ... publication name [string]

$mediacat_name ... media category name [string]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

Array with onload JS-code and message

7.1.118 renamemediacat

Description
Renames a new media category in the template media index file

Syntax
renamemediacat ($site, $mediacat_name_curr, $mediacat_name)

Input parameters

$site ... publication name [string]

$mediacat_name_curr ... old media category name [string]

$mediacat_name ... new media category name [string]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

Array with onload JS-code and message

7.1.119 deletemediacat

Description
Deletes a new media category in the template media index file

Syntax
deletemediacat ($site, $mediacat_name)

Input parameters

$site ... publication name [string]

$mediacat_name ... media category name [string]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

Array with onload JS-code and message

7.1.120 uploadtomediacat

Description
Uploads a media file into a given template media category

Syntax
uploadtomediacat ($site, $mediacat_name, $global_files)

Input parameters

$site ... publication name [string]

$mediacat_name ... media category name [string]

$global_files ... PHP global FILES variable [array]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

Array with onload JS-code and message

7.1.121 deletefrommediacat

Description
Deletes a media file from the template media category index

Syntax
deletefrommediacat ($site, $mediafile)

Input parameters

$site ... publication name [string]

$mediafile ... media file name [string]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

Array with onload JS-code and message

7.1.122 createfolder

Description
This function creates a new folder. The folder name must not match any temp file pattern.

Syntax

createfolder ($site, $location, $folder, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$folder ... folder name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.123 createfolders

Description
This function creates all folders recursively

Syntax
createfolders ($site, $location, $folder, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$folder ... folder name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.124 collectfolders

Description
Help function to create the collection of folders

Syntax
collectfolders ($site, $location, $folder)

Input parameters

$site ... publication name [string]

$location ... location [string]

$folder ... folder name [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

result array / false

7.1.125 copyfolders

Description
This function copies/creates all folders of the source location using mkdir (only directories will be created!). Used by pasteobject function.

Syntax
copyfolders ($site, $location, $locationnew, $folder, $user)

Input parameters

$site ... publication name [string]

$location ... location (source) [string]

$locationnew ... new location (destination) [string]

$folder ... folder name [string]

$user ... user name [string]

global input parameters

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array equal to createfolder

7.1.126 deletefolder

Description
This function removes a folder. The folder must be empty in order to be removed from the system.

Syntax
deletefolder ($site, $location, $folder, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$folder ... folder name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.127 renamefolder

Description
This function renames a folder

Syntax
renamefolder ($site, $location, $folder, $foldernew, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$folder ... folder name [string]

$foldernew ... new folder name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.128 correctcontainername

Description
This function adds zeros to the container ID to create the correct file name of the content container.

Syntax
correctcontainername ($container_id)

Input parameters

$container_id ... container ID [string]

Output

corrected name / false on error

7.1.129 createobject

Description
This function creates a new page or component.

Syntax
createobject ($site, $location, $page, $template, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name without file extension [string]

$template ... template name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.130 uploadfile

Description
This function manages all file uploads, like unzip files, zip a collection of files, create media objects and resize images.
The container name will be extracted from the media file name for updating an existing multimedia file.

Syntax
uploadfile ($site, $location, $cat, $global_files, $page="", $unzip="", $createthumbnail=0, $imageresize="", $imagepercentage="", $user="sys", $checkduplicates=true, $versioning=false, $zipfilename="", $zipfilecount=0)

Input parameters

$site ... publication name [string]

$location ... destination location [string]

$cat ... category [page, comp]

$global_files ... uploaded file (array as defined by PHP autoglobale $_FILES) [array]

$page ... unzip/zip [%, unzip, zip]

$unzip ... object name (only for media file update of existing object) [string]

$createthumbnail ... create only a new thumbnail from the media file [1, 0] (optional)

$imageresize ... resize image [percentage, null] (optional)

$imagepercentage ... image resize percentage value [integer] (optional)

$user ... user name [string] (optional)

$checkduplicates ... check for duplicates [boolean] (optional)

$versioning ... versioning of file [boolean] (optional)

$zipfilename ... name of zip file [string] (optional)

$zipfilecount ... number of files to be compressed [integer] (optional)

global input parameters

$mgmt_config

$mgmt_uncompress

$mgmt_compress

$mgmt_imagepreview

$mgmt_mediapreview

$mgmt_mediaoptions

$mgmt_imageoptions

$mgmt_maxsizepreview

$mgmt_parser

$eventsystem

$pageaccess

$compaccess

$hiddenfolder

$localpermission

$hcms_lang

$lang

Output

result array

7.1.131 createmediaobject

Description
This function creates an asset (multimedia object) by reading a given source file. The file name must not match any temp file pattern.
The metadata template is based on the template of the folder the objects resides in.

Syntax
createmediaobject ($site, $location, $file, $path_source_file, $user, $imagepercentage=0, $leavefile=false)

Input parameters

$site ... publication name [string]

$location ... destination location [string]

$file ... file name [string]

$path_source_file ... path to source multimedia file (uploaded file in temp directory) [string]

$user ... user name [string]

$imagepercentage ... resize original image (100%) by percentage [integer] (optional)

$leavefile ... leave file in the directory and create a symbolic link to the file [boolean] (optional)

global input parameters

$mgmt_config

$mgmt_imagepreview

$mgmt_mediapreview

$mgmt_mediaoptions

$mgmt_imageoptions

$mgmt_maxsizepreview

$mgmt_mediametadata

$mgmt_parser

$mgmt_imagepreview

$mgmt_uncompress

$hcms_ext

$eventsystem

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.132 createmediaobjects

Description
This function creates media objects by reading all media files from a given source location (used after unzipfile).
The file name must not match any temp file pattern.

Syntax
createmediaobjects ($site, $location_source, $location_destination, $user)

Input parameters

$site ... publication name [string]

$location_source ... source location [string]

$location_destination ... destination location [string]

$user ... user name [string]

global input parameters

$mgmt_config

$mgmt_imageoptions

$eventsystem

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array with all objects created / false

7.1.133 editmediaobject

Description
This function mainly uses function createmedia to render the objects media, but at the same time takes care of versioning and the object name, if the file extension has been changed

Syntax
editmediaobject ($site, $location, $page, $format="jpg", $type="thumbnail", $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$format ... format (file extension w/o dot) [string] (optional)

$type ... type of image/video/audio file [thumbnail, origthumb(thumbail made from original video/audio), original, any other string present in $mgmt_imageoptions] (optional)

$user

global input parameters

$wf_token

$mgmt_config

$mgmt_imagepreview

$mgmt_mediapreview

$mgmt_mediaoptions

$mgmt_imageoptions

$mgmt_maxsizepreview

$mgmt_mediametadata

$hcms_ext

$hcms_lang

$lang

Output

result array / false on error (saves original or thumbnail media file of an object

for thumbnail only jpeg format is supported as output)

user name

7.1.134 manipulateobject

Description
This function removes, unpublishs, renames and pastes objects and is used by other functions which works as a shell for this function

Syntax
manipulateobject ($site, $location, $page, $pagenew, $user, $action, $clipboard_array=array())

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$pagenew ... new object name (exkl. extension except for action "file_rename") [string]

$user ... user name [string]

$action ... action [page_delete

$clipboard_array ... page_rename

global input parameters

$wf_token

$eventsystem

$mgmt_config

$mgmt_mediaoptions

$mgmt_docoptions

$hcms_ext

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$cat

$hcms_lang

$lang

Output

array

7.1.135 deletemarkobject

Description
This function marks a page, asset, or component as deleted.

Syntax
deletemarkobject ($site, $location, $page, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$user ... user name [string]

global input parameters

$wf_token

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.136 deleteunmarkobject

Description
This function unmarks a page, asset, or component as deleted.

Syntax
deleteunmarkobject ($site, $location, $page, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$user ... user name [string]

global input parameters

$wf_token

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.137 deleteobject

Description
This function removes a page, asset, or component by calling the function manipulateobject.

Syntax
deleteobject ($site, $location, $page, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.138 renameobject

Description
This function renames a page, component or asset and calls the function manipulateobject

Syntax
renameobject ($site, $location, $page, $pagenew, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$pagenew ... new object name without file extension [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.139 renamefile

Description
This function renames a file (NOT a page, component or asset) and calls the function manipulateobject.
This function renames the file name including the extension and not only the name of an object.
The event that will be executed in the event system is the same as for renameobject.

Syntax
renamefile ($site, $location, $page, $pagenew, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$pagenew ... new object including file extension [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.140 cutobject

Description
This function cuts a page, component or asset.

Syntax
cutobject ($site, $location, $page, $user, $clipboard_add=false, $clipboard_session=true)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$user ... user name [string]

$clipboard_add ... add to existing clipboard entries [boolean] (optional)

$clipboard_session ... save clipboard in session [boolean] (optional)

global input parameters

$eventsystem

$mgmt_config

$cat

$hcms_lang

$lang

Output

result array

7.1.141 copyobject

Description
This function copies a page, component or asset.

Syntax
copyobject ($site, $location, $page, $user, $clipboard_add=false, $clipboard_session=true)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$user ... user name [string]

$clipboard_add ... add to existing clipboard entries [boolean] (optional)

$clipboard_session ... save clipboard in session [boolean] (optional)

global input parameters

$eventsystem

$mgmt_config

$cat

$hcms_lang

$lang

Output

result array

7.1.142 copyconnectedobject

Description
This function makes a connected copy of a page, component or asset.

Syntax

copyconnectedobject ($site, $location, $page, $user, $clipboard_add=false, $clipboard_session=true)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$user ... user name [string]

$clipboard_add ... add to existing clipboard entries [boolean] (optional)

$clipboard_session ... save clipboard in session [boolean] (optional)

global input parameters

$eventsystem

$mgmt_config

$cat

$hcms_lang

$lang

Output

result array

7.1.143 pasteobject

Description
This function pastes an object by calling and calls the function manipulateobject

Syntax
pasteobject ($site, $location, $user, $clipboard_array=array())

Input parameters

$site ... publication name [string]

$location ... location [string]

$user ... user name [string]

$clipboard_array ... clipboard entries [array] (optional)

global input parameters

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.144 lockobject

Description
This function locks an object for a specific user

Syntax
lockobject ($site, $location, $page, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$hcms_lang

$lang

Output

result array

7.1.145 unlockobject

Description
This function unlocks an object of a specific user

Syntax
unlockobject ($site, $location, $page, $user)

Input parameters

$site … publication name [string]

$location … location [string]

$page … object name [string]

$user … user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$hcms_lang

$lang

Output

array

7.1.146 publishobject

Description
This function publishes a page, component or asset

Syntax

publishobject ($site, $location, $page, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name (full name incl. extension) [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$ctrlreload

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.147 publishlinkedobject

Description
This function publishes all linked objects of a given object.
All objects with component links (references) to the given object will be published.
This funtion is only used by publishobject.

Syntax
publishlinkedobject ($site, $location, $page, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$ctrlreload

$hcms_lang

$lang

Output

array

7.1.148 unpublishobject

Description
This function unpublishes a page, component, or asset and calls the function manipulateobject

Syntax
unpublishobject ($site, $location, $page, $user)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$cat

$ctrlreload

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

result array

7.1.149 processobjects

Description
Publish, unpublish or delete all objects recursively, and send mails stored in the queue. This function is used by the job 'minutely' to process all objects of the queue.
In order to process all objects recursively a folder name need to be provided and not the .folder file.
This function should not be used for the graphical user interface since it does not provide feedback about the process state!

Syntax
processobjects ($action, $site, $location, $file, $published_only=false, $user)

Input parameters

$action ... action [publish, unpublish, delete]

$site ... publication name [string]

$location ... location [string]

$file ... object name or mail ID [string]

$published_only ... only published objects [boolean]

$user ... user name [string]

global input parameters

$eventsystem

$mgmt_config

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$hcms_lang

$lang

Output

true/false

7.1.150 collectobjects

Description
Help function used to create a list of all objects inside a folder

Syntax
collectobjects ($root_id, $site, $cat, $location, $published_only=false)

Input parameters

$root_id ... root ID [string]

$site ... publication name [string]

$cat ... category [page, comp]

$location ... location [string]

$published_only ... collect only published objects [boolean]

global input parameters

$user

$pageaccess

$compaccess

$mgmt_config

$hiddenfolder

$hcms_lang

$lang

Output

result array / false

7.1.151 manipulateallobjects

Description
This function is used to perform actions on multiple objects and is mainly used by popup_status.php.
This function should only be used in connection with the GUI of the system.

Syntax
manipulateallobjects ($action, $objectpath_array, $method="", $force="start", $published_only=false, $user, $tempfile="", $maxitems=10)

Input parameters

$action ... action [publish

$objectpath_array ... unpublish

$method ... deletemark

$force ... deleteunmark/restore

$published_only ... emptypin

$user ... delete

$tempfile ... paste]

$maxitems ... objectpath [array]

global input parameters

$eventsystem

$mgmt_config

$cat

$pageaccess

$compaccess

$hiddenfolder

$hcms_lang

$lang

Output

true/false

7.1.152 createqueueentry

Description
Creates a new item in the queue

Syntax
createqueueentry ($action, $object, $date, $published_only, $data="", $user)

Input parameters

$action ... action [publish, unpublish, delete, mail]

$object ... object path [string] or object ID [integer]

$date ... date and time [YYY-MM-DD HH:MM]

$published_only ... publish only published objects [boolean]

$data ... data to be saved in queue [array] (optional)

$user ... user name [string]

global input parameters

$mgmt_config

Output

true / false

7.1.153 savemessage

Description
Saves the data of a sent e-mail message.

Syntax
savemessage ($data, $type="mail", $user)

Input parameters

$data ... data to be saved in queue [array]

$type ... message type [mail, chat] (optional)

$user ... user name [string]

global input parameters

$mgmt_config

Output

true / false

7.1.154 remoteclient

Description
Sends data to remote client via http post

Syntax
remoteclient ($action, $root, $site, $location, $locationnew, $page, $pagenew)

Input parameters

$action ... action [save, copy, delete, rename, get]

$root ... root [abs_path_link, abs_path_media, abs_path_comp, abs_path_page, abs_path_rep]

$site ... publication name [string]

$location ... location [string]

$locationnew ... new location [string]

$page ... object name [string]

$pagenew ... new object name [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

http answer [string] or false

7.1.155 HTTP_Post

Description
Sends data via http post and returns response

Syntax
HTTP_Post ($URL, $data, $contenttype="application/x-www-form-urlencoded", $charset="UTF-8", $referrer="")

Input parameters

$URL ... URL [string]

$data ... data (raw data) [array]

$contenttype ... content-type [application/x-www-form-urlencoded, multipart/form-data]

$charset ... character set [string]

$referrer

Output

http response [string] / false on error

7.1.156 HTTP_Get

Description
Sends data via http get and returns response

Syntax
HTTP_Get ($URL, $data="", $contenttype="application/x-www-form-urlencoded", $charset="UTF-8")

Input parameters

$URL ... URL [string]

$data ... data (raw data) [array] (optional)

$contenttype ... content-type [string excl. charset] (optional)

$charset ... character set [string] (optional)

Output

http response [string] / false on error

7.1.157 HTTP_Proxy

Description
Sends all global POST/GET and FILES data via http post and returns response

Syntax
HTTP_Proxy ($URL, $enable_file=false)

Input parameters

$URL ... URL [string]

$enable_file ... enable post of files [boolean] (optional)

global input parameters

$mgmt_config

Output

http response [string] / false on error

7.1.158 loadbalancer

Description
Balances the load by sending all global POST/GET and FILES to one service ressource of a given array of service ressources.
Don't define and use the same server ressources in $mgmt_config['url_path_service'], this can lead to an infinite loop.

Syntax
loadbalancer ($type)

Input parameters

$type ... type [renderimage, rendervideo, uploadfile]

global input parameters

$mgmt_config

Output

http response [string] / false on error or if disabled

7.1.159 savelog

Description

Adds new entries to log file.
An error entry must be formed like:
date[YYYY-MM-DD hh:mm]|name of scipt file|error type: "error", "warning" or "information"|unique error code in script file|error message

Syntax
savelog ($error, $logfile="event")

Input parameters

$error ... error log entries [array]

$logfile ... name of log file without extension [string] (optional)

global input parameters

$user

$login

$site

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

true / false on error

7.1.160 loadlog

Description
Loads a log file an returns the data as string or array for all log records.

Syntax
loadlog ($logfile="event", $return_type="array")

Input parameters

$logfile ... name of log file without extension [string] (optional)

$return_type ... return type [string, array] (optional)

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

true / false on error

7.1.161 deletelog

Description
Deletes a log file.

Syntax
deletelog ($logname="")

Input parameters

$logname ... log name [string] (optional)

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.1.162 debuglog

Description
Writes code lines into debug file in data/log/debug.log

Syntax
debuglog ($code)

Input parameters

$code ... code to write to debug file [string]

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

true / false

7.1.163 notifyusers

Description
Notifies all users based on the given event and location

Syntax
notifyusers ($site, $location, $object, $event, $user_from)

Input parameters

$site ... publication name [string]

$location ... location [string]

$object ... object name [string]

$event ... event name [oncreate, onedit, onmove, ondelete]

$user_from ... user name [string]

global input parameters

$user

$mgmt_config

$hcms_lang_codepage

$hcms_lang

$lang

Output

true / false on error

7.1.164 sendlicensenotification

Description
Searches for objects with a date in a defined text field that has to be between the defined date limits and sends a message to the defined users.
This is a helper function for function licensenotification.

Syntax
sendlicensenotification ($site, $cat, $folderpath, $text_id, $date_begin, $date_end, $user, $format="%Y-%m-%d")

Input parameters

$site ... publication name [string]

$cat ... category [page, comp]

$folderpath ... folder path [string]

$text_id ... text ID for text field [string]

$date_begin ... search from date [YYYY-MM-DD]

$date_end ... search till date [YYYY-MM-DD]

$user ... user name [string or array] (optional)

$format ... date format (optional)

global input parameters

$eventsystem

$mgmt_config

$hcms_lang_codepage

$hcms_lang

$lang

Output

true / false on error

7.1.165 licensenotification

Description
This function reads the license notification configuration and looks up all objects with a date in a defined text field
that has to be between the defined date limits and sends a message to the defined users.

Syntax
licensenotification ()

Input parameters

global input parameters

$eventsystem

$mgmt_config

$hcms_lang_codepage

$hcms_lang

$lang

Output

true / false on error

7.1.166 sendresetpassword

Description
Send a new password to the users e-mail address.

Syntax
sendresetpassword ($login, $link=false, $instance="")

Input parameters

$login ... user name [string]

$link ... provide logon link [boolean] (optional)

$instance ... instance name [string] (optional)

global input parameters

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

message as string

7.1.167 html_diff

Description
Paul's Simple Diff Algorithm v 0.1
Function html_diff is a wrapper for the diff command, it takes two strings and returns the differences in HTML. The tags used are <ins> and <del>, which can easily be styled with CSS.

Syntax
html_diff ($old, $new)

Input parameters

$old ... old text [string]

$new ... new text [string]

Output

result text showing deleted and inserted words/differences / false on error

7.1.168 createfavorite

Syntax
createfavorite ($site="", $location="", $page="", $id="", $user)

Input parameters

$site ... publication name [string] (optional)

$location ... location [string] (optional)

$page ... object name [string] (optional)

$id ... identifier (object ID

$user ... object hash) [string] (optional)

global input parameters

$mgmt_config

Output

true / false

7.1.169 deletefavorite

Syntax
deletefavorite ($site="", $location="", $page="", $id="", $user)

Input parameters

$site ... publication name [string] (optional)

$location ... location [string] (optional)

$page ... object name [string] (optional)

$id ... identifier (object ID

$user ... object hash) [string] (optional)

global input parameters

$mgmt_config

Output

true / false

7.1.170 rewrite_targetURI

Syntax
rewrite_targetURI ($site, $text_id, $uri, $exclude_dir_esc="", $rewrite_type="include")

Input parameters

$site ... publication name [string]

$text_id ... text ID array (text-ID as key and URL parameters as value) [string]

$uri ... requested URI [string]

$exclude_dir_esc ... exclude path [array] (optional)

$rewrite_type ... rewrite type [none, forward, include] (optional)

global input parameters

$mgmt_config

$publ_config

Output

HTTP header with target URL as location / false on error

7.1.171 rewrite_homepage

Description
Uses the page root directory of the publication configuration and forwards to the default index page. No page include supported!

Syntax
rewrite_homepage ($site, $rewrite_type="forward")

Input parameters

$site ... publication name [string]

$rewrite_type ... rewrite type [none, forward] (optional)

global input parameters

$mgmt_config

$publ_config

Output

HTTP header with target URL as location / false on error

7.1.172 load_csv

Description
Analyzes the content from the CSV file and detects delimiter and enclosure characters if left empty. On success the data will be returned as array starting with row index of 1.

Syntax
load_csv ($file, $delimiter=";", $enclosure='"', $charset="utf-8")

Input parameters

$file ... path to CSV file [string]

$delimiter ... delimiter [string] (optional)

$enclosure ... enclosure [string] (optional)

$charset ... character set [string] (optional)

global input parameters

$mgmt_config

$eventsystem

Output

array / false on error

7.1.173 sendmessage

Description
Sends a message via e-mail to a user.

Syntax
sendmessage ($from_user="", $to_user, $title, $message, $object_id="", $site="")

Input parameters

$from_user ... from user name [string] (optional)

$to_user ... to user name [string]

$title ... title [string]

$message ... message [string]

$object_id ... object ID or object path [string] (optional)

$site ... publication name [string] (optional)

global input parameters

$mgmt_config

$hcms_lang_codepage

$hcms_lang

$lang

Output

true/false

7.1.174 linking_valid

Description
Verifies if a valid access linking exists.

Syntax
linking_valid ()

Input parameters

global input parameters

$mgmt_config

$hcms_linking

Output

true/false

7.1.175 linking_objects

Description
Returns the all objects of an access link as an array.

Syntax
linking_objects ($return_text_id=array())

Input parameters

$return_text_id ... %

global input parameters

$mgmt_config

$hcms_linking

Output

result array / false on error

7.1.176 linking_inscope

Description
Verifies if the provided location path is in the scope of the access linking.

Syntax
linking_inscope ($site="", $location, $page="", $cat="")

Input parameters

$site ... publication name [string] (optional)

$location ... location [string]

$page ... object name [string] (optional)

$cat ... object category [comp, page] (optional)

global input parameters

$mgmt_config

$hcms_linking

Output

true/false

7.1.177 savecontent

Description

Saves the provided content for a specific object. Only the provided content based on its ID will be saved. Existing content with a different ID will not be deleted.

Example of a page content array as content input:

```
array(
array(
"pagetitle"=>"My Page",
"pageauthor"=>"Thomas Tester",
"pagedescription"=>"Just an example"
),
array(
"id"=>"MyText",
"textu"=>"I am a text"
),
array(
"id"=>"MyImage",
"mediaobject"=>"%comp%/myPublication/image.jpg",
"mediaalttext"=>"This is my image",
"mediaalign"=>"top",
"mediawidth"=>"260",
"mediaheight"=>"140",
),
array(
"id"=>"MyLink",
"linkhref"=>"http://www.hypercms.com",
"linktarget"=>"_SELF",
"linktext"=>"hyperCMS Home"
),
array(
"id"=>"MyComponent",
"componentm"=>"%comp%/comp_1.html|%comp%/comp_2.html",
"condition"=>""
)
)
```

Syntax
savecontent ($site, $location, $page, $content, $charset="UTF-8", $user, $db_connect="")

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$content ... content array with 1st key as index number and 2nd keys as id or name according to the template tags [array]

$charset ... character set [string] (optional)

$user ... user name [string]

$db_connect ... DB connectivity file name [string] (optional)

global input parameters

$mgmt_config

$lang

$hcms_lang

$eventsystem

$rootpermission

$globalpermission

$localpermission

$siteaccess

$pageaccess

$compaccess

$adminpermission

$hiddenfolder

Output

true/false

7.2 Get API Functions

7.2.1 getserverload

Syntax
getserverload ($interval=0)

Input parameters

$interval ... intervall for average system load can be 1

Output

Returns the average system load (the number of processes in the system run queue) over the last minute

the number of CPU cores

and the memory usage as array

7.2.2 getconfigvalue

Description
Help function for createinstance

Syntax
getconfigvalue ($config, $in_key="")

Input parameters

$config ... settings [array]

$in_key ... value/substring in array key [string] (optional)

Output

value of setting

7.2.3 getsession

Syntax
getsession ($variable, $default="")

Input parameters

$variable ... session variable name [string]

$default ... default session value [string] (optional)

Output

session value

7.2.4 getrequest

Description
Returns the value of a POST, GET or COOKIE request, or a default value if not valid.

Syntax
getrequest ($variable, $force_type=false, $default="")

Input parameters

$variable ... request variable name [string]

$force_type ... must be of certain type [numeric, array, publicationname, locationname, objectname, url, bool] (optional)

$default ... default value [string] (optional)

Output

request value

7.2.5 getrequest_esc

Description
Returns the escaped value in order to prevent XSS from POST, GET or COOKIE variables. Returns a default value if not valid.

Syntax
getrequest_esc ($variable, $force_type=false, $default="", $js_protection=false)

Input parameters

$variable ... request variable name [string]

$force_type ... must be of certain type [numeric, array, publicationname, locationname, objectname] (optional)

$default ... default value [string] (optional)

$js_protection ... remove characters to avoid JS injection [boolean] (optional)

Output

request value

7.2.6 getuserip

Description
Retrieves the IP address of the client/user.

Syntax
getuserip ()

Input parameters

Output

IP address of client / false on error

7.2.7 getobjectlistcells

Syntax
getobjectlistcells ($viewportwidth, $is_mobile=0)

Input parameters

$viewportwidth ... width of viewport or window in pixels [integer]

$is_mobile ... is mobile device [0, 1] (optional)

Output

number of table cells/rows for the gallery view of object lists

7.2.8 getlanguageoptions

Syntax
getlanguageoptions ()

Input parameters

global input parameters

$mgmt_config

Output

array with 2-digit language code as key and language name in English as value / false on error

7.2.9 getlanguagefile

Syntax
getlanguagefile ($lang="en")

Input parameters

$lang ... language code [string] (optional)

global input parameters

$mgmt_config

Output

language file name

7.2.10 getcodepage

Syntax
getcodepage ($lang="en")

Input parameters

$lang ... language code [string] (optional)

global input parameters

$mgmt_config

$hcms_lang_codepage

Output

code page (character set)

7.2.11 getcalendarlang

Syntax
getcalendarlang ($lang="en")

Input parameters

$lang ... language code [string] (optional)

global input parameters

$mgmt_config

Output

supported language code for calendar

7.2.12 getescapedtext

Description
Returns the synonyms of a word.

Syntax
getescapedtext ($text, $charset="", $lang="")

Input parameters

$text ... word [string]

$charset ... 2-digit language code [string] (optional)

$lang

global input parameters

$mgmt_config

Output

array holding all synonyms including the provided word / false on error

7.2.13 getsearchhistory

Syntax
getsearchhistory ($user="")

Input parameters

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

array holding all expressions (in single quotes) of the search history of a user / false on error

7.2.14 gettaxonomy_sublevel

Description
Returns sorted keywords of a taxonomy level (multilingual support based on taxonomies).
Global variable $taxonomy can be used to pass the taxonomy as array.

Syntax
gettaxonomy_sublevel ($site, $lang="en", $tax_id="0")

Input parameters

$site ... publication name [string]

$lang ... language code [string] (optional)

$tax_id ... taxonomy parent ID [string] (optional)

global input parameters

$mgmt_config

$taxonomy

Output

array holding all keywords of the next taxonomy level / false on error

7.2.15 gettaxonomy_childs

Description
Returns keywords based on taxonomy defintion and synonyms if expression is a keyword (multilingual support based on taxonomies and synonyms).
The expression can be a taxonomy path in the form of %taxonomy%/site/language-code/taxonomy-ID/taxonomy-child-levels (use "all" for all languages and "0" for all taxonomy-IDs on first level).
Global variable $taxonomy can be used to pass the taxonomy as array.

Syntax
gettaxonomy_childs ($site="", $lang="", $expression, $childlevels=1, $id_only=true)

Input parameters

$site ... publication name [string] (optional)

$lang ... language code [string] (optional)

$expression ... taxonomy ID or expression or taxonomy path in the form %taxonomy%/publication-name or 'default'/language-code/taxonomy-ID/taxonomy-child-levels [string]

$childlevels ... taxonomy child levels [integer] (optional)

$id_only ... only return taxonomy IDs without language and keyword information [boolean] (optional)

global input parameters

$mgmt_config

$taxonomy

Output

array holding all taxonomy IDs / false on error

7.2.16 gethierarchy_defintion

Description
Reads the metadata/content hierarchy defintion and returns a multidimensinal array.

Syntax
gethierarchy_defintion ($site, $selectname="")

Input parameters

$site ... publication name [string]

$selectname ... hierarchy name [string] (optional)

global input parameters

$mgmt_config

Output

hierarchy array in form of array[name][level][text-id][language] = label / false on error

7.2.17 gethierarchy_sublevel

Description
Returns sorted values of a metadata/content hierarchy level.

Syntax
gethierarchy_sublevel ($hierarchy_url)

Input parameters

$hierarchy_url ... hierarchy URL in form of %hierarchy%/publication-name/hierarchy-name/hierarchy-level-of-last-element/text-ID-1=value-1/text-ID-2=value-2/text-ID-3 [string]

global input parameters

$mgmt_config

$lang

Output

array holding all hierarchy URLs as key and text content or label as value / false on error

7.2.18 getkeywords

Description
Generates an array holding all keywords and the number as value and keyword ID as key.

Syntax
getkeywords ($site="")

Input parameters

$site ... publication name [string] (optional)

global input parameters

$mgmt_config

Output

keywords as array / false on error

7.2.19 getmetakeywords

Description
Generates a keyword list from a plain text. Stop word lists are defined in data/include/stopwords.inc.php

Syntax
getmetakeywords ($text, $language="en", $charset="UTF-8")

Input parameters

$text ... text [string]

$language ... language to be used for stop word list [de, en, ...] (optional)

$charset ... character set [string] (optional)

global input parameters

$mgmt_config

Output

keywords as array /false on error

7.2.20 getmetadescription

Description
Generates a description from a text, to be used as meta information.

Syntax
getmetadescription ($text, $charset="UTF-8")

Input parameters

$text ... text [string]

$charset

Output

cleanded description of provided text /false on error

7.2.21 getgooglesitemap

Description
Generates a google sitemap xml-output

Syntax
getgooglesitemap ($site, $dir, $url, $getpara=array(), $permalink=array(), $chfreq="weekly", $prio="", $ignore=array(), $filetypes=array('cfm', 'htm', 'html', 'xhtml', 'asp', 'aspx', 'jsp', 'php', 'pdf'), $show_freq=true, $show_prio=true)

Input parameters

$site ... publication name [string]

$dir ... directory path [string]

$url ... URL to directory [string]

$getpara ... GET parameters to use for new versions of the URL as array (optional)

$permalink ... permanent links text-ID to use for location [array] (optional)

$chfreq ... frequency of google scrawler [never, weekly, daily] (optional)

$prio ... priority [1 or less] (optional)

$ignore ... ignore file names [array] (optional)

$filetypes ... allowed file types [array] (optional)

$show_freq ... include frequenzy tag [boolean] (optional)

$show_prio ... include priority tag [boolean] (optional)

global input parameters

$mgmt_config

$publ_config

Output

xml sitemap / false on error

7.2.22 getlistelements

Syntax
getlistelements ($list_sourcefile)

Input parameters

$list_sourcefile ... content attribute value of list or keyword tag

global input parameters

$mgmt_config

$lang

Output

string with list/keyword elements sperated by commas / false

7.2.23 getmetadata

Syntax
getmetadata ($location, $object, $container="", $seperator="\r\n", $template="")

Input parameters

$location ... location [string]

$object ... object name (both optional if container is given) [string]

$container ... container name/ID or container content [string] (optional)

$seperator ... seperator of meta data fields [any string, array] (optional)

$template ... publication name/template name to extract label names [string] (optional)

global input parameters

$mgmt_config

Output

string with all metadata from given object based on container / false

7.2.24 getmetadata_multiobjects

Description
Extracts all metadata including media information for a provided list of objects.
This function is used for the CSV export in the objectlist views and also evaluates the access permissions of the user.

Syntax
getmetadata_multiobjects ($multiobject_array, $user)

Input parameters

$multiobject_array ... converted path of multiple objects [array]

$user ... user name [string]

global input parameters

$mgmt_config

$siteaccess

$pageaccess

$compaccess

$hiddenfolder

$adminpermission

$localpermission

Output

assoziatve array with all text content and meta data / false

7.2.25 getmetadata_container

Description
Extracts container, media, and metadata information of a container.
This function is used for the presentation of metadata for objectlist views.

Syntax
getmetadata_container ($container_id, $text_id_array)

Input parameters

$container_id ... container ID [string]

$text_id_array ... array of text IDs [array]

global input parameters

$mgmt_config

$labels

Output

assoziatve array with all text content and meta data / false

7.2.26 getobjectlist

Description
Get all objects of a location. This is a simplified wrapper for function rdbms_searchcontent.

Syntax
getobjectlist ($site="", $location="", $folderhash="", $objectlistcols=array())

Input parameters

$site ... publication name [string] (optional)

$location ... location [string] (optional)

$folderhash ... folder hash code [string] (optional)

$objectlistcols ... text IDs to be returned e.g. text:Title [array] (optional)

global input parameters

$mgmt_config

Output

result array / false on error

7.2.27 getobjectcontainer

Description
Loads the content container of a given object (page, component, folder).

Syntax
getobjectcontainer ($site, $location, $object, $user, $type="work")

Input parameters

$site ... publication name [string]

$location ... location [string]

$object ... object name [string]

$user ... user name [string]

$type ... container type [work, published] (optional)

global input parameters

$mgmt_config

Output

Content Container [XML]/false

7.2.28 getcontainer

Description
Obsolete function used as an alias for the loadcontainer function without the possibility to load locked containers

Syntax
getcontainer ($containerid, $type)

Input parameters

$containerid ... container name or container ID [string]

$type ... container type [published, work]

global input parameters

$mgmt_config

Output

Contant Container [XML]/false

7.2.29 getwallpaper

Description
Provides a wallpaper image or video used for the logon and home screen.

Syntax
getwallpaper ($theme="", $version="")

Input parameters

$theme ... design theme name [string] (optional)

$version ... version number for the wallpaper service [string] (optional)

global input parameters

$mgmt_config

Output

URL of wallpaper image / false

7.2.30 getcontainername

Syntax
getcontainername ($container)

Input parameters

$container ... container name (e.g. 0000112.xml.wrk) or container ID [string]

global input parameters

$mgmt_config

Output

Array with file name of the working content container (locked or unlocked!) and username if locked

7.2.31 getlocationname

Syntax
getlocationname ($site, $location, $cat, $source="path")

Input parameters

$site ... publication name [string]

$location ... location path (as absolute path or converted path) [string]

$cat ... category [page, comp]

$source ... source for name [path, name]

global input parameters

$mgmt_config

$lang

$hcms_lang_codepage

Output

location with readable names instead of directory and file names / false on error

7.2.32 getthemes

Description
Returns all design theme names as values and the techical names (path) as key of the result array.

Syntax
getthemes ($site_array=array())

Input parameters

$site_array ... publication name as string or array [string, array] (optional)

global input parameters

$mgmt_config

Output

all design theme names as array / false

7.2.33 getthemelocation

Description
Returns the absolute path (URL) of the theme (css and images).
If the main configuration setting $mgmt_config['theme'] defines a theme, this theme will be mandatory in case it exists.

Syntax
getthemelocation ($theme="")

Input parameters

$theme ... theme name [string] (optional)

global input parameters

$mgmt_config

Output

path to theme / false

7.2.34 getcategory

Description
Evaluates the category ['page, comp'] of a location

Syntax
getcategory ($site="", $location)

Input parameters

$site ... publication name [string] (optional)

$location ... location path [string]

global input parameters

$mgmt_config

$publ_config

Output

category ['page

comp'] / false on error

7.2.35 getpublication

Description
Extract the publication name of a location path

Syntax
getpublication ($path)

Input parameters

$path ... converted location path [string]

Output

publication name

7.2.36 getlocation

Description
Extract the location excluding object or folder of a location path

Syntax
getlocation ($path)

Input parameters

$path ... location path [string]

Output

location (without object or folder)

7.2.37 getobject

Description
Extract the object or folder of a location path

Syntax
getobject ($path)

Input parameters

$path ... location path [string]

Output

object or folder name

7.2.38 getmediacontainername

Description
Extract the container name from a multimedia file name by using the hcm-ID

Syntax
getmediacontainername ($file)

Input parameters

$file ... file name [string]

Output

container name / false on error

7.2.39 getmediafileversion

Description
Extracts the name from the multimedia file by container name or ID in order to get the media file of older content versions.
if the result is false, there is no older media file version.

Syntax
getmediafileversion ($container)

Input parameters

$container ... container name or container ID [string]

global input parameters

$mgmt_config

$user

Output

media file name / false on error

7.2.40 getobjectid

Description
Converts the object path to the object ID of any object

Syntax
getobjectid ($objectlink)

Input parameters

$objectlink ... converted object path or pathes separated by | [string]

Output

object ID

7.2.41 getobjectlink

Description
Converts the object ID to the object path of any object

Syntax
getobjectlink ($objectid)

Input parameters

$objectid ... converted object ID or IDs separated by | [string]

Output

converted object link

7.2.42 getcontainerversions

Syntax
getcontainerversions ($container)

Input parameters

$container ... container ID or container name [string]

global input parameters

$mgmt_config

Output

array of all versions (array[version-extension] = file-name) / false

7.2.43 getlocaltemplates

Description
This function returns a list of all templates of a publication without inherited templates from other publications.

Syntax
getlocaltemplates ($site, $cat="all")

Input parameters

$site ... publication name [string]

$cat ... template category [all, page, comp, meta, inc, portal] (optional)

global input parameters

$mgmt_config

Output

array with all template names / false

7.2.44 gettemplates

Description
This function returns a list of all templates for pages or components.
Based on the inheritance settings of the publication the template will be loaded with highest priority from the own publication and if not available from a parent publication.
Portal templates are not supoported by the template inheritance due to the fact that the portal access link permission is connected to a specific publication.

Syntax
gettemplates ($site, $cat="all")

Input parameters

$site ... publication name [string]

$cat ... object category [all, page, comp, meta] (optional)

global input parameters

$user

$mgmt_config

$hcms_lang

$lang

Output

template file name list as array / false on error

7.2.45 gettemplateversions

Syntax
gettemplateversions ($site, $template)

Input parameters

$site ... publication name [string]

$template ... template name [string]

global input parameters

$mgmt_config

Output

array of all versions (array['YYYY-MM-DD HH:MM:SS'] = file-name) / false

7.2.46 getfileinfo

Description
defines file properties based on the file extension and returns file info as an array:
$result['file']: file name without hypercms management extension
$result['name']: readable file name without hypercms management extension
$result['filename']: file name without file extensions
$result['icon']: file name of the file icon
$result['type']: file type
$result['ext']: file extension incl. dot in lower case
$result['published']: if page or component is published (true) or not (false), true in all other cases
$result['deleted']: if file is deleted = true else = false

Syntax
getfileinfo ($site, $file, $cat="comp")

Input parameters

$site ... publication name [string] (optional)

$file ... file name incl. extension [string]

$cat ... category [page, comp] (optional)

global input parameters

$mgmt_config

Output

array/false

7.2.47 getobjectinfo

Description
Get all file pointers (container, media, template) and object name from object file and collect info from container version, if provided

Syntax
getobjectinfo ($site, $location, $object, $user="sys", $container_version="")

Input parameters

$site ... publication name [string]

$location ... location [string]

$object ... object name [string]

$user ... user name [string] (optional)

$container_version ... container version [string] (optional)

global input parameters

$mgmt_config

Output

result array / false on error

7.2.48 getfilesize

Description
This function won't give you a proper result of the file size of multimedia components, if there is no Database installed.

Syntax
getfilesize ($file)

Input parameters

$file ... converted path to file or directory [string]

global input parameters

$mgmt_config

Output

result array with file size in kB and file count / false on error

7.2.49 getmimetype

Description

Gets the mime-type of the file by its extension.
If file has a version file extension the next file extension will be used.

Syntax

getmimetype ($file)

Input parameters

$file ... file name incl. extension [string]

global input parameters

$mgmt_config

Output

mime_type

7.2.50 getfiletype

Syntax

getfiletype ($file_ext)

Input parameters

$file_ext ... file extension or file name [string]

global input parameters

$mgmt_config

$hcms_ext

Output

file type to be saved in database based on file extension

7.2.51 getpreviewwidth

Description
Returns the default preview/annotation width in pixel of a document, image, or video

Syntax
getpreviewwidth ($site, $filepath, $width_orig="")

Input parameters

$site ... publication name [string] (optional)

$filepath ... path to file or file name [string]

$width_orig ... original width [string] (optional)

global input parameters

$mgmt_config

$hcms_ext

Output

result array with width and height / false on error

7.2.52 getimagecolorkey

Description
Extracts the color key for an image that represents the 5 mostly used colors:
K...black
W...white
E...grey
R...red
G...green
B...blue
C...cyan
M...magenta
Y...yellow
O...orange
P...pink
N...brown

Syntax
getimagecolorkey ($image)

Input parameters

$image ... image resource [resource]

global input parameters

$mgmt_config

Output

color key of image / false on error

7.2.53 getimagecolors

Description
Uses the thumbnail image to calculate the mean color (red, green, blue), defines the colorkey (5 most commonly used colors) and the image type (landscape, portrait, square)

Syntax
getimagecolors ($site, $file)

Input parameters

$site ... publication name [string]

$file ... media file name [string]

global input parameters

$mgmt_config

$user

Output

result array / false on error

7.2.54 getmediasize

Syntax
getmediasize ($filepath)

Input parameters

$filepath ... path to media file [string]

global input parameters

$mgmt_config

$mgmt_imagepreview

$user

Output

Array with media width and height / false on error

7.2.55 getimageinfo

Syntax
getimageinfo ($filepath)

Input parameters

$filepath ... path to media file [string]

global input parameters

$mgmt_config

$mgmt_imagepreview

$user

Output

Array with image information like md5 hash

file type

file size

width

height

colors / false on error

7.2.56 getpdfinfo

Description
Extracts width and height in pixel of a PDF file based on the MediaBox in the files content or

ImageMagick as fallback

Syntax
getpdfinfo ($filepath, $box="MediaBox")

Input parameters

$filepath ... path to PDF file [string]

$box ... box attribute [BleedBox, CropBox, MediaBox] (optional)

global input parameters

$mgmt_config

$mgmt_imagepreview

$user

Output

result array with MD5 hash

file type

file size

last modfied date and time

width

height / false on error

7.2.57 getvideoinfo

Description
Extract video metadata from video file.

Syntax
getvideoinfo ($filepath)

Input parameters

$filepath ... path to video file [string]

global input parameters

$mgmt_config

$mgmt_mediapreview

$user

Output

video file information as result array / false on error

7.2.58 getbrowserinfo

Syntax
getbrowserinfo ()

Input parameters

Output

client browser and version as array / false on error

7.2.59 getcontentlocation

Description
Gets the content location based on the given container id.
The use of various directories is necessary since the number of directories is limited by the filesystem, e.g. Linux ext3 is limited to 32000.

Syntax
getcontentlocation ($container_id, $type="abs_path_content")

Input parameters

$container_id ... container id [string]

$type ... type [url_path_content, abs_path_content]

global input parameters

$mgmt_config

Output

location of the container file / false on error

7.2.60 getmedialocation

Description
Gets the media repsitory location from $mgmt_config array. The function supports up to 10 media repositories.
Any other rules for splitting the media files on multiple devices can be implemented as well by

the function getmedialocation_rule.
If the file resides outside the repository (symbolic link is used in the repository), the full path including the file name can be returned.

Syntax
getmedialocation ($site, $file, $type, $resolve_symlink=false)

Input parameters

$site ... publication name [string]

$file ... multimedia file name (including hcm-ID) [string]

$type ... type [url_path_media, abs_path_media, url_publ_media, abs_publ_media]

$resolve_symlink ... resolve symbolik links [boolean] (optional)

global input parameters

$mgmt_config

$publ_config

Output

location of the multimedia file / false on error

7.2.61 getlockedfileinfo

Description
Finds the locked file and returns the name and user as array

Syntax
getlockedfileinfo ($location, $file)

Input parameters

$location ... location to file [string]

$file ... file name [string]

global input parameters

$mgmt_config

Output

Array holding file name incl. lock extension and user name / false on error

7.2.62 getfavorites

Syntax
getfavorites ($user, $output="path", $return_text_id=array())

Input parameters

$user ... user name [string]

$output ... output format [path, id] (optional)

$return_text_id ... text IDs to be returned if output=path [array] (optional)

global input parameters

$mgmt_config

Output

object info or object id array of users favorites / false

7.2.63 getclipboard

Syntax
getclipboard ($output="path", $return_text_id=array())

Input parameters

$output ... output format [path, id] (optional)

$return_text_id ... text IDs to be returned if output=path [array] (optional)

global input parameters

$mgmt_config

Output

object info or object id array of the users clipboard objects / false

7.2.64 gethomeboxes

Syntax
gethomeboxes ($site_array=array())

Input parameters

$site_array ... pupblication name [array] (optional)

global input parameters

$mgmt_config

Output

All home boxes as array with technical name as key and readable name as value / false

7.2.65 getuserboxes

Syntax
getuserboxes ($user)

Input parameters

$user ... user name [string]

global input parameters

$mgmt_config

Output

selected home box of a user as array with technical name as key and readable name as value / false

7.2.66 getusersonline

Syntax
getusersonline ($sites=array())

Input parameters

$sites ... publication names [array] (optional)

global input parameters

$mgmt_config

$siteaccess

Output

Array of online user names / false

7.2.67 getchatstate

Syntax
getchatstate ($register=true)

Input parameters

$register … register stat in session [true/false] (optional)

global input parameters

$mgmt_config

Output

state of chat / false on error

7.2.68 getimagelib

Syntax
getimagelib ()

Input parameters

global input parameters

$mgmt_imagepreview

Output

name of image library used [GD

ImageMagick] / false on error

7.2.69 getfilename

Description
Extracts the file name of the content and template pointer tags of an object file

Syntax
getfilename ($filedata, $tagname)

Input parameters

$filedata … file content [string]

$tagname ... hyperCMS tag name in page or component [string]

Output

file name

7.2.70 gethypertag

Description
Finds the hyperCMS tag start and end position and returns an array of the whole tags including all information.
Offset value must be integer value and is used to skip search for hyperCMS tag till offset position of filedata.

Syntax
gethypertag ($filedata, $tagname, $offset=0)

Input parameters

$filedata ... file content [string]

$tagname ... full/partly hyperCMS tag name (with or without hyperCMS:) [string]

$offset ... offset position [integer]

Output

full hyperCMS tag array [array]/false on error

7.2.71 gethypertagname

Description
Reads the name of the hyperCMS tag

Syntax
gethypertagname ($tagdata)

Input parameters

$tagdata ... full hyperCMS tag [string]

Output

full hyperCMS tag name/false on error

7.2.72 gethtmltag

Description
Finds the first html tag start and end position of a nested hyperCMS tag and returns the whole tag including all information.
Works also if other script tags are nested in the HTML-tag.
This function is not case sensitive!

Syntax
gethtmltag ($filedata, $tag)

Input parameters

$filedata ... file content [string]

$tag ... full hyperCMS tag (or other identifier) [string]

Output

full html tag/false on error

7.2.73 gethtmltags

Description
Finds the nearest html tag start and end position of a nested hyperCMS tag and returns the whole tag including all information.
This functions works also for html-tag pairs like <a href></a>, <div></div> and so on.

Syntax
gethtmltags ($filedata, $tag)

Input parameters

$filedata ... file content [string]

$tag ... full hyperCMS tag or other identifier in html tag [string]

Output

string from html tag start to end tag/false on error

7.2.74 getattribute

Description
Get the value of a certain attribute out of a string (...attributname=value....)

Syntax
getattribute ($string, $attribute, $secure=true)

Input parameters

$string ... string including attributes [string]

$attribute ... attribute name [string]

$secure ... secure attribute value reg. XSS [boolean] (optional)

Output

attribute value/false on error

7.2.75 getoption

Description
Get the value of a certain option out of a string (-c:v value -ar 44100)

Syntax
getoption ($string, $option)

Input parameters

$string ... string including options [string]

$option ... option name [string]

Output

option value / false on error

7.2.76 getcharset

Description
Extract the content-type definition and the character set from the template (1st priority), content container (2nd priority) or publication settings (3rd priority)

Syntax
getcharset ($site, $data)

Input parameters

$site ... publication name [string]

$data ... data from template or content container [string]

global input parameters

$mgmt_config

Output

array with content-type and charset / false on error

7.2.77 getartid

Description
Extract the article ID from the tag ID

Syntax
getartid ($id)

Input parameters

$id ... string including id [string]

Output

article id/false on error

7.2.78 getelementid

Description
Extract the element ID from the tag ID

Syntax
getelementid ($id)

Input parameters

$id ... string including id [string]

Output

element id/false on error

7.2.79 getfirstkey

Syntax
getfirstkey ($array)

Input parameters

$array ... array [array]

Output

array key of first element in array if $value is not empty / false on error

7.2.80 getdirectoryfiles

Syntax
getdirectoryfiles ($dir, $pattern="")

Input parameters

$dir ... path to directory [string]

$pattern ... pattern as string [string] (optional)

Output

sorted array of all files matching the pattern / false on error

7.2.81 getuserinformation

Description
This function creates an assoziative array with user information, e.g. for a user select box.

Syntax
getuserinformation ($login="")

Input parameters

$login ... user name [string] (optional)

global input parameters

$mgmt_config

$user

Output

assoziative array with basic user information [publication->username->attribute] / false

7.2.82 getworkflowitem

Syntax
getworkflowitem ($site, $workflow_file, $workflow, $user)

Input parameters

$site ... publication name [string]

$workflow_file ... location [string]

$workflow ... object name [string]

$user ... workflow file name [string]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

workflow item [XML-string]

7.3 Set API Functions

7.3.1 setsession

Syntax
setsession ($variable, $content="", $write=false)

Input parameters

$variable ... temporary hyperCMS variable name [string or array]

$content ... value [string or array] (optional)

$write ... write session data for load balancer [boolean] (optional)

Output

true / false on error

7.3.2 settemplate

Description
This function sets the template for a single folder/object or all objects in a folder.

Syntax
settemplate ($site, $location, $object, $template, $recursive=false)

Input parameters

$site ... publication name [string]

$location ... location [string]

$object ... object [string]

$template ... template name [string]

$recursive ... recursive [boolean] (optional)

global input parameters

$mgmt_config

Output

true/false

7.3.3 settaxonomy

Description
Analyzes the content regarding all taxonomy keywords, saves results in database and returns an array (multilingual support based on taxonomies).

Syntax
settaxonomy ($site, $container_id, $langcode="", $taxonomy="")

Input parameters

$site ... publication name [string]

$container_id ... container ID [string]

$langcode ... 2-digit language code [string] (optional)

$taxonomy ... taxonomy definition [array] (optional)

global input parameters

$mgmt_config

Output

result array / false on error

7.3.4 setarticle

Description
Set article content in container. The content container will be returned and not saved.

Syntax
setarticle ($site, $contentdata, $contentfile, $arttitle=array(), $artstatus=array(), $artdatefrom=array(), $artdateto=array(), $artuser=array(), $user="sys")

Input parameters

$site ... publication name [string]

$contentdata ... container (XML) [string]

$contentfile ... container name [string]

$arttitle ... article title [array]

$artstatus ... article status [array]

$artdatefrom ... article beginn date [array] (optional)

$artdateto ... article end date [array] (optional)

$artuser ... article user name [array or string] (optional)

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

updated content container (XML)

false on error

7.3.5 settext

Description
Set text content in container and database. The content container will be returned and not saved.

Syntax
settext ($site, $contentdata, $contentfile, $text=array(), $type=array(), $art="no", $textuser=array(), $user="sys", $charset="", $addmicrotime=false)

Input parameters

$site ... publication name [string]

$contentdata ... container (XML) [string]

$contentfile ... container name [string]

$text ... text with tag Id as key and text as value [array]

$type ... text type [array or string] [u, f, l, c, d, k]

$art ... article [array or string] [yes, no] (optional)

$textuser ... text user [array or string] (optional)

$user ... user name [string] (optional)

$charset ... character set of text content [string] (optional)

$addmicrotime ... add microtime to ID used for comments [boolean] (optional)

global input parameters

$mgmt_config

$publ_config

Output

updated content container (XML)

false on error

7.3.6 setmedia

Description
Set media content in container and database. The content container will be returned and not saved.

Syntax
setmedia ($site, $contentdata, $contentfile, $mediafile=array(), $mediaobject=array(), $mediaalttext=array(), $mediaalign=array(), $mediawidth=array(), $mediaheight=array(), $art="no", $mediauser="", $user="sys", $charset="")

Input parameters

$site ... publication name [string]

$contentdata ... container (XML) [string]

$contentfile ... container name [string]

$mediafile ... media files with tag ID as key and reference as value [array] (optional)

$mediaobject ... new media object references with tag ID as key and reference as value [array]

$mediaalttext ... media alternative text [array] (optional)

$mediaalign ... media alignment [array] (optional)

$mediawidth ... media width [array] (optional)

$mediaheight ... media height [array] (optional)

$art ... article [array or string] [yes, no] (optional)

$mediauser ... content user [array or string] (optional)

$user ... user name [string] (optional)

$charset ... character set of text content [string] (optional)

global input parameters

$mgmt_config

Output

updated content container (XML)

false on error

7.3.7 setpagelink

Description
Set link content in container and database. The content container will be returned and not saved.

Syntax
setpagelink ($site, $contentdata, $contentfile, $linkhref=array(), $linktarget=array(), $linktext=array(), $art="no", $linkuser=array(), $user="sys", $charset="")

Input parameters

$site ... publication name [string]

$contentdata ... container (XML) [string]

$contentfile ... container name [string]

$linkhref ... new link with tag ID as key and link reference as value [array]

$linktarget ... link target [array] (optional)

$linktext ... link text [array] (optional)

$art ... article [array or string] [yes, no] (optional)

$linkuser ... content user [array or string] (optional)

$user ... user name [string] (optional)

$charset ... character set of text content [string] (optional)

global input parameters

$mgmt_config

Output

updated content container (XML)

false on error

7.3.8 setcomplink

Description
Set component link content in container and database. The content container will be returned and not saved.

Syntax
setcomplink ($site, $contentdata, $contentfile, $component=array(), $condition=array(), $art="no", $compuser=array(), $user="sys")

Input parameters

$site ... publication name [string]

$contentdata ... container (XML) [string]

$contentfile ... container name [string]

$component ... new components with tag ID as key and component reference as value [array]

$condition ... conditions [array] (optional)

$art ... article [array or string] [yes, no] (optional)

$compuser ... content user [array or string] (optional)

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

updated content container (XML)

false on error

7.3.9 sethead

Description
Only used for content in general head information of container.

Syntax
sethead ($site, $contentdata, $contentfile, $headcontent=array(), $user="sys", $charset="")

Input parameters

$site ... publication name [string]

$contentdata ... container (XML) [string]

$contentfile ... container name [string]

$headcontent ... head content with tagname as ID and text as value [array]

$user ... user name [string] (optional)

$charset ... character set of text content [string] (optional)

global input parameters

$mgmt_config

Output

updated content container (XML)

false on error

7.3.10 setrelation

Description
This function sets a relationship between two objects by adding the reference as a multi component link to the specified tag ID of both objects.

Syntax
setrelation ($site, $location_1, $object_1, $id_1="Related", $location_2, $object_2, $id_2="Related", $user)

Input parameters

$site ... publication name [string]

$location_1 ... location path 1 [string]

$object_1 ... object name 1 for component link reference 2 [string]

$id_1 ... tag/content ID 1 for component reference to object 2 [string] (optional)

$location_2 ... location path 2 [string]

$object_2 ... object name 2 for component link reference 2 [string]

$id_2 ... tag/content ID 2 for component reference to object 1 [string] (optional)

$user ... user name [string]

global input parameters

$mgmt_config

Output

true / false on error

7.3.11 setfilename

Description
Sets or creates the file name of the hyperCMS content file, template file, media file or file name pointer

Syntax
setfilename ($filedata, $tagname, $value)

Input parameters

$filedata ... file content [string]

$tagname ... hyperCMS tag name in page or component [content, template, media, name]

$value ... new value [string]

Output

filedata/false on error

7.3.12 setuserboxes

Syntax
setuserboxes ($name_array, $user)

Input parameters

$name_array ... home box file names [array or string]

$user ... user name [string]

global input parameters

$mgmt_config

Output

true / false

7.3.13 setguiview

Syntax
setguiview ($objectview, $explorerview, $sidebar, $user)

Input parameters

$objectview ... object view name [formedit, cmsview, inlineview]

$explorerview ... explorer view name [detail, small, medium, large]

$sidebar ... show sidebar [true=1, false=0]

$user ... user name [string]

global input parameters

$mgmt_config

Output

true / false

7.4 Connect API Functions

7.4.1 ftp_userlogon

Description
This function connects and performs logon to an FTP server.

Syntax
ftp_userlogon ($server, $user, $passwd, $ssl=false)

Input parameters

$server ... FTP servername or IP [string]

$user ... user name [string]

$passwd ... password [string]

$ssl ... SSL [boolean] (optional)

global input parameters

$mgmt_config

Output

true / false on error

7.4.2 ftp_userlogout

Description
This function disconnects from an FTP server.

Syntax
ftp_userlogout ($conn_id)

Input parameters

$conn_id ... FTP connection [resource]

global input parameters

$mgmt_config

Output

true / false on error

7.4.3 ftp_getfile

Description
This function gets a file from the FTP server.

Syntax
ftp_getfile ($conn_id, $remote_file, $local_file, $passive=true)

Input parameters

$conn_id ... FTP connection [resource]

$remote_file ... path to file on FTP server [string]

$local_file ... passive mode [boolean] (optional)

$passive

global input parameters

$mgmt_config

Output

true / false on error

7.4.4 ftp_putfile

Description
This function puts a file to the FTP server.

Syntax
ftp_putfile ($conn_id, $local_file, $remote_file, $passive=true)

Input parameters

$conn_id ... FTP connection [resource]

$local_file ... path to local file [string]

$remote_file ... path to file on FTP server [string]

$passive ... passive mode [boolean] (optional)

global input parameters

$mgmt_config

Output

true / false on error

7.4.5 ftp_deletefile

Description
This function deletes a file from the FTP server.

Syntax
ftp_deletefile ($conn_id, $remote_file, $passive=true)

Input parameters

$conn_id ... FTP connection [resource]

$remote_file ... path to file on FTP server [string]

$passive ... passive mode [boolean] (optional)

global input parameters

$mgmt_config

Output

true / false on error

7.4.6 ftp_filelist

Description
This function gets a file/directory listing of the FTP server.

Syntax
ftp_filelist ($conn_id, $path=".", $passive=true)

Input parameters

$conn_id ... FTP connection [resource]

$path ... path to remote directory [string] (optional)

$passive ... passive mode [boolean] (optional)

global input parameters

$mgmt_config

Output

result array / false on error

7.4.7 createsharelink_facebook

Syntax
createsharelink_facebook ($site, $url)

Input parameters

$site ... URL to share [string]

$url

global input parameters

$mgmt_config

Output

Share URL / false on error

7.4.8 createsharelink_twitter

Syntax
createsharelink_twitter ($site, $url, $text)

Input parameters

$site ... URL to share [string]

$url ... message to share [string]

$text

global input parameters

$mgmt_config

Output

Share URL / false on error

7.4.9 createsharelink_googleplus

Syntax
createsharelink_googleplus ($site, $url)

Input parameters

$site ... URL to share [string]

$url

global input parameters

$mgmt_config

Output

Share URL / false on error

7.4.10 createsharelink_linkedin

Syntax
createsharelink_linkedin ($site, $url, $title, $summary, $source)

Input parameters

$site ... URL to share [string]

$url ... title [string]

$title ... summary [string] (optional)

$summary ... source [string] (optional)

$source

global input parameters

$mgmt_config

Output

Share URL / false on error

7.4.11 createsharelink_pinterest

Syntax
createsharelink_pinterest ($site, $image_url, $title, $description)

Input parameters

$site ... image URL to share [string]

$image_url ... title [string]

$title ... description [string] (optional)

$description

global input parameters

$mgmt_config

Output

Share URL / false on error

7.5 Security API Functions

7.5.1 rootpermission

Description
Deseralizes the permission string and and returns the root permission array

Syntax
rootpermission ($site_name, $site_admin, $permission_str)

Input parameters

$site_name ... publication name [string]

$site_admin ... publication admin [boolean]

$permission_str ... permission string from group [string]

global input parameters

$rootpermission

$mgmt_config

Output

global permission array/false

7.5.2 globalpermission

Description
Deseralizes the permission string and returns the global permission array

Syntax
globalpermission ($site_name, $permission_str)

Input parameters

$site_name ... publication name [string]

$permission_str ... permission string from group [string]

Output

global permission array/false

7.5.3 localpermission

Description
Deseralizes the permission string and returns the local permission array

Syntax
localpermission ($site_name, $permission_str)

Input parameters

$site_name ... publication name [string]

$permission_str ... permission string from group [string]

Output

local permission array/false

7.5.4 accessgeneral

Description
Checks general access to certain system folders, publications and returns true if access is granted

Syntax
accessgeneral ($site, $location, $cat)

Input parameters

$site ... publication name [string]

$location ... location (path to folder) [string]

$cat ... object category [page, comp]

global input parameters

$mgmt_config

$hiddenfolder

$siteaccess

Output

true/false

7.5.5 accesspermission

Description
Evaluates page and component access permissions and returns group(s). Since version 8.0.0 this function does not evaluate the access based on access links anymore since explorer_objectlist verifies the access linking.

Syntax
accesspermission ($site, $location, $cat)

Input parameters

$site ... location (path to folder) [string]

$location ... object category [page, comp]

$cat

global input parameters

$user

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$mgmt_config

Output

group with access permissions as array / false on error

7.5.6 setlocalpermission

Description
Sets local permissions of a user group for a specific publication

Syntax
setlocalpermission ($site, $group_array, $cat)

Input parameters

$site ... publication name [string]

$group_array ... group name [array]

$cat ... object category [page, comp]

global input parameters

$localpermission

Output

local permission array / false on error

7.5.7 checkpublicationpermission

Description
Checks the access to a publication based on the site access and inheritance settings

Syntax
checkpublicationpermission ($site, $strict=true)

Input parameters

$site ... publication name [string]

$strict ... strictly limited to siteaccess only without inheritance [boolean] (optional)

global input parameters

$mgmt_config

$siteaccess

Output

"direct" for direct access via group permission / "inherited" for access through inheritance / false

7.5.8 checkadminpermission

Description
Checks the super admin permission

Syntax
checkadminpermission ()

Input parameters

global input parameters

$adminpermission

Output

true/false

7.5.9 checkrootpermission

Description
Checks the root permissions

Syntax
checkrootpermission ($name)

Input parameters

$name ... permission name [string]

global input parameters

$rootpermission

Output

true/false

7.5.10 checkglobalpermission

Description
Checks global permission for a publication

Syntax
checkglobalpermission ($site, $name)

Input parameters

$site ... publication name [string]

$name ... permission name [string]

global input parameters

$globalpermission

Output

true/false

7.5.11 checklocalpermission

Description
Checks local permissions of a user group for a specific publication

Syntax
checklocalpermission ($site, $group, $name)

Input parameters

$site ... publication name [string]

$group ... user group name [string]

$name ... permission name [string]

global input parameters

$$localpermission

Output

true/false

7.5.12 checklanguage

Syntax
checklanguage ($language_array, $language_value)

Input parameters

$language_array ... language array with all valid values [array]

$language_value ... language value of attribute in template tag [string}

Output

true if language array holds the given language value / false if not found

7.5.13 checkgroupaccess

Description
Verifies if a user has access to the tags content based on the group membership.

Syntax
checkgroupaccess ($groupaccess, $usergroup_array)

Input parameters

$groupaccess ... group access from template group-tag attribute [string]

$usergroup_array ... user group membership names [array]

Output

true if the current user group has access / false if not

7.5.14 userlogin

Description
Login of user by sending user and password using the variables: $sentuser, $sentpasswd
This procedure will register the user in the hypercms session and in the php session.
The procedure will return true or false using the variable $result.

Syntax
userlogin ($user="", $passwd="", $hash="", $objref="", $objcode="", $ignore_password=false, $locking=true, $portal="")

Input parameters

$user ... user name [string] (optional if hash code is used for logon)

$passwd ... password [string] (optional if hash code is used for logon)

$hash ... hash code of user [string] (optional)

$objref ... object reference for hcms linking (object ID) [string] (optional)

$objcode ... object code for hcms linking (crypted object ID) [string] (optional)

$ignore_password ... ignore passwordcheck needed for WebDAV or access link [boolean] (optional)

$locking ... lock IP after 10 failed attempts to login [boolean] (optional)

$portal ... portal name in the form of publication.portal or publication/portal [string] (optional)

global input parameters

$mgmt_config

$eventsystem

$hcms_lang_codepage

$hcms_lang

$lang

Output

result array

7.5.15 setportalpermissions

Description
Sets the permissions for a portal user by reducing the standard permissions.

Syntax
setportalpermissions ($login_result)

Input parameters

$login_result ... result from function userlogin [array]

global input parameters

$mgmt_config

Output

result array / false

7.5.16 registerinstance

Description
Registers the instance in the users session.

Syntax
registerinstance ($instance, $load_config=true)

Input parameters

$instance ... instance name [string]

$load_config ... load main config of instance [boolean] (optional)

global input parameters

$mgmt_config

Output

true/false

7.5.17 registeruser

Description
Registers all user related paramaters in the session. Access links can be provided with the login result or alternatively as the seperate accesslink parameter.

Syntax
registeruser ($instance="", $login_result, $accesslink=false, $hcms_objformats=false, $is_mobile=0, $is_iphone=0, $html5support=1)

Input parameters

$instance ... instance name [string] (optional)

$login_result ... result array of function userlogin [array]

$accesslink ... access link [array] (optional)

$hcms_objformats ... download formats of access link provided by function rdbms_getaccessinfo [array] (optional)

$is_mobile ... mobile browser result of client [0, 1] (optional)

$is_iphone ... is iOS browser result of client [0, 1] (optional)

$html5support ... HTML5 file support result of client [0, 1] (optional)

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

result array / false on error

7.5.18 registerassetbrowser

Syntax
registerassetbrowser ($userhash, $objecthash="")

Input parameters

$userhash ... user hash [string]

$objecthash ... object hash [string] (optional)

global input parameters

$mgmt_config

Output

true/false

7.5.19 createchecksum

Description
Creates the checksum of the user permissions.

Syntax
createchecksum ($permissions="")

Input parameters

$permissions ... array or empty [array]

Output

MD5 checksum

7.5.20 writesession

Description
Writes hyperCMS specific session data of a user.

Syntax
writesession ($user, $passwd, $checksum, $siteaccess=array())

Input parameters

$user ... user name [string]

$passwd ... password [string]

$checksum ... checksum [string]

$siteaccess ... publicaion access [array]

global input parameters

$mgmt_config

Output

true / false on error

7.5.21 writesessiondata

Description
Serializes and writes all session data of a user.

Syntax
writesessiondata ()

Input parameters

global input parameters

$mgmt_config

Output

true / false on error

7.5.22 createsession

Description
Checks if session data of a user is available. This function does access session variables directly.

Syntax
createsession ()

Input parameters

global input parameters

$mgmt_config

Output

true

7.5.23 killsession

Description
Destroys session data of a user.

Syntax
killsession ($user="", $destroy_php=true, $remove=false)

Input parameters

$user ... user name for hyperCMS session [string] (optional)

$destroy_php ... destroy php session [boolean] (optional)

$remove ... remove session file of the user [boolean] (optional)

global input parameters

$mgmt_config

Output

true

7.5.24 checkdiskkey

Description
Checks the disc key of the installation.

Syntax
checkdiskkey ($users="", $site="")

Input parameters

$users ... users XML [string] (optional)

$site ... publication names (use | as seperator) [string] (optional)

global input parameters

$mgmt_config

Output

true / false

7.5.25 checkpassword

Description
This function checks the strength of a password and return the error messages or true.

Syntax
checkpassword ($password, $user="")

Input parameters

$password ... password [string]

$user ... user name [string] (optional for password history)

global input parameters

$mgmt_config

$lang

Output

true if passed / error message as string

7.5.26 loguserip

Syntax
loguserip ($client_ip, $user="sys")

Input parameters

$client_ip ... client IP address [string]

$user ... user logon name [string] (optional)

global input parameters

$mgmt_config

Output

true / false on error

7.5.27 checkuserip

Syntax
checkuserip ($client_ip, $user="", $timeout=0)

Input parameters

$client_ip ... client IP address [string]

$user ... user logon name [string] (optional)

$timeout ... timeout in minutes [integer] (optional)

global input parameters

$mgmt_config

Output

true if IP is not locked / false if IP is locked or on error

7.5.28 checkuserrequests

Description
Provides security for Cross-Site Request Forgery.

Syntax
checkuserrequests ($user="sys")

Input parameters

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

true / false if a certain amount of reguests per minute is exceeded

7.5.29 recreateusersession

Description
Recreates the users session data in case it is missing (due to issues with Android Chrome and the Mobile Edition).
Recreates the session data only if the session ID is still available.

Syntax
recreateusersession ()

Input parameters

global input parameters

$mgmt_config

Output

true / false requires config.inc.php

7.5.30 checkusersession

Description
Checks if the session data of a user is valid. This function does access session variables directly.

Syntax
checkusersession ($user="sys", $CSRF_detection=true)

Input parameters

$user ... user name [string] (optional)

$CSRF_detection ... include CSRF detection [boolean]

global input parameters

$mgmt_config

Output

true / html-output followed by termination requires config.inc.php

7.5.31 allowuserip

Description
Verifies if the client IP is in the range of valid IPs and logs IP addresses with no access.

Syntax
allowuserip ($site)

Input parameters

$site ... publication name [string]

global input parameters

$mgmt_config

Output

true / false requires config.inc.php

7.5.32 valid_objectname

Description
Checks if an object name includes forbidden characters in order to prevent directory browsing.

Syntax
valid_objectname ($variable)

Input parameters

$variable ... variable [string or array]

Output

true / false

7.5.33 valid_locationname

Description
Checks if an location includes forbidden characters in order to prevent directory browsing.

Syntax
valid_locationname ($variable)

Input parameters

$variable ... variable [string or array]

Output

true / false

7.5.34 valid_publicationname

Description
Checks if a publication name includes forbidden characters in order to prevent directory browsing.
Optionally verifies if the publication name is included in the siteaccess variable.

Syntax
valid_publicationname ($variable)

Input parameters

$variable ... variable [string or array]

global input parameters

$siteaccess

Output

true / false

7.5.35 html_encode

Description
This function encodes certain characters (&, <, >, ", ') into their HTML character entity equivalents to protect against XSS.
Converts a string into the html equivalents (also used for XSS protection).
Supports multibyte character sets like UTF-8 as well based on the ASCII value of the character.

Syntax
html_encode ($expression, $encoding="", $js_protection=false)

Input parameters

$expression ... variable [string or array]

$encoding ... conversion of all special characters based on given character set or to ASCII [string] (optional)

$js_protection ... remove characters to avoid JS injection [boolean] (optional)

Output

html encoded value as array or string / false on error

7.5.36 html_decode

Description
This function decodes all characters which have been converted by html_encode.

Syntax
html_decode ($expression, $encoding="")

Input parameters

$expression ... epxression [string or array]

$encoding ... conversion of all special characters based on character set [string] (optional)

Output

html decoded value as array or string / false on error

7.5.37 scriptcode_encode

Description

This function escapes all script tags.
This function must be used to clean all user input in the CMS by removing all server side scripts tags.

Syntax
scriptcode_encode ($content)

Input parameters

$content … content [string]

global input parameters

$mgmt_config

Output

escaped content as string / false on error

7.5.38 scriptcode_extract

Description
This function extracts the script code of a given content.

Syntax
scriptcode_extract ($content, $identifier_start="<?", $identifier_end="?>")

Input parameters

$content … content [string]

$identifier_start … identifier of script begin [string]

$identifier_end … identifier of script end [string]

Output

script code as array / false on error or if noting was found

7.5.39 scriptcode_clean_functions

Description
This function removes all dangerous PHP functions.

Syntax
scriptcode_clean_functions ($content, $type=4, $application="PHP")

Input parameters

$content ... content [string]

$type ... cleaning level type: no cleaning = 0; basic set of disabled functions = 1; 1 + file access functions = 2; 2 + include functions = 3; 3 + hyperCMS API file functions = 4; No server side script allowed = 5 [0, 1, 2, 3, 4, 5] (optional)

$application ... application [PHP, ASP, JSP] (optional)

global input parameters

$mgmt_config

Output

result array / false on error

7.5.40 sql_clean_functions

Description
This function checks SQL statements for write operations.

Syntax
sql_clean_functions ($content)

Input parameters

$content ... SQL statement [string]

global input parameters

$mgmt_config

Output

result array / false on error

7.5.41 url_encode

Description
This function encodes all characters.

Syntax
url_encode ($variable)

Input parameters

$variable ... variable [string or array]

global input parameters

$mgmt_config

Output

urlencoded value as array or string / false on error

7.5.42 url_decode

Description
This function decodes all characters which have been converted by url_encode or urlencode (PHP).

Syntax
url_decode ($variable)

Input parameters

$variable ... variable [string or array]

global input parameters

$mgmt_config

Output

urldecoded value as array or string / false on error

7.5.43 shellcmd_encode

Description
This function encodes/escapes characters to secure the shell comand.

Syntax
shellcmd_encode ($variable, $type="")

Input parameters

$variable ... variable [string or array]

$type ... type [%, strict] (optional)

Output

encoded value as array or string / false on error

7.5.44 hcms_crypt

Description
Unidrectional encryption using crc32 and urlencode. Used to create tokens for simple view links in the system.
The tokens can be verified by calculating the hash of the media file name and comparing the hash values.
Don't use this function to secure any string or for password hashing.

Syntax
hcms_crypt ($string, $start=0, $length=0)

Input parameters

$string ... string to encode [string]

$start ... start position [integer]

$length ... length for string extraction [integer]

global input parameters

$mgmt_config

Output

encoded string / false on error

7.5.45 hcms_encrypt

Description
Encryption of a string. Only strong encryption is binary-safe.

Syntax
hcms_encrypt ($string, $key="", $crypt_level="", $encoding="url")

Input parameters

$string ... string to encode [string]

$key ... key of length 16 or 24 or 32 [string] (optional)

$crypt_level ... crypt strength level [weak, standard, strong] (optional)

$encoding ... encoding [base64, url, none] (optional)

global input parameters

$mgmt_config

Output

encoded string / false on error

7.5.46 hcms_decrypt

Description
Decryption of a string. Only strong encryption is binary-safe.

Syntax
hcms_decrypt ($string, $key="", $crypt_level="", $encoding="url")

Input parameters

$string ... hash-string to decode [string]

$key ... key of length 16 or 24 or 32 [string] (optional)

$crypt_level ... crypt strength level [weak, standard, strong] (optional)

$encoding ... encoding [base64, url, none] (optional)

global input parameters

$mgmt_config

Output

decoded string / false on error

7.5.47 createtimetoken

Syntax
createtimetoken ($lifetime=0, $secret=4)

Input parameters

$lifetime ... token lifetime in seconds [integer] (optional)

$secret ... secret value [integer] (optional)

global input parameters

$mgmt_config

Output

token / false on error

7.5.48 checktimetoken

Syntax
checktimetoken ($token, $secret=4)

Input parameters

$token ... token [string]

$secret ... secret value [integer] (optional)

global input parameters

$mgmt_config

Output

true / false

7.5.49 createtoken

Syntax
createtoken ($user="sys", $lifetime=0, $secret=4)

Input parameters

$user ... user name [string] (optional)

$lifetime ... token lifetime in seconds [integer] (optional)

$secret ... secret value [integer] (optional)

global input parameters

$mgmt_config

Output

token / false on error

7.5.50 checktoken

Syntax

checktoken ($token, $user="sys", $secret=4)

Input parameters

$token ... token [string]

$user ... user name [string] (optional)

$secret ... secret value [integer] (optional)

global input parameters

$mgmt_config

Output

true / false

7.5.51 createuniquetoken

Syntax
createuniquetoken ($length=16)

Input parameters

$length ... token length [integer] (optional)

global input parameters

$mgmt_config

Output

token as string / false

7.5.52 createpassword

Syntax
createpassword ($length=10)

Input parameters

$length ... password length [integer] (optional)

global input parameters

$mgmt_config

Output

password as string / false

7.5.53 rand_secure

Syntax
rand_secure ($min=1000, $max=999999999999)

Input parameters

$min ... min and max value [integer] (optional)

$max

Output

secure random number / false

7.6 Media API Functions

7.6.1 ocr_extractcontent

Description
This function extracts the text content of multimedia objects using OCR and returns the text. It is a helper function for function indexcontent.

Syntax
ocr_extractcontent ($site, $location, $file)

Input parameters

$site ... publication name [string]

$location ... path to multimedia file [string]

$file ... multimedia file name (file to be indexed) [string]

global input parameters

$mgmt_config

$mgmt_parser

$mgmt_imagepreview

$hcms_lang

$lang

Output

extracted content as text string / false

7.6.2 indexcontent

Description

This function extracts the text content of multimedia objects and writes it the text to the container.
The given charset of the publication (not set by default), container or publication (not set by default) will be used.
The default character set of default.meta.tpl is UTF-8, so all content should be saved in UTF-8.

Syntax

indexcontent ($site, $location, $file, $container="", $container_content="", $user, $return_content=false)

Input parameters

$site ... publication name [string]

$location ... path to multimedia file [string]

$file ... multimedia file name (file to be indexed) [string]

$container ... container name or ID [string] (optional)

$container_content ... container XML-content [string] (optional)

$user ... user name [string]

$return_content ... return the content without saving it in the system [boolean] (optonal)

global input parameters

$mgmt_config

$mgmt_parser

$mgmt_imagepreview

$mgmt_uncompress

$hcms_ext

$hcms_lang

$lang

Output

true / false

7.6.3 unindexcontent

Description
This function removes media objects from the container

Syntax
unindexcontent ($site, $location, $file, $container, $container_content, $user)

Input parameters

$site ... publication name [string]

$location ... file location [string]

$file ... file name [string]

$container ... multimedia file to index [string]

$container_content ... container name or ID [string]

$user ... container XML-content [string]

global input parameters

$mgmt_config

$mgmt_parser

$hcms_lang

$lang

Output

true / false

7.6.4 reindexcontent

Description
Reindexes all media files of a publication. Optionally only for specific containers.

Syntax

reindexcontent ($site, $container_id_array="")

Input parameters

$site ... publication name [string]

$container_id_array ... container IDs [array] (optional)

global input parameters

$mgmt_config

Output

true / false

7.6.5 createthumbnail_indesign

Description
Creates a thumbnail by extracting the thumbnail from an indesign file and transferes the generated image via remoteclient.
For good results, InDesign Preferences must be set to save preview image and at extra large size.

Syntax
createthumbnail_indesign ($site, $location_source, $location_dest, $file)

Input parameters

$site ... publication name [string]

$location_source ... path to source dir [string]

$location_dest ... path to destination dir [string]

$file ... file name [string]

global input parameters

$mgmt_config

$user

Output

new file name / false on error (saves only thumbnail media file in destination location

only jpeg format is supported as output)

7.6.6 createthumbnail_video

Description
Creates a thumbnail picture of a video frame. Saves only the thumbnail media file in destination location. Only jpeg format is supported as output.

Syntax
createthumbnail_video ($site, $location_source, $location_dest, $file, $frame, $autorotate=false)

Input parameters

$site ... publication name [string]

$location_source ... path to source dir [string]

$location_dest ... path to destination dir [string]

$file ... file name [string]

$frame ... frame of video in seconds or hh:mm:ss[.xxx]

$autorotate ... autorotate [boolean] (optional)

global input parameters

$mgmt_config

$mgmt_mediapreview

$mgmt_mediaoptions

$user

Output

new file name / false on error

7.6.7 createimages_video

Description
Creates and saves images of video screen size from a video to a directory.

Syntax
createimages_video ($site, $location_source, $location_dest, $file, $name="", $fs=1, $format="jpg", $autorotate=false, $width="", $height="")

Input parameters

$site ... publication name [string]

$location_source ... path to source dir [string]

$location_dest ... path to destination dir [string]

$file ... file name [string]

$name ... name for image files [string] (optional)

$fs ... frames per second to create from the video [number] (optional)

$format ... image format [jpg, png, bmp] (optional)

$autorotate ... autorotate [boolean] (optional)

$width ... image width in pixel [integer] (optional)

$height ... image height in pixel [integer] (optional)

global input parameters

$mgmt_config

$mgmt_mediapreview

$mgmt_mediaoptions

$user

Output

true / false on error

7.6.8 createmedia

Description
Creates an new image or video from the original file or creates a thumbnail and transferes the generated image via remoteclient.
Saves original or thumbnail media file in destination location, for thumbnail only jpeg format is supported as output.

Syntax
createmedia ($site, $location_source, $location_dest, $file, $format="", $type="thumbnail", $force_no_encrypt=false)

Input parameters

$site ... publication name [string]

$location_source ... path to source dir [string]

$location_dest ... path to destination dir [string]

$file ... file name [string]

$format ... format (file extension w/o dot) [string] (optional)

$type ... type of image/video/audio file [thumbnail(for thumbnails of images), origthumb(thumbnail made from original video/audio), original(to overwrite original video/audio file), annotation(for annotation images), any other string present in $mgmt_imageoptions/$mgmt_mediaoptions, temp(for temporary files)] (optional)

$force_no_encrypt ... force the file to be not encrypted even if the content of the publication must be encrypted [boolean] (optional)

global input parameters

$mgmt_config

$mgmt_imagepreview

$mgmt_mediapreview

$mgmt_mediaoptions

$mgmt_imageoptions

$mgmt_maxsizepreview

$mgmt_mediametadata

$hcms_ext

$user

Output

new file name / false on error

7.6.9 splitmedia

Description
Splits a video or audio file in segments measured in seconds. Used for synchronous Google Cloud Speech Service that only supports max. 1 minute audio files.

Syntax
splitmedia ($site, $location_source, $location_dest, $file, $sec=60, $format="", $force_no_encrypt=false)

Input parameters

$site ... publication name [string]

$location_source ... path to source dir [string]

$location_dest ... path to destination dir [string]

$file ... file name [string]

$sec ... seconds of a segment [integer] (optional)

$format ... target format (file extension w/o dot) of destination file [string] (optional)

$force_no_encrypt ... force the file to be not encrypted even if the content of the publication must be encrypted [boolean] (optional)

global input parameters

$mgmt_config

$mgmt_imagepreview

$mgmt_mediapreview

$mgmt_mediaoptions

$mgmt_imageoptions

$mgmt_maxsizepreview

$mgmt_mediametadata

$hcms_ext

$user

Output

array of new file names / false on error

7.6.10 convertmedia

Description
Converts and creates a new image/video/audio or document from original. This is a wrapper function for createmedia, createimages_video and createdocument.

Syntax
convertmedia ($site, $location_source, $location_dest, $mediafile, $format, $media_config="", $force_no_encrypt=false)

Input parameters

$site ... publication name [string]

$location_source ... path to source dir [string]

$location_dest ... path to destination dir [string]

$mediafile ... file name [string]

$format ... target format (file extension w/o dot) of destination file [string]

$media_config ... media configuration to be used [string] (optional)

$force_no_encrypt ... force the file to be not encrypted even if the content of the publication must be encrypted [boolean] (optional)

global input parameters

$mgmt_config

$mgmt_imagepreview

$mgmt_mediapreview

$mgmt_mediaoptions

$mgmt_imageoptions

$mgmt_maxsizepreview

$mgmt_mediametadata

$mgmt_compress

$hcms_ext

Output

new file name / false on error

7.6.11 convertimage

Description
Converts and creates a new image from original. The new image keeps will be resized and cropped to fit width and height.
This is a wrapper function for createmedia.

Syntax
convertimage ($site, $file_source, $location_dest, $format="jpg", $colorspace="RGB", $iccprofile="", $width="", $height="", $slug=0, $units="px", $dpi=72, $quality="")

Input parameters

$site ... publication name [string]

$file_source ... path to source image file [string]

$location_dest ... path to destination dir [string]

$format ... format (file extension w/o dot) of destination file [string] (optional)

$colorspace ... colorspace of new image [CMY, CMYK, Gray, HCL, HCLp, HSB, HSI, HSL, HSV, HWB, Lab, LCHab, LCHuv, LMS, Log, Luv, OHTA, Rec601YCbCr, Rec709YCbCr, RGB, scRGB, sRGB, Transparent, XYZ, YCbCr, YCC, YDbDr, YIQ, YPbPr, YUV] (optional)

$iccprofile ... width in pixel/mm/inch [integer] (optional)

$width ... height in pixel/mm/inch [integer] (optional)

$height ... slug in pixel/mm/inch [integer] (optional)

$slug ... units for width [string]

$units ... height and slug [px, mm, inch] (optional)

$dpi ... dpi [integer] (optional)

$quality ... image quality [1 to 100]

global input parameters

$mgmt_config

$mgmt_imagepreview

$mgmt_mediapreview

$mgmt_mediaoptions

$mgmt_imageoptions

$mgmt_maxsizepreview

$mgmt_mediametadata

$hcms_ext

$user

Output

new file name / false on error

7.6.12 rotateimage

Description

Rotates an image (must be jpg, png or gif) using GD library. not used if ImageMagick is available

Syntax

rotateimage ($site, $filepath, $angle, $imageformat)

Input parameters

$site ... publication name [string]

$filepath ... path to source media file [string]

$angle ... rotation angle [integer]

$imageformat ... destination image format [jpg, png, gif]

global input parameters

$mgmt_config

$user

Output

new image file name / false on error

7.6.13 hex2rgb

Syntax
hex2rgb ($hex)

Input parameters

$hex ... image color as hex-code [string]

Output

RGB-color as array / false on error

7.6.14 rgb2hex

Syntax
rgb2hex ($red, $green, $blue)

Input parameters

$red ... image color in RGB [string]

$green

$blue

Output

hex-color as string / false on error

7.6.15 readmediaplayer_config

Syntax
readmediaplayer_config ($location, $configfile)

Input parameters

$location ... path to media config file [string]

$configfile ... config file name [string]

global input parameters

$mgmt_config

$user

Output

config array / false on error

7.6.16 savemediaplayer_config

Syntax
savemediaplayer_config ($location, $configfile, $mediafiles, $width=320, $height=240, $rotation="", $filesize="", $duration="", $videobitrate="", $audiobitrate="", $audiofrequenzy="", $audiochannels="", $video_codec="", $audio_codec="")

Input parameters

$location ... path to media config file [string]

$configfile ... media config file name [string]

$mediafiles ... media file name [array or string]

$width ... width in px [integer] (optional)

$height ... height in px [integer] (optional)

$rotation ... rotation in degree [integer] (optional)

$filesize ... file size in kB [integer] (optional)

$duration ... duration [hh:mmm:ss] (optional)

$videobitrate ... video bitrate in kb/s [string] (optional)

$audiobitrate ... audio bitrate in kb/s [string] (optional)

$audiofrequenzy ... audio frequenzy in Hz [string] (optional)

$audiochannels ... audio channels [mono, stereo] (optional)

$video_codec ... video codec name [string] (optional)

$audio_codec ... audio codec name [string] (optional)

global input parameters

$mgmt_config

$user

Output

true / false on error

7.6.17 createdocument

Description
Creates a new multimedia file of given format at source destination using UNOCONV and saves it as a thumbnail file in the destination location

Syntax
createdocument ($site, $location_source, $location_dest, $file, $format="", $force_no_encrypt=false)

Input parameters

$site ... publication name [string]

$location_source ... path to source location [string]

$location_dest ... path to destination location [string]

$file ... file name [string]

$format ... destination file format (extension w/o dot) [string]

$force_no_encrypt ... force the file to be not encrypted even if the content of the publication must be encrypted [boolean] (optional)

global input parameters

$mgmt_config

$mgmt_docpreview

$mgmt_docoptions

$mgmt_docconvert

$mgmt_maxsizepreview

$hcms_ext

$hcms_lang

$lang

$user

Output

new file name / false on error

7.6.18 unzipfile

Description
Unpacks ZIP file and creates media files in destination location for components or unzips files directly for pages (not recommended due to securoty risks by uplaoding unsecured files).

Syntax
unzipfile ($site, $zipfilepath, $location, $filename, $cat="comp", $user)

Input parameters

$site ... publication name [string]

$zipfilepath ... path to source zip file [string]

$location ... path to destination location [string]

$filename ... category [page, comp]

$cat ... name of file for extraction [string]

$user ... user name [string]

global input parameters

$mgmt_config

$mgmt_uncompress

$mgmt_imagepreview

$mgmt_mediapreview

$mgmt_mediaoptions

Output

result array with all object paths / false

7.6.19 clonefolder

Description
Help function for function zipfiles that reads all multimedia files from their multimedia objects and copies them to the same folder structure using the object names.

Syntax
clonefolder ($site, $source, $destination, $user, $activity="")

Input parameters

$site ... publication name [string]

$source ... source location [string]

$destination ... destination location [string]

$user ... user name [string]

$activity ... activity that need to be set for daily stats [download] (optional)

global input parameters

$mgmt_config

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$globalpermission

$setlocalpermission

Output

container IDs as array / false

7.6.20 zipfiles_helper

Description
Compresses all files and includes their folder structure in a ZIP file. This function does not support multimedia objects and is only a helper function for native file system operations.

Syntax
zipfiles_helper ($source, $destination, $zipfilename, $remove=false)

Input parameters

$source ... source directory [string]

$destination ... destination directory [string]

$zipfilename ... name of ZIP-file [string]

$remove ... remouse all files from source [boolean] (optional)

global input parameters

$mgmt_config

$mgmt_compress

Output

true/false

7.6.21 zipfiles

Description
Compresses all media files and includes their folder structure in a ZIP file.

Syntax
zipfiles ($site, $multiobject_array, $destination="", $zipfilename, $user, $activity="", $flatzip=false)

Input parameters

$site ... publication name [string]

$multiobject_array ... array with path to source files [array]

$destination ... destination location (if this is null then the $location where the zip-file resists will be used) [string]

$zipfilename ... name of ZIP-file [string]

$user ... user name [string]

$activity ... activity that need to be set for daily stats [download] (optional)

$flatzip ... flat hierarchy means no directories [boolean] (optional)

global input parameters

$mgmt_config

$mgmt_compress

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$globalpermission

$setlocalpermission

$hcms_lang

$lang

Output

true/false

7.6.22 px2mm

Description

Convert mm to pixel

Syntax

px2mm ($pixel, $dpi=72)

Input parameters

$pixel ... pixel [integer]

$dpi ... dpi [integer] (optional)

Output

pixel / false

7.6.23 px2inch

Description
Convert pixel to inches

Syntax
px2inch ($pixel, $dpi=72)

Input parameters

$pixel ... pixel [integer]

$dpi ... dpi [integer] (optional)

Output

inch / false

7.6.24 inch2px

Description
Convert inches to pixel

Syntax
inch2px ($inch, $dpi=72)

Input parameters

$inch ... pixel [integer]

$dpi ... dpi [integer] (optional)

Output

pixel / false

7.6.25 sec2time

Description
Convert seconds to time format hh:mm:ss.mmm

Syntax
sec2time ($input)

Input parameters

$input ... time in seconds [float]

Output

time in hh:mm:ss.mmm / false

7.6.26 mediasize2frame

Description
Calculates the width and height of a media to fit into a given frame size.

Syntax
mediasize2frame ($mediawidth, $mediaheight, $framewidth="", $frameheight="", $keepmaxsize=true)

Input parameters

$mediawidth ... media width [integer]

$mediaheight ... media height [integer]

$framewidth ... frame width [integer] (optional)

$frameheight ... frame height [integer] (optional)

$keepmaxsize ... keep maximum media size based on original dimensions of media without stretching [boolean] (optional)

Output

width and height as array / false

7.6.27 vtt2array

Description
Converts VTT string to array

Syntax
vtt2array ($vtt)

Input parameters

$vtt ... video text track [string]

Output

array / false

7.7 Metadata API Functions

7.7.1 importmetadata

Description
Imports metadata form CSV file for various assets linked by name or conatiner ID. Empty rows or rows without a delimiter will be ignored.
In order to identify an asset the file name as "Name" or the container ID as "containerID" must be provided in the first row before the content rows.

Syntax
importmetadata ($site, $location, $file, $user, $type="", $delimiter=";", $enclosure='"', $charset="utf-8")

Input parameters

$site ... publication name [string]

$location ... location [string]

$file ... path to CSV file [string]

$user ... user name [string]

$type ... type array or string [u, f, l, c, d, k] (optional)

$delimiter ... delimiter [string] (optional)

$enclosure ... enclosure [string] (optional)

$charset ... character set [string] (optional)

global input parameters

$mgmt_config

$eventsystem

Output

true / false

7.7.2 loadtaxonomy

Description
Generates an array from a taxonomy definition file located in data/include/ to be used for presentation or CSV export.

Syntax
loadtaxonomy ($site, $start=1, $perpage=100000)

Input parameters

$site ... publication name [string]

$start ... return rows starting with row number [integer] (optional)

$perpage ... return number of rows [integer] (optional)

global input parameters

$mgmt_config

Output

true / false

7.7.3 savetaxonomy

Description

Generates an array from a taxonomy definition file located in data/include/ to be used for presentation or CSV export.

Syntax

savetaxonomy ($site, $taxonomy, $saveindex_start, $saveindex_stop)

Input parameters

$site ... publication name [string]

$taxonomy ... taxonomy with rows and languages as keys [array]

$saveindex_start ... replace rows starting with row number [integer]

$saveindex_stop ... replace rows ending with row number [integer]

global input parameters

$mgmt_config

Output

true / false

7.7.4 createtaxonomy

Description

Generates an array from a taxonomy defintion file (CSV) and saves the PHP file in data/include/publication-name.taxonomy.inc.php.
Recreates the taxonomy for all objects if the taxonomy defintion has been uodated.

Syntax
createtaxonomy ($site_name="", $recreate=false)

Input parameters

$site_name ... publication name [string] (optional)

$recreate ... recreate taxonomy file [boolean] (optional)

global input parameters

$mgmt_config

Output

true / false

7.7.5 splitkeywords

Description
Generates a keyword list from a text by splitting and transforming the comma separated string.

Syntax
splitkeywords ($keywords, $charset="UTF-8")

Input parameters

$keywords ... comma seperated keywords [string]

$charset ... character set [string] (optional)

Output

keywords as array / false on error

7.7.6 copymetadata

Description
Copies all meta data from source to destination file using EXIFTOOL

Syntax
copymetadata ($file_source, $file_dest)

Input parameters

$file_source ... path to source file [string]

$file_dest ... path to destination file [string]

global input parameters

$mgmt_config

$mgmt_mediametadata

$user

Output

true / false

7.7.7 extractmetadata

Description
Extracts all meta data from a file using EXIFTOOL

Syntax
extractmetadata ($file)

Input parameters

$file ... path to image file [string]

global input parameters

$user

$mgmt_config

$mgmt_mediametadata

Output

result array / false on error

7.7.8 xmlobject2array

Description
Converts an xmlobject to an array, provided by xaviered at gmail dot com

Syntax
xmlobject2array ($obj, $namespace="")

Input parameters

$obj ... XML [object]

$namespace ... namespace [array] (optional)

Output

result array / false

7.7.9 id3_getdata

Description
Requires getID3 library since EXIFTOOL cannot write ID3 tags so far

Syntax
id3_getdata ($file)

Input parameters

$file ... path to audio file [string]

global input parameters

$mgmt_config

$hcms_ext

Output

result array / false on error

7.7.10 id3_writefile

Description
Writes ID3 tags into audio file for supported file types and keeps the existing ID3 tags

Syntax
id3_writefile ($file, $id3, $keep_data=true, $movetempfile=true)

Input parameters

$file ... abs. path to audio file [string]

$id3 ... ID3 tag [array]

$keep_data ... keep existing ID3 data of file [boolean] (optional)

$movetempfile ... move tempoarary file from unecrypted to encrypted [boolean] (optional)

global input parameters

$user

$mgmt_config

$mgmt_mediametadata

$hcms_ext

Output

true / false on error

7.7.11 id3_create

Description
Defines ID3 tag array based on the media mapping of a publication.

Syntax
id3_create ($site, $text)

Input parameters

$site ... publication name [string]

$text ... text from content container [array]

global input parameters

$mgmt_config

Output

ID3 tag array / false on error

7.7.12 xmp_getdata

Syntax
xmp_getdata ($file)

Input parameters

$file ... path to image file [string]

global input parameters

$user

$mgmt_config

$hcms_ext

Output

result array / false on error

7.7.13 xmp_writefile

Description
Writes XMP tags into image file for supported file types and keeps the existing XMP tags

Syntax
xmp_writefile ($file, $xmp, $keep_data=true, $movetempfile=true)

Input parameters

$file ... abs. path to image file [string]

$xmp ... XMP tag [array]

$keep_data ... keep existing XMP data of file [boolean] (optional)

$movetempfile ... move tempoarary file from unecrypted to encrypted [boolean] (optional)

global input parameters

$user

$mgmt_config

$mgmt_mediametadata

$hcms_ext

Output

true / false on error

7.7.14 xmp_create

Description
Defines XMP tag array based on the media mapping of a publication

Syntax
xmp_create ($site, $text)

Input parameters

$site ... publication name [string]

$text ... text from content container [array]

global input parameters

$mgmt_config

Output

XMP tag array / false on error

7.7.15 geo2decimal

Syntax
geo2decimal ($coordinate, $hemisphere)

Input parameters

$coordinate ... GPS location [degrees, minutes, seconds]

$hemisphere ... hemisphere [N, O, S, W]

Output

decimal result / false

7.7.16 exif_getdata

Syntax
exif_getdata ($file)

Input parameters

$file ... path to image file [string]

global input parameters

$user

$mgmt_config

$hcms_ext

Output

result array / false

7.7.17 iptc_getdata

Syntax
iptc_getdata ($file)

Input parameters

$file ... path to image file [string]

global input parameters

$user

$mgmt_config

$hcms_ext

Output

result array / false

7.7.18 iptc_getcharset

Description
Copied from MediaWiki!
Warning, this function does not (and is not intended to) detect all iso 2022 escape codes.
In practise, the code for utf-8 is the only code that seems to have wide use. It does detect that code.
According to iim standard, charset is defined by the tag 1:90.
in which there are iso 2022 escape sequences to specify the character set.
the iim standard seems to encourage that all necessary escape sequences are
in the 1:90 tag, but says it doesn't have to be.
This is in need of more testing probably. This is definitely not complete.
however reading the docs of some other iptc software, it appears that most iptc software only recognizes utf-8. If 1:90 tag is not present content is
usually ascii or iso-8859-1 (and sometimes utf-8), but no guarantee.
This also won't work if there are more than one escape sequence in the 1:90 tag
or if something is put in the G2, or G3 charsets, etc. It will only reliably recognize utf-8.
This is just going through the charsets mentioned in appendix C of the iim standard.

Syntax
iptc_getcharset ($tag)

Input parameters

$tag ... iptc tag that holds character set information [string]

Output

character set as string / false on error

7.7.19 iptc_maketag

Description
Convert the IPTC tag to binary code

Syntax
iptc_maketag ($record=2, $tag, $value)

Input parameters

$record ... type of tag (e.g. 2) [integer]

$tag ... code of tag (e.g. 025) [string]

$value ... value of tag [string]

Output

binary IPTC tag / false on error

7.7.20 iptc_writefile

Description
Writes IPTC tags into image file for supported file types and keeps the existing IPTC tags

Syntax
iptc_writefile ($file, $iptc, $keep_data=true, $movetempfile=true)

Input parameters

$file ... abs. path to image file [string]

$iptc ... IPTC tag [array]

$keep_data ... keep existing IPTC data of file [boolean] (optional)

$movetempfile ... move tempoarary file from unecrypted to encrypted [boolean] (optional)

global input parameters

$user

$mgmt_config

$mgmt_mediametadata

Output

true / false on error

7.7.21 iptc_create

Description
Defines IPTC tag array based on the media mapping of a publication

Syntax
iptc_create ($site, $text)

Input parameters

$site ... publication name [string]

$text ... text from content container [array]

global input parameters

$mgmt_config

Output

IPTC tag array / false on error

7.7.22 createmapping

Description
Prepares the PHP mapping array from the provided mapping definition and saves media mapping file

Syntax
createmapping ($site, $mapping)

Input parameters

$site ... publication name [string]

$mapping ... mapping definition [string]

global input parameters

$mgmt_config

Output

true / false on error

7.7.23 getmapping

Description
Load the mapping file of the provided publication.

Syntax
getmapping ($site)

Input parameters

$site ... publication name [string]

global input parameters

$mgmt_config

Output

mapping code for display / false

7.7.24 metadata_exists

Description
Verifies if the content of a specific text ID that triggers a Cloud API call exists already.
This function is used to reduce/trigger Cloud API calls in case the content exists already and the media file does not need to be analyzed by a cloud service.

Syntax
metadata_exists ($mapping, $text_array)

Input parameters

$mapping ... mapping [array:metadata-tag-name => text-id]

$text_array ... text [array:metadata-text-id => content]

Output

true / false

7.7.25 setmetadata

Description
Saves meta data of a multimedia file using a provided mapping in the proper fields of the content container.
If no mapping is given a default mapping will be used.

Syntax
setmetadata ($site, $location="", $object="", $mediafile="", $mapping="", $containerdata="", $user, $savecontainer=true)

Input parameters

$site ... publication name [string]

$location ... location path [string] (optional)

$object ... object name [string] (optional)

$mediafile ... media file name [string] (optional)

$mapping ... mapping [array:metadata-tag-name => text-id] (optional)

$containerdata ... container content as XML [string] (optional)

$user ... user name [string]

$savecontainer ... save content container [boolean] (optional)

global input parameters

$eventsystem

$mgmt_config

$hcms_ext

Output

container content as XML string / false

7.8 Link API Functions

7.8.1 link_db_restore

Description
This function restores a given or all link management index files

Syntax

link_db_restore ($site="")

Input parameters

$site ... publication name [string] (optional)

global input parameters

$mgmt_config

Output

true / false on error

7.8.2 link_db_load

Description

This function loads and locks the link management database
each record of the link management database has the following design:
xml-content container :| absolute path to 1-n objects :| 1-m links used by 1-n objects
important: the link management database has to saved or closed after loading it.

Syntax

link_db_load ($site, $user)

Input parameters

$site ... publication name [string]

$user ... user name [string]

global input parameters

$mgmt_config

Output

link database [2 dim. array] or true / false on error

7.8.3 link_db_read

Description

This function loads the link management database for reading without locking

Syntax

link_db_read ($site)

Input parameters

$site ... publication name [string]

global input parameters

$mgmt_config

Output

link database [2 dim. array] or true / false on error

7.8.4 link_db_close

Description
closes and unlocks the link management database.

Syntax
link_db_close ($site, $user)

Input parameters

$site ... publication name [string]

$user ... user name [string]

global input parameters

$mgmt_config

Output

true/false

7.8.5 link_db_save

Description
This function saves und unlocks the link management database

Syntax
link_db_save ($site, $link_db, $user)

Input parameters

$site ... link database [array]

$link_db ... publication name [string]

$user ... user name [string]

global input parameters

$mgmt_config

Output

true/false on error

7.8.6 link_db_update

Description
This function inserts, updates and removes objects and their links from the link management database (add or update a link)
depending on which link is left empty:
link_curr = "": add new link (just one link matching given category)
link_new = "": delete current link in use (just one link matching given category)
link_curr & link_new are not empty and not equal: update current link with the new one

Syntax
link_db_update ($site, $link_db, $attribute, $contentfile="", $cat="", $link_curr="", $link_new="", $option)

Input parameters

$site ... publication name [string]

$link_db ... link database [2 dim. array]

$attribute ... attribute [object, link]

$contentfile ... content container [string] (optional)

$cat ... link category [comp, page] (optional)

$link_curr ... current link must be an URL or absolute/relative path [string] (optional)

$link_new ... new link must be an URL or absolute/relative path [string] (optional)

$option ... update option [all, unique]

global input parameters

$mgmt_config

Output

link database [array] or true if link index database is not used / false on error

7.8.7 link_db_insert

Description
This function inserts a new record in the link management database optionally the created object can be also inserted

Syntax
link_db_insert ($site, $link_db, $contentfile, $cat, $object="")

Input parameters

$site ... publication name [string]

$link_db ... link database [2 dim. array]

$contentfile ... content container name [string]

$cat ... link category [comp, page]

$object ... object name (optional)

global input parameters

$mgmt_config

Output

link database [2 dim. array] or true / false

7.8.8 link_db_delete

Description
This function deletes a record in the link management database

Syntax
link_db_delete ($site, $link_db, $contentfile)

Input parameters

$site ... link database [2 dim. array]

$link_db ... content container name [string]

$contentfile

global input parameters

$mgmt_config

Output

link database [2 dim. array] or true / false on error

7.8.9 link_db_getobject

Description
This function splits the object string into an array of objects.

Syntax
link_db_getobject ($multiobject)

Input parameters

$multiobject ... link database attribut (references to objects seperated by |) [string]

global input parameters

$mgmt_config

Output

objects [array] / false on error

7.8.10 link_update

Description
This function updates the link of the published and working content container and link file

Syntax
link_update ($site, $container, $link_old, $link_new)

Input parameters

$site ... publication name [string]

$container ... container name [string]

$link_old ... old link (converted) [string]

$link_new ... new link (converted) [string]

global input parameters

$user

$mgmt_config

Output

true/false

7.8.11 getlinkedobject

Description
This function gets all objects which link to the given object.
works with pages (page links) and components (component links) if link management is enabled.

Syntax
getlinkedobject ($site, $location, $page, $cat)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object (name and extension) [string]

$cat ... category [page, comp] (optional)

global input parameters

$mgmt_config

Output

objects which link to the given object [array] or true / false

7.8.12 getconnectedobject

Description
This function gets all objects which use the same content container and are therefore connected.

Syntax
getconnectedobject ($container, $type="work")

Input parameters

$container ... container name [string]

$type ... container type [work, published, version] (optional)

global input parameters

$mgmt_config

$user

Output

connected objects[array]

7.8.13 extractlinks

Description
This function extracts all links based on it's identifier from a text and returns an array of all links

Syntax
extractlinks ($textcontent, $identifier)

Input parameters

$textcontent ... text content [string]

$identifier ... link identifiert ["href" for hyperreferences, "src" for image references or embed references (flash), "value" for paramter (flash)]

global input parameters

$mgmt_config

Output

object links [array] / false on error

7.9 Plugin API Functions

7.9.1 plugin_getdefaultconf

Syntax
plugin_getdefaultconf ()

Input parameters

Output

default value as array

7.9.2 plugin_readmenu

Description

Reads Menupoints and menugroups from the xml data.
Be carefull with nesting, function getcontent is used and you can't nest groups inside of groups as a subpoint!
Input parameter $pluginFolder contains the directory of the plugin.
Returns an Array containing every group and menupoint with its configuration.

Syntax
plugin_readmenu ($xml, $pluginFolder)

Input parameters

$xml ... plugin xml [string]

$pluginFolder ... plugin directory [string]

global input parameters

$mgmt_config

Output

menu point array used by navigator

7.9.3 plugin_parse

Description
Reads the plugin configurations from the file system.
Checks the folder defined in mgmt_config and searched for plugins and their configurations files.
It either takes needed values from the configuration, from the $oldData or defaultConfiguration.

Syntax
plugin_parse ($oldData=array())

Input parameters

$oldData ... mgmt_plugin [array] (optional)

global input parameters

$mgmt_config

Output

mgmt_plugin as array

7.9.4 plugin_generatedefinition

Description
Generates the Array definition used in php for $array with the name of $arrayName.
Run recursively through the array and supports boolean, numeric and string types for the key and value.

Syntax
plugin_generatedefinition ($arrayName, $array)

Input parameters

$arrayName ... name of array holding the plugin definitions [string]

$array ... configuration containing the values and keys [array]

global input parameters

$mgmt_config

Output

plugin array / false on error

7.9.5 plugin_saveconfig

Description
Saves the plugin configuration $configuration into the configuration file.
The configuration file is located in the data/config directory and is named plugin.conf.php.

Syntax
plugin_saveconfig ($configuration)

Input parameters

$configuration ... configuration [array]

global input parameters

$mgmt_config

Output

true / false on error

7.9.6 plugin_generatelink

Description

Generates a link to be used when linking to other pages inside of a plugin

Syntax
plugin_generatelink ($plugin, $page, $control=false, $additionalGetParameters=false)

Input parameters

$plugin ... plugin name [string]

$page ... plugin page (relative reference to the plugins main page) [string]

$control ... control (relative reference to the plugins control page) [string]

$additionalGetParameters ... additional GET parameters [string]

global input parameters

$mgmt_config

Output

plugin link

7.10 User Interface API Functions

7.10.1 windowwidth

Description
Returns the width of the object window when editing/opening an object

Syntax
windowwidth ($type="object")

Input parameters

$type ... type [string] (optional)

global input parameters

$mgmt_config

Output

window width in pixels

7.10.2 windowheight

Description
Returns the height of the object window when editing/opening an object

Syntax
windowheight ($type="object")

Input parameters

$type ... type [string] (optional)

global input parameters

$mgmt_config

Output

window height in pixels

7.10.3 toggleview

Description
Set explorer objectlist view parameter

Syntax
toggleview ($view)

Input parameters

$view ... view [detail, small, medium, large]

global input parameters

$mgmt_config

Output

true / false

7.10.4 togglesidebar

Description
Enables or disables the sidebar

Syntax
togglesidebar ($view)

Input parameters

$view ... view [boolean]

global input parameters

$mgmt_config

Output

true / false

7.10.5 setfilter

Description
Set filter settings for object view in session

Syntax
setfilter ($filter_set)

Input parameters

$filter_set ... set of filters as array with keys [comp, image, document, video, audio] and value [0, 1]

global input parameters

$mgmt_config

Output

true / false

7.10.6 objectfilter

Description
If an object name is passing the filter-test. One or more filters need to be set in the session "hcms_objectfilter".

Syntax
objectfilter ($file)

Input parameters

$file ... file name [string]

global input parameters

$mgmt_config

$hcms_ext

Output

true / false

7.10.7 showdate

Description
Prepares the date and time for the display in the users time zone and format.

Syntax
showdate ($date, $sourceformat="Y-m-d H:i", $targetformat="Y-m-d H:i", $timezone=true)

Input parameters

$date ... date and time [string

$sourceformat ... date input format [string]

$targetformat ... date output format [string]

$timezone ... correct time zone [boolean] (optional)

global input parameters

$mgmt_config

Output

date and time

7.10.8 showshorttext

Description
Reduce the length of a string and add "..." at the end

Syntax
showshorttext ($text, $length=0, $linebreak=false, $charset="UTF-8")

Input parameters

$text ... text [string]

$length ... max. length of text (minus length starting from the end) [integer] (optional)

$linebreak ... line break instead of cut [boolean] only if length is positive (optional)

$charset ... character set for encoding [string] (optional)

Output

shortened text if possible

or orignal text

7.10.9 showtopbar

Description
Returns the standard top bar with or without close button

Syntax
showtopbar ($show, $lang="en", $close_link="", $close_target="", $individual_button="", $id="bar")

Input parameters

$show ... message [string]

$lang ... language code [string] (optional)

$close_link ... close button link [string] (optional)

$close_target ... link target [string] (optional)

$individual_button ... individual button [string] (optional)

$id ... ID of div-layer [string] (optional)

global input parameters

$mgmt_config

$hcms_charset

$hcms_lang

Output

top bar box / false on error

7.10.10 showtopmenubar

Description
Returns the menu top bar with or without close button

Syntax
showtopmenubar ($show, $menu_array, $lang="en", $close_link="", $close_target="", $id="bar")

Input parameters

$show ... message [string]

$menu_array ... menu [array:name => properties/events]

$lang ... language code [string] (optional)

$close_link ... close button link [string] (optional)

$close_target ... link target [string] (optional)

$id ... ID of div-layer [string] (optional)

global input parameters

$mgmt_config

$hcms_charset

$hcms_lang

Output

top bar box / false on error

7.10.11 showhomeboxes

Description
Returns the file path to the home boxes

Syntax
showhomeboxes ($homebox_array)

Input parameters

$homebox_array ... home box names [array:file name => readable name]

global input parameters

$mgmt_config

Output

path to home boxes as array / false on error

7.10.12 showmessage

Description
Returns the standard message box with close button

Syntax
showmessage ($show, $width="580px", $height="70px", $lang="en", $style="", $id="hcms_messageLayer")

Input parameters

$show ... message [string]

$width ... width in pixel [integer] (optional)

$height ... height in pixel [integer] (optional)

$lang ... language code [string] (optional)

$style ... additional style definitions of div-layer [string] (optional)

$id ... ID of div-layer [string] (optional)

global input parameters

$mgmt_config

$hcms_charset

$hcms_lang

Output

message box / false on error

7.10.13 showinfopage

Description
Returns a full html info page

Syntax
showinfopage ($show, $lang="en", $onload="")

Input parameters

$show ... message [string]

$lang ... language code [string] (optional)

$onload ... on load JS events [string] (optional)

global input parameters

$mgmt_config

$hcms_charset

$hcms_lang_codepage

$hcms_lang

Output

message on html info page / false on error

7.10.14 showinfobox

Description
Returns the infobox as long as it has not been closed. Saves the close event in localstorage of browser.

Syntax
showinfobox ($show, $lang="en", $style="", $id="hcms_infoboxLayer")

Input parameters

$show ... message [string]

$lang ... language code [string] (optional)

$style ... additional style definitions of div-layer [string] (optional)

$id ... ID of div-layer [string] (optional)

global input parameters

$mgmt_config

$hcms_charset

$hcms_lang_codepage

$hcms_lang

Output

message in div layer / false on error

7.10.15 showsharelinks

Description
Returns the presenation of share links of social media platforms

Syntax
showsharelinks ($link, $mediafile, $lang="en", $style="", $id="hcms_shareLayer")

Input parameters

$link ... link to share [string]

$mediafile ... media file name [string]

$lang ... language code [string] (optional)

$style ... additional style definitions of div-layer [string] (optional)

$id ... ID of div-layer [string] (optional)

global input parameters

$mgmt_config

$hcms_charset

$hcms_lang_codepage

$hcms_lang

Output

message in div layer / false on error

7.10.16 showmetadata

Syntax
showmetadata ($data, $lang="en", $class_headline="hcmsRowData2")

Input parameters

$data ... metadata [array]

$lang ... 2 digits language code [string]

$class_headline ... CSS-class with background-color for headlines [string] (optional)

global input parameters

$mgmt_config

$hcms_charset

$hcms_lang_codepage

$hcms_lang

Output

result as HTML unordered list / false on error

7.10.17 showobject

Syntax
showobject ($site, $location, $page, $cat="", $name="")

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$cat ... category [page, comp] (optional)

$name ... object name [string] (optional)

global input parameters

$mgmt_config

$hcms_charset

$hcms_lang

$hcms_lang_date

$lang

$user

Output

html presentation / false

7.10.18 showmedia

Description
This function requires site, location and cat to be set as global variable in order to validate the access permission of the user

Syntax
showmedia ($mediafile, $medianame, $viewtype, $id="", $width="", $height="", $class="hcmsImageItem")

Input parameters

$mediafile ... mediafile (publication/filename) [string]

$medianame ... name of mediafile for display [string]

$viewtype ... view type [template, media_only, preview, preview_download, preview_no_rendering]

$id ... ID of the HTML media tag [string]

$width ... width in px [integer] (optional)

$height ... height in px [integer] (optional)

$class ... CSS class [string] (optional)

global input parameters

$site

$mgmt_config

$mgmt_mediapreview

$mgmt_mediaoptions

$mgmt_imagepreview

$mgmt_docpreview

$mgmt_docoptions

$mgmt_docconvert

$mgmt_maxsizepreview

$hcms_charset

$hcms_lang_codepage

$hcms_lang_date

$hcms_lang

$lang

$site

$location

$cat

$page

$user

$pageaccess

$compaccess

$downloadformats

$hiddenfolder

$hcms_linking

$setlocalpermission

$mgmt_imageoptions

$is_mobile

$is_iphone

Output

html presentation of any media asset / false

7.10.19 showcompexplorer

Description
Creates component explorer including the search form

Syntax
showcompexplorer ($site, $dir, $location_esc="", $page="", $compcat="multi", $search_expression="", $search_format="", $mediatype="", $lang="en", $callback="", $scalingfactor="1", $view="list", $thumbsize=100)

Input parameters

$site ... publication name [string]

$dir ... current explorer location [string]

$location_esc ... object location [string] (optional)

$page ... object name [string] (optional)

$compcat ... component category [single, multi, media] (optional)

$search_expression ... search expression [string] (optional)

$search_format ... search format [object, document, image, video, audio, watermark] (optional)

$mediatype ... media-type [audio, video, text, flash, image, compressed, binary] (optional)

$lang ... view tpye [list, gallery] (optional)

$callback ... thumbnail size in pixel [integer] callback of CKEditor [string] (optional)

$scalingfactor ... saclingfactor for images [integer] (optional)

$view

$thumbsize

global input parameters

$mgmt_config

$siteaccess

$pageaccess

$compaccess

$rootpermission

$globalpermission

$localpermission

$hiddenfolder

$html5file

$temp_complocation

$hcms_charset

$hcms_lang

$user

Output

explorer with search / false on error

7.10.20 showeditor

Description
Returns the rich text editor code

Syntax
showeditor ($site, $hypertagname, $id, $contentbot="", $sizewidth=600, $sizeheight=300, $toolbar="Default", $lang="en", $dpi=72)

Input parameters

$site ... publication name [string]

$hypertagname ... hypertag name [string]

$id ... hypertag id [string]

$contentbot ... content [string]

$sizewidth ... width of the editor [integer]

$sizeheight ... height of the editor [integer]

$toolbar ... toolbar set [string]

$lang ... 2 digit language code [string]

$dpi ... dpi for scaling images [integer]

global input parameters

$mgmt_config

$publ_config

Output

rich text editor code / false on error

7.10.21 showinlineeditor_head

Description
Returns the rich text editor code (JS, CSS) for include into the html head section

Syntax
showinlineeditor_head ($lang)

Input parameters

$lang ... 2 digit language code [string]

global input parameters

$mgmt_config

$hcms_charset

$hcms_lang

Output

rich text editor code for html head section / false on error

7.10.22 showinlinedatepicker_head

Description
Returns the date picker code (JS, CSS) for include into the html head section

Syntax
showinlinedatepicker_head ()

Input parameters

global input parameters

$mgmt_config

Output

date picker code for html head section / false on error

7.10.23 showinlineeditor

Description
shows the rich text inline editor

Syntax
showinlineeditor ($site, $hypertag, $id, $contentbot="", $sizewidth=600, $sizeheight=300, $toolbar="Default", $lang="en", $contenttype="", $cat="", $location_esc="", $page="", $contentfile="", $db_connect=0, $token="")

Input parameters

$site ... publication name [string]

$hypertag ... hypertag [string]

$id ... hypertag id [string]

$contentbot ... content [string]

$sizewidth ... width of the editor [integer]

$sizeheight ... height of the editor [integer]

$toolbar ... toolbar set [string]

$lang ... 2 digit language code [string]

$contenttype ... content-type [string]

$cat ... category [page, comp]

$location_esc ... converted location [string]

$page ... object name [string]

$contentfile ... container name [string]

$db_connect ... DB-connect file name [string]

$token ... security token [string]

global input parameters

$mgmt_config

$publ_config

$hcms_charset

$hcms_lang

Output

rich text editor code / false on error

7.10.24 showvideoplayer

Description
Generates a html segment for the video player code

Syntax
showvideoplayer ($site, $video_array, $width=854, $height=480, $logo_url="", $id="",

$title="", $autoplay=true, $fullscreen=true, $loop=false, $muted=false, $controls=true, $iframe=false, $force_reload=false)

Input parameters

$site ... video array containing the different html sources [array]

$video_array ... width of the video in pixel [integer]

$width ... height of the video in pixel [integer]

$height ... link to the logo which is displayed before you click on play (If the value is null the default logo will be used) [string]

$logo_url ... ID of the video (will be generated when empty) [string]

$id ... title for this video [string]

$title ... autoplay video on load (true)

$autoplay ... default is false [boolean]

$fullscreen ... view the video in full screen [boolean]

$loop ... play loop [boolean] (optional)

$muted ... muted/no sound [boolean] (optional)

$controls ... player controls [boolean] (optional)

$iframe ... use video in iframe [boolean] (optional)

$force_reload ... reload video sources to prevent the browser cache to show the same video even if it has been changed [boolean] (optional)

global input parameters

$mgmt_config

Output

HTML code of the video player / false on error

7.10.25 showvideoplayer_head

Syntax
showvideoplayer_head ($secureHref=true, $fullscreen=true)

Input parameters

$secureHref ... secure hyperreferences by adding 'hypercms_' [boolean] (optional)

$fullscreen ... is it possible to view the video in fullScreen [boolean] (optional)

global input parameters

$mgmt_config

Output

head for video player / false on error

7.10.26 showaudioplayer

Description
Generates the html segment for the video player code

Syntax
showaudioplayer ($site, $audioArray, $width=320, $height=320, $logo_url="", $id="", $autoplay=false, $loop=false, $controls=true, $force_reload=false)

Input parameters

$site ... publication name [string]

$audioArray ... audio files [array]

$width ... ID of the tag [string] (optional)

$height ... width of the video in pixel [integer]

$logo_url ... height of the video in pixel [integer]

$id ... link to the logo which is displayed before you click on play (If the value is null the default logo will be used) [string]

$autoplay ... ID of the video (will be generated when empty) [string]

$loop ... autoplay (optional) [boolean]

$controls ... play loop (optional) [boolean]

$force_reload ... player controls (optional) [boolean]

global input parameters

$mgmt_config

Output

code of the HTML5 player / false

7.10.27 showaudioplayer_head

Syntax
showaudioplayer_head ($secureHref=true)

Input parameters

$secureHref ... secure hyperreferences by adding 'hypercms_' [boolean] (optional)

global input parameters

$mgmt_config

Output

head for audio player

7.10.28 debug_getbacktracestring

Description
Returns the current backtrace as a good readable string.
Ignores debug and debug_getbacktracestring.

Syntax
debug_getbacktracestring ($valueSeparator, $rowSeparator, $ignoreFunctions=array())

Input parameters

$valueSeparator ... separator for arguments [string]

$rowSeparator ... separator for a row on screen/file [string]

$ignoreFunctions ... functionnames to be ignored [array]

Output

debug message

7.10.29 showAPIdocs

Description
Generates the documentation of an API file

Syntax
showAPIdocs ($file, $return="html", $html_hr=true, $html_description=true, $html_input=true, $html_globals=true, $html_output=true)

Input parameters

$file ... path to API file [string]

$return ... return result as HTML or array [html, array] (optional)

$html_hr ... use horizontal rule as separator in HTML output [boolean] (optional) display description [boolean] (optional)

$html_description ... display input parameters [boolean] (optional)

$html_input ... display global variables [boolean] (optional)

$html_globals ... display output [boolean] (optional)

$html_output

global input parameters

= array()

Output

HTML output of documentation / false on error

7.10.30 readnavigation

Description
Reads the content from the container and collects information about a single navigation item

Syntax
readnavigation ($site, $docroot, $object, $view="publish", $user="sys")

Input parameters

$site ... publication name [string]

$docroot ... location [string]

$object ... object name [string]

$view ... view name (see view parameters of function buildview) [string] (optional)

$user ... user name [string] (optional)

global input parameters

$mgmt_config

$navi_config

Output

navigation item array / false

7.10.31 createnavigation

Description

Generates an associative array (item => nav-item, sub => array with sub-items).

Example

```
$navi_config = array();
document root definitions
$navi_config['root_path'] = "%abs_page%/";
$navi_config['root_url'] = "%url_page%/";
HTML / CSS class defintions
$navi_config['attr_ul_top'] = "class=\"nav navbar-nav\"";
$navi_config['attr_ul_dropdown'] = "class=\"dropdown-menu\"";
$navi_config['attr_li_active'] = "class=\"active\"";
$navi_config['attr_li_dropdown'] = "class=\"dropdown\"";
$navi_config['attr_href_dropdown'] = "class=\"dropdown-toggle\" data-toggle=\"dropdown\"";
$navi_config['tag_li'] = "<li %attr_li%><a href=\"%link%\" %attr_href%>%title%</a>%sub%</li>\n";
$navi_config['tag_ul'] = "<ul %attr_ul%>%list%</ul>\n";
Language definitions
Session variable name that holds the language setting
$navi_config['lang_session'] = "langcode";
2nd key = langcode & value = text_id of textnode
$navi_config['lang_text_id']['DE'] = "Titel_DE";
$navi_config['lang_text_id']['EN'] = "Titel_EN";
PermaLink definitions
2nd key = langcode & value = text_id of textnode
$navi_config['permalink_text_id']['DE'] = "PermaLink_DE";
$navi_config['permalink_text_id']['EN'] = "PermaLink_EN";
Hide navigation item (any value or empty) and use sort order (number or empty)
$navi_config['hide_text_id'] = "NavigationHide";
$navi_config['sort_text_id'] = "NavigationSortOrder";
Use only index file of directory as navigation item, e.g. index.html or index.php (Keep empty if all objects of a folder should be included)
$navi_config['index_file'] = "";
$navigation = createnavigation ("%publication%", $navi_config['root_path'], $navi_config['root_url'], "%view%", "%abs_location%/%object%");
echo shownavigation ($navigation);
```

Syntax

createnavigation ($site, $docroot, $urlroot, $view="publish", $currentobject="", $recursive=true)

Input parameters

$site ... publication name [string]

$docroot ... document root for navigation [string]

$urlroot ... URL root for navigation [string]

$view ... view name (see view parameters of function buildview) [string]

$currentobject ... path to current object [string] (optional)

$recursive ... recursive [boolean] (optional)

global input parameters

$mgmt_config

$navi_config

Output

navigation array / false

7.10.32 shownavigation

Description

display navigation as HTML code.
The following example configures the navigation:

```
$navi_config = array();
document root definitions:
$navi_config['root_path'] = "%abs_page%/";
$navi_config['root_url'] = "%url_page%/";
HTML / CSS class defintions (names between percentage signs are placeholders):
$navi_config['attr_ul_top'] = "class=\"nav navbar-nav\"";
$navi_config['attr_ul_dropdown'] = "class=\"dropdown-menu\"";
$navi_config['attr_li_active'] = "class=\"active\"";
$navi_config['attr_li_dropdown'] = "class=\"dropdown\"";
$navi_config['attr_href_dropdown'] = "class=\"dropdown-toggle\" data-toggle=\"dropdown\"";
$navi_config['tag_li'] = "<li %attr_li%><a href=\"%link%\" %attr_href%>%title%</a>%sub%</li>\n";
$navi_config['tag_ul'] = "<ul %attr_ul%>%list%</ul>\n";
language definitions
Session variable name that holds the language setting
$navi_config['lang_session'] = "langcode";
note: key = langcode & value = text_id of textnode
$navi_config['lang_text_id']['DE'] = "Titel_DE";
$navi_config['lang_text_id']['EN'] = "Titel_EN";
PermaLink defintions
note: key = langcode & value = text_id of textnode
$navi_config['permalink_text_id']['DE'] = "PermaLink_DE";
$navi_config['permalink_text_id']['EN'] = "PermaLink_EN";
Navigation hide and sort order defintions
$navi_config['hide_text_id'] = "NavigationHide";
$navi_config['sort_text_id'] = "NavigationSortOrder";
Use the first object of a folder for the main navigation item and display all following objects as sub navigation items [boolean]
$navi_config['use_1st_folderitem'] = false;
```

Syntax
shownavigation ($navigation, $level=1)

Input parameters

$navigation ... navigation (created by function readnavigation) [array]

$level ... level [integer] (optional)

global input parameters

$mgmt_config

$navi_config

Output

navigation HTML presentation / false

7.10.33 showselect

Syntax
showselect ($value_array, $only_text=false, $selected_value="", $id="", $attributes="")

Input parameters

$value_array ... values array (array-key = value

$only_text ... array-value = text) [array]

$selected_value ... use values of array as option value and text [boolean] (optional)

$id ... selected value [string] (optional)

$attributes ... attributes of select tags like name or id or events [string] (optional)

Output

HTML select box presentation / false

7.10.34 showtranslator

Syntax
showtranslator ($site, $id, $type, $charset="UTF-8", $lang="en", $style="")

Input parameters

$site ... publication name [string]

$id ... editor/text-tag ID [string]

$type ... unformatted or formatted texttag-type [u, f]

$charset ... character set [string] (optional)

$lang ... 2 digit language code [string] (optional)

$style ... style of div tag [string] (optional)

global input parameters

$mgmt_config

$hcms_lang

Output

HTML translator box presentation / false

7.10.35 showmapping

Description
Present the mapping form of the provided publication.

Syntax
showmapping ($site, $lang="en")

Input parameters

$site ... publication name [string]

$lang ... 2 digit language code [string] (optional)

global input parameters

$mgmt_config

$hcms_charset

$hcms_lang

Output

table with form fields for display / false

7.10.36 showgallery

Description
Presents all objects in a gallery with their thumbnails.

Syntax
showgallery ($multiobject, $thumbsize=100, $openlink=false, $user="sys")

Input parameters

$multiobject ... multiobjects represented by their path or object ID [array]

$thumbsize ... thumbnail size in pixels [integer] (optional)

$openlink ... open object on click [boolean] (optional)

$user ... user name [string] (optional)

global input parameters

$mgmt_config

$pageaccess

$compaccess

$hiddenfolder

$hcms_linking

$globalpermission

$setlocalpermission

$hcms_lang

$lang

Output

gallery view / false

7.10.37 showthumbnail

Description
Presents the thumbnail of a single media file that is optionally base64 encoded an can embedded in HTML pages or e-mails.

Syntax
showthumbnail ($site, $mediafile, $name="", $thumbsize=120, $base64=false, $style="", $theme="standard")

Input parameters

- $site ... publication name [string]
- $mediafile ... media file name [string]
- $name ... display name [string] (optional)
- $thumbsize ... thumbnail size in pixels [integer] (optional)
- $base64 ... base64 encoding [boolean] (optional)
- $style ... CSS style for image [string] (optional) design theme name for icons [string] (optional)
- $theme

global input parameters

- $mgmt_config

Output

thumbnail view / false

7.10.38 showworkflowstatus

Description
Displays the workflow status information table.

Syntax
showworkflowstatus ($site, $location, $page)

Input parameters

- $site ... publication name [string]
- $location ... location path [string]
- $page ... object name [string]

global input parameters

- $mgmt_config
- $publ_config
- $hcms_charset

$hcms_lang

$lang

$user

Output

workflow status view / false

7.11 Template Engine API Functions

7.11.1 transformlink

Syntax
transformlink ($viewstore)

Input parameters

$viewstore ... view of object

global input parameters

$site

$location_esc

$page

$ctrlreload

$mgmt_config

Output

view with transformed links for easyedit mode

7.11.2 followlink

Syntax
followlink ($site, $follow)

Input parameters

$site ... publication name

$follow ... link to follow

global input parameters

$mgmt_config

Output

prepared input (location plus page) for easyedit mode (buildview) / false on error

7.11.3 errorhandler

Syntax
errorhandler ($source_code, $return_code, $error_identifier)

Input parameters

$source_code ... source code

$return_code ... return code

$error_identifier ... error identifier

Output

error message and view of the code with line identifiers

7.11.4 viewinclusions

Syntax
viewinclusions ($site, $viewstore, $hypertag, $view, $application, $charset="UTF-8")

Input parameters

$site ... view of object

$viewstore ... hypertag to create view of inlcuded objects

$hypertag ... view parameter

$view ... application

$application ... character set used (optional) view-parameter explanation: "template or any other word": the standard text (in table) will be included for the view "preview": preview of the content of the included file "publish": view the content of the included file as it is (for publishing)

$charset

global input parameters

$user

$mgmt_config

$location

$hcms_lang

$lang

Output

view of the content including the content of included objects

7.11.5 buildview

Description
buildview parameter may have the following values:
"formedit": use form for content editing
"formmeta": use form for content viewing only for meta informations (tag-type must be meta)
"formlock": use form for content viewing
"cmsview": view of page based on template, includes hyperCMS specific code (buttons)
"inlineview": view of page based on template, includes hyperCMS specific code (buttons) and inline text editing
"publish": view of page for publishing based on template without CMS specific code (editing)
"unpublish": execution of the code for unpublishing an object
"preview": view of page based on template for preview (inactive hyperlinks) without CMS specific code (buttons)
"template": view of template based on template for preview (inactive hyperlinks) without CMS specific code (buttons)

Syntax
buildview ($site, $location, $page, $user, $buildview="template", $ctrlreload="no", $template="", $container="", $force_cat="", $execute_code=true)

Input parameters

$site ... publication name [string]

$location ... location [string]

$page ... object name [string]

$user ... user name [string]

$buildview ... view parameter [string] (optional)

$ctrlreload ... reload workplace control frame and add html & body tags if missing [yes, no] (optional)

$template ... template name [string] (optional)

$container ... container name [string] (optional)

$force_cat ... force category to use different location path [page, comp] (optional)

$execute_code ... execute_code [boolean] (optional)

global input parameters

$container_collection

$eventsystem

$db_connect

$mgmt_config

$siteaccess

$adminpermission

$setlocalpermission

$token

$is_mobile

$is_iphone

$viewportwidth

$mgmt_lang_shortcut_default

$hcms_charset

$hcms_lang_name

$hcms_lang_shortcut

$hcms_lang_codepage

$hcms_lang_date

$hcms_lang

$lang

Output

result array with view of the content / false on error

7.11.6 unescapeview

Syntax
unescapeview ($viewstore, $application="php")

Input parameters

$viewstore ... code [string]

$application ... application name [string] (optional)

Output

unescaped code / false on error

7.11.7 buildsearchform

Syntax
buildsearchform ($site="", $template="", $report="", $ownergroup="", $css_display="inline-block", $css_width_field="90%", $empty_values=true, $title="")

Input parameters

$site ... publication name [string] (optional for report)

$template ... template name [string] (optional)

$report ... or report name [string] (optional)

$ownergroup ... group access [array] (optional)

$css_display ... CSS display value for label tag [string] (optional)

$css_width_field ... CSS field width (optional)

$empty_values ... allow empty values [boolean] (optional)

$title ... display title [string] (optional)

global input parameters

$user

$siteaccess

$mgmt_config

$mgmt_lang_shortcut_default

$hcms_charset

$hcms_lang_name

$hcms_lang_shortcut

$hcms_lang_codepage

$hcms_lang_date

$hcms_lang

$lang

Output

form view / false on error

7.11.8 buildbarchart

Syntax
buildbarchart ($paper_name, $paper_width=600, $paper_height=300, $paper_top=10, $paper_left=40, $x_axis, $y1_axis, $y2_axis="", $y3_axis="", $paper_style="", $bar1_style="", $bar2_style="", $bar3_style="", $show_value=false)

Input parameters

$paper_name ... name/id of paper [string]

$paper_width ... width of paper in pixel [integer]

$paper_height ... height of paper in pixel [integer]

$paper_top ... top space in pixel [integer]

$paper_left ... left space in pixel [integer]

$x_axis ... x-axis values [array]

$y1_axis ... y1-axis values [array]

$y2_axis ... y2-axis values [array] (optional)

$y3_axis ... y3-axis values [array] (optional)

$paper_style ... paper CSS style [string]

$bar1_style ... 1st bar chart CSS style [string]

$bar2_style ... 2nd bar chart CSS style [string]

$bar3_style ... 3rd bar chart CSS style [string]

$show_value ... show y-value in bar [boolean]

global input parameters

$lang

$mgmt_config

Output

bar chart view / false on error

7.12 XML API Functions

7.12.1 valid_tagname

Description
Verifies a tag name

Syntax
valid_tagname ($tagname)

Input parameters

$tagname ... tag name [string]

Output

true / false on error

7.12.2 setxmlparameter

Description
Set parameter values in XML declaration (e.g. encoding): encoding="UTF-8"

Syntax
setxmlparameter ($xmldata, $parameter, $value)

Input parameters

$xmldata ... XML content container [string]

$parameter ... paramater name [string]

$value ... paramater value [string]

Output

XML content container / false on error

7.12.3 getcontent

Description
<tagname>content</tagname>
Extracts the content between the given $starttagname xml-tags.
Only this function will decode special characters (&, <, >) in the content and removes CDATA.
Function getcontent will only decode values if they are non-xml and non_html. so content inside child nodes including tags won't be decoded.
Wild card character "*" can be used at the end of $starttagname.

Syntax
getcontent ($xmldata, $starttagname)

Input parameters

$xmldata ... XML content container [string]

$starttagname ... tag name [string]

Output

result array with the content of the requested XML node (tag) / false on error

7.12.4 geticontent

Description
CASE-Insensitive version (XML parser are however always case-sensitive!)
<tagname>content</tagname>
Extracts the content between the given $starttagname xml-tags.
Only this function will decode special characters (&, <, >) in the content and removes CDATA.
getcontent will only decode values if they are non-xml and non_html. so content inside child nodes including tags won't be decoded.
Wild card character "*" can be used at the end of $starttagname

Syntax
geticontent ($xmldata, $starttagname)

Input parameters

$xmldata ... XML content container [string]

$starttagname ... tag name [string]

Output

result array with the content of the requested XML node (tag) / false on error

7.12.5 getxmlcontent

Description
<tagname>content</tagname>
Extracts the content together with the $starttagname xml tags.
This function will NOT decode special characters like function getcontent!
Wild card character "*" can be used at the end of $starttagname.

Syntax
getxmlcontent ($xmldata, $starttagname)

Input parameters

$xmldata ... XML content container [string]

$starttagname ... tag name [string]

Output

result array with the content of the requested XML node (tag) / false on error

7.12.6 getxmlicontent

Description
CASE-Insensitive version (XML parser are always case-sensitive!)
<tagname>content</tagname>
Extracts the content together with the $starttagname xml tags.
This function will NOT decode special characters like function getcontent!
Wild card character "*" can be used at the end of $starttagname.

Syntax
getxmlicontent ($xmldata, $starttagname)

Input parameters

$xmldata ... XML content container [string]

$starttagname ... tag name [string]

Output

result array with the content of the requested XML node (tag) / false on error

7.12.7 selectcontent

Description
<tagname>
....
<condtag>condvalue</condtag>
....

</tagname>
Extracts the content between the given $starttagname xml tags where the child xml tag $startcondtag value is equal with the target value $condvalue.
Wild card character "*" can be used at the end of $starttagname.
Wild card character "*" can be used at begin and end of $condvalue.
Be Aware: $startcondtag must be a child of $starttagname!

Syntax
selectcontent ($xmldata, $starttagname, $startcondtag, $condvalue)

Input parameters

$xmldata ... XML content container [string]

$starttagname ... tag name of requested XML node [string]

$startcondtag ... tag holding the conditional value inside the given starttagname [string]

$condvalue ... conditional value [string]

Output

result array with the content of the requested XML node (tag) / false on error

7.12.8 selecticontent

Description
CASE-Insensitive version (XML parser are always case-sensitive!)
<tagname>
....
<condtag>condvalue</condtag>
....
</tagname>
Extracts the content between the given $starttagname xml tags where the child xml tag $startcondtag value is equal with the target value $condvalue.
Wild card character "*" can be used at the end of $starttagname.
Wild card character "*" can be used at begin and end of $condvalue.
Be Aware: $startcondtag must be a child of $starttagname!

Syntax
selecticontent ($xmldata, $starttagname, $startcondtag, $condvalue)

Input parameters

$xmldata ... XML content container [string]

$starttagname ... tag name of requested XML node [string]

$startcondtag ... tag holding the conditional value inside the given starttagname [string]

$condvalue ... conditional value [string]

Output

result array with the content of the requested XML node (tag) / false on error

7.12.9 selectxmlcontent

Description
<tagname>
....
<condtag>condvalue</condtag>
....
</tagname>
Extracts the content between the given $starttagname xml tags where the child xml tag $startcondtag value is equal with the target value $condvalue
Wild card character "*" can be used at begin and end of $condvalue.
Be Aware: $startcondtag must be a child of $starttagname!

Syntax
selectxmlcontent ($xmldata, $starttagname, $startcondtag, $condvalue)

Input parameters

$xmldata ... XML content container [string]

$starttagname ... tag name of requested XML node [string]

$startcondtag ... tag holding the conditional value inside the given starttagnamev

$condvalue ... conditional value [string]

Output

result array with the content of the requested XML node (tag) / false on error

7.12.10 selectxmlicontent

Description
CASE-Insensitive version (XML parser are always case-sensitive!)
<tagname>
....
<condtag>condvalue</condtag>
....
</tagname>
Extracts the content between the given $starttagname xml tags where the child xml tag $startcondtag value is equal with the target value $condvalue.
Wild card character "*" can be used at begin and end of $condvalue.
Be Aware: $startcondtag must be a child of $starttagname!

Syntax
selectxmlicontent ($xmldata, $starttagname, $startcondtag, $condvalue)

Input parameters

$xmldata ... XML content container [string]

$starttagname ... tag name of requested XML node [string]

$startcondtag ... tag holding the conditional value inside the given starttagname [string]

$condvalue ... conditional value [string]

Output

result array with the content of the requested XML node (tag) / false on error

7.12.11 deletecontent

Description
<tagname>
<condtag>condvalue</condtag>
</tagname>
Deletes the whole xml content including <tagname>.
Wild card character "*" can be used at begin and end of $condvalue.

Syntax
deletecontent ($xmldata, $starttagname, $startcondtag="", $condvalue="")

Input parameters

$xmldata ... XML content container [string]

$starttagname ... tag name of requested XML node [string]

$startcondtag ... tag holding the conditional value inside the given starttagname [string] (optional)

$condvalue ... conditional value [string] (optional)

Output

XML content container / false on error

7.12.12 deleteicontent

Description
CASE-Insensitive version (XML parser are always case-sensitive!)
<tagname>
<condtag>condvalue</condtag>
</tagname>
Deletes the whole xml content including <tagname>.
Wild card character "*" can be used at begin and end of $condvalue.

Syntax
deleteicontent ($xmldata, $starttagname, $startcondtag="", $condvalue="")

Input parameters

$xmldata ... XML content container [string]

$starttagname ... tag name of requested XML node [string]

$startcondtag ... tag holding the conditional value inside the given starttagname [string] (optional)

$condvalue ... conditional value [string] (optional)

Output

XML content container / false on error

7.12.13 setcontent

Description
<parenttagname>
<condtag>condvalue</condtag>
<tagname>contentnew</tagname>
</parenttagname>
$xmldata = data string to be parsed
$startparenttagname = name of the tag that is a parent node of starttagname (necessary if condition has been set!)
$starttagname = name of the tag (child node)
$contentnew = the content that will be inserted between the child tags $starttagname
$startcondtag = child xml tag where condition will be set
$condvalue = value of the condition
Wild card character "*" can be used at begin and end of $condvalue.

Syntax
setcontent ($xmldata, $startparenttagname, $starttagname, $contentnew, $startcondtag="", $condvalue="")

Input parameters

$xmldata ... XML content container [string]

$startparenttagname ... parent tag name [string]

$starttagname ... tag name of XML node for the new content [string]

$contentnew ... new XML node to be inserted

$startcondtag ... tag holding the conditional value inside the given starttagname [string]

$condvalue ... conditional value [string]

Output

XML content container / false on error

7.12.14 seticontent

Description
CASE-Insensitive version (XML parser are always case-sensitive!)
<parenttagname>
<condtag>condvalue</condtag>
<tagname>contentnew</tagname>
</parenttagname>
$xmldata = data string to be parsed
$startparenttagname = name of the tag that is the parent node of starttagname (necessary if condition has been set!)
$starttagname = name of the tag (child node)
$contentnew = the content that will be inserted between the child tags $starttagname
$startcondtag = child xml tag where condition will be set
$condvalue = value of the condition
Wild card character "*" can be used at begin and end of $condvalue.

Syntax
seticontent ($xmldata, $startparenttagname, $starttagname, $contentnew, $startcondtag, $condvalue)

Input parameters

$xmldata ... XML content container [string]

$startparenttagname ... parent tag name [string]

$starttagname ... tag name of XML node for the new content [string]

$contentnew ... new XML node to be inserted [string]

$startcondtag ... tag holding the conditional value inside the given starttagname [string]

$condvalue ... conditional value [string]

Output

XML content container / false on error

7.12.15 setcontent_fast

Description
function designed for link management, extremely fast but with limitations (only CASE-Sensitive!)
<parenttagname>
<condtag>condvalue</condtag>
<tagname>contentnew</tagname>
</parenttagname>
$xmldata = data string to be parsed

$startparenttagname = name of the tag that is the parent node of starttagname (necessary if condition has been set!)
$starttagname = name of the tag (child node)
$contentnew = the content that will be inserted between the child tags $starttagname
$startcondtag = child xml tag where condition will be set
$condvalue = value of the condition
Wild card character "*" can be used at begin and end of $condvalue.

Syntax
setcontent_fast ($xmldata, $startparenttagname, $starttagname, $contentnew, $startcondtag="", $condvalue="")

Input parameters

$xmldata ... XML content container [string]

$startparenttagname ... parent tag name [string]

$starttagname ... tag name of XML node for the new content [string]

$contentnew ... new XML node to be inserted

$startcondtag ... tag holding the conditional value inside the given starttagname [string]

$condvalue ... conditional value [string]

Output

XML content container / false on error

7.12.16 updatecontent

Description
Updates a given xml string $xmlnode in $xmldata with the content $xmlnodenew.
This method provides a faster way to update xml nodes when the node was selected before.

Syntax
updatecontent ($xmldata, $xmlnode, $xmlnodenew)

Input parameters

$xmldata ... XML content container [string]

$xmlnode ... XML node to be replaced [string]

$xmlnodenew ... new XML node [string]

Output

XML content container / false on error

7.12.17 insertcontent

Description

....
....
<tagname> <- list start
....
....
insertxmldata <- insertxmldata
</tagname> <- list end
....
Inserts $insertxmldata string at the end of all child between the parent $tagname .

Syntax
insertcontent ($xmldata, $insertxmldata, $starttagname)

Input parameters

$xmldata ... XML content container [string]

$insertxmldata ... XML node to be inserted in starttagname [string]

$starttagname ... tag name of the parent XML node [string]

Output

XML content container / false on error

7.12.18 inserticontent

Description
CASE-Insensitive version (XML parser are always case-sensitive!)
....
....
<tagname> <- list start
....
....
insertxmldata <- insertxmldata
</tagname> <- list end
....
Inserts $insertxmldata string at the end of all child between the parent $tagname.

Syntax
inserticontent ($xmldata, $insertxmldata, $starttagname)

Input parameters

$xmldata ... XML content container [string]

$insertxmldata ... XML node to be inserted in starttagname [string]

$starttagname ... tag name of the parent XML node [string]

Output

XML content container / false on error

7.12.19 addcontent

Description

```
<grandtagname>
<condtag>condvalue</condtag>
<parenttagname> <- list start
.....................
.....................
..................... }
<tagname>contentnew</tagname> } <- sub_xmldata
..................... }
</parenttagname> <- list end
</grandtagname>
```

$xmldata = data string to be parsed
$sub_xmldata = xml node to be inserted
$startgrandtagname (optional) = name of the grand xml tag of parent xml tag where (article)
$startcondtag (optional) = xml tag inside the parent xml tags where condition will be set
$condvalue (optional) = value of the condition
$startparenttagname (optional) = name of the parent xml tag where the xml subschema should be added (list)
$starttagname (optional) = name of the tag (child)
$contentnew (optional) = the content that will be inserted between the child tags

Syntax

addcontent ($xmldata, $sub_xmldata, $startgrandtagname, $startcondtag, $condvalue, $startparenttagname, $starttagname, $contentnew)

Input parameters

$xmldata ... XML content container [string]

$sub_xmldata ... xml node to be inserted [string]

$startgrandtagname ... grandparent tag name [string]

$startcondtag ... tag holding the conditional value inside the given starttagname [string]

$condvalue ... conditional value [string]

$startparenttagname ... parent tag name [string]

$starttagname ... tag name of XML node for the new content [string]

$contentnew ... new XML node to be inserted [string]

Output

XML content container / false on error

7.12.20 addicontent

Description

CASE-Insensitive version (XML parser are always case-sensitive!)

```
<grandtagname>
<condtag>condvalue</condtag>
<parenttagname> <- list start
......................
......................
...................... }
<tagname>contentnew</tagname> } <- sub_xmldata
...................... }
</parenttagname> <- list end
</grandtagname>
```

$xmldata = data string to be parsed
$sub_xmldata = xml subschema to be inserted
$startgrandtagname (optional) = name of the grand xml tag of parent xml tag where (article)
$startcondtag (optional) = xml tag inside the parent xml tags where condition will be set
$condvalue (optional) = value of the condition
$startparenttagname (optional) = name of the parent xml tag where the xml subschema should be added (list)
$starttagname (optional) = name of the tag (child)
$contentnew (optional) = the content that will be inserted between the child tags

Syntax

addicontent ($xmldata, $sub_xmldata, $startgrandtagname, $startcondtag, $condvalue, $startparenttagname, $starttagname, $contentnew)

Input parameters

$xmldata ... XML content container [string]

$sub_xmldata ... xml node to be inserted [string]

$startgrandtagname ... grandparent tag name [string]

$startcondtag ... tag holding the conditional value inside the given starttagname [string]

$condvalue ... conditional value [string]

$startparenttagname ... parent tag name [string]

$starttagname ... tag name of XML node for the new content [string]

$contentnew ... new XML node to be inserted [string]

Output

XML content container / false on error

7.13 Report API Functions

7.13.1 createreport

Description
This function creates a new report

Syntax
createreport ($report_name)

Input parameters

$report_name ... report name [string]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.13.2 editreport

Description
This function saves the configuration of a report.

Syntax
editreport ($report_name, $config)

Input parameters

$report_name ... report name [string]

$config ... report configuration [array]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.13.3 loadreport

Description
This function loads the report configuration file and provides the data as array.

Syntax
loadreport ($report_name)

Input parameters

$report_name ... report name [string]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array / false

7.13.4 deletereport

Description
This function deletes a report

Syntax
deletereport ($report_name)

Input parameters

$report_name ... report name [string]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.13.5 analyzeSQLselect

Description
This function analyzes an SQL Select statement and return its parts in an array

Syntax
analyzeSQLselect ($sql)

Input parameters

$sql ... SQL statement [string]

Output

result array

7.13.6 showpiechart

Description
This function creates the Google Chart Code for a pie chart. The Google Chart API need to be loaded first!

Syntax
showpiechart ($title="", $x_title, $x_value, $y_title, $y_value, $data_array, $width="100%", $height="100%", $id="hcmsPieChart", $suffix="", $loadAPI=true)

Input parameters

$title ... chart title [string]

$x_title ... chart x-axis title [string]

$x_value ... chart x-axis array key name holding the values [string]

$y_title ... chart y-axis title [string]

$y_value ... chart y-axis array key name holding the values [string]

$data_array ... assoz. data array [array]

$width ... chart width [string] (optional)

$height ... chart height [string] (optional)

$id ... ID of chart [string] (optional)

$suffix ... function name suffix [string] (optional)

$loadAPI ... load Google Chart API [boolean] (optional)

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

Google Chart code / false

7.13.7 showcolumnchart

Description

This function creates the Google Chart Code for a column chart. The Google Chart API need to be loaded first!

Syntax

showcolumnchart ($title="", $x_title, $x_value, $y1_title, $y1_value, $y2_title="", $y2_value="", $y3_title="", $y3_value="", $data_array, $width="100%", $height="100%", $id="hcmsColumnChart", $suffix="", $loadAPI=true)

Input parameters

$title ... chart title [string]

$x_title ... chart x-axis title [string]

$x_value ... chart x-axis array key name holding the values [string]

$y1_title ... chart y1-axis title [string]

$y1_value ... chart y1-axis array key name holding the values [string]

$y2_title ... chart y2-axis title [string]

$y2_value ... chart y2-axis array key name holding the values [string]

$y3_title ... chart y3-axis title

$y3_value ... chart y3-axis array key name holding the values [string]

$data_array ... assoz. data array [array]

$width ... chart width [string] (optional)

$height ... chart height [string] (optional)

$id ... ID of chart [string] (optional)

$suffix ... function name suffix [string] (optional)

$loadAPI

global input parameters

$mgmt_config

$hcms_lang

$lang

$user

Output

Google Chart code / false

7.13.8 showareachart

Description
This function creates the Google Chart Code for an area chart. The Google Chart API need to be loaded first!

Syntax
showareachart ($title="", $x_title, $x_value, $y1_title, $y1_value, $y2_title="", $y2_value="", $y3_title="", $y3_value="", $data_array, $width="100%", $height="100%", $id="hcmsAreaChart", $suffix="", $loadAPI=true)

Input parameters

$title ... chart title [string]

$x_title ... chart x-axis title [string]

$x_value ... chart x-axis array key name holding the values [string]

$y1_title ... chart y1-axis title [string]

$y1_value ... chart y1-axis array key name holding the values [string]

$y2_title ... chart y2-axis title [string]

$y2_value ... chart y2-axis array key name holding the values [string]

$y3_title ... chart y3-axis title

$y3_value ... chart y3-axis array key name holding the values [string]

$data_array ... assoz. data array [array]

$width ... chart width [string] (optional)

$height ... chart height [string] (optional)

$id ... ID of chart [string] (optional)

$suffix ... function name suffix [string] (optional)

$loadAPI

global input parameters

$mgmt_config

$hcms_lang

$lang

$user

Output

Google Chart code / false

7.13.9 showtimelinechart

Description
This function creates the Google Chart Code for a timeline chart. The Google Chart API need to be loaded first!

Syntax
showtimelinechart ($title="", $y_title, $y_value, $x1_title, $x1_value, $x2_title="", $x2_value="", $data_array, $width="100%", $height="100%", $id="hcmsTimelineChart", $suffix="", $loadAPI=true)

Input parameters

$title ... chart title [string]

$y_title ... chart y-axis title [string]

$y_value ... chart y-axis array key name holding the values [string]

$x1_title ... chart x1-axis title

$x1_value ... chart x1-axis array key name holding the values [string]

$x2_title ... chart x2-axis title [string]

$x2_value ... chart x2-axis array key name holding the values [string]

$data_array ... assoz. data array [array]

$width ... chart width [string] (optional)

$height ... chart height [string] (optional)

$id ... ID of chart [string] (optional)

$suffix ... function name suffix [string] (optional)

$loadAPI ... load Google Chart API [boolean] (optional)

global input parameters

$mgmt_config

$hcms_lang

$lang

$user

Output

Google Chart code / false

7.13.10 showgeolocationchart

Description
This function creates the Google Maps Code for a geolocation chart. The Google Maps API need to be loaded first!

Syntax
showgeolocationchart ($title="", $marker_value, $lat_value, $lng_value, $link_value,

$data_array, $width="100%", $height="100%", $id="hcmsGeolocationChart", $suffix="", $loadAPI=true)

Input parameters

$title ... chart title [string]

$marker_value ... array key name holding the value for the marker title [string]

$lat_value ... array key name holding the value for the latitude of the marker [string]

$lng_value ... array key name holding the value for the longitude of the marker [string]

$link_value ... array key name holding the value for the marker link [string]

$data_array ... assoz. data array [array]

$width ... chart width [string] (optional)

$height ... chart height [string] (optional)

$id ... ID of chart [string] (optional)

$suffix ... function name suffix [string] (optional)

$loadAPI ... load Google Maps API [boolean] (optional)

global input parameters

$mgmt_config

$hcms_lang

$lang

$user

Output

Google Chart code / false

7.14 Project API Functions

7.14.1 createproject

Description
This function creates a new project.

Syntax
createproject ($subproject_id=0, $object_id="", $user, $projectname, $description="")

Input parameters

$subproject_id ... ID of main project (only if the project is a subproject) [integer]

$object_id ... object ID or path to object [string] (optional)

$user ... user name of sub/project owner [string]

$projectname ... project name [string]

$description ... project description [string] (optional)

global input parameters

$mgmt_config

$hcms_lang_codepage

$hcms_lang

$lang

Output

result array

7.14.2 editproject

Description
This function saves data of an exitsing project.

Syntax
editproject ($project_id, $subproject_id=0, $object_id="", $user="", $projectname="", $description="")

Input parameters

$project_id ... project ID [integer]

$subproject_id ... ID of main project (only if project is a subproject) [integer]

$object_id ... object ID or path to object [string] (optional)

$user ... user name of sub/project owner [string] (optional)

$projectname ... project name [string] (optional)

$description ... project description [string] (optional)

global input parameters

$mgmt_config

$hcms_lang_codepage

$hcms_lang

$lang

Output

result array

7.14.3 deleteproject

Description
This function removes projects.

Syntax
deleteproject ($project_id)

Input parameters

$project_id ... project ID or array of project IDs to be deleted [string or array]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

result array

7.14.4 getprojectstructure

Description
This function creates an associative array presenting the project structure (project -> subprojects -> tasks).

Syntax
getprojectstructure ($project_id, $user="")

Input parameters

$project_id ... project ID [integer]

$user ... projects for specific user name [string] (optional)

global input parameters

$mgmt_config

Output

associative result array / false

7.14.5 showprojectrecord

Description
This function creates a table row for the projects presentation.

Syntax
showprojectrecord ($project_record, $masterproject_id)

Input parameters

$project_record ... project record as array (project/subproject/task) [array]

$masterproject_id ... ID of master project [integer]

global input parameters

$mgmt_config

$hcms_lang

$lang

$siteaccess

$user_array

Output

html presentation of the record / false

7.14.6 showganttchart

Description
This function creates the Google Chart Code for a Gantt chart. The Google Chart API need to be loaded first.

Syntax
showganttchart ($title="", $task_title, $task_value, $resource_title="", $resource_value="", $start_title, $start_value, $end_title="", $end_value="", $status_title="", $status_value="", $data_array, $width="100%", $height="100%", $id="hcmsTimelineChart", $suffix="", $loadAPI=true)

Input parameters

$title ... chart title [string]

$task_title ... task title [string]

$task_value ... task array key name holding the values [array]

$resource_title ... resouce title [string] (optional)

$resource_value ... resource array key name holding the values [string] (optional)

$start_title ... task start date title [string]

$start_value ... task start date array key name holding the values [string]

$end_title ... task finish date title [string]

$end_value ... task finish date array key name holding the values [string]

$status_title ... work status title [string] (optional)

$status_value ... work status array key name holding the values [string] (optional)

$data_array ... assoz. data array [array]

$width ... chart width [string] (optional)

$height ... chart height [string] (optional)

$id ... ID of chart [string] (optional)

$suffix ... function name suffix [string] (optional)

$loadAPI ... load Google Chart API [boolean] (optional)

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

Google Chart code / false

7.15 Task API Functions

7.15.1 createtask

Description
Creates a new user task and send optional e-mail to user.
Since verion 5.8.4 the data will be stored in RDBMS instead of XML files.

Syntax
createtask ($site="", $from_user, $from_email="", $to_user, $to_email="", $startdate="", $finishdate="", $category="", $object_id="", $taskname, $message="", $sendmail=true, $priority="low", $project_id=0, $planned="")

Input parameters

$site ... publication name [string] (optional)

$from_user ... from_user name [string]

$from_email ... from_email [email-address] (optional)

$to_user ... to_user name [string]

$to_email ... to_email [email-address] (optional)

$startdate ... start date [yyyy-mm-dd] (optional)

$finishdate ... finish date [yyyy-mm-dd] (optional)

$category ... category [link, user, workflow] (optional)

$object_id ... object ID or object path [string]

$taskname ... task name [string]

$message ... message [string] (optional)

$sendmail ... sendmail [boolean]

$priority ... priority [high, medium, low] (optional)

$project_id ... project/subproject ID if the task should be assigned to a project [integer] (optional)

$planned ... planned effort in taskunit [integer] (optional)

global input parameters

$mgmt_config

$hcms_lang_codepage

$hcms_lang

$lang

Output

result array

7.15.2 edittask

Description
Saves data of a user task and send optional e-mail to user.
Since verion 5.8.4 the data will be stored in RDBMS instead of XML files.

Syntax
edittask ($task_id, $object_id="", $to_user="", $startdate="", $finishdate="", $taskname="", $message="", $sendmail=true, $priority="", $status="", $planned="", $actual="", $project_id=0)

Input parameters

$task_id ... task ID [integer]

$object_id ... object ID pr path to object [string] (optional)

$to_user ... to_user name [string] (optional)

$startdate ... start date [yyyy-mm-dd] (optional)

$finishdate ... finish date [yyyy-mm-dd] (optional)

$taskname ... name of task [string] (optional)

$message ... task message/description [string] (optional)

$sendmail ... sendmail [true/false]

$priority ... priority [high, medium, low] (optional)

$status ... status in percent [0-100] (optional)

$planned ... planned effort in taskunit [integer] (optional)

$actual ... actual effort in taskunit [integer] (optional)

$project_id ... project/subproject ID the task belongs to [integer] (optional)

global input parameters

$mgmt_config

$hcms_lang_codepage

$hcms_lang

$lang

Output

result array

7.15.3 deletetask

Description
Deletes user tasks.

Syntax
deletetask ($task_id)

Input parameters

$task_id ... task ID or array of task IDs to be deleted [integer]

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

true/false

7.15.4 tasknotification

Description
Sends e-mail notifications to users if a task starts or ends on the given date.

Syntax
tasknotification ($date)

Input parameters

$date ... date [yyyy-mm-dd]

global input parameters

$mgmt_config

$hcms_lang_codepage

$hcms_lang

$lang

Output

true/false

7.16 Workflow API Functions

7.16.1 deleteworkflow

Description
This function deletes a workflow.

Syntax
deleteworkflow ($site, $wf_name, $cat)

Input parameters

$site ... publication name [string]

$wf_name ... worfklow name [string]

$cat ... category [man, script]

global input parameters

$user

$eventsystem

$mgmt_config

$hcms_lang

$lang

Output

result array

7.16.2 buildworkflow

Syntax
buildworkflow ($workflow_data)

Input parameters

$workflow_data ... workflow [XML]

Output

workflow items as array

7.16.3 workflowaccept

Syntax
workflowaccept ($site, $location, $object, $workflow, $item_id, $user, $message="", $sendmail=true, $priority="medium")

Input parameters

$site ... publication name [string]

$location ... location name [string]

$object ... object name [string]

$workflow ... workflow [XML-string]

$item_id ... item id [string]

$user ... user name of executing user [string]

$message ... task message [string] (optional)

$sendmail ... sendmail [boolean] (optional)

$priority ... priority [high, medium, low] (optional)

global input parameters

$mgmt_config

$hcms_lang_codepage

$hcms_lang

$lang

Output

workflow [XML-string] / false

7.16.4 acceptobject

Description
Accepts an object that is managed by a workflow.

Syntax
acceptobject ($site, $location, $object, $item_id, $user, $message="", $sendmail=true, $priority="medium")

Input parameters

$site ... publication name [string]

$location ... location name [string]

$object ... object name [string]

$item_id ... workflow item id [string]

$user ... user name of executing user [string]

$message ... task message [string] (optional)

$sendmail ... sendmail [boolean] (optional)

$priority ... priority [high, medium, low] (optional)

global input parameters

$mgmt_config

$contentfile

$hcms_lang_codepage

$hcms_lang

$lang

Output

result array

7.16.5 workflowreject

Description
Rejects an object that is managed by a workflow.

Syntax
workflowreject ($site, $location, $object, $workflow, $item_id, $user, $message="", $sendmail=true, $priority="medium")

Input parameters

$site ... publication name [string]

$location ... location name [string]

$object ... object name [string]

$workflow ... workflow [XML-string]

$item_id ... workflow item id [string]

$user ... user name of executing user [string]

$message ... task message [string] (optional)

$sendmail ... send mail [boolean] (optional)

$priority ... priority [high, medium, low] (optional)

global input parameters

$mgmt_config

$hcms_lang

$lang

Output

workflow [XML-string] / false

7.16.6 rejectobject

Description
Rejects an object that is managed by a workflow.

Syntax
rejectobject ($site, $location, $object, $item_id, $user, $message="", $sendmail=true, $priority="medium")

Input parameters

$site ... publication name [string]

$location ... location name [string]

$object ... object name [string]

$item_id ... workflow item id [string]

$user ... user name of executing user [string]

$message ... task message [string] (optional)

$sendmail ... send mail [boolean] (optional)

$priority ... priority [high, medium, low]

global input parameters

$mgmt_config

$contentfile

$hcms_lang_codepage

$hcms_lang

$lang

Output

result array

7.17 Cloud Storage API Functions

7.17.1 loadcloudobject

Description
This functions load/streams an object/file from the cloud storage and saves it the local media repository on request

Syntax
loadcloudobject ($site, $location, $file, $user="", $save=true, $directoutput=false)

Input parameters

$site ... publication name [string]

$location ... media file location [string]

$file ... media file name [string]

$user ... user name [string] (optional)

$save ... save file in local media repository or return content as result [true, false] (optional)

$directoutput ... direct output of the streamed content [true, false] (optional)

global input parameters

$mgmt_config

Output

data / false on error

7.17.2 savecloudobject

Description
This function saves an object/file in the cloud storage if no daily cloud snyc has been defined, see main configuration setting $mgmt_config['storage_dailycloudsnyc']

Syntax
savecloudobject ($site, $location, $file, $user="")

Input parameters

$site ... publication name [string]

$location ... media file location [string]

$file ... media file name [string]

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

true / false on error

7.17.3 copycloudobject

Description
This functions renames an object/file in the cloud storage

Syntax
copycloudobject ($site, $location, $file_old, $file_new, $user="")

Input parameters

$site ... publication name [string]

$location ... media file location [string]

$file_old ... source media file name [string]

$file_new ... destination media file name [string]

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

true / false on error

7.17.4 renamecloudobject

Description
This functions renames an object/file in the cloud storage

Syntax
renamecloudobject ($site, $location, $file_old, $file_new, $user="")

Input parameters

$site ... publication name [string]

$location ... media file location [string]

$file_old ... old media file name [string]

$file_new ... new media file name [string]

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

true / false on error

7.17.5 deletecloudobject

Description

This function deletes an object/file and its data from the cloud storage

Syntax
deletecloudobject ($site, $location, $file, $user="")

Input parameters

$site ... publication name [string]

$location ... media file location [string]

$file ... media file name [string]

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

true / false on error

7.17.6 synccloudobjects

Description
This function snychronizes all local objects/files with the cloud storage.
See also main configuration settings $mgmt_config['storage_dailycloudsnyc'] and $mgmt_config['storage_type'].

Syntax
synccloudobjects ($user="")

Input parameters

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

true / false on error

7.17.7 GCanalyzevideo

Description

Analyzes a video and finds labels, based on Google Video Intelligence.

Syntax
GCanalyzevideo ($site, $path)

Input parameters

$site ... publication name [string]

$path ... path or URI to a video file [string]

global input parameters

$mgmt_config

Output

result array / false on error

7.17.8 GCanalyzeimage

Description
Analyzes an image and finds labels, based on Google Vision.

Syntax
GCanalyzeimage ($site, $path)

Input parameters

$site ... publication name [string]

$path ... path or URI to a video file [string]

global input parameters

$mgmt_config

Output

result array / false on error

7.17.9 GCspeech2text

Description
Analyzes a video or audio and extracts the text from the audio stream, based on Google Cloud Speech.
Google Speech supports the following language codes:
af-ZA, am-ET, hy-AM, az-AZ, id-ID, ms-MY, bn-BD, bn-IN, ca-ES, cs-CZ, da-DK, de-DE, en-

AU, en-CA, en-GH, en-GB, en-IN, en-IE, en-KE, en-NZ, en-NG, en-PH, en-ZA, en-TZ, en-US, es-AR, es-BO, es-CL, es-CO, es-CR, es-EC, es-SV, es-ES, es-US, es-GT, es-HN, es-MX, es-NI, es-PA, es-PY, es-PE, es-PR, es-DO, es-UY, es-VE, eu-ES, fil-PH, fr-CA, fr-FR, gl-ES, ka-GE, gu-IN, hr-HR, zu-ZA, is-IS, it-IT, jv-ID, kn-IN, km-KH, lo-LA, lv-LV, lt-LT, hu-HU, ml-IN, mr-IN, nl-NL, ne-NP, nb-NO, pl-PL, pt-BR, pt-PT, ro-RO, si-LK, sk-SK, sl-SI, su-ID, sw-TZ, sw-KE, fi-FI, sv-SE, ta-IN, ta-SG, ta-LK, ta-MY, te-IN, vi-VN, tr-TR, ur-PK, ur-IN, el-GR, bg-BG, ru-RU, sr-RS, uk-UA, he-IL, ar-IL, ar-JO, ar-AE, ar-BH, ar-DZ, ar-SA, ar-IQ, ar-KW, ar-MA, ar-TN, ar-OM, ar-PS, ar-QA, ar-LB, ar-EG, fa-IR, hi-IN, th-TH, ko-KR, cmn-Hant-TW, yue-Hant-HK, ja-JP, cmn-Hans-HK, cmn-Hans-CN

Syntax
GCspeech2text ($site, $path, $langcode="en-US")

Input parameters

$site ... publication name [string]

$path ... path or URI to a video file [string]

$langcode ... language code [string] (optional)

global input parameters

$mgmt_config

$mgmt_imagepreview

$mgmt_mediapreview

$mgmt_mediaoptions

$mgmt_imageoptions

$mgmt_maxsizepreview

$mgmt_mediametadata

$mgmt_compress

$hcms_ext

Output

result array / false on error

7.18 Import/Export API Functions

7.18.1 exportobjects

Description
Executes the export job.

Syntax
exportobjects ()

Input parameters

global input parameters

$mgmt_config

Output

true / false

7.18.2 importobjects

Description
Executes the import job.

Syntax
importobjects ()

Input parameters

global input parameters

$mgmt_config

Output

true / false

7.18.3 importmediafiles

Description
This function imports all directories and files from import directory to location.

Syntax
importmediafiles ($importdir, $location, $createfolders=false, $leavefiles=false, $deletefiles=false, $report=true, $user="sys")

Input parameters

$importdir ...

$location

$createfolders

$leavefiles

$deletefiles

$report

$user

global input parameters

$mgmt_config

Output

true/false

7.18.4 importxmlfiles

Description
Import of content and media files based on the XML import schema.

Syntax
importxmlfiles ($importdir, $createfolders=false, $ignoremissinglinks=false, $leavefiles=false, $deletefiles=false, $report=true, $user="sys")

Input parameters

$importdir ... path of the import directory [string]

$createfolders ... create folder [boolean] (optional)

$ignoremissinglinks ... ignore or keep links to missing objects [boolean] (optional)

$leavefiles ... leave the files in the import directory and create symbolic link to the file [boolean] (optional)

$deletefiles ... delete files after successful import [boolean] (optional)

$report ... print report [boolean] (optional)

$user ... user name [string] (optional)

global input parameters

$mgmt_config

Output

true / false

7.18.5 calculatedate

Syntax
calculatedate ($days)

Input parameters

$days ... number of days [integer]

Output

date based on number of days in the past from today

7.18.6 exportxmlfiles

Description
Export of content and media files based on the XMLexport schema.

Syntax
exportxmlfiles ($location, $object="", $exportdir, $recursive=false, $preserve=false, $symlink=false, $delete=false, $createdays=0, $editdays=0, $accessdays=0, $filesize=0, $contentrules="", $report=true, $user="sys")

Input parameters

$location ... location [string]

$object ... object name [string] (optional)

$exportdir ... path of the export directory or FTP server path [string]

$recursive ... export all items in subfolders recursively [boolean] (optional)

$preserve ... preserve container ID [boolean] (optional)

$symlink ... export only the media files and use a symbolic link to the file [boolean] (optional)

$delete ... delete files after successful export [boolean] (optional)

$createdays ... age in days after creation of the object [integer] (optional)

$editdays ... age in days after last modification of the object [integer] (optional)

$accessdays ... age in days after last access of the object [integer] (optional)

$filesize ... minimum file size of the asset in MB [integer] (optional)

$contentrules ... content rules/conditions for text content based on SQL Syntax [string]

$report ... print report [boolean] (optional)

$user … user name [string] (optional)

global input parameters

$mgmt_config

Output

true / false

8 Legal reference / flag

8.1 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:
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8.2 Imprint

Responsible for the content:

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8.3 Legal information

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