



# Index

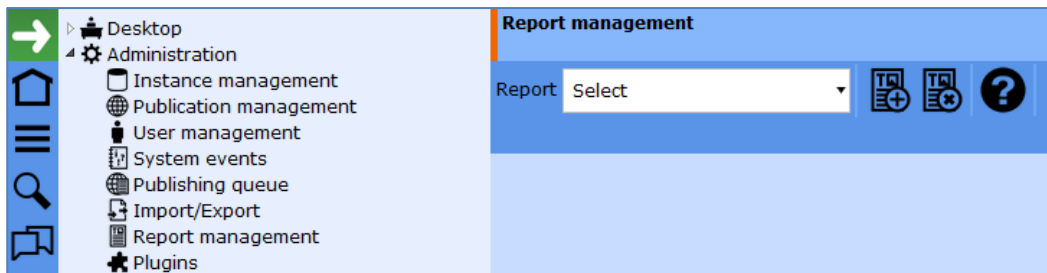
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# 1 Introduction to reports

The Report Management of the system enables you to create individual reports and charts. The reports are based on SQL

,, (Structured Query Language), so a basic knowledge about SQL might be helpful but is not necessary, since the editor allows you the create SQL statements without typing them.

Select the corresponding menu item in the Navigator to access the report management. After the selection, a toolbar will appear in the work place. When you move the mouse pointer over one of the icons, the name of the action or a short explanation will be displayed:



**You can select the following actions for the Reports:**

- Select and edit an existing report
- Create a new report
- Remove an existing report

## 2 Report management

### 2.1 Create a new report

Click on the first icon in the toolbar. A text field appears that will prompt you for a name of the new report. Input the name (the name must be unique). Then click the "OK" button.

The new report has been created and an editor opens automatically.

# Report: Top10UsersByActivity



## Title

Top 10 Users by Activities

## Select fields of entities

<b>object</b> <input type="checkbox"/> object_id [Primary key] <input type="checkbox"/> id [Foreign key] <input type="checkbox"/> createdate [datetime] <input type="checkbox"/> date [datetime] <input type="checkbox"/> publishdate [datetime] <input type="checkbox"/> user [char(100)] <input type="checkbox"/> objectpath [varchar(20000)] <input type="checkbox"/> container [char(20)] <input type="checkbox"/> template [varchar(60)] <input type="checkbox"/> media [char(255)] <input type="checkbox"/> latitude [float(10,6)] <input type="checkbox"/> longitude [float(10,6)] <input type="checkbox"/> filesize [int(11)] <input type="checkbox"/> filetype [char(20)] <input type="checkbox"/> width [smallint(6)]	<b>textnodes</b> <input type="checkbox"/> textnodes_id [int(11)] <input type="checkbox"/> id [Foreign key] <input type="checkbox"/> text_id [char(255)] <input type="checkbox"/> textcontent [text] <input type="checkbox"/> object_id [Primary key] <input type="checkbox"/> type [char(6)] <input type="checkbox"/> user [char(100)]	<b>dailystat</b> <input type="checkbox"/> stats_id [int(11)] <input type="checkbox"/> id [Foreign key] <input type="checkbox"/> date [date] <input type="checkbox"/> activity [char(80)] <input checked="" type="checkbox"/> user [char(100)] <input checked="" type="checkbox"/> count [int(11)] <input checked="" type="checkbox"/> SUM(count)	<b>project</b> <input type="checkbox"/> project_id [Primary key] <input type="checkbox"/> subproject_id [int(11)] <input type="checkbox"/> object_id [Foreign key] <input type="checkbox"/> createdate [datetime] <input type="checkbox"/> project [char(200)] <input type="checkbox"/> description [varchar(3600)] <input type="checkbox"/> user [char(100)]
<b>task</b> <input type="checkbox"/> task_id [int(11)] <input type="checkbox"/> object_id [Foreign key] <input type="checkbox"/> from_user [varchar(100)] <input type="checkbox"/> to_user [varchar(100)] <input type="checkbox"/> startdate [date] <input type="checkbox"/> finishdate [date] <input type="checkbox"/> category [varchar(20)] <input type="checkbox"/> description [varchar(3600)] <input type="checkbox"/> priority [varchar(10)] <input type="checkbox"/> status [tinyint(3)] <input type="checkbox"/> planned [float(6,2)] <input type="checkbox"/> actual [float(6,2)] <input type="checkbox"/> project_id [Foreign key] <input type="checkbox"/> task [varchar(200)] <input type="checkbox"/> SUM(actual)	<b>recipient</b> <input type="checkbox"/> recipient_id [int(11)] <input type="checkbox"/> object_id [Foreign key] <input type="checkbox"/> date [datetime] <input type="checkbox"/> from_user [char(100)] <input type="checkbox"/> to_user [varchar(600)] <input type="checkbox"/> email [varchar(255)]	<b>accesslink</b> <input type="checkbox"/> hash [varchar(20)] <input type="checkbox"/> date [datetime] <input type="checkbox"/> object_id [Foreign key] <input type="checkbox"/> type [char(2)] <input type="checkbox"/> user [varchar(600)] <input type="checkbox"/> deathtime [int(11)] <input type="checkbox"/> formats [varchar(510)]	

dailystat.user AS User, SUM(dailystat.count) AS Count

## Add new condition

AND User =

TXT ☒ ☐ ☐ ☐

## Conditions

AND object.objectpath LIKE "%comp%/[hyperCMS:textl id='publication' label='Publication' list='%publication%']/%"

## Group by

User

dailystat.user

## Order by

User

count DESC

## Concat by

## Limit (#start, #next)

1,10

## SQL Statement

```
SELECT dailystat.user AS User, SUM(dailystat.count) AS Count
FROM dailystat, object
WHERE dailystat.activity = "[hyperCMS:textl id='activity' label='Activity' list='download|upload|view']" AND
(object.id=dailystat.id) AND object.objectpath LIKE "%comp%/[hyperCMS:textl id='publication' label='Publication'
list='%publication%']/%"
GROUP BY dailystat.user
ORDER BY count DESC
LIMIT 1,10
```

**Entities**

The editor shows the entities (tables) of the logical data model and all their attributes including their data-type in brackets. Red attributes represent foreign keys and might not be of special interest in most cases.

You can now simply select the data for your report by checking the desired attributes. The editor will generate the SQL statement and will immediately present it to you in the last text area named "SQL Statement".

**Conditions**

In the field "Conditions" your defined restrictions regarding the data will appear. You can use the wizard "Add new condition" to define new conditions and add them.

**Group by**

Select an attribute you want to group by your data. This makes especially sense if you want to calculate the SUM of the "count" in entity "dailystat" or the "duration" of entity "task". For instance, one statistic will be grouped by the "object\_id", which represents one unique object in the system.

**Order by**

Select one or more attributes the result should be sorted by ascending or descending.

**Concat by**

Concat means Concatenation. If you want all attributes of your results to be summarized according to one attribute.

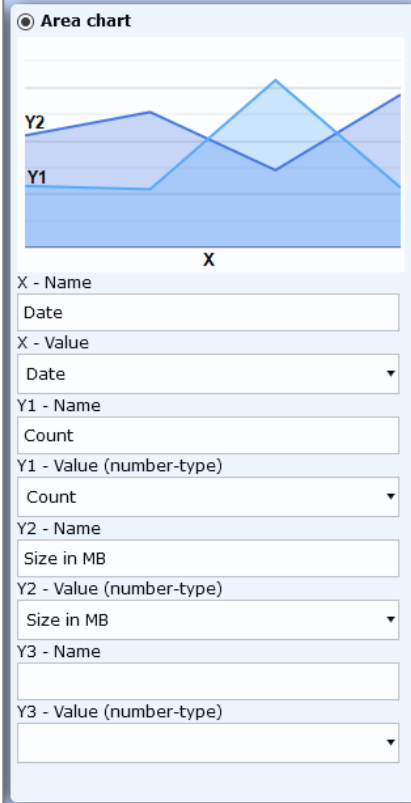
**Limit**

You can limit the number of rows returned by the SQL query. For instance 1,30 means, starting from the first row the next 30 rows will be returned.

After you have defined your SQL Statement you should first save your report so the select fields of the chart can be updated.

## Charts

Select a chart type and assign the result values of the SQL statement to the chart. The parameters are explained in the chart graphics, see:



The image shows a configuration window for an 'Area chart'. At the top, there is a preview of the chart with two data series, Y1 and Y2, plotted against an X-axis. Below the preview, there are input fields for configuring the chart:

- X - Name:** Date
- X - Value:** Date (dropdown menu)
- Y1 - Name:** Count
- Y1 - Value (number-type):** Count (dropdown menu)
- Y2 - Name:** Size in MB
- Y2 - Value (number-type):** Size in MB (dropdown menu)
- Y3 - Name:** (empty field)
- Y3 - Value (number-type):** (empty dropdown menu)

In order to display a graph, numerical values are required for the area, pie or column charts. The timeline chart requires valid dates and the geo chart needs valid latitude and longitude coordinates.



The image shows a selection interface for different chart types. Each chart type has a preview and a configuration panel:

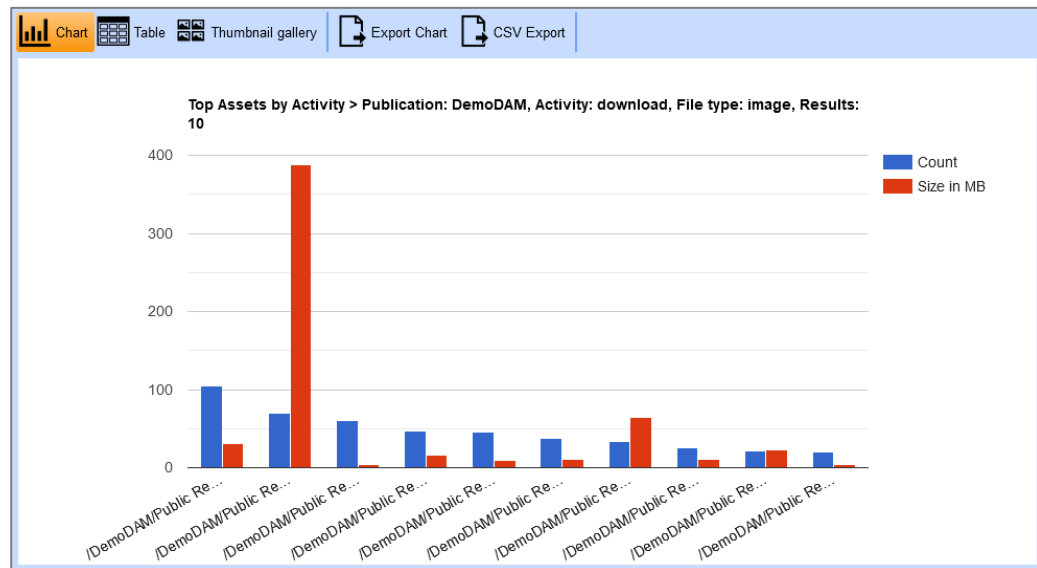
- None:** Preview shows a bar chart with an orange trend line.
- Pie chart:** Preview shows a pie chart. Configuration fields: X - Name, X - Value, Y - Name, Y - Value (number-type).
- Column chart:** Preview shows a bar chart. Configuration fields: X - Name, X - Value, Y1 - Name, Y1 - Value (number-type), Y2 - Name, Y2 - Value (number-type), Y3 - Name, Y3 - Value (number-type).
- Area chart:** Preview shows an area chart. Configuration fields: X - Name, X - Value, Y1 - Name, Y1 - Value (number-type), Y2 - Name, Y2 - Value (number-type), Y3 - Name, Y3 - Value (number-type).
- Timeline chart:** Preview shows a timeline with markers. Configuration fields: Y - Name, Y - Value, X1 - Name, X1 - Value (date-type), X2 - Name, X2 - Value (date-type).
- Geo chart:** Preview shows a map with markers. Configuration fields: Marker - Name, Marker - Latitude (number-type), Marker - Longitude (number-type), Marker - Link.

You can view the result of the report by clicking on the preview button right next to the save button at the top of the editor.

Depending on the diagram selected, the graphical report, a table view and a thumbnail gallery of the objects will be available (if objects are part of the report).

## Chart

This interactive chart can also be exported as an image. An exception is the interactive geolocation diagram, which cannot be exported as an image.



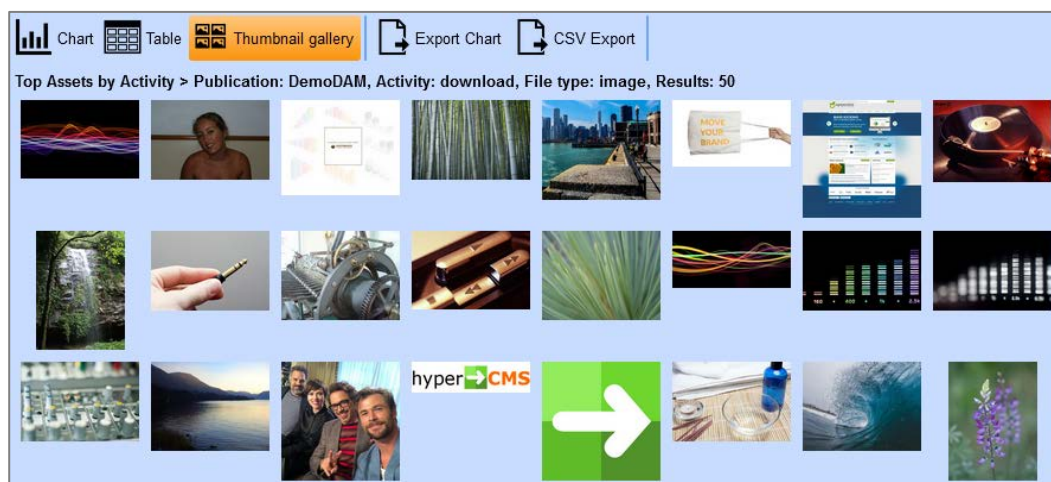
## Table

You can export the result of the report with all report data and download it as a CSV file.

Object	user	Created	Edited	Count	Size in MB
/DemoDAM/Public Relations/graphics/audio_waveform.jpg	sys	2015-06-08 16:38:43	2022-01-20 14:24:58	105	30.39
/DemoDAM/Public Relations/graphics/RAW_SONY_A300_2_ARW	sys	2015-06-19 16:37:32	2021-01-11 17:22:11	70	388.17
/DemoDAM/Public Relations/graphics/charts.jpg	admin	2015-06-08 16:39:02	2018-10-26 10:23:55	60	3.73
/DemoDAM/Public Relations/graphics/bamboo_background.jpg	sys	2015-06-08 16:38:45	2019-06-27 10:18:40	47	16.69
/DemoDAM/Public Relations/graphics/chicago-and-lake-michigan.png	demouser	2016-04-29 21:30:23	2024-01-08 06:43:22	45	9.00
/DemoDAM/Public Relations/graphics/digital_music.png	demouser	2015-06-08 16:38:43	2022-04-09 11:55:33	38	10.88
/DemoDAM/Public Relations/graphics/web-template.psd	demouser	2016-04-29 21:27:36	2023-10-11 16:06:13	34	64.73
/DemoDAM/Public Relations/graphics/record_player.jpg	sys	2015-06-08 16:38:46	2019-06-27 10:12:44	26	10.97
/DemoDAM/Public Relations/graphics/sub_tropical_waterfall_dorrigoP7263636.jpg	admin	2015-06-08 16:38:44	2016-07-16 18:20:57	21	22.51
/DemoDAM/Public Relations/graphics/quarter_inch_jack.jpg	admin	2015-06-08 16:38:46	2016-07-22 18:20:57	20	3.97

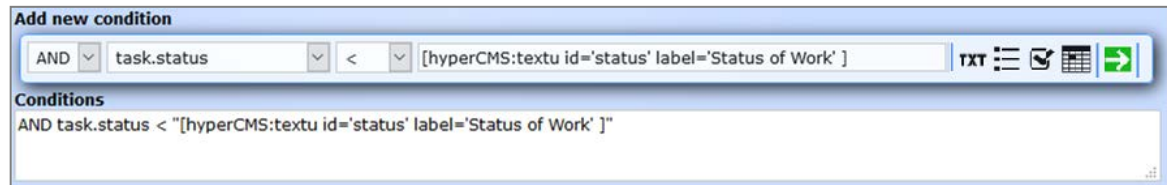
## Thumbnail gallery

If objects are part of the report, a thumbnail view of all objects is created. The objects can be opened by clicking on the preview image.



### 2.1.1 Adding user defined conditions

If you want to user to set certain values for the report, e.g. a filter for all tasks that didn't meet a certain percentage of work so far, you can use the icons for text, text-options, checkbox or date to allow the user to assign values to the conditions of a report. This procedure is the same as the hyperCMS tags used in templates. The variable %publication% can be used within the text options to provide the selection of publications of the logged-in user, using the list attribute:  
list='%publication%'



The screenshot shows a web interface for adding a new condition. At the top, it says "Add new condition". Below this, there is a row of input fields. The first field is a dropdown menu with "AND" selected. The second field is a text input containing "task.status". The third field is a dropdown menu with "<" selected. The fourth field is a text input containing "[hyperCMS:textu id='status' label='Status of Work' ]". To the right of these fields are several icons: "TXT", a list icon, a checkbox icon, a date icon, and a green arrow icon. Below the input fields, there is a section titled "Conditions" which displays the resulting condition: "AND task.status < "[hyperCMS:textu id='status' label='Status of Work' ]"".

### 2.1.2 Selecting and restructuring data from entity textnodes

A special case might be the selection of meta data of assets or any kind of content of pages or components.

All content is stored in the entity "textnodes". The "text\_id" represents the ID defined in the template and the "textcontent" provides the content itself.

In order to build a report based on the content of various fields/tags defined in a template you need to select the attributes of the entity by using a special statement.

If you want all content of the fields with text\_id equal to "Titel\_DE" in the second column and "Titel\_DE" in the third column you need to manually apply the CASE command, see example:

```
textnodes.id, (CASE WHEN text_id='Titel_DE' THEN textcontent END) AS Titel_DE,  
(CASE WHEN text_id='Titel_EN' THEN textcontent END) AS Titel_EN
```

It is important to use "Concat by" in order to summarize all values of one container in the same result row.



**Example SQL statement:**

```

SELECT
object.objectpath, textnodes.id,
(CASE WHEN textnodes.text_id='Titel_DE' THEN textnodes.textcontent END) AS
Titel_DE,
(CASE WHEN textnodes.text_id='Titel_EN' THEN textnodes.textcontent END) AS
Titel_EN
FROM
object, textnodes
WHERE
(object.id=textnodes.id) AND textnodes.textcontent != ""
AND (textnodes.text_id = "Titel_DE" OR textnodes.text_id = "Titel_EN")

```

**This will create the following result table with the titles in German and English:**

Export CSV			
	objectpath	id	Titel_DE
	%page%/hyperCMS/what-is/digital-asset-management.xhtml	15426	Digital Asset Management
	%page%/hyperCMS/index.xhtml	15188	Home
	%page%/hyperCMS/what-is/content-management.xhtml	15428	Content Management
	%page%/hyperCLOUD/success.xhtml	9610	Ihr Enterprise Account steht bereit
	%page%/hyperCLOUD/02_Pricing/index-Copy.xhtml	9860	Gestalten Sie den Preis anhand Ihrer individuellen Bedürfnisse
	%page%/hyperCLOUD/03_Register/test.xhtml	9680	Konfigurieren Sie Ihr Cloud Service
	%page%/hyperCMS/services/folder	15446	Services
	%page%/hyperCMS/company/about-us.xhtml	15452	Über uns
	%page%/hyperCMS/customers.xhtml	15480	Kunden
	%page%/hyperCLOUD/index.xhtml	9450	1 GB Speicherplatz kostenlos, 2 Wochen kostenlos testen ... Starten Sie jetzt
	%comp%/hyperCMS/Customers/TakafulEmarat.xhtml	6274	Takaful Emarat
	%comp%/hyperCMS/Customers/Schraubenfabrik.xhtml	6290	Schraubenfabrik - die Mutter der Coworking-Spaces in Wien
	%comp%/hyperCMS/Customers/Asli_Bayram.xhtml	6308	Asli Bayram
	%comp%/hyperCMS/Customers/Concordia1950.xhtml	6306	Concordia 1950
	%comp%/hyperCMS/Customers/SMSDataSystems.xhtml	6310	SMS Data Systems
	%comp%/hyperCMS/Customers/SelbstAktiv.xhtml	6314	selbst aktiv
	%comp%/hyperCMS/Boxes/MediaStreaming.xhtml	6218	Media Streaming
	%comp%/hyperCMS/Boxes/WAI.xhtml	6220	Barrierefreie Darstellung von Inhalten
	%comp%/hyperCMS/Customers/EuropeanComputerDrivingLicence.xhtml	6200	European Computer Driving Licence (Oesterreichische Computer Gesellschaft)
	%comp%/hyperCMS/Customers/Rochuspark.xhtml	6204	Rochuspark - UnternehmerInnenzentrum
	%comp%/hyperCMS/Boxes/ContactExpert.xhtml	6202	Experten kontaktieren
	%comp%/hyperCMS/Customers/Hutfabrik.xhtml	6206	Hutfabrik - UnternehmerInnenzentrum
	%comp%/hyperCMS/Customers/MenschTechnik.xhtml	6208	Mensch & Technik - Institut für innovative Arbeitsgestaltung
	%comp%/hyperCMS/Customers/Vereine-Cluster.xhtml	3105	Verein e-Cluster
	%comp%/hyperCMS/Customers/IFJ.xhtml	6212	IFJ Institut für Jungunternehmen
	%comp%/hyperCMS/Boxes/LiveDemo.xhtml	6216	Live Demonstration
	%comp%/hyperCMS/Customers/Kurier.xhtml	6214	Kurier

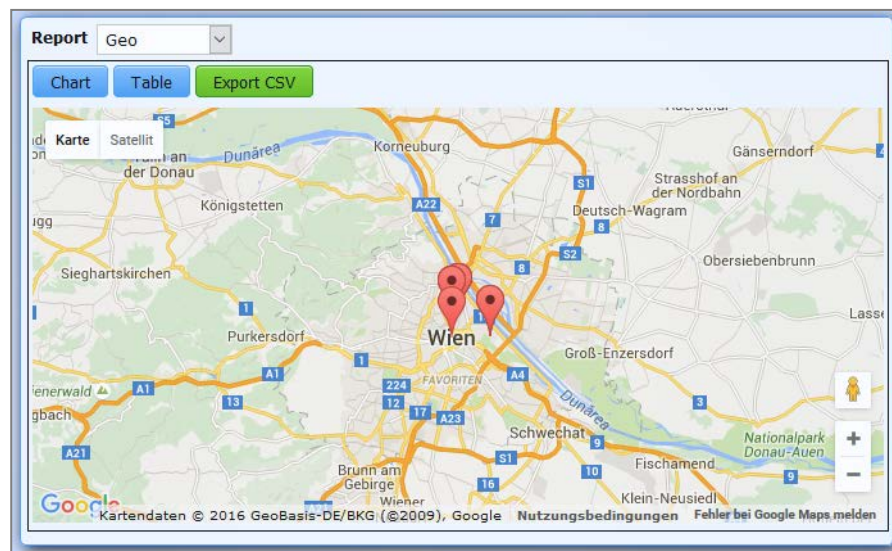
### 2.1.3 Integrating a report

You can integrate a report in any PlugIn you like using an iframe. This is the simplest method and requires only this code for integration:

```
<iframe src="http://yourdomain.com/hypercms/report/?reportname=myreport" style="width:100%; height:99%; border:0;"></iframe>
```

The report requires a valid user to be logged in.

There is a home box that will automatically integrate any existing report for the user to select. If you don't want this feature you need to remove the file "all\_reports.inc.php" from the hypercms/box directory.



### 2.1.4 Example SQL statements

#### Top 10 User by Up- or Download:

```
SELECT dailystat.user, SUM(dailystat.count) AS count
FROM dailystat
WHERE dailystat.activity = "[hyperCMS:textl id='Activity' label='Activity'
list='download|upload']"
GROUP BY dailystat.user
ORDER BY count DESC
LIMIT 10
```

#### Geolocation of Users by their Assets:

```
SELECT DATE(object.date) AS date, object.longitude, object.latitude, object.user
FROM object
WHERE object.longitude != "" AND object.latitude != "" AND object.objectpath LIKE
"%comp%/[hyperCMS:textl id='publication' label='Publication'
list='%publication%']/%"
GROUP BY object.latitude, object.user
ORDER BY date DESC
LIMIT 300
```

**Up-/Download-Statistics:**

```
SELECT dailystat.date, SUM(dailystat.count), (SUM(object.filesize)/1024) AS filesize
FROM dailystat, object
WHERE (dailystat.id=media.id) AND dailystat.activity = "[hyperCMS: textI id='activity'
label='Up/Download Activity' list='download|upload']"
GROUP BY dailystat.date
ORDER BY dailystat.date DESC
LIMIT 30
```

**Top Assets by Activity:**

```
SELECT object.objectpath AS Object, object.createdate AS Created, object.date AS
Edited, SUM(dailystat.count) AS Count, ROUND(SUM(object.filesize)/1024, 2) AS
"Size in MB"
FROM dailystat, object
WHERE object.objectpath LIKE "%comp%/[hyperCMS: textI id='publication'
label='Publication' list='%publication%']/%" AND dailystat.activity='[hyperCMS: textI
id='activity' label='Activity' list='download|upload|view']' AND dailystat.id=object.id
AND object.filetype="[hyperCMS: textI id='filetype' label='File type'
list='audio|document|image|video|compressed|binary|unknown']"
GROUP BY dailystat.id
ORDER BY count DESC
LIMIT [hyperCMS: textI id='results' label='Results' list='10|50|100']
```

## 2.2 Remove a report

Be sure that you no longer need a report before removing it.

To remove a report, click the second icon on the toolbar. After that, a select box appears in the workspace. Here you can select the report to be deleted and consult it again in the preview. To delete the item permanently you need to press the "OK" button.

## 2.3 Edit a report

To edit an existing report, click on the third icon and select the desired entry. The report appears in the editor and can now be edited. Any changes will be applied only after the Report has been saved.

## 3 Legal reference / flag

### 3.1 Questions and suggestions

For advanced questions and suggestions, please contact the support.

**hyperCMS Support:**

[www.hypercms.com](http://www.hypercms.com)

[support@hypercms.com](mailto:support@hypercms.com)

### 3.2 Imprint

Responsible for the content:

hyperCMS

Content Management Solutions GmbH

Rembrandtstr. 35/6

A-1020 Vienna – Austria

[office@hypercms.com](mailto:office@hypercms.com)

<http://www.hypercms.com>

### 3.3 Legal information

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

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

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