

contentWEB

Manual – version 5.2



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What is contentWEB?

contentWEB is a client application of contentACCESS, which is used for viewing items processed/archived by contentACCESS via a web browser. A user can access contentWEB using the following sample:

[http://\[contentWEB_Server_Name\]/contentWEB/](http://[contentWEB_Server_Name]/contentWEB/)

The only condition to access the archive with contentWEB is to have contentWEB access permissions that can be granted in contentACCESS Central Administration. For more information about how to grant access permissions please refer to the respective chapters of the contentACCESS Manual.

contentWEB is also accessible from all mobile devices. Pages fitting mobile device screen and simplified navigation contribute to ease of use. The searching, item listing, filtering, recovery and export functions of contentWEB make the work with these documents more comfortable and intuitive.

Main contentWEB functions:

- ✓ Quick and easy access of the processed emails/documents over the Internet;
- ✓ Easy access from mobile devices;
- ✓ Searching between the items according to their parameters (To, From, Subject, etc.)
- ✓ Searching in the content of the documents (using File Content Extractor plugin).
- ✓ Zero term search, quick search and advanced search.
- ✓ Easy item sorting and downloading options.
- ✓ Exporting into .pst and .zip format.
- ✓ Manual recovery of the archived items.
- ✓ Active/inactive document view in the File system archive.
- ✓ Document versions are accessible in the File archive.
- ✓ One-click login with external providers.
- ✓ Saving the last view of the logged in user.

Requirements

The hardware, software, other requirements and the web browsers supported by contentWEB will be detailed in the following subchapters of the guide.

Hardware requirements

Minimal	Recommended
Intel P4 2 GHz processor	Dual Xeon
2GB RAM	4GB RAM

Software requirements

- o Operating System (64bit): Windows 2012 R2 and higher;
- o Internet Information Services 7.0 and higher;
- o .NET Framework 4.8

The following prerequisites are needed if you would like to browse email archive in contentWEB:

- o MS Outlook 2010 x64, MS Outlook 2013 x64, MS Outlook 2016 x64 or MS Outlook

Note: Outlook binaries are needed, software does not have to be licensed or activated.

2019x64

Other requirements

- o Create SSL certificate for secure connection and apply in IIS for https bindings.

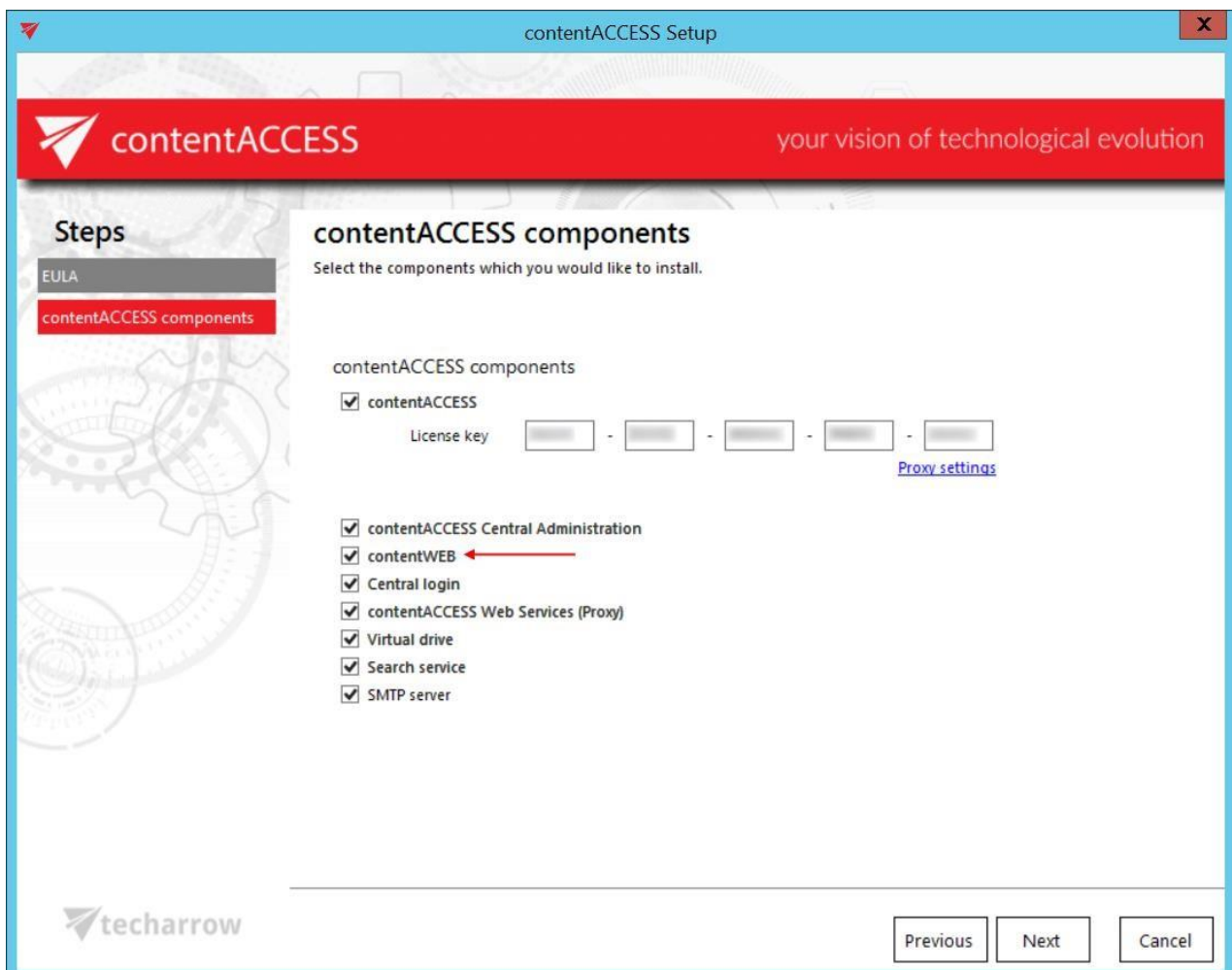
Supported browsers



- o Windows Internet Explorer 10 and higher;
- o Mozilla Firefox 12 and higher;
- o Apple Safari 5 and higher;
- o Google Chrome 18 and higher.

Installation

contentWEB can be installed as a contentACCESS component when running the contentACCESS installation package. Download and run the setup package and select “contentWEB” with checking the appropriate checkbox in the 2nd step of the installation process.



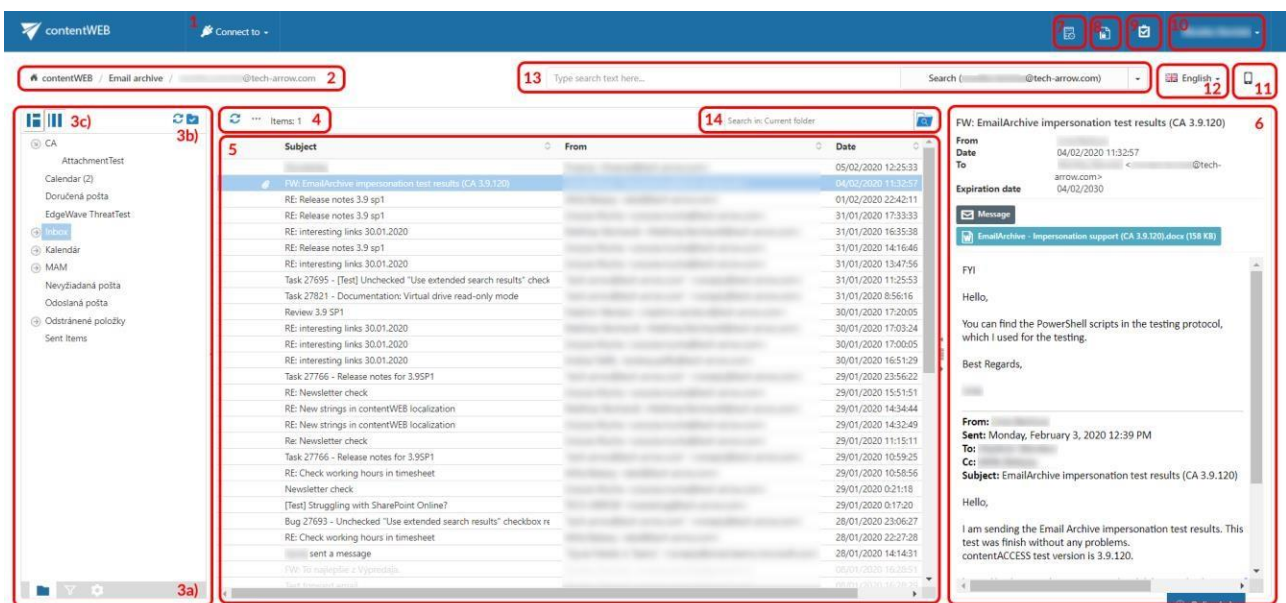
Logging into contentWEB

How to log in to contentWEB over the web browser? The user can log into the user interface using one of the supported web browsers. After browsing the contentWEB URL ([http://\[contentWEB_Server_Name /contentWEB/Login.aspx\]](http://[contentWEB_Server_Name /contentWEB/Login.aspx)), the central login window gets displayed. Users are asked to enter their name and password. Third party authentication providers can be also used for logging in (they must be configured in contentACCESS Central Administration). After logging in, the contentWEB archive interface opens.

Note: It is important to bear in mind that the end user must have contentWEB user permissions to log into the corresponding archive. These permissions can be granted in contentACCESS Central Administration.

contentWEB user interface

The contentWEB user interface is divided into the following sections:



- 1. "Connect to" menu:** From this menu the user may connect to the associated entities. An entity can be an email archive mailbox, file system archive folder etc., so anything processed/archived by a certain contentACCESS plugin type and displayed in this menu;
- 2. Breadcrumbs:** The logged on user may see here the entity that he is currently connected to in the "Connect to" menu;
- 3. contentWEB pane:** based on the selected button at the bottom of the pane (3a) the folder structure;



the active/inactive item filtering settings or double-click settings are displayed in the pane

a) **Folders** button: used to display the selected entity's folder structure in the navigation pane;

Active/inactive items button: active/inactive item view can be applied from here;

Settings button: the double click on item function may be applied from here;

b) **Folder selector buttons**: Here you can enable folder selection and then select/deselect the entire folder structure in the pane;

c) **Layout selector buttons**: Use this to adjust the reading pane to the right/left side;

4. **Toolbar buttons** – Refresh, Export to ZIP, Export to PST, Create report, Share item(s), Recovery, Delete, Legal hold (the processing options are dependent on the selected entity);

5. **Item list view with the corresponding item properties**;

Note: An item is a file/email from the list view that has been previously processed by the contentACCESS server;

6. **Item preview**;

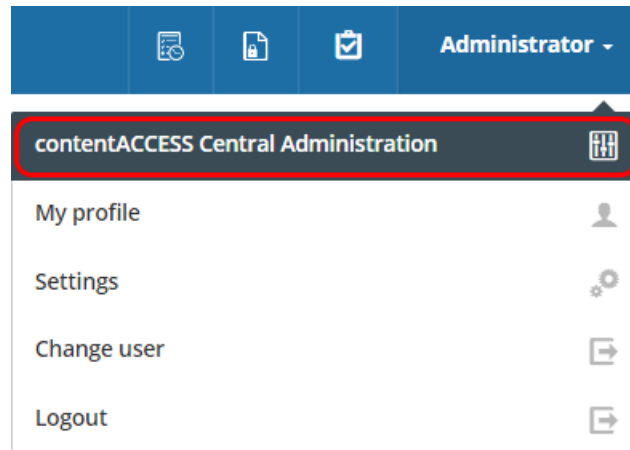
7. **Periodical search list** – here the user can find list of all available [Periodical search](#)

8. **Legal hold**: allows to create a Legal hold case, where documents can be put - these documents can't be deleted from the system until the case expires;

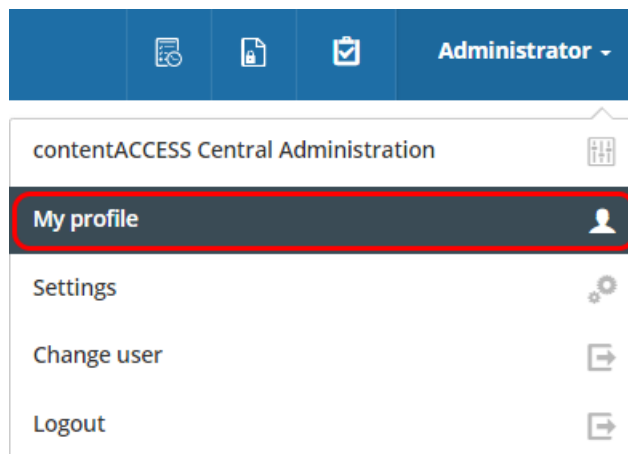
9. **Tasks list**;

10. **Administrator's settings** menu: Common settings and UI settings may be applied from the "Settings" menu item (available and visible **only for System administrators**); click "Logout" to log out from contentWEB

There is also the option, which allows to open the Central Administration directly if the user has access to it (like Tenant admin or System admin)



And the option to open the [User profile page](#).



11. **Switch to mobile version;**
12. **Language selection** menu: the user may select a language here;
13. **Fulltext search** and **Advanced search** menu;
14. **Simple search** textbox with selector for level of searching – Current folder, Current folder and sub-folders, Subfolders only;

This manual will fully describe the above mentioned sections of the contentWEB user interface and will provide the reader with information about how to handle the processed items.

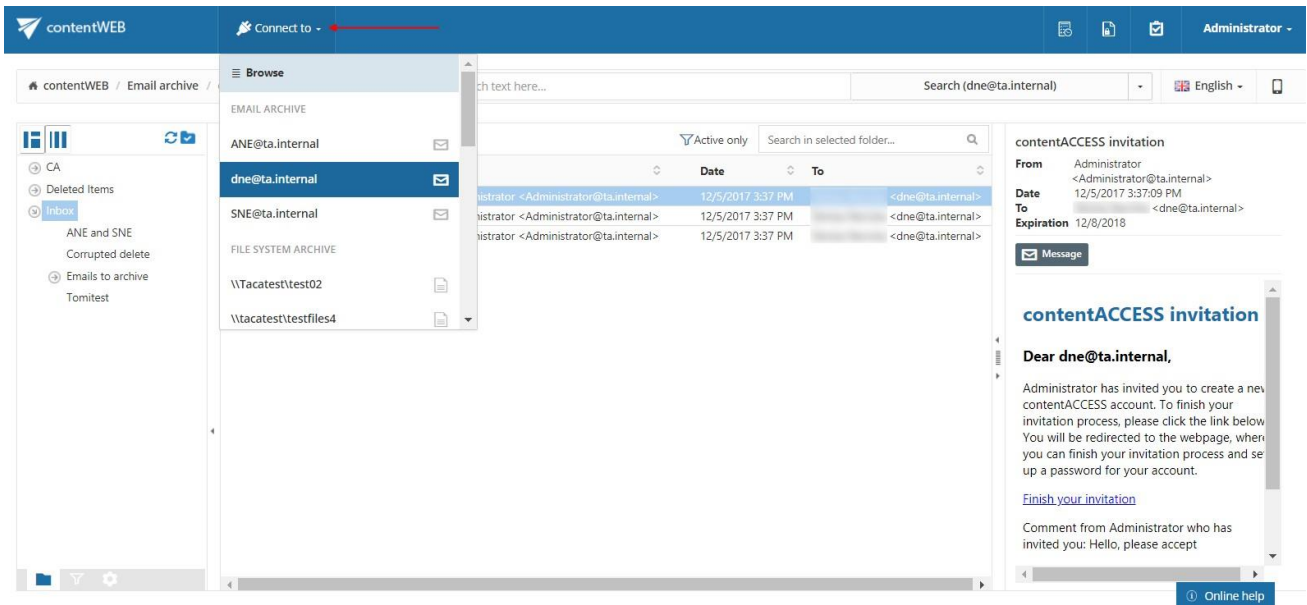
Definition of terms:

Item = a file, an email or a folder that is present in the contentWEB archive.

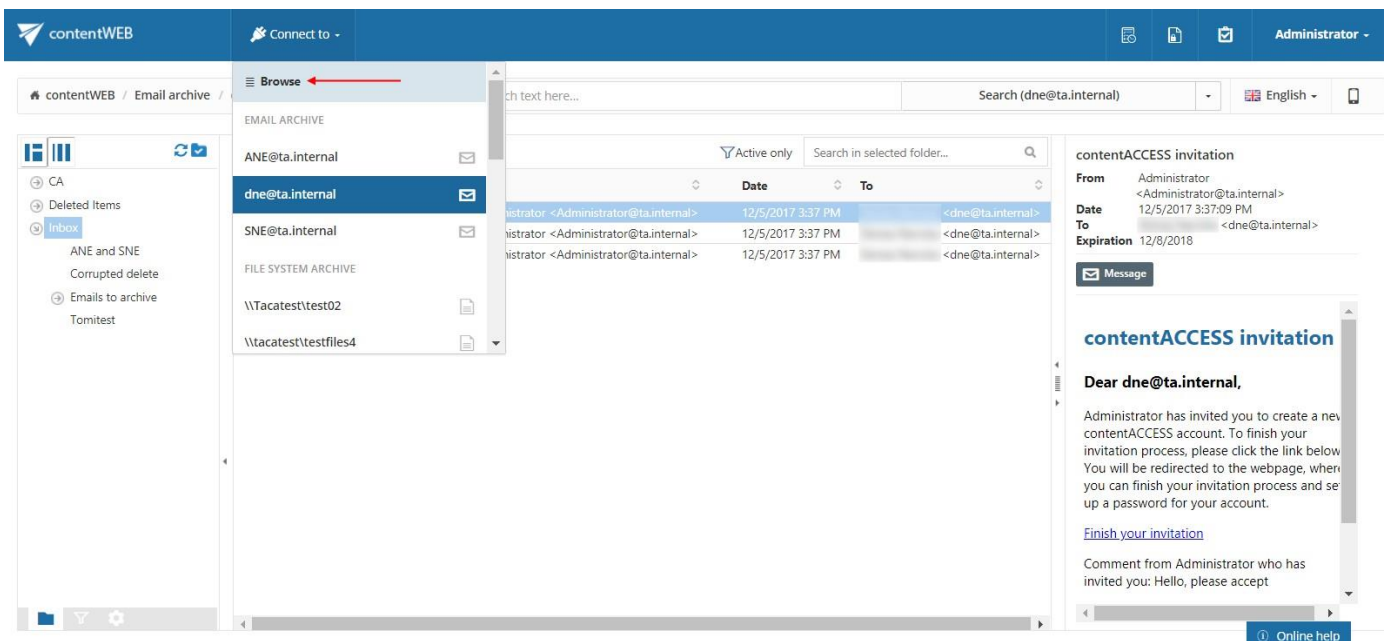
Entity = a mailbox (in case of Email archive), a root (in case of File system archive) ...; to connect to an entity select it in the "Connect to" menu

“Connect to” menu

In the left upper part of the header bar click on the “Connect to” menu to unfold the associated entities that you can connect to (to which an access permission is granted). Under **EMAIL ARCHIVE** the associated archived mailboxes can be seen; under **FILE SYSTEM ARCHIVE** the associated archived folders from the file system are visible etc.

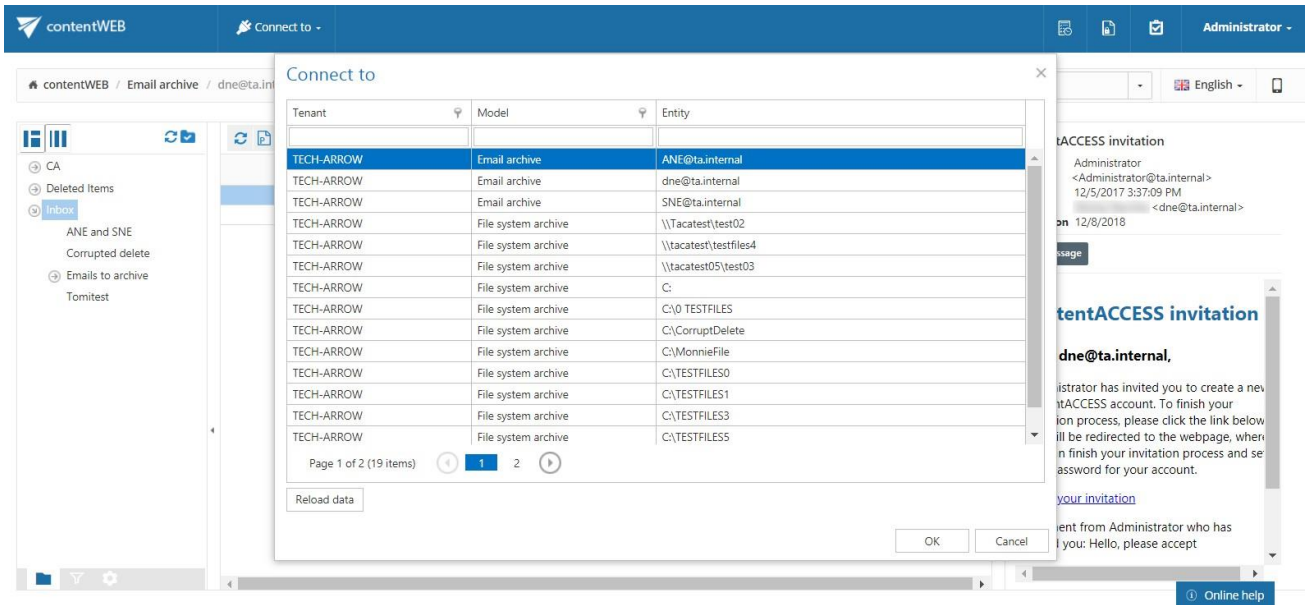


At the top is a **Browse** button. After clicking on it, a pop-up opens.





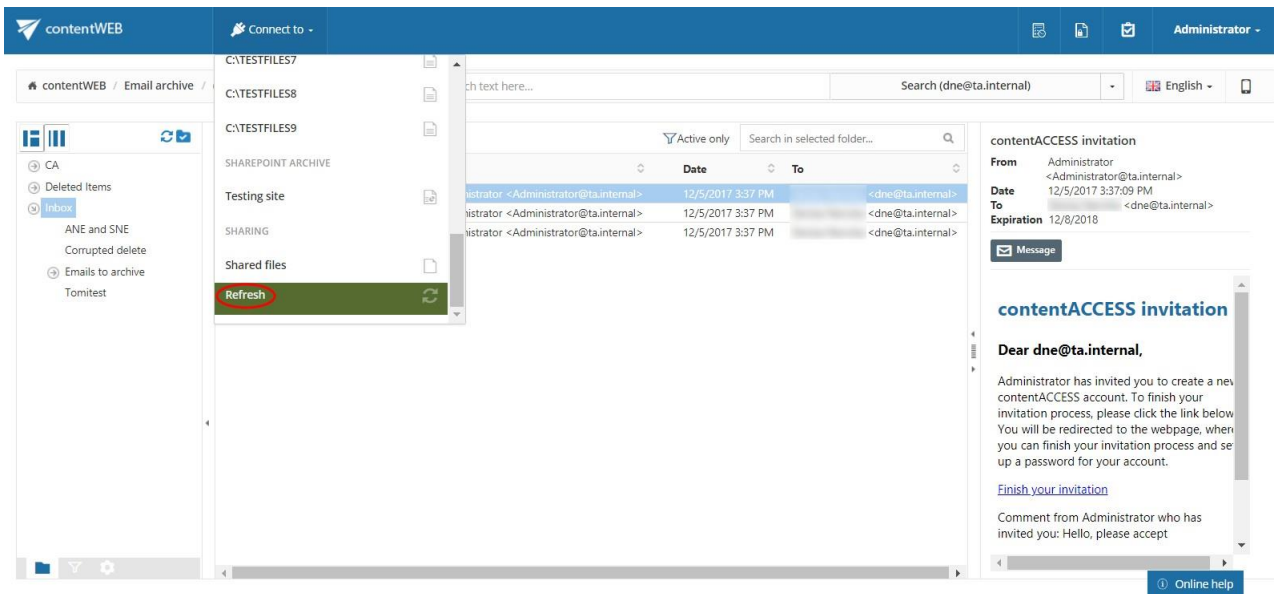
Here the user can browse the available entities. The grid allows to filter them by tenant and model type and it is also possible to search in them.



The user can select one entity and click OK or double click on an entity to connect to it.

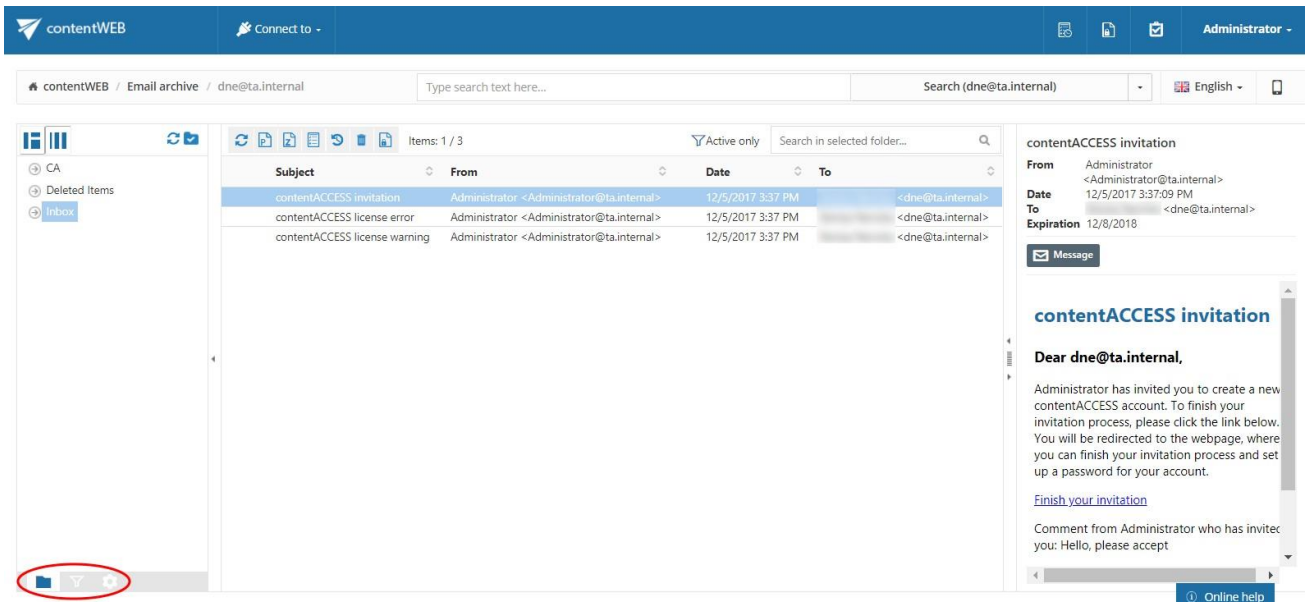
Note: Once you have connected to a desired entity, the corresponding breadcrumbs will be visible under the header bar of the contentWEB user interface.

At the bottom of the connection list is a **Refresh** button. This may be used if any newly processed items have not been displayed yet and the list should be refreshed.



contentWEB's navigation pane

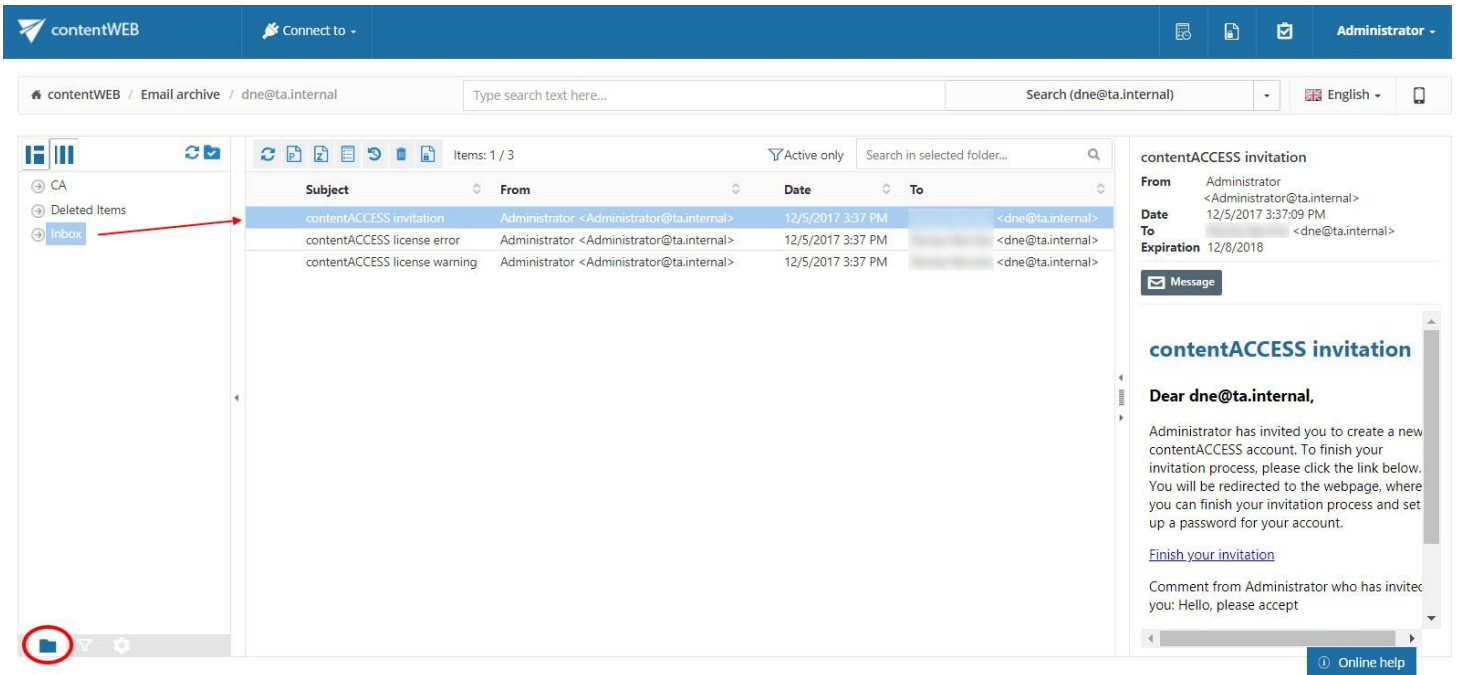
By default, the contentWEB pane displays the folder structure of the selected entity. By using the buttons at the bottom of the contentWEB pane, the user may switch between 2 views:



- a) **Folders** button: Displays the selected entity's folder structure in the navigation pane. To view the content of a desired entity in contentWEB, connect to it in the **Connect to** dropdown list first. Select the **Folders** button in the navigation pane and unfold the structure of the desired folder.

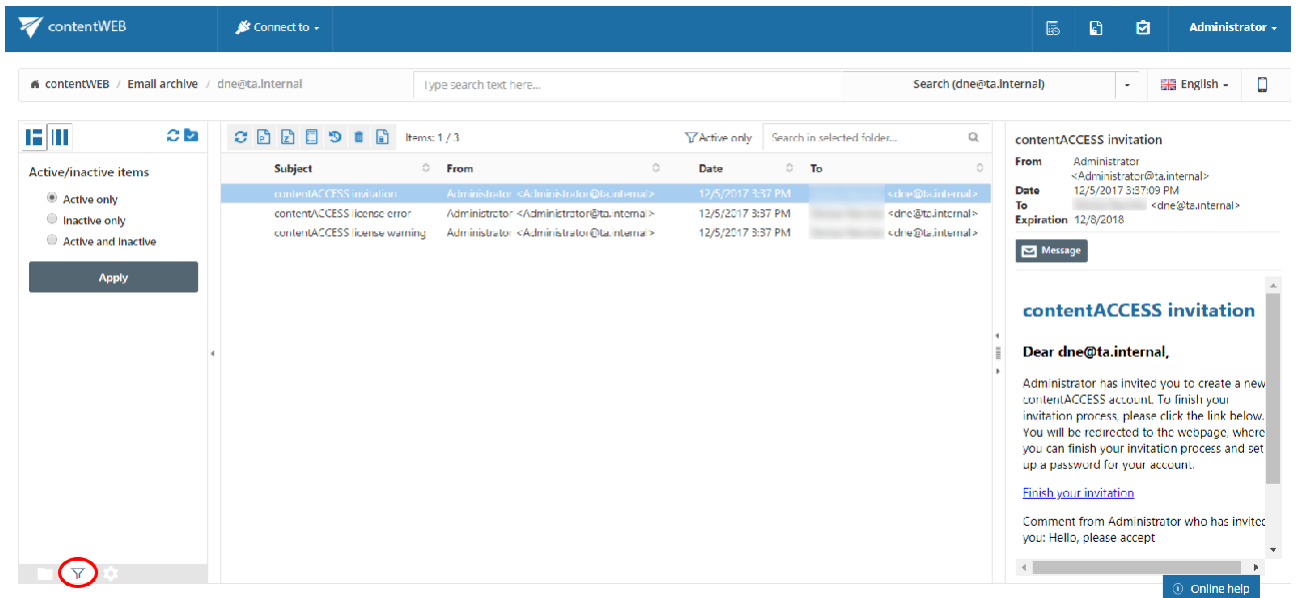


Click on the folder in the pane and the content of the selected folder will be displayed in the item list.

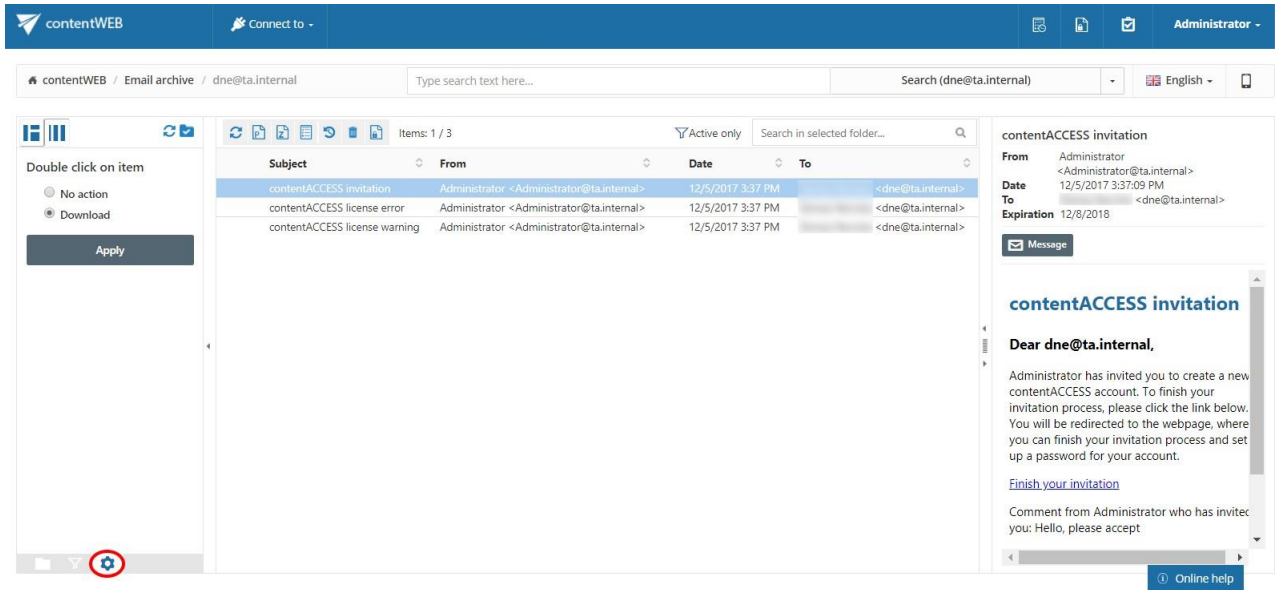


For more information about the folder selection types in the navigation pane refer to section [Folder selection methods](#) below.

- b) **Active/inactive items** button: Active/inactive item view can be applied from here. For more information check section [Filtering of active/inactive file system archive documents](#).



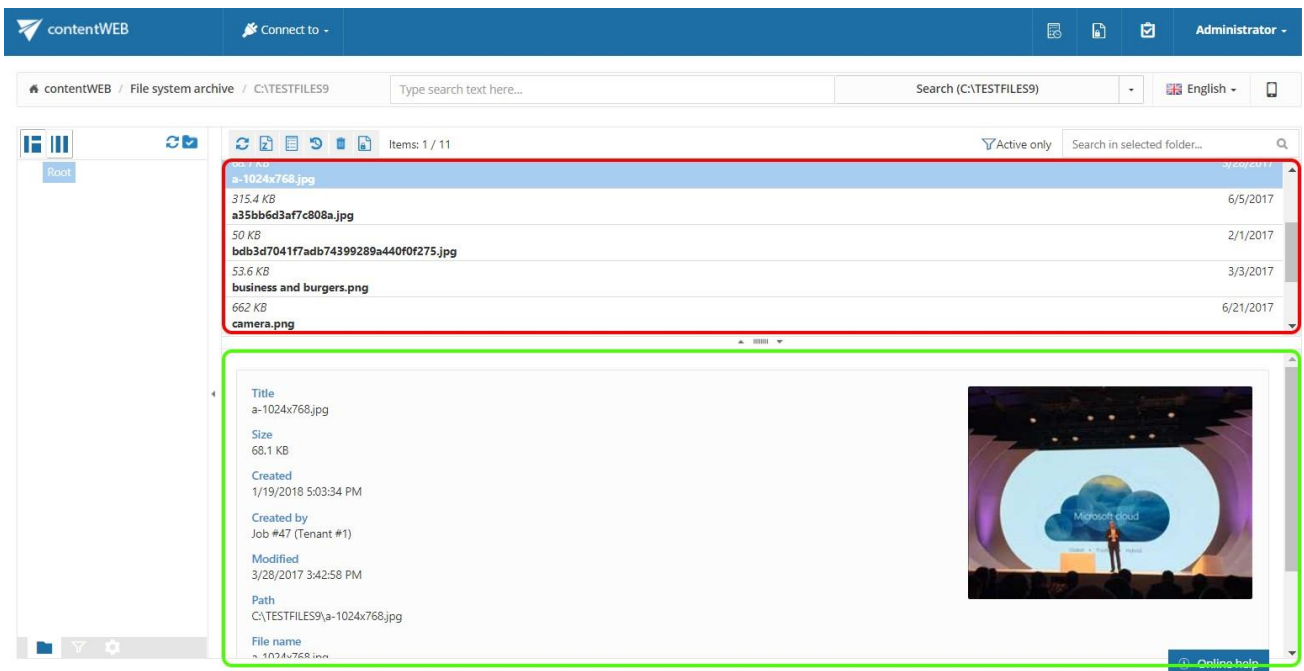
- c) **Settings** button: The double click on item function may be applied from here. For more information refer to section [Download from the item list/item preview in contentWEB](#).



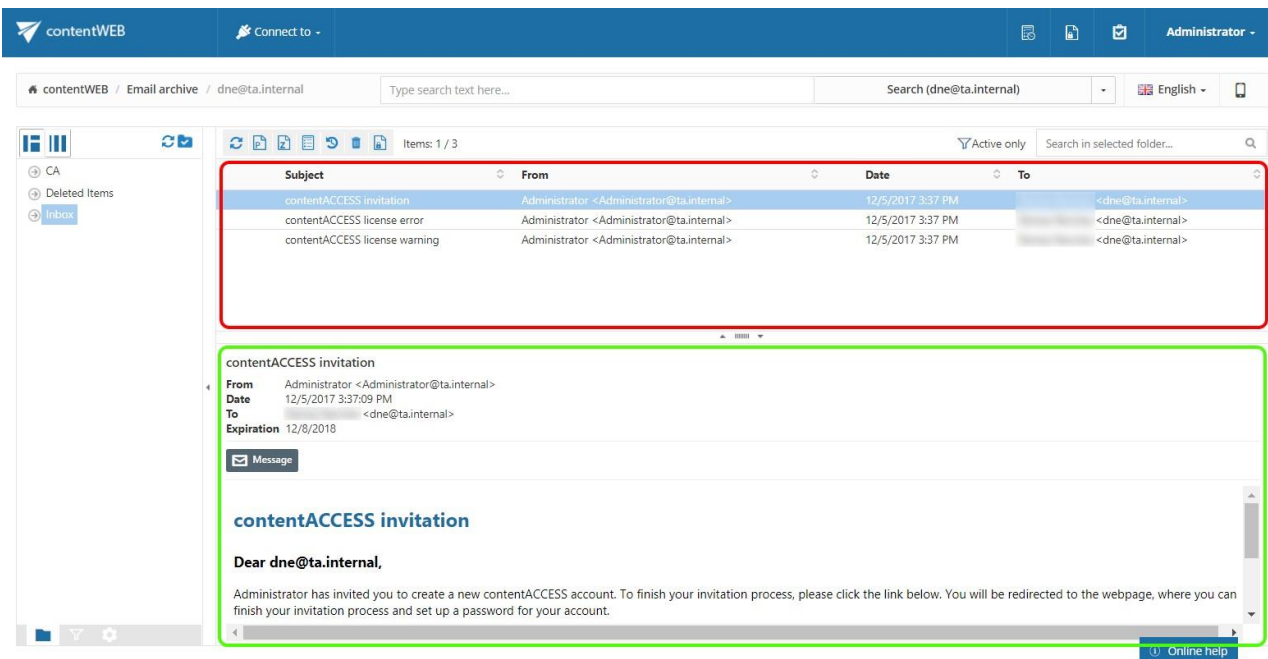
Item list and item preview

If a folder is selected in the navigation pane, its items are displayed in the list view. Each item has several columns. The available item columns are entity-specific, and the items can be sorted by these columns (red frame). The administrator may define in the **Settings** (will be described further in section [User interface settings](#)) which columns will be visible and which will be hidden.

The item preview (extended metadata information/the body of emails) gets displayed by selecting the particular item from the list view (green frame).

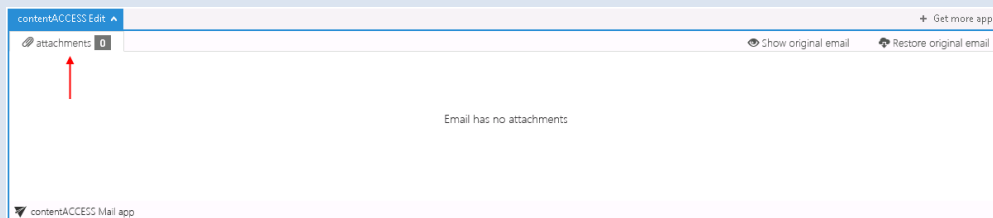


Files' item list and item preview



Emails' item list and item preview

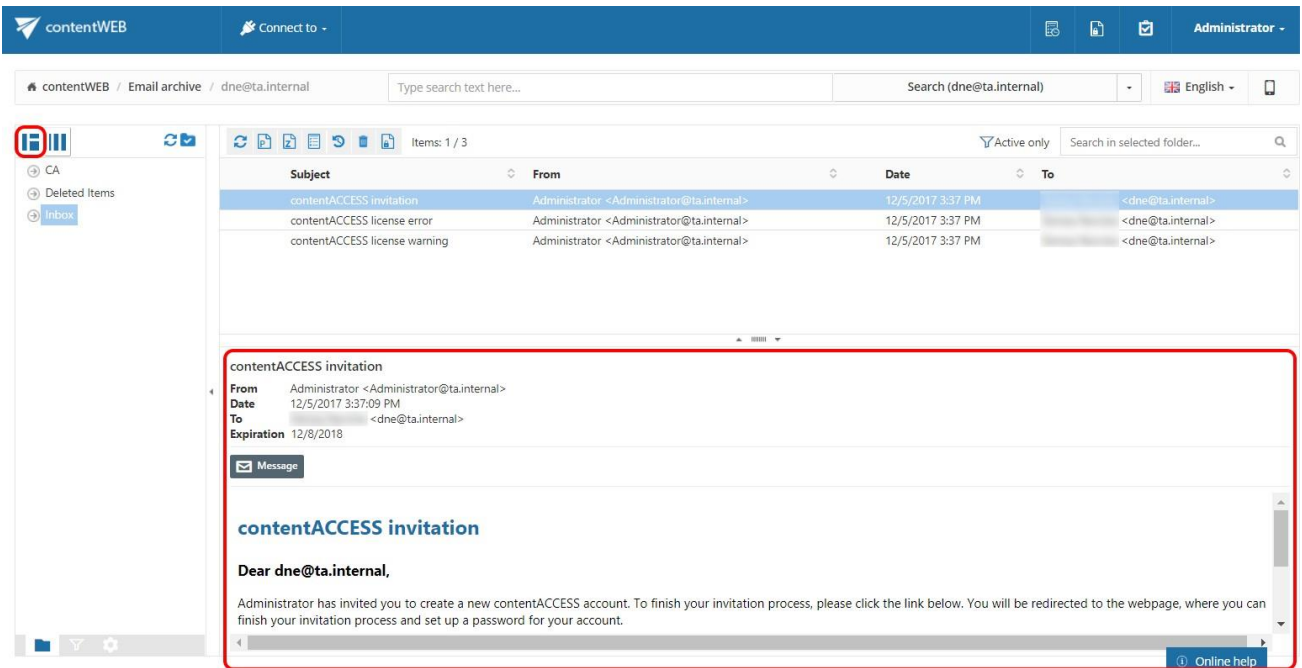
Note: The **Split attachments** option is active (checked) by default. That means that the body of the email and the attachment are stored separately. If the email message containing attachments has been archived by a job, where this option **was not checked**, our apps ([MailApp](#), [officeGATE](#), [contentACCESS Mobile](#)) will show 0 attachments. However, if you open the original email, the attachments are shown.



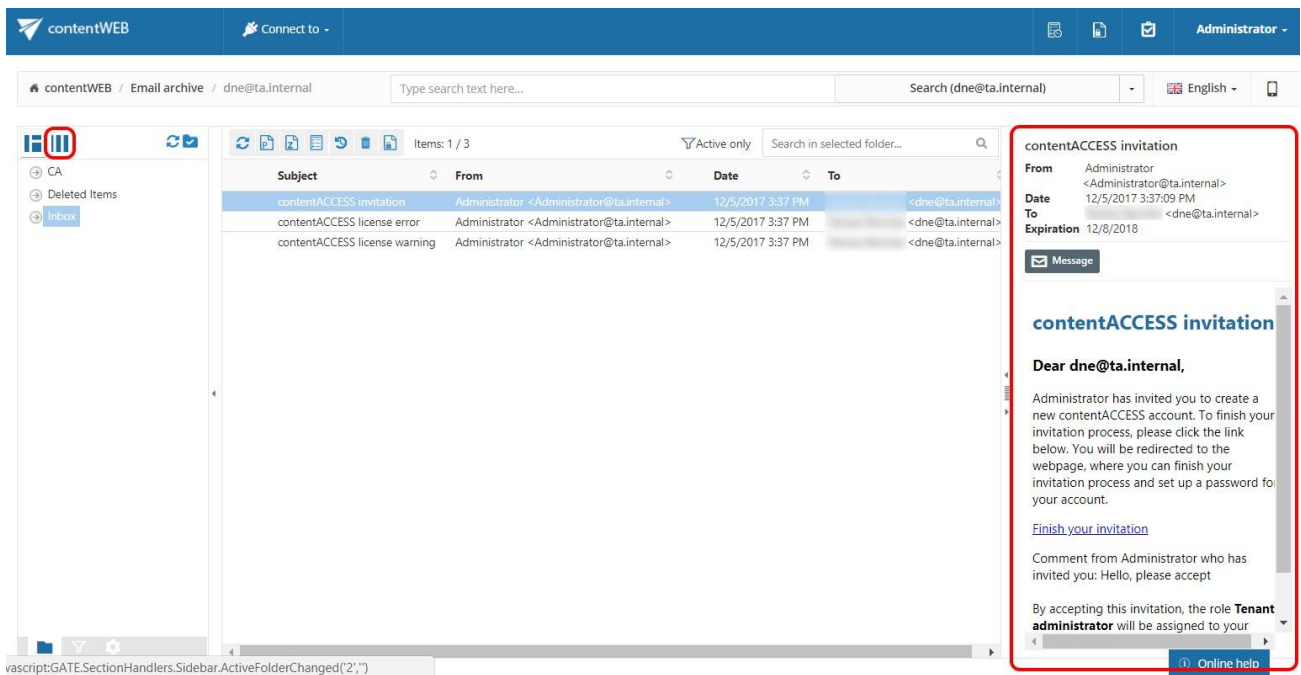
If this option **was checked**, but the email was containing embedded email (.msg attachment), this embedded email won't be displayed between the attachments in our apps.

Layout selector

From the layout selector menu (situated above the navigation pane on the left side) the user can choose from 2 kinds of layouts: the item preview can be situated either at the bottom of the view (Screenshot A), or on the right side of the view (Screenshot B). It depends on the user which option he prefers.



Screenshot A: Reading pane at the bottom of the view



Screenshot B: Reading pane at the right side of the view

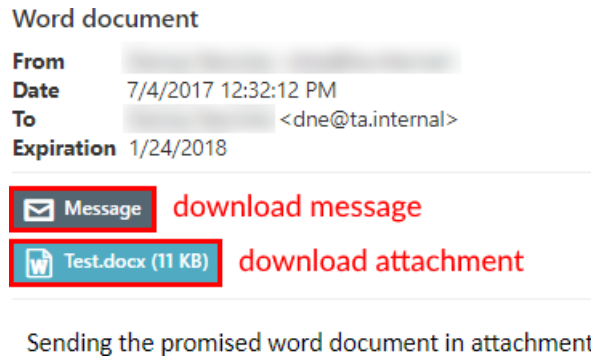
Download from the item list/item preview in contentWEB

There are two ways how to download the items in contentWEB:

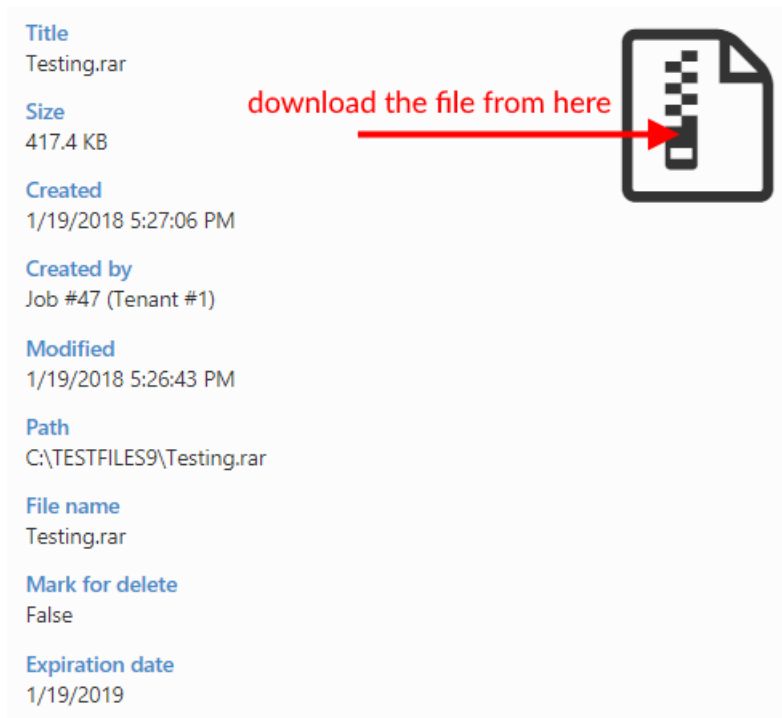
- a) First option is to click on the corresponding button in the item preview. The below displayed screenshots illustrate how it looks in the Email Archive (Screenshot A), and in the File System Archive (Screenshot B).



shot B):

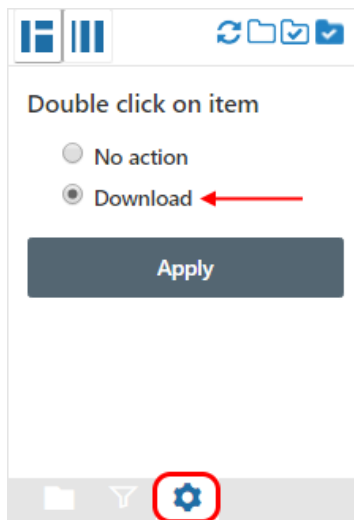


creenshot A: Downloading an archived email/email attachment from the item preview



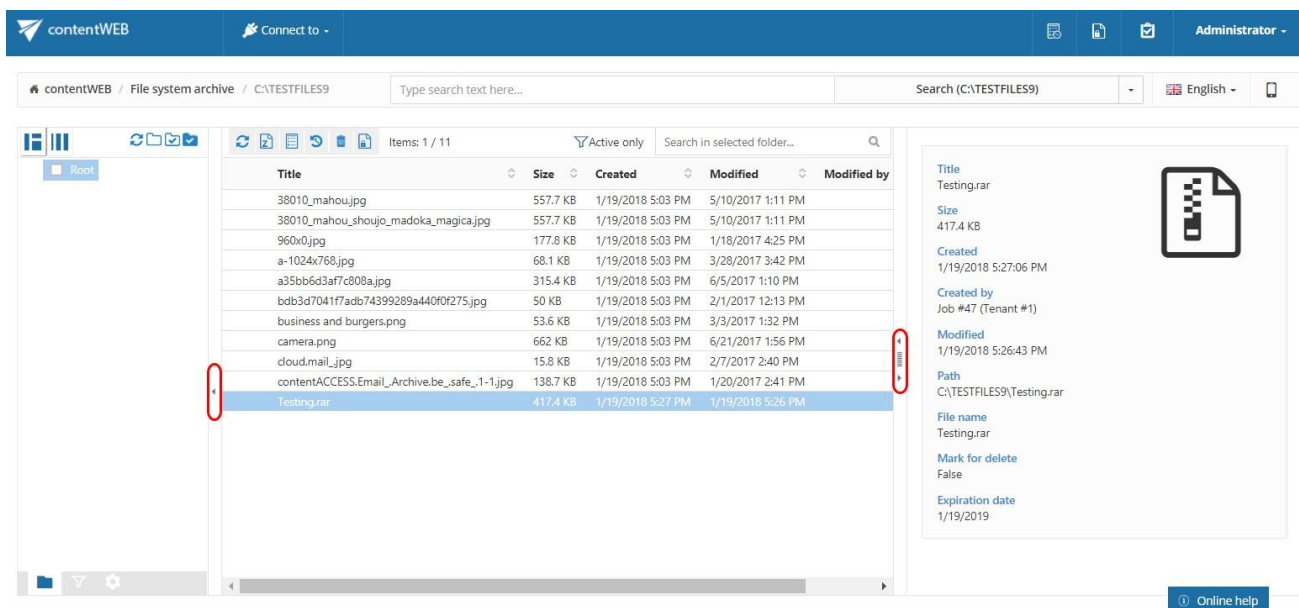
Screenshot B: Downloading an archived file from the item preview

- b) The second (and easier) method of downloading the contentWEB item is to double click on it in the item list. With this option the selected item will be opened in a new tab and the user can save it. This option is configurable. To be able the download with this method, the following settings must be done: at the bottom of the navigation pane click on the cog mark () and check the “Download” radio button. Then click “Apply”. To disable double click download again, check “No action” radio button and click “Apply”.



Hide/show function

The user interface is divided into 3-columns/sections. Any of these sections can be easily hidden with clicking on the small arrow marks () as shown on the picture below:



Sorting in contentWEB

The processed items can be sorted by the available item columns (displayed columns are configurable in the **UI settings**). With a click on the arrow sign () the user may sort them in the reverse order.

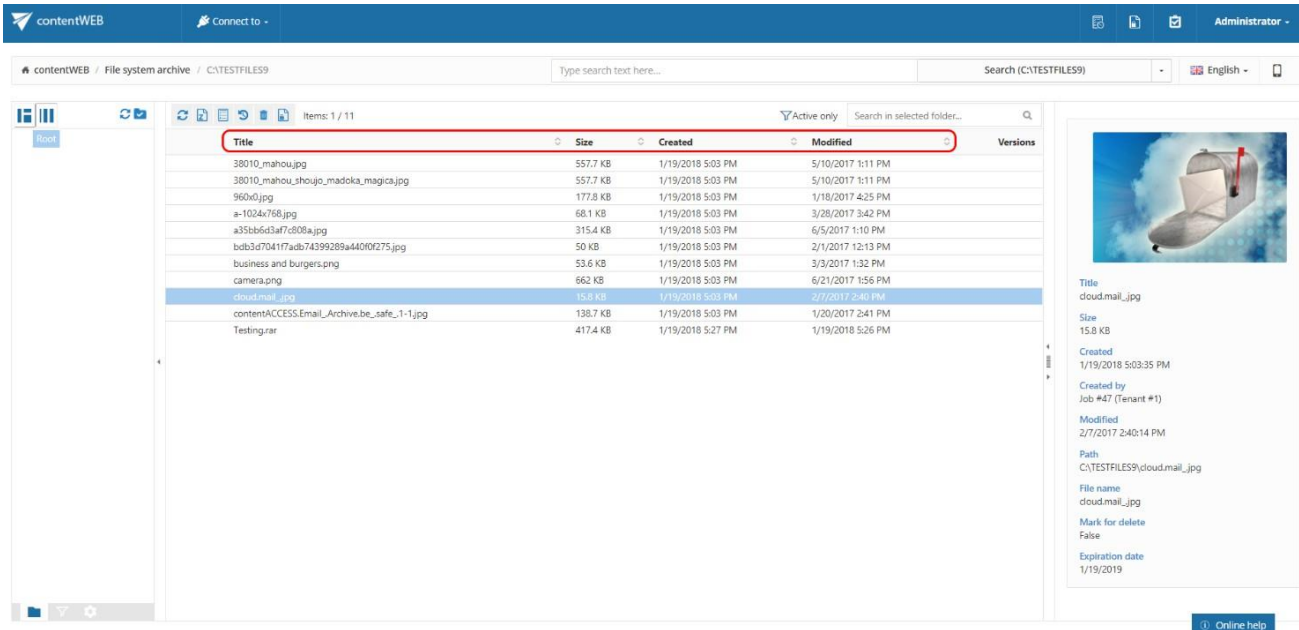
By default, the following columns are visible in File Archive system:

- ✓ **Title** – enables sorting according to file name;
- ✓ **Size** – enables sorting according to size;



- ✓ **Created** – enables sorting according to creation date;
- ✓ **Modified** – enables sorting according to modification date.

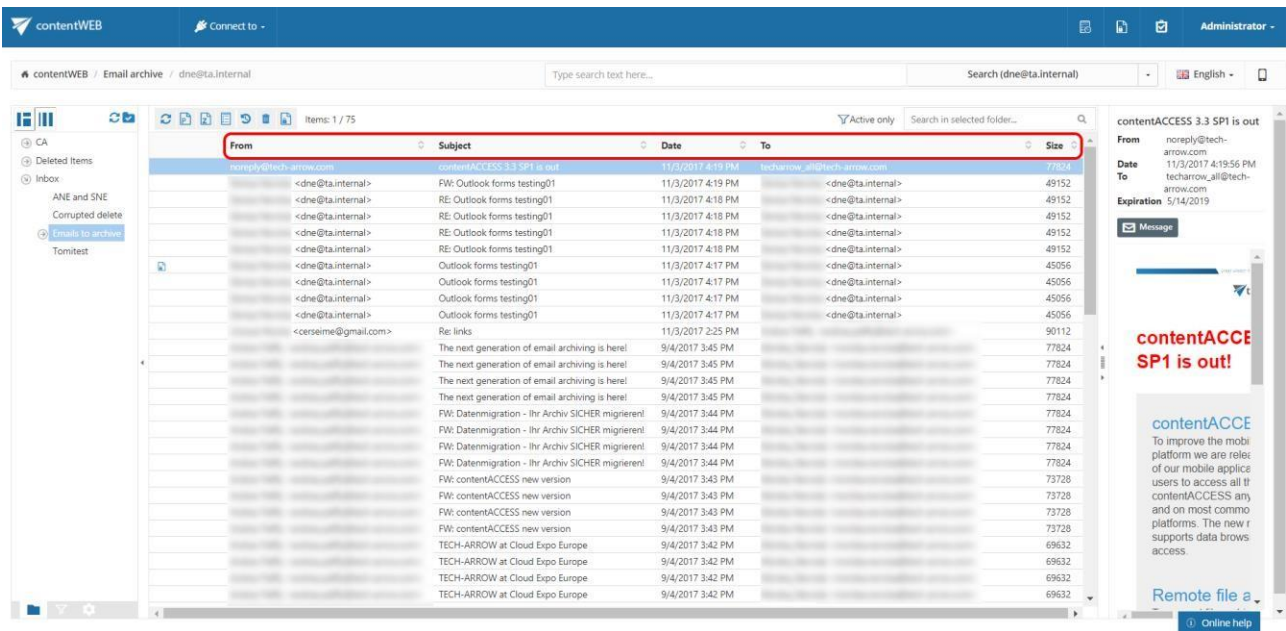
Note: The **Folders** column is available from the Advanced search view



By default, the following columns are visible in **Email Archive** system:

- ✓ **From** – enables sorting according to the sender;
- ✓ **Subject** – enables sorting according to the subject;
- ✓ **Date** – enables sorting according to the sent date;
- ✓ **To** – enables sorting according to the addressee;
- ✓ **Size** – enables sorting according to size.

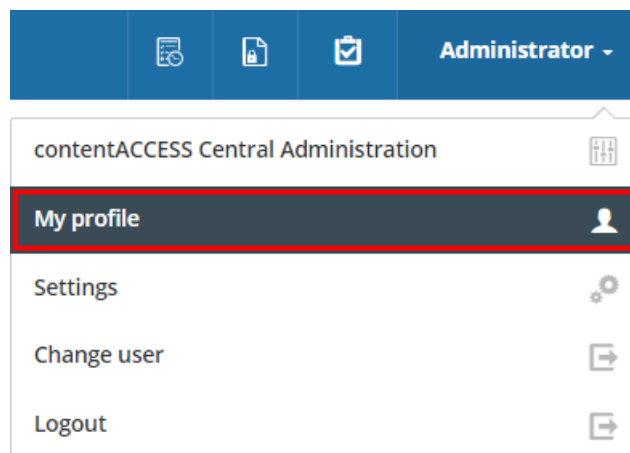
Note: The **Folders** column is available from the Advanced search view



On the **UI settings** page, the system administrator may choose which columns will be visible in the grid for the given model. It is also possible to rename the columns and set them to sortable/non-sortable in case of need. For more information about these settings refer to chapter [User interface settings](#) of this guide.

User profile page


The user profile page is directly accessible for end users from contentWEB.



On the page it is possible to see the name, display name, tenant, user logins and login sessions of the current user. There are options to change the display name and the password. The user can also log out using the **Logout** button in the upper right corner. To return back to contentWEB, click on the [Go to](#)

[contentWEB](#) under the list of login sessions.

User profile
Logout

 **Administrator**

User details:

Display name: Administrator [change](#)

Tenant: System

Password: [change](#)

User logins:

Provider	Username
Forms	system

Login sessions:

Login type	Login name	Last access date	Expiration	IP address	Device
Forms	system	1/31/2018 4:13:53 PM	1/31/2018 5:13:53 PM	fe80::cd8cbbd6:306e:8235%12	Platform: Desktop, Browser: Internet Explorer (11), OS: Windows

[Go to contentWEB](#)


Changing the display name

- click on the [change](#) next to the Display name of the user


Display name: Administrator [change](#)

Tenant: System

Password: [change](#)



- type in the desired name and click on the Save button

 **Administrator**

Display name*:


Changing the password

- click on the [change](#) next to the Password

Display name: Administrator [change](#)

Tenant: System

Password: [change](#)



- type in the current password, the desired password and another time the desired password to confirm it (the new and confirm must match), then click on the Change button. The **Password strength** bar changes depending on the new password length, minimum character count is 8.



Change password

Current password*:

New password*:

Password strength **Too short**

Confirm password*:

Change password

Current password*:

New password*:

Password strength **Weak**

Confirm password*:

Change password

Current password*:

New password*:

Password strength **Fair**

Confirm password*:

Change password

Current password*:

New password*:

Password strength **Good**

Confirm password*:



Change password

Current password*:

New password*:

Password strength Strong

Confirm password*:

- if your password was successfully changed, a green notification bar will appear

Change password

Current password*:

New password*:

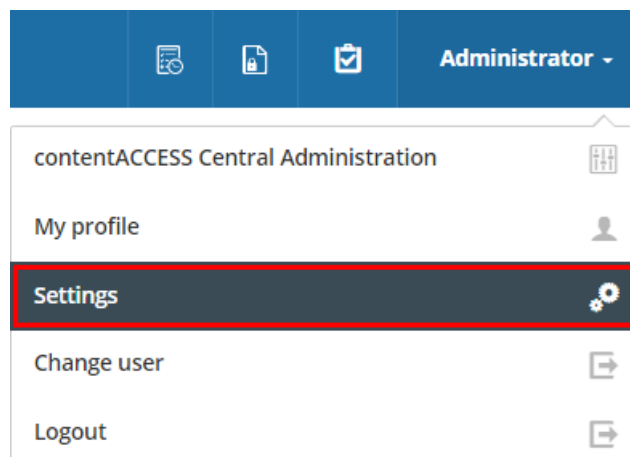
Password strength Strong

Confirm password*:

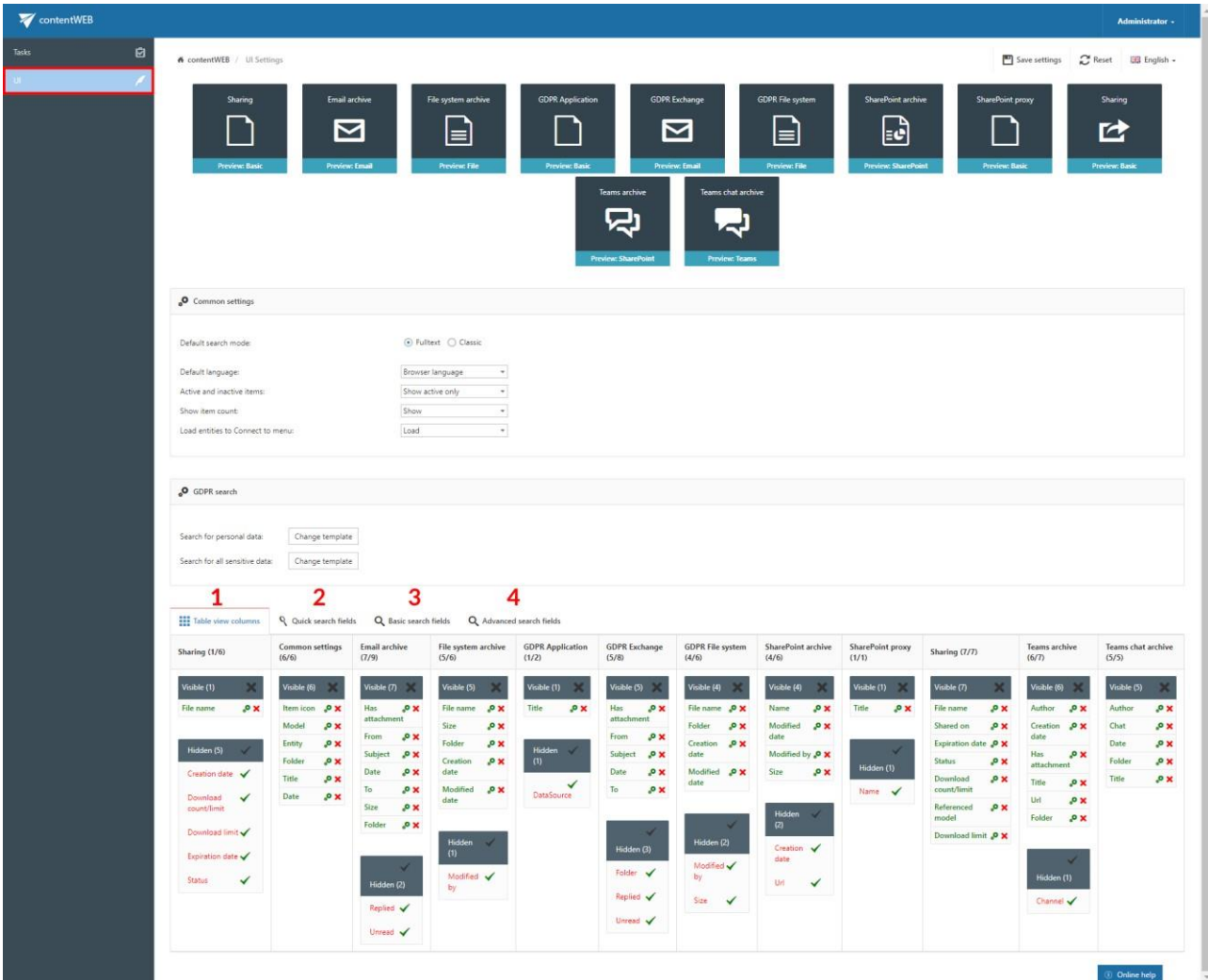
Password successfully changed!

User interface settings

contentWEB's user interface settings are available on the **UI Settings** page. The page can be opened with clicking on the **Settings** menu item ...



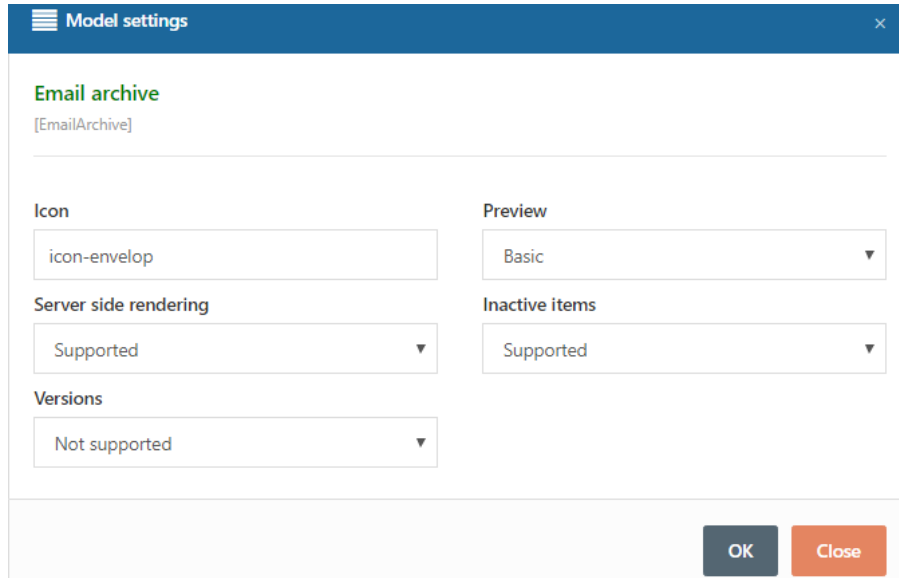
... and switching to **UI** in the left pane of the settings page.



The **UI Settings** page features the following configuration options:

Model settings

Display settings of the available models can be changed by clicking on the respective window.



Screenshot: Email archive model settings

Common settings – in this section setting that are common for all entities can be set:

- **Default search mode**

The admin can specify what search mode will be used by default when a user searches in multiple models which support both full-text and legacy search. There are two options for this setting: Full- Text or Classic.

- **Default language**

The admin can set the default contentWEB language for the users. If the Browser language is selected and contentWEB supports that language (has a translation), it will use the users browser language. If contentWEB doesn't support it, then English will be used as default.

- **Active and inactive items**

The admin can set which items should be visible by default for the users. There are three options:

- Show active only
- Show inactive only
- Show all

- **Show item count**

The administrator can choose if the item count of folders will be displayed or not. If the administrator chooses not to display it, the system won't have to query the item count from a folder.



- **Load entities to Connect to menu**

If the administrator chooses not to load the entities, the user will be redirected directly to the **Browse menu** after clicking on the **Connect to menu**.

GDPR search

Here it is possible to change the predefined patterns that are used by [GDPR search](#).

Table view column configurations (1) – allows to set which columns will be displayed in the grid (in standard view and advanced search view)

Quick search fields (2) - quick search criteria may be enabled/disabled here

Basic search fields (3) – basic search criteria may be enabled/disabled here

Advanced search fields (4) – advanced search criteria may be enabled/disabled here

The default **UI Settings** table may be reset easily via the Reset button located at the top of the page.

If some changes are made, they need to be saved using the **Save settings** button in the upper right corner. If the user has made some changes without saving, he will be notified when leaving the page.

Quick, basic and advanced search field settings are described in more details in chapter [Editing Quick, Basic and Advanced search criteria](#) of this guide. Now only the Table view column configurations will be described.

Table view column configurations

Table view column configurations allow to set which columns will be displayed in the item's grid.

- **Hiding/Unhiding columns**

Visible columns may be hidden for a model (e.g. Email archive model) by clicking on the cross mark (✖) in the table of **Visible** columns. Clicking the checkmark (✓) in the Hidden column makes it work the opposite way. Columns that were set to Visible/Hidden are shifted to the appropriate column in the grid.

- **Column settings**

Column settings can be edited with clicking on the cog mark located next to the given column

name

(e.g. "From" as on the picture below).

Note: Only the visible column's settings can be edited.

Sharing (4/5)	Common settings (6/6)	Email archive (6/8)	File system archive (5/6)	SharePoint archive (4/6)	Teams archive (6/7)	Teams chat archive (4/4)
<p>Visible (4) ✕</p> <ul style="list-style-type: none"> File Name ✓✕ Expiration date ✓✕ Download limit ✓✕ Download count /limit ✓✕ <p>Hidden (3) ✓</p> <ul style="list-style-type: none"> Creation Date ✓ Download Limit ✓ Expiration Date ✓ 	<p>Visible (6) ✕</p> <ul style="list-style-type: none"> Item Icon ✓✕ Model ✓✕ Entity Name ✓✕ Folder ✓✕ Title ✓✕ Date ✓✕ 	<p>Visible (6) ✕</p> <ul style="list-style-type: none"> Has Attachment ✓✕ From ✓✕ Subject ✓✕ Date ✓✕ To ✓✕ Size ✓✕ <p>Hidden (3) ✓</p> <ul style="list-style-type: none"> Folder ✓ Is Reply ✓ Unread ✓ 	<p>Visible (5) ✕</p> <ul style="list-style-type: none"> File Name ✓✕ Size ✓✕ Folder ✓✕ Creation Date ✓✕ Modified Date ✓✕ <p>Hidden (1) ✓</p> <ul style="list-style-type: none"> Modified By ✓ 	<p>Visible (4) ✕</p> <ul style="list-style-type: none"> Name ✓✕ Modified Date ✓✕ Modified By ✓✕ Size ✓✕ <p>Hidden (2) ✓</p> <ul style="list-style-type: none"> Creation Date ✓ Url ✓ 	<p>Visible (6) ✕</p> <ul style="list-style-type: none"> Author ✓✕ Creation date ✓✕ Folder ✓✕ Has attachment ✓✕ Title ✓✕ Url ✓✕ <p>Hidden (1) ✓</p> <ul style="list-style-type: none"> Channel ✓ 	<p>Visible (4) ✕</p> <ul style="list-style-type: none"> Author ✓✕ Chat ✓✕ Date ✓✕ Title ✓✕

By clicking on the cog mark, the settings dialog of the selected column opens.

Column settings ✕

From
[String]

Field name: **Title:**

Format:

Sortable: (YES, NO)

Visibility: (Always, Standard view only, Advanced search view only)

It is possible to configure the following values in this dialog:



1. **Title** – allows to change the title of the column in the grid (e.g. *Sender* as on the screenshots)

Items: 1 / 3 Active only Search in selected folder...

From before configuration	Subject	Date	To	Size
Administrator <Administrator@ta.internal>	contentACCESS invitation	12/5/2017 3:37 PM	<dne@ta.internal>	49152
Administrator <Administrator@ta.internal>	contentACCESS license error	12/5/2017 3:37 PM	<dne@ta.internal>	45056
Administrator <Administrator@ta.internal>	contentACCESS license warning	12/5/2017 3:37 PM	<dne@ta.internal>	45056

Items: 1 / 3 Active only Search in selected folder...

Sender after configuration	Subject	Date	To	Size
Administrator <Administrator@ta.internal>	contentACCESS invitation	12/5/2017 3:37 PM	<dne@ta.internal>	49152
Administrator <Administrator@ta.internal>	contentACCESS license error	12/5/2017 3:37 PM	<dne@ta.internal>	45056
Administrator <Administrator@ta.internal>	contentACCESS license warning	12/5/2017 3:37 PM	<dne@ta.internal>	45056

2. **Visibility** – allows to set in which views will be the given column available; in standard view, in advanced search view or always

Items: 1 / 3 visible column Active only Search in selected folder...

From	Subject	Date	To	Size
Administrator <Administrator@ta.internal>	contentACCESS invitation	12/5/2017 3:37 PM	<dne@ta.internal>	49152
Administrator <Administrator@ta.internal>	contentACCESS license error	12/5/2017 3:37 PM	<dne@ta.internal>	45056
Administrator <Administrator@ta.internal>	contentACCESS license warning	12/5/2017 3:37 PM	<dne@ta.internal>	45056

Items: 1 / 3 "Date" column is hidden Active only Search in selected folder...

From	Subject	To	Size
Administrator <Administrator@ta.internal>	contentACCESS invitation	<dne@ta.internal>	49152
Administrator <Administrator@ta.internal>	contentACCESS license error	<dne@ta.internal>	45056
Administrator <Administrator@ta.internal>	contentACCESS license warning	<dne@ta.internal>	45056

Note: By default, the “From” and “Date” columns are turned on in the Advanced search view only.

3. **Sortable**- allows to set if the items will be sortable based on this column

Items: 1 / 3 sorting by this column is disabled Active only Search in selected folder...

From	Subject	Date	To	Size
Administrator <Administrator@ta.internal>	contentACCESS invitation	12/5/2017 3:37 PM	<dne@ta.internal>	49152
Administrator <Administrator@ta.internal>	contentACCESS license error	12/5/2017 3:37 PM	<dne@ta.internal>	45056
Administrator <Administrator@ta.internal>	contentACCESS license warning	12/5/2017 3:37 PM	<dne@ta.internal>	45056



Search functions in contentWEB: "Connect to search", quick search, advanced search, GDPR search

The following chapters will describe how to use the search functions that are available in contentWEB.

Search query language

The search query language is used to specify conditions on documents which have to be returned as result when searching the archive.

All search conditions can be negated using the **NOT** keyword. The keyword is **case sensitive**, so it must be **always written in UPPERCASE**. The **exclamation mark "!"** is a shorter version of the NOT keyword and has the exact same function. The syntax may look like as follows:

For freetext search:

- NOT value
- !value

For property search:

- Subject:(NOT test)
- Subject:(!test)

You can also combine the NOT operator with:

- **phrase queries:** NOT "this is a test"
- **regex queries:** filename:(NOT **[0-9]{3}.txt)
- **wildcard queries:** NOT test*
- **range queries:** Size:(NOT 1M,2M) OR Date:(NOT 2020-01-01,2020-12-31)

The search query language used in any user interface of contentACCESS can be divided into following categories:

Source specification

The searching user can specify where to search on different levels: tenant, model, entity

Tenant:(string) - select a tenant by name; search in tenants having the specified string in name



MTID:(string) – select a model by type identifier (EmailArchive, FileSystemArchive, SharePointArchive, TeamsArchive, TeamsChatArchive)

Source:(string) – select a model by keyword; search in models having the specified string as a keyword (email, file, sharepoint). This is similar as the MTID mentioned, but accepts more free model specification. Possible values are:

- For FileSystemArchive: archive, file, fs, filesystem
- For EmailArchive: archive, email, mail, mailarchive, emailarchive
- For SharePointArchive: archive, sharepoint, sharepointarchive, sp
- For TeamsArchive: archive, teams, teamsarchive, tea
- For TeamsChatArchive: archive, teams, chat, teamschat, teamschatarchive, tca

Examples:

- source:file
- source:mail

Entity:(string) - select one or more entities by name; search in entities having the specified string in name. Entity name is mailbox address in Email archive and Root folder path in File system archive.

Examples:

- entity:john.smith@tech-arrow.com – search in John Smith’s mailbox
- entity:c:\temp – search in c:\temp folder

Property value specification

The following properties can be used to specify conditions on documents to be returned as result when searching the archive:

Date

Applicable only for properties of “date” type. Exact date specification has to be in format YYYY-MM-DD (no hours, minutes, seconds can be specified).

Example:



- `date:(2016-12-05)` (year-month-day; searches for items only from that specified day, in this case 5th of December 2016)
- `date:(2016-12)` (year-month; searches only for items from that specified month, in this case December 2016)
- `date:(2016)` (year; searches for items from whole year 2016)

Date intervals can be specified too, for example:

- `date:(>2016-12)` (searches for items younger than from December 2016)
- `date:(<2019-11-10)` (searches from items older than from 10th of November 2019)
- `date:(2017-10, 2017-12)` (searches for items created from October 2017 to December 2017)

Available placeholders: `now` – means this hour; `today`, `yesterday`, `this week`, `last week`, `this month`, `last month`, `this year`, `last year`

Example:

- `date:(now)`, `date:(last week)`

Number

Numbers are written as usually (1, 2, 3...). For the size conditions also units can be specified:

K | **KB** – size in kilobytes

M | **MB** – size in megabytes

G | **GB** – size in gigabytes **T** | **TB** – size in terabytes

Example:

- `size:(>1K)` – files or emails (depending on the archive) larger than 1 KB

Range

Two types of ranges can be specified: numerical and date ranges. Ranges can be upper bound, lower



bound or an interval. A range can be specified as a value for all properties of type "date" and "number".

Prop:(>value) – the value of property "Prop" is greater than "value"

Prop:(<value) – the value of property "Prop" is less than "value"

Prop:(value1, value2) – the value of property "Prop" is greater than "value1" and less than "value2"

Examples:

- **size:(1K, 1M)** – files/emails (depending on the archive) larger than 1KB and smaller than 1MB
- **date:(2016-10, 2016-12)** – files created/modified or emails sent (depending on the archive) in the last quarter of 2016

Filename

Finds items by attachment name (Email archive) or file name (File archive). Wildcard characters can be used for filename pattern specification (* or ?). They have the same meaning as when searching for files in Windows.

Filename:(*.txt) – this will find all attachments and files having the extension .txt

Filename:(file) – this will find attachments and files having the exact name "file"

Filename:(file.*) - this will find attachments and files named "file" of any type (extension)

Text

Properties with text values can be searched for a **single term** and **phrase** or **multiple terms** and **phrases**. Results of a single-term search will contain documents having the specified term in the text value of the specified property. Results of a multi-term search will contain documents having all of the specified terms in the text value of the specified property in any order.

Example:

- **Subject:(lemon)** – finds emails having the term "lemon" in their subject
- **Subject:(lemon orange)** – finds emails having the terms "lemon" and "orange" anywhere in their subject



Phrases must be enclosed in double quotes. Results of a phrase search will contain items having all of the specified terms in the text value of the specified property in the specified order.

Example:

- Subject:("John Smith") – finds emails having the name "John Smith" in their subject in the specified order

Character escaping

The following characters have special meaning in the query syntax:

- () " : \

They cannot be used directly in search terms. They have to be escaped using a backslash '\', otherwise the search query will be ambiguous and will produce unexpected results.

Example:

- Subject:(apple \ (pear\)) – finds emails having the terms "apple" and "pear" in their subject
- 8\:00 – finds documents containing the text 8:00

Boolean queries

Boolean query is a search type that allows you to combine desired keywords with operators like AND and OR to get more specific results.

Operator AND

This operator will narrow your search down to items containing only the words separated by it. Every blank space has the same meaning as the AND operator.

Example (both will do the same):

- content **AND** access **AND** email **AND** archive
- content access email archive

Operator OR

This operator, on the other hand, expands your search by connecting multiple phrases. The OR operator works like “at least one phrase from the entered must be present”. It means that the search will return results containing one of the selected phrases, two, three...or even all.

Example:

- `content OR access` – finds all item containing “content” or “access” or “content access”

Grouping

Multiple terms or clauses can be grouped together by using parentheses “()” to form sub-queries, for example:

- `(email OR file) AND archive` - the returned results must contain at least one of the following: email archive, file archive

Regular expressions

Regular expression (regexp) is a sequence of characters defining a search pattern. This pattern is then often use to “find” or to “find and replace” strings. Regular expressions can be specified in search query by using double asterisk prefix:

`**<regular-expression-pattern>`

Regular expressions can be used for property queries, but also for free text queries.

Standard operators

Anchoring

It is possible to define the start and end on a string for your regexp pattern, but it needs to be anchored specifically. The symbol `^` indicates the beginning, while the `$` symbol indicates the end.

Patterns are always anchored by default. The provided pattern must match the entire string. For example, for string “abcde”:

- `ab.*` = match



- abcd = no match

Allowed characters

Any Unicode character may be used in the pattern, but there are some exceptions that are reserved and must be escaped. The standard reserved characters are:

- `.?+*|{}[]()" \`

If you enable optional features (described in this section), then the following characters may also be reserved:

- `#@&<>~`

Note: Any reserved character can be escaped using a backslash "*", including a backslash character itself: "\\".

Any character (except double quotes) is interpreted literally when bounded by double quotes:

- `john"@smith.com"`

Match any character

The period symbol "." can be used to represent any character. The string "abcde" can be found like this:

- `ab...` = match
- `a.c.e` = match

Once or more

The plus symbol "+" can be used to repeat the preceding pattern once or multiple times. The string "aaabbb" can be found like this:

- `a+b+` = match
- `aa+bb+` = match
- `a+.+` = match



- `aa+bbb+` = match

Zero or more times

The asterisk symbol "*" can be used to match the preceding pattern zero or more times. The string "aaabbb" can be found like this:

- `a*b*` = match
- `a*b*c*` = match
- `.*bbb.*` = match
- `aaa*bbb*` = match

Zero times or once

The question mark "?" makes the preceding pattern optional, so it can match zero times or once. The string "aaabbb" can be found like this:

- `aaa?bbb?` = match
- `aaaa?bbbb?` = match
- `?.?` = match
- `aa?bb?` = no match

Minimum to maximum

Curly brackets "{}" can be used to specify a minimum and also maximum number of times the preceding shortest pattern can be repeated. The allowed forms are:

- `{5}` – the pattern repeats exactly 5 times
- `{2,5}` – the pattern repeats 2 to 5 times
- `{2,}` – the pattern repeats at least twice

For string "aaabbb", the following applies:

- `a{3}b{3}` = match



- $a\{2,4\}b\{2,4\}$ = match
- $a\{2,\}b\{2,\}$ = match
- $\{3\}\{3\}$ = match
- $a\{4\}b\{4\}$ = no match
- $a\{4,6\}b\{4,6\}$ = no match
- $a\{4,\}b\{4,\}$ = no match

Grouping

By using parentheses "()", it is possible to form sub-patterns. The quantity operators listed above operate on the shortest previous pattern, which can also be a group. For string "ababab", the following applies:

- $(ab)^+$ = match
- $ab(ab)^+$ = match
- $(\cdot)^+$ = match
- $(\dots)^+$ = no match
- $(ab)^*$ = match
- $abab(ab)?$ = match
- $ab(ab)?$ = no match
- $(ab)\{3\}$ = match
- $(ab)\{1,2\}$ = no match

Alternation

The pipe symbol "|" works the same as the OR operator mentioned above in this section. The match will be successful if the pattern on either the left side OR the right side matches. Alternation applies to the longest pattern. For string "aabb", the following applies:

- $aabb|bbaa$ = match
- $aacc|bb$ = no match



- `aa(cc|bb)` = match
- `a+|b+` = no match
- `a+b+|b+a+` = match
- `a+(b|c)+` = match

Character classes

Ranges of characters may be specified as character classes, by being enclosed in square brackets "[]". A leading ^ symbol negates the character class. The following forms are allowed:

- `[abc]` = 'a' or 'b' or 'c'
- `[a-c]` = 'a' or 'b' or 'c'
- `[-abc]` = '-' or 'a' or 'b' or 'c'
- `[abc\-]` = '-' or 'a' or 'b' or 'c'
- `[^abc]` = any character except 'a' or 'b' or 'c'
- `[^a-c]` = any character except 'a' or 'b' or 'c'
- `[^-abc]` = any character except '-' or 'a' or 'b' or 'c'
- `[^abc\-]` = any character except '-' or 'a' or 'b' or 'c'

Note: The dash "-" indicates a range of characters, except when it is the first character or when it is escaped with a backslash.

For string "abcd", the following applies:

- `ab[cd]+` = match
- `[a-d]+` = match
- `[^a-d]+` = no match

Optional operators

Complement



Complement is probably the most used and helpful option. The shortest pattern that comes after a tilde symbol "~" is negated. For example, ``"ab~cd"` means:

- Starts with a
- a is followed by b
- b is followed by a string of any length that is anything, except c
- Ends with d

For the string "abcdef", the following applies:

- `ab~df` = match
- `ab~cf` = match
- `ab~cdef` = no match
- `a~(cb)def` = match
- `a~(bc)def` = no match

Interval

The interval option enables the use of numeric ranges. The ranges have to be always enclosed by angle brackets "<>". For string "access90", the following applies:

- `access<1-100>` = match
- `access<01-100>` = match
- `access<001-100>` = no match

Intersection

The ampersand symbol "&" joins two patterns. They both of them have to match the string. For string "aaabbb", the following applies:

- `aaa.&.+bbb` = match
- `aaa&bbb` = no match



Any string

The at sign "@" matches any string in its entire length. This can be combined with intersection and complement (mentioned above) in cases when you want to search for "everything except something". For example:

- @&~(content.+) finds everything, except strings beginning with "content"

Properties in different archives

When specifying a boolean value for a property in query, the following notations can be used:

- **true | yes | y** stand for True
- **false | no | n** stand for False

Property names and values are not case sensitive. Wildcard characters (* and ?) can be used everywhere.

The character '|' means an option or alternative (in cases if multiple property names and values can be used).

If the value is specified in quotes (e.g. "value"), it is considered as a phrase. Example:

- "brown fox" will find all documents that contains the words "brown" followed by word "fox"

Email properties

The properties below are applicable when searching in Email archive

Property	Specificity	Description
HasAttachment:	true false	if true, finds emails having one or more attachments; if false, finds emails having no attachments
Importance:	Low Normal High	finds emails with the specified importance level



Sensitivity:	Normal Personal Private Confidential	finds emails with the specified sensitivity level
Flag:	true false	find emails having a flag set (true) or not set (false)
AttachmentCount:	(number)	finds emails with the specified attachment count
Bcc:	(string)	condition on addresses in BCC tag of the email
Category:	(string)	condition on category
Cc:	(string)	condition on addresses in CC tag of the email
Folder:	(string)	condition on folder path; possible to find emails only in the specified folder (backslash is used as path separator, e.g. Inbox\Important)
ReceivedDate:	(date)	condition on receiving date
RetentionTime:	(number)	condition on retention time (in months)
Sender From:	(string)	condition on email sender
Date SentDate:	(date)	condition on email's sent date
Size:	(number)	condition on email's size in bytes
Title Subject:	(string)	condition on email subject
To:	(string)	condition on email's recipient
Body:	(string)	search in the mail's body text
Attachment:	(string)	search in mail's attachment text

File properties

The properties below are applicable when searching in File archive

Property	Spec ifici- ty	Description
CreationDate:	(date	condition on file's creation date



)	
Title File- name:		(strin g)	condition on file's name



Folder:	(string)	condition on file's path (\ is the path separator as in Windows, e.g.c:\documents\rfa)
Date ModifiedDate:	(date)	condition on file's creation date
Size:	(number)	condition on file's size in bytes

SharePoint document properties

The properties below are applicable when searching in SharePoint archive

Property	Specificity	Description
CreatedBy:	(string)	condition on user who created the file
CreationDate:	(date)	condition on creation date
FileSize:	(number)	condition on file size
Date ModificationDate:	(date)	condition on modification date
ModifiedBy:	(string)	condition on user who modified the document
Name:	(string)	condition on document name
Title:	(string)	condition on document title
VersionNum:	(number)	condition on document's version number

Teams archive properties

The properties below are applicable when searching in Teams archive

Property	Specificity	Description
----------	-------------	-------------



ty

Title:	(string)	message title
Date, CreationDate:	(date)	message's sent date
Size:	(number)	message size, including attachments
Folder, Location, Path, Url:	(string)	specifies the channel name or attachment location (SharePoint document URL)
FileName:	(string)	attachment name
Subject:	(string)	subject of the email message posted to a channel
Author, Sender:	(string)	the user who sent the message
Channel, ChannelName:	(string)	the Teams Channel the message was sent to
Mentioned:	(string)	name of the mentioned user
Reacted:	(string)	name of the user who sent a reaction
ReactedOn:	(date)	the date when a reaction was sent
Reaction:	(string)	type of the reaction; possible values are: Like, Angry, Sad, Laugh, Heart, Surprised
Attachment:	(string)	attachment name and content
HasAttach-	(boolean)	message has attachment or not



ment:	ean)	
Type:	(string)	the type of the item, possible values are: Message (normal chat message), Reply (reply on a message), File (attachment file or file on Teams-related SharePoint sites)

Teams chat archive properties

The properties below are applicable when searching in Teams chat archive

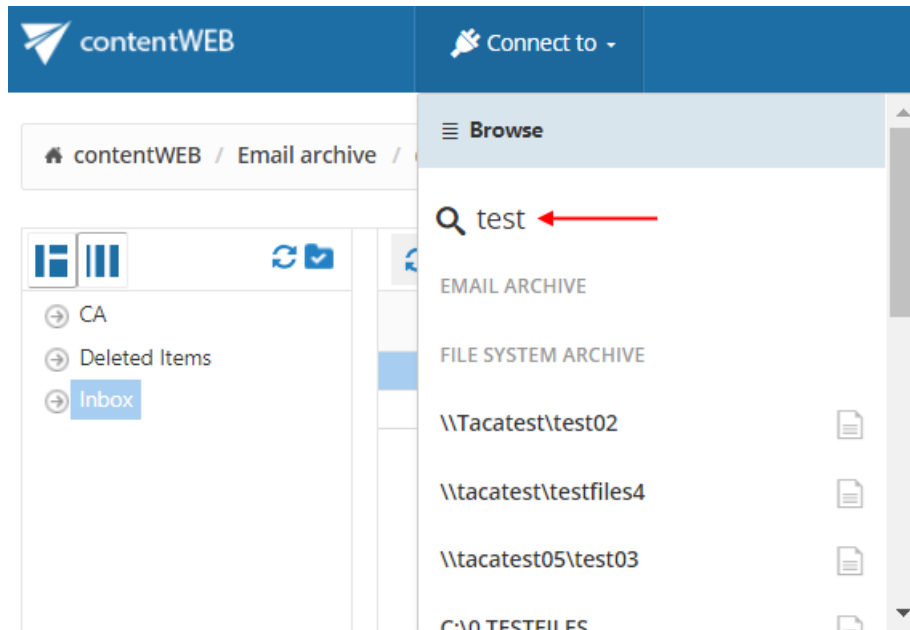
Property	Spec ifici- ty	Description
Title:	(string)	message title
Date, CreationDate:	(date)	message's sent date
Size:	(number)	message size, including attachments
Folder, Category:	(string)	specifies the message category, valid values: Chats, Group chats or Meetings
FileName:	(string)	attachment name
Author, Sender:	(string)	the user who sent the message
Mentioned:	(string)	name of the mentioned user
Reacted:	(string)	name of the user who sent a reaction
ReactedOn:	(date)	the date when a reaction was sent
Reaction:	(string)	type of the reaction, possible values are: Like, Angry, Sad, Laugh, Heart, Surprised
Attachment:	(string)	attachment name and content
HasAttach-	(boolean)	message has attachment or not



ment:	(ean)	
Member:	(string)	name of the user who is member of a chat
Topic:	(string)	topic of a meeting

“Connect to” search

Click into the **Connect to** dropdown list and start to write the name of the entity that you would like to connect to. This search function will automatically filter out the entities by the partial name entered here.



Note: For more information about the search query language, please read [this](#) section.

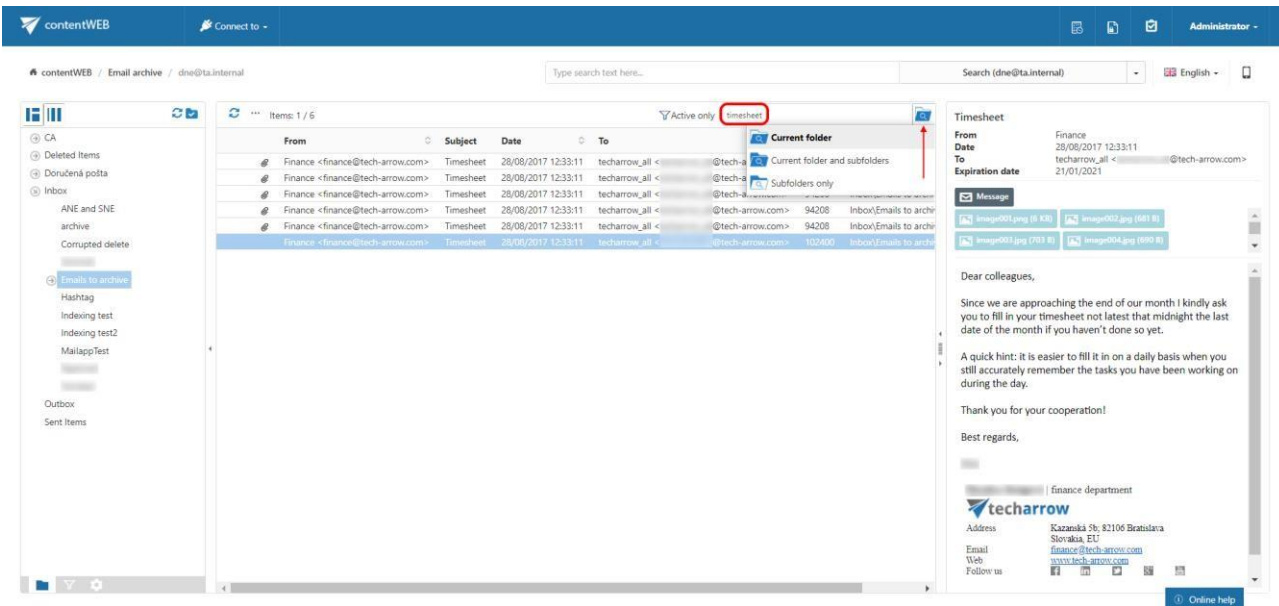
Quick search

The quick search function of contentWEB enables searching only in current folder (the folder that is selected in the left navigation pane in the tree view) and its subfolders. Quick search supports only text-based fields (e.g. Title, Subject). Connect to an archive (select one from the "Connect to" menu) and navigate to the folder of your choice. Then type the searched phrase into the search box located above the list view and by clicking on the icon next to the search box, choose if you want to search in:

- Current folder
- Current folder and subfolders (recursively, including all subfolders)
- Subfolders only (recursively)



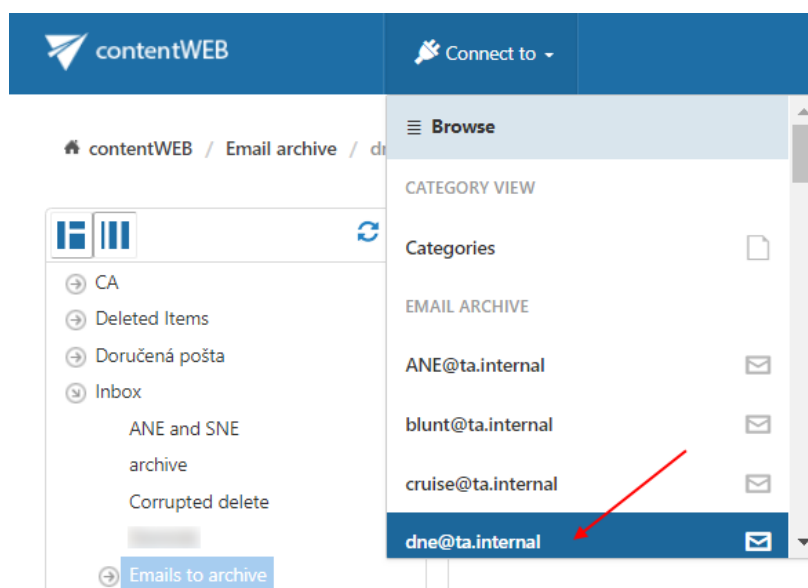
The behavior of the quick search criteria can be customized in the UI settings. The customization is described in chapter [Editing Quick, Basic and Advanced search criteria](#) of this guide later on.



Searching for emails containing the word 'Timesheet'

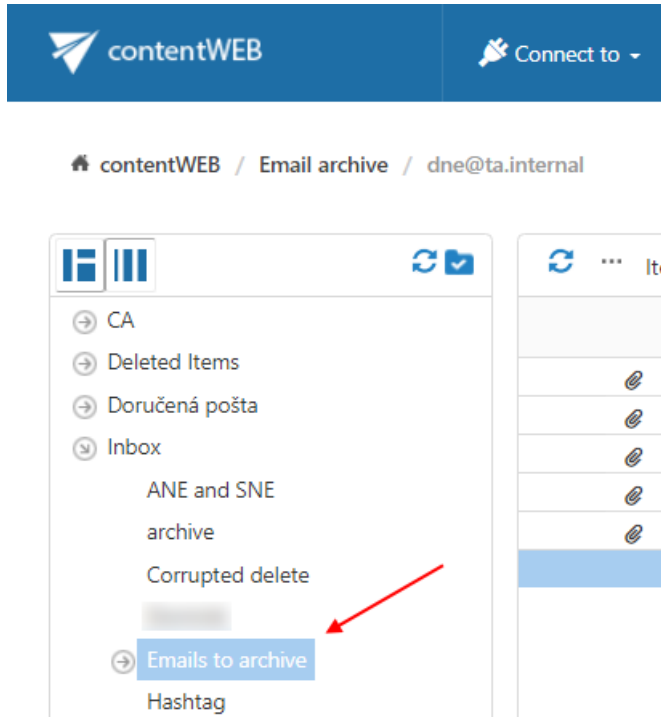
- Search criteria:** Selected archive: dne@ta.internal
- Archive subfolder:** Emails to archive
- Search in:** Current folder
- Title:** contains phrase "timesheet".

In this use case we will search for emails in subfolder **Emails to archive** on the [dne@ta.internal](#) archive. We connect to the archive ([dne@ta.internal](#)) in the **Connect to** list first.

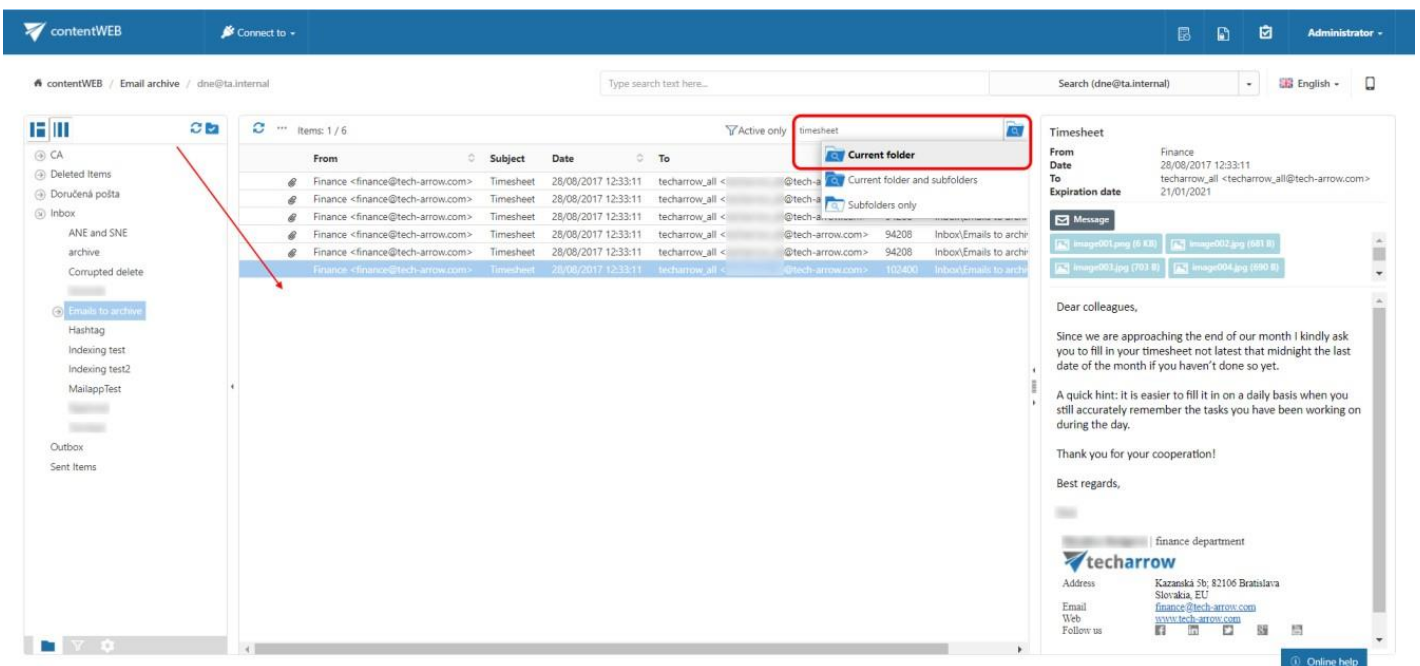




Further we select the given subfolder (*Emails to archive*) in the navigation pane:



Now we type “timesheet” into the quick search field and the entry (entries) will be automatically



searched

for.



Note: If **Enable hit highlighting** is turned on in [Central administration](#), the located words will be highlighted with a yellow color like on the screenshot below.

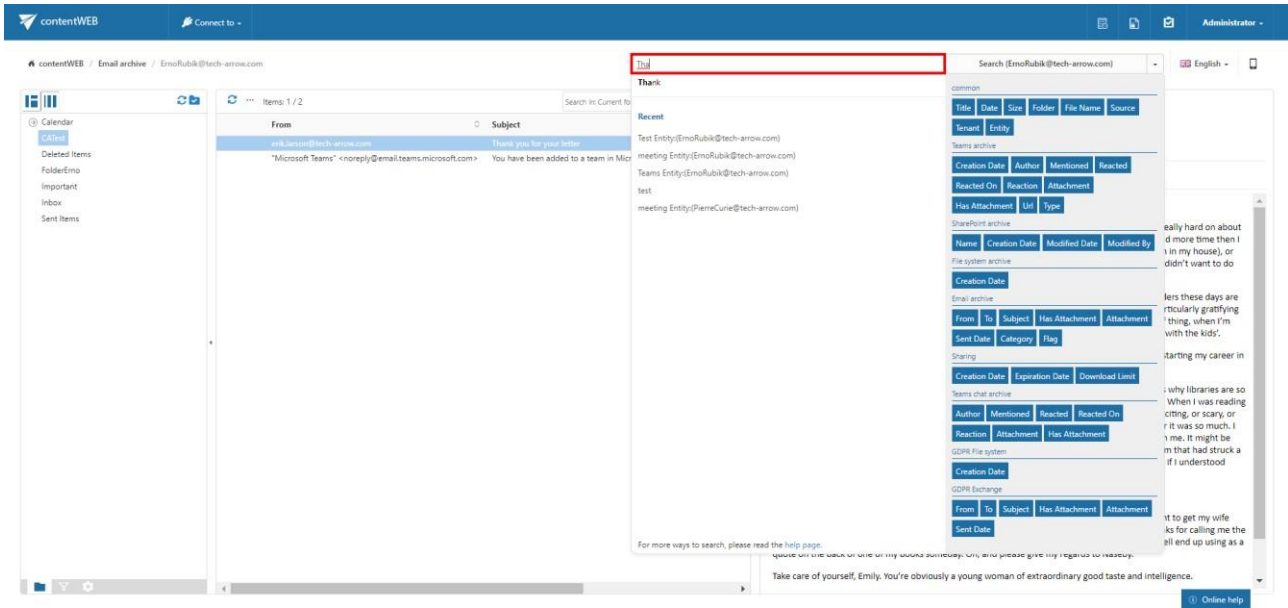
Subject	From	Date	Size	To
[Build succeeded] contentACCESS - contentACCESS:develop - cont	noreply@tech-arrow.com	09/07/2020 3:38:36	200704	
[Build succeeded] officeGATE Dev - officeGATE:develop - contentA	noreply@tech-arrow.com	08/07/2020 14:18:19	196608	
[Build succeeded] contentACCESS - contentACCESS:develop - cont	noreply@tech-arrow.com	08/07/2020 14:06:39	233472	
[Build failed] contentACCESS - contentACCESS:develop - contentA	noreply@tech-arrow.com	08/07/2020 3:38:49	241664	
[Build succeeded] contentACCESS - contentACCESS:develop - cont	noreply@tech-arrow.com	07/07/2020 3:40:04	196608	
[Build succeeded] contentACCESS - contentACCESS:develop - cont	noreply@tech-arrow.com	06/07/2020 14:41:31	241664	
[Build succeeded] contentACCESS - contentACCESS:develop - cont	noreply@tech-arrow.com	06/07/2020 3:40:03	233472	

Fulltext search

Note: For more information about the search query language, please read [this](#) section of the documentation.

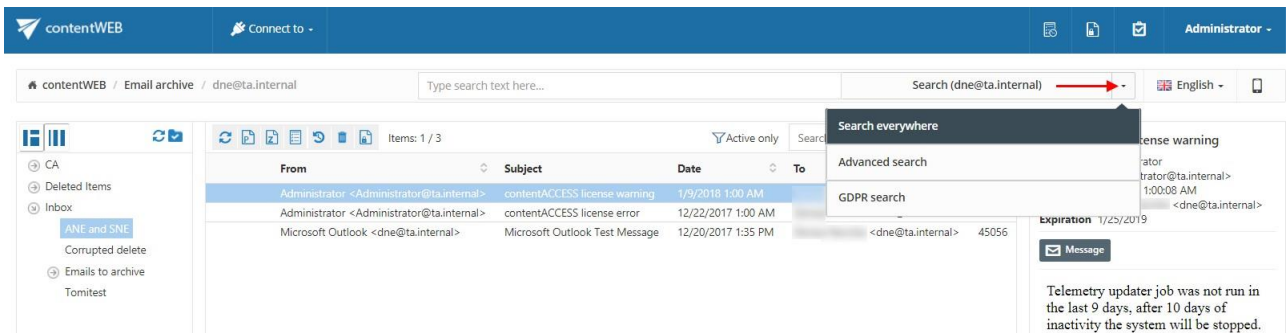
The fulltext search allows the user to search in the entity, which he selected in the Connect to dropdown list – archived mailbox, File archive root, SharePoint archive root site or archived Teams and Teams chats.

If you move your cursor over the Type search text here... field, a pop-up with some search filtering options and recent search will appear. If the Enable search suggestions option is turned on in [System](#) settings, the system will suggest words to search for when the user starts typing.



If the user has access to more than just one entity, he gets the option to **Search everywhere** – it will allow him to search in all the entities he has access to. If the user has access to only one entity, **Search everywhere** is not enabled.

Note: When searching in multiple archives, the sorting of results may be a bit “out of order”. The reason is that the search engine is **not able** to merge and sort data coming from multiple sources(archives) and sorts results from every archive separately.



If the user does a search using **Search everywhere** and there are models which support **Fulltext search** and also those which don't, a result mode selector will be visible. If the user selects **Fulltext**, it will search only in models which support **Fulltext search**. If the user selects **Others**, it will search in models which support other types of search, except fulltext.



contentWEB / Search

test Search everywhere

Items: 1 / 9 in everywhere Results from: **Fulltext** Others


In this case, the user has access to many entities

contentWEB Administrator

contentWEB / Search Search everywhere

Items: 1 / 202 in everywhere Results from: Fulltext Others

Model	Entity	Folder	Title
File system archive	CA\TESTFILES3	CA\TESTFILES3	bdb3d7041f7adb74399289a440f0f275.jpg
File system archive	CA\TESTFILES3	CA\TESTFILES3	contentACCESS.Email_Archive.be_safe_1-1.jpg
File system archive	CA\TESTFILES3	CA\TESTFILES3	38010_mahou_shoujo_madoka_magica.jpg
File system archive	CA\TESTFILES3	CA\TESTFILES3	business and burgers.png
File system archive	CA\TESTFILES1	CA\TESTFILES1	a-1024x768.jpg
File system archive	CA\TESTFILES1	CA\TESTFILES1	contentACCESS.Email_Archive.be_safe_1-1.jpg
File system archive	CA\TESTFILES1	CA\TESTFILES1	38010_mahou_shoujo_madoka_magica.jpg
File system archive	CA\TESTFILES1	CA\TESTFILES1	960x0.jpg
File system archive	CA\TESTFILES1	CA\TESTFILES1	a35bb6d3af7c808a.jpg
File system archive	CA\TESTFILES1	CA\TESTFILES1	camera.png
SharePoint archive	Testing site		contentAccess - Model service Documentation v1.1.pdf
SharePoint archive	Testing site		contentACCESS - v2 6-release notes_v10.pdf
SharePoint archive	Testing site		Andras Palfy has invited you to 'Testing site'.msg
SharePoint archive	Testing site		16.png
SharePoint archive	Testing site		ai-email.jpg
SharePoint archive	Testing site		Screen Shot 2017-10-04 at 1.14.07 PM (1).png
SharePoint archive	Testing site		tf
SharePoint archive	Testing site		17.png
File system archive	CA\TESTFILES3	CA\TESTFILES3	960x0.jpg
File system archive	CA\TESTFILES3	CA\TESTFILES3	a-1024x768.jpg
File system archive	CA\TESTFILES3	CA\TESTFILES3	a35bb6d3af7c808a.jpg
File system archive	CA\TESTFILES3	CA\TESTFILES3	camera.png
File system archive	CA\TESTFILES3	CA\TESTFILES3	cloud.mail_l.jpg



Title: bdb3d7041f7adb74399289a440f0f275.jpg

Size: 50 KB

Created: 11/3/2017 10:51:54 AM

Created by: Job #6 (Tenant #1)

Modified: 2/1/2017 12:13:19 PM

Path: C:\TESTFILES3\bdb3d7041f7adb74399289a440f0f275.jpg

File name: bdb3d7041f7adb74399289a440f0f275.jpg

[Mark for delete](#)

[Online help](#)

so if the user searches for a phrase or applies a filter (requirement) that more items of the mailboxes meet, it will look for example like this:

contentWEB Administrator

contentWEB / Search Search everywhere

test English

Items: 1 / 9 in everywhere Results from: Fulltext Others

Model	Entity	Folder	Title	Date
Email archive	ANE@ta.internal	Inbox	Importance test	7/3/2017 3:01 PM
Email archive	dne@ta.internal	Inbox\Corrupted delete	Test email	11/23/2017 6:44 PM
Email archive	dne@ta.internal	Inbox\ANE and SNE	Microsoft Outlook Test Message	12/20/2017 1:35 PM
SharePoint archive	Testing site		contentACCESS - v2 6-release notes_v8.docx	7/25/2016 3:46 PM
SharePoint archive	Testing site		contentACCESS - v2 6 release notes_v8.docx	10/4/2016 1:19 PM
Email archive	dne@ta.internal	CA\AttachmentTest	Attach03	6/30/2017 3:48 PM
Email archive	SNE@ta.internal	Inbox	Important	7/3/2017 3:32 PM
Email archive	dne@ta.internal	CA\AttachmentTest	Attach02	6/30/2017 3:47 PM
Email archive	dne@ta.internal	CA\AttachmentTest	Attach 1 body	6/30/2017 3:46 PM

Important

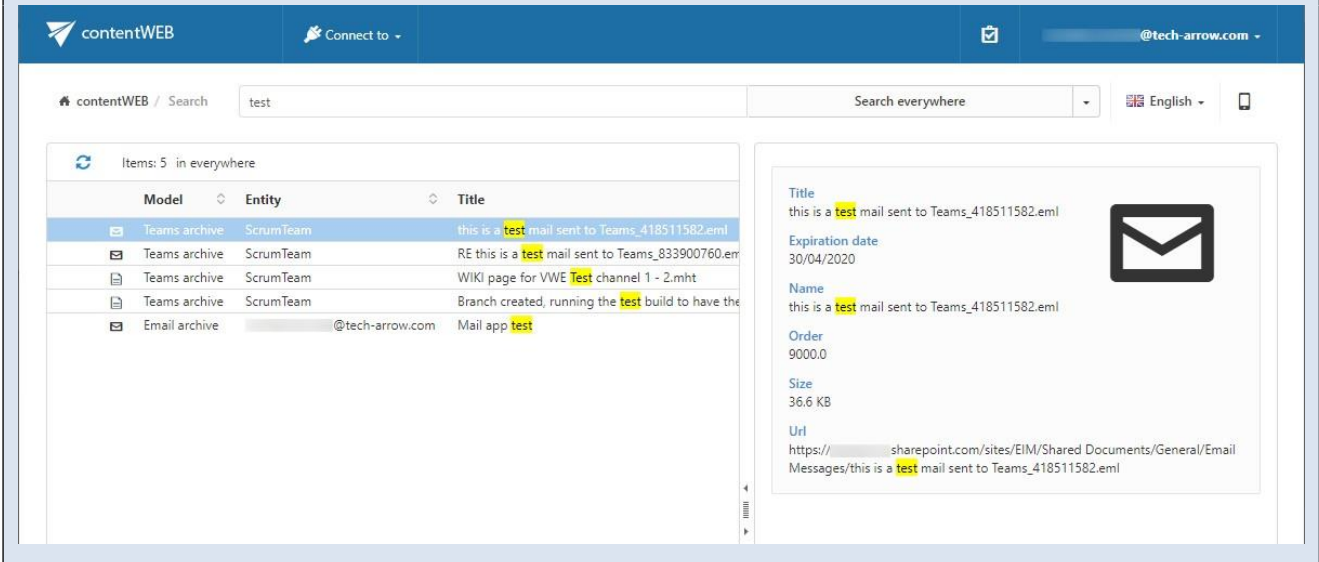
From: ANE@ta.internal
Date: 7/3/2017 3:32:51 PM
To: ANE@ta.internal
Expiration: 1/25/2019

• This message was sent with high importance.

[Message](#)

Hi, I am sending this email to test the importance feature in contentWEB search.

Note: If **Enable hit highlighting** is turned on in [Central administration](#), the located words will be highlighted with a yellow color like on the screenshot below.



The screenshot shows the contentWEB search interface. The search bar contains the text 'test'. The search results are displayed in a table with columns for Model, Entity, and Title. The first row is highlighted in blue. The word 'test' is highlighted in yellow in the titles of the first, second, and fourth rows. To the right of the table, a detailed view of the selected email item is shown, including fields like Title, Expiration date, Name, Order, Size, and Url. The word 'test' is also highlighted in yellow in the detailed view.

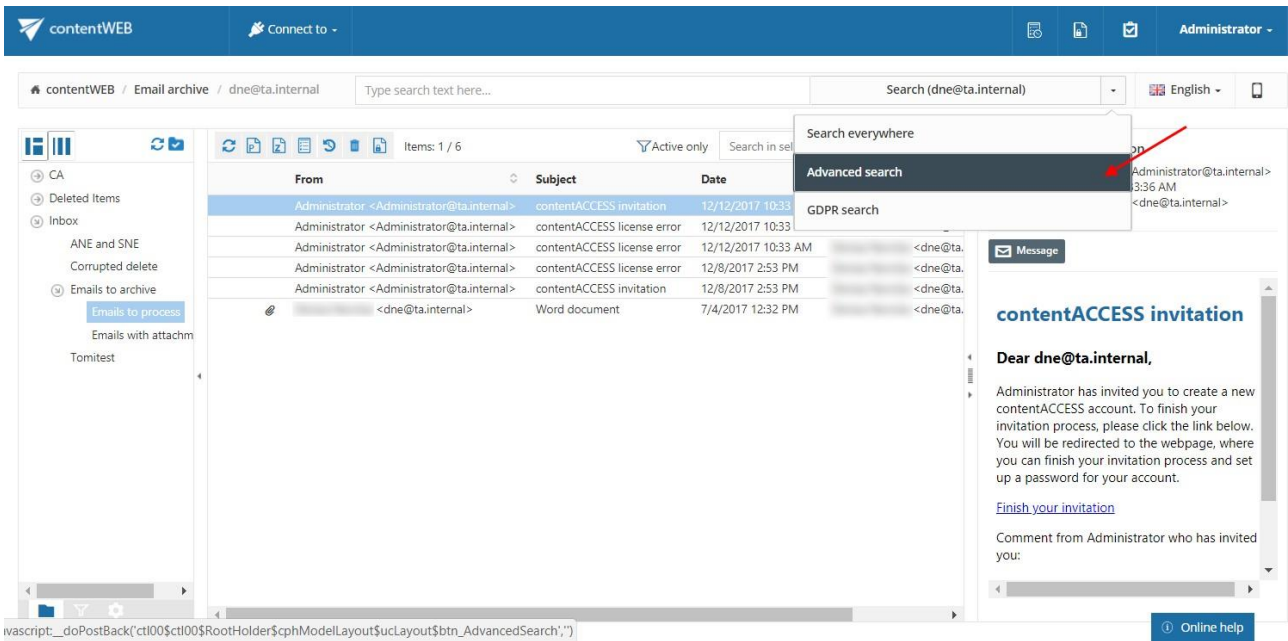
Model	Entity	Title
Teams archive	ScrumTeam	this is a test mail sent to Teams_418511582.eml
Teams archive	ScrumTeam	RE this is a test mail sent to Teams_833900760.eml
Teams archive	ScrumTeam	WIKI page for VWE Test channel 1 - 2.mht
Teams archive	ScrumTeam	Branch created, running the test build to have the
Email archive	@tech-arrow.com	Mail app test

Advanced search

With the advanced search function, the user may search in one or multiple entities simultaneously according to one or multiple search criteria. With advanced search it is not allowed to search in one folder only. It crawls the whole folder structure of the selected entity/entities.

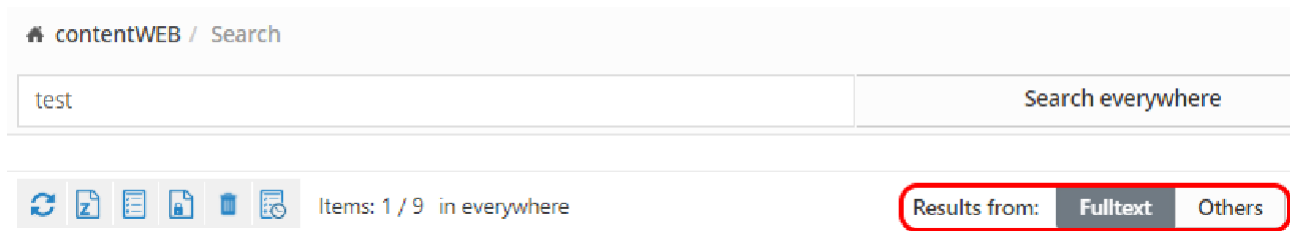
Note: When searching in multiple archives, the sorting of results may be a bit “out of order”. The reason is that the search engine is **not able** to merge and sort data coming from multiple sources(archives) and sorts results from every archive separately.

To start Advanced search, connect to an entity in the **Connect to** list. Then choose **Advanced search** option from the dropdown list on the right side of the user interface.



The **Advanced search** page will be loaded. Unroll the **Search** in dropdown list and select the entities (mailboxes/root folders) to be crawled. **Search** in filter lists all available mailboxes/roots on which the logged on user has the necessary access permissions.

If the user does a search using **Advanced search** and there are models which support **Fulltext search** and also those which don't, a search mode selector will be visible. If the user selects **Fulltext**, it will search only in models which support **Fulltext search**. If the user selects **Others**, it will search in models which support other types of search, except fulltext.



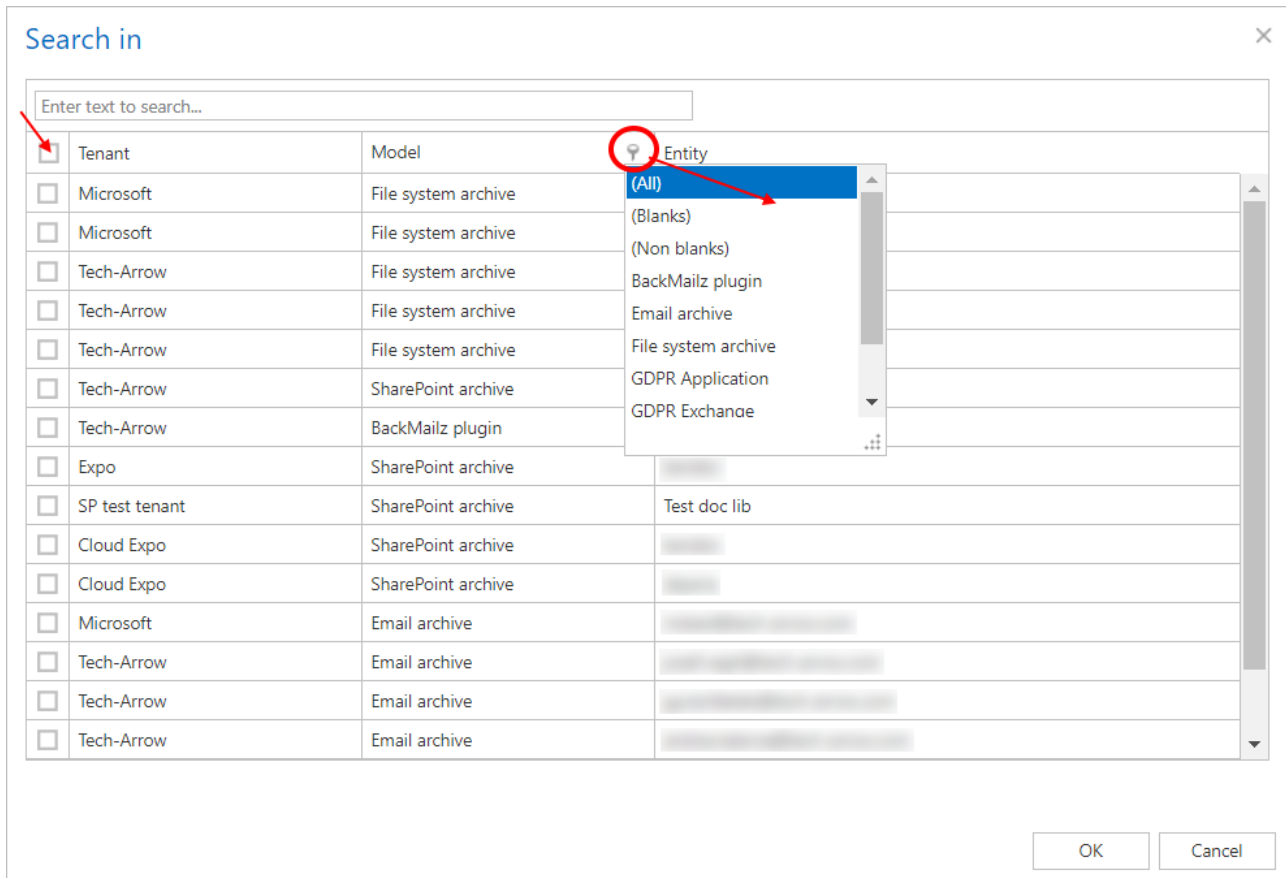


By using the advanced search criteria, the user may decide if documents with the identical name will be searched for (use the **“Equals”** filter), or also documents with this partial name will be searched for (use the **“Contains”** filter).

The range of parameters that can be set differs based on what kind of entity does the user **Connect to** (File archive, Email archive, SharePoint archive, Teams archive, Teams chat archive...). Here on the screenshot below the parameters common for all kind of entities can be seen.

The screenshot shows the 'Advanced search' interface in contentWEB. The top navigation bar includes the 'contentWEB' logo, a 'Connect to -' dropdown, and an 'Administrator -' profile. Below the navigation bar, the breadcrumb 'contentWEB / Advanced search' and a language selector 'English -' are visible. The main search area features a 'Search in' dropdown menu currently set to 'Select' (with a 'Search everywhere' note below it) and a 'Search for text' input field. Below this is a 'Common' section containing several filter groups: 'Title' (Contains -), 'Size' (Smaller than -), 'Date' (After -), 'Folder' (Contains -), and 'File name' (Contains -). Each filter group includes a dropdown menu and an input field. At the bottom of the search area, there are 'Clear' and 'Search' buttons. In the bottom right corner, there is an 'Online help' button.

To select the desired entity (or entities), click on the **Select** button (upper left part of the screenshot above). Check the checkboxes of the entities you want to perform search in. If you check the **Tenant** checkbox (first one, marked on screenshot), then all entities listed below will be selected. If you click on the icon in the **Model** column (marked on screenshot), you will be able to filter entities by model type.



contentWEB enables advanced searching based on criteria set in the **UI settings**. For more information refer to the [Editing Quick, Basic and Advanced search criteria](#) subchapter of this guide.

Searching for an email message containing the phrase “word”

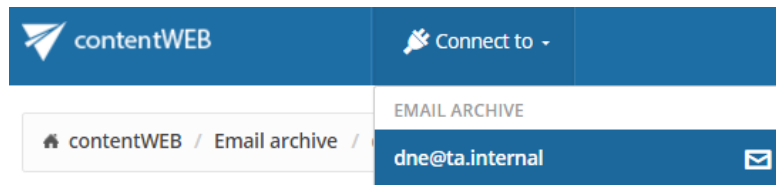
Search criteria: **Mailbox:** [dne@ta.internal](#)

Date range: 10.02.2016 – 30.03.2018

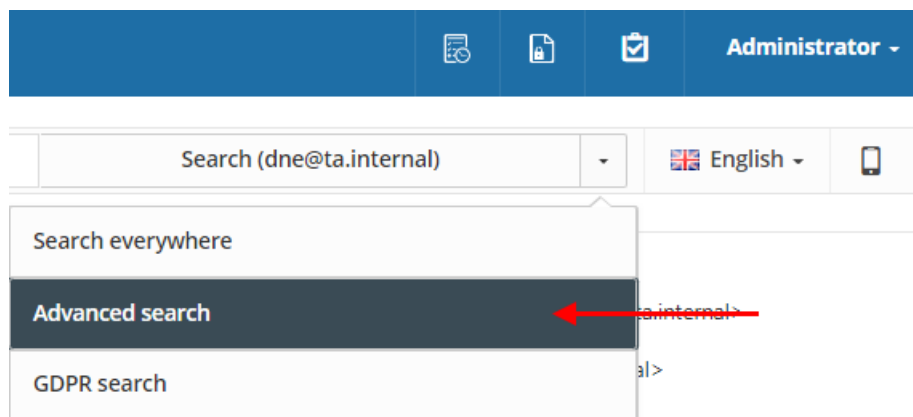
Subject: contains phrase “word”.

As we need to search for an item based on a non-textual value (date range), and we would like to search for the item according to multiple search criteria (date range and subject), we need to use the **Advanced search** of contentWEB.

To start advanced search, connect to the archive mailbox of [dne@ta.internal](#) in the **Connect to list**.

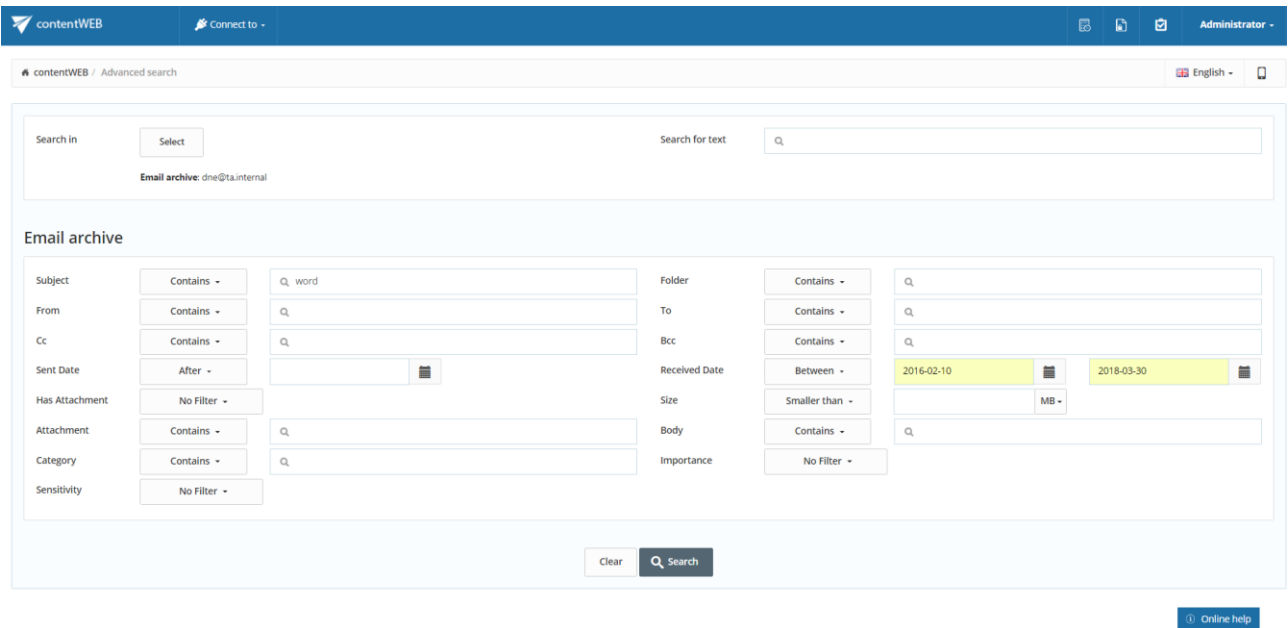


Select **Advanced search** option from the dropdown menu in the right upper part of the user interface.

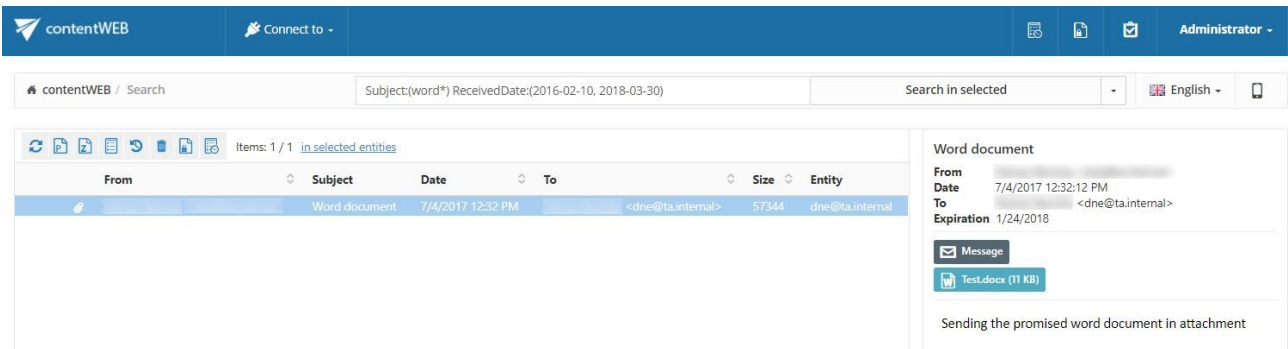


Specify the desired criteria:

1. From the **Search in** dropdown list the user may select multiple archive mailboxes (root folders in case of file archive), on which he has access permissions. Now we are searching only in mailbox dne@ta.internal that we have selected in the **Connect to** list.
2. As we are searching for emails with subject containing “word”, we enter this phrase into the **Subject** text box.
3. We are searching for emails in date range **10/02/2016 – 30/03/2018**, so we select **Between** from the **Receive Date** dropdown list. Then we specify the desired date range and click on **Search**.

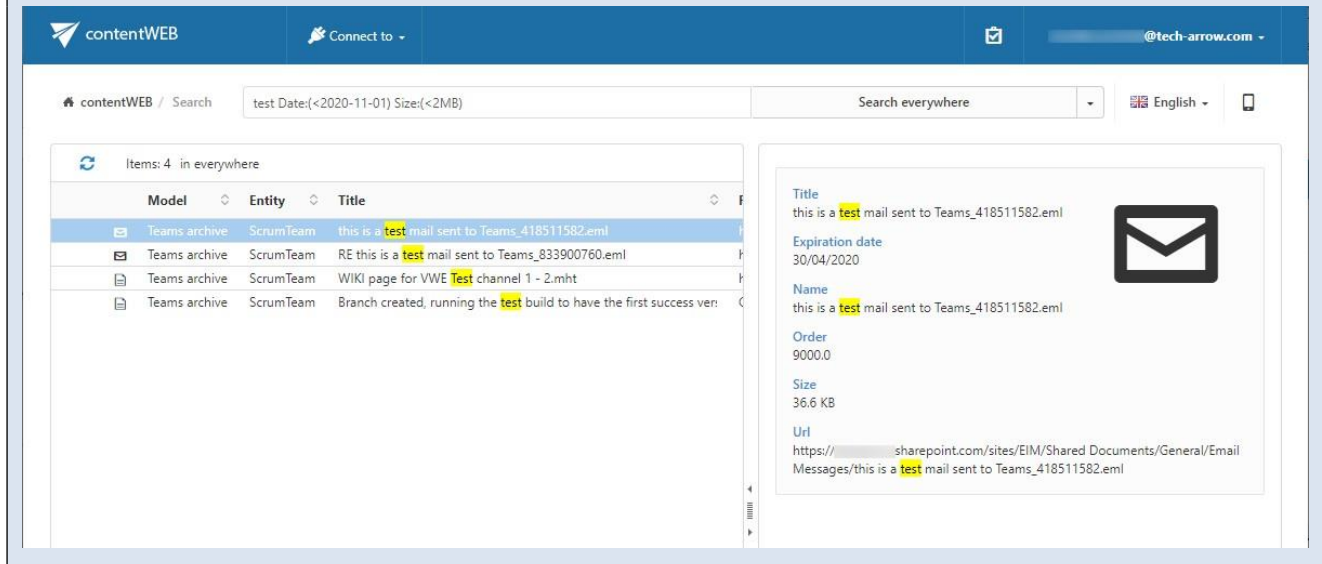


The desired file has been found as displayed on the picture below:



Note: In the search view the **Folder** column is automatically displayed as well. This feature simplifies the identification of the file location in the folder structure. The administrator may configure, which columns should be displayed in search view. This configuration is further described in chapter [Table view column configurations](#) of this guide

Note: If **Enable hit highlighting** is turned on in [Central administration](#), the located words will be highlighted with a yellow color like on the screenshot below.



Periodical search

GDPR requires to detect any data leakage and as soon as possible. Thanks to this feature the user won't have to manually search if someone worked with sensitive data, but can instead create and configure a periodical search, which will perform all the necessary actions.

Periodical search is a search performed automatically by the **Task runner** with the recurrence and other parameters configured by the user. The search is performed only on the entities allowed by the user's roles and permissions.

Permissions

There are 2 periodical search related permissions that can be assigned from [Central Administration](#):

Role details ✕

Role display name:

Permissions

Manage legal hold cases:	<input checked="" type="radio"/> Not allowed	<input type="radio"/> All allowed	?	
View legal hold cases:	<input checked="" type="radio"/> Not allowed	<input type="radio"/> All allowed	?	
PeriodicalSearch				
Create periodical searches:	<input type="radio"/> Not allowed	<input checked="" type="radio"/> All allowed	?	
Manage other user's periodical searches:	<input type="radio"/> Not allowed	<input checked="" type="radio"/> All allowed	?	
Plugin.BackMailz				
Use BackMailz Service:	<input checked="" type="radio"/> Not allowed	<input type="radio"/> All allowed	<input type="radio"/> Specific allowed	?
Plugin.CategorizeToPF				
View mailboxes:	<input checked="" type="radio"/> Not allowed	<input type="radio"/> All allowed	<input type="radio"/> Specific allowed	?
Plugin.Datengut				
View Datengut DDCs:	<input checked="" type="radio"/> Not allowed	<input type="radio"/> All allowed		?
Plugin.EmailArchive				

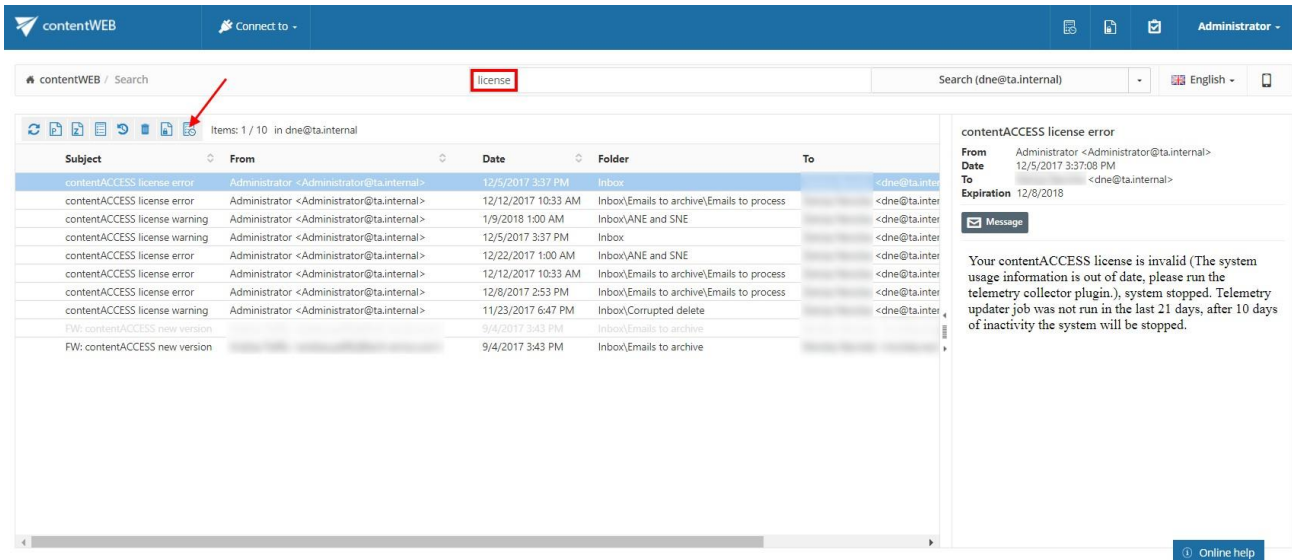
Select a tenant, where the role will be available

Tenant:

- 1) **Create periodical search** – allows to define a periodical search and manage (view, delete) own periodical searches
- 2) **Manage other's periodical searches** - The Manage other's periodical searches permission allows to see other user's periodical searches – on tenant or system level – based on role assignment. With this permission, the user cannot create a periodical search. He can only see, enable/disable and delete the periodical searches on the tenant(s) where he has permissions. If the user had the Create periodical search permission before, but the permission was removed, he will be still able to see his own periodical searches.

Using periodical search

First, the user must perform a search in contentWEB. The same parameters that were entered here will be later used by the periodical search.



The screenshot shows the contentWEB interface with a search bar containing the word "license". The search results are displayed in a table with columns for Subject, From, Date, Folder, and To. The first row is highlighted, showing a "contentACCESS license error" from Administrator <Administrator@ta.internal> on 12/5/2017 3:37 PM. The right-hand pane shows the details of the selected email, including the subject "contentACCESS license error", date "12/5/2017 3:37:08 PM", and expiration date "12/8/2018". The message body contains the following text:

Your contentACCESS license is invalid (The system usage information is out of date, please run the telemetry collector plugin.), system stopped. Telemetry updater job was not run in the last 21 days, after 10 days of inactivity the system will be stopped.

Click on the periodical search button. A pop-up window will open. Here you can set the following:

- Search name – name of the periodical search
- Notification recipients (split by “;”) – email addresses of users that will receive the notification email (this email will be sent by the notification job)
- Tenant – Tenant that the search will be performed on (only tenants available for the user are listed in the dropdown list)
- Keep results – number of search results that will be stored in the database (explained below)
- Recurrence (weekly on selected day(s) at selected time or monthly on selected day(s) at selected time)
- Description – description of the periodical search

Create periodical search ✕

Search name:

Notification recipients:

Tenant:

Keep results:

Recurrence:

Sunday
 Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday

At:

Description:

The list of all available periodical searches can be viewed by clicking on the Periodical search button in the upper right corner.



The following actions are available:

Name	Last execution time	Recurrence	Next run	Keep in history	Notification recipients	Enabled	Action
And search	-	Running every 1 month on ...	7/1/2018 8:00:00 PM	10	dne@ta.internal	Yes	1) 2) 3) 4) 5)
License search	1 second	Running weekly on Sunday...	-	10	dne@ta.internal	No	2) 3) 4) 5)
License search01	-	Running weekly on Sunday...	6/9/2018 4:00:00 PM	10	dne@ta.internal	Yes	2) 3) 4) 5)
Test search	-	Running weekly on Sunday...	6/9/2018 8:00:00 PM	10	dne@ta.internal	Yes	2) 3) 4) 5)
Zoo	-	Running weekly on Sunday...	-	10	dne@ta.internal	No	2) 3) 4) 5)

- 1) Refresh – refreshes the list of periodical searches
- 2) View details – explained below
- 3) Edit – explained below
- 4) Enable/disable – with this button it is possible to enable or disable the selected periodical



search (when disabled, it won't perform any actions; disabled searches have grey background)

- 5) Delete – deletes the periodical search

View details

On this page it is possible to see the details about the selected periodical search. The **Query** displays all searching parameters of the periodical search (the search this periodical search was created from). By clicking on the link, the defined search will be performed again in a moment.

The previous search result summary is displayed in the grid below. We can see the start date, end date, duration and total hit count. It is also possible to download the report file from here by clicking on the button in the **Actions** column. The report file contains a detailed summary with the list of emails, files and database records, where the results are coming from.

The screenshot shows the contentWEB interface. At the top, there is a navigation bar with 'contentWEB', 'Connect to -', and 'Administrator -'. Below the navigation bar, the breadcrumb trail reads 'contentWEB / Periodical search / License search'. The main content area is titled 'License search' and contains the following details:

- Description:** License searching on weekends
- Next run:** 6/9/2018 4:00:00 PM
- Recurrence:** Running weekly on Sunday,Saturday at 4:00 PM
- Keep in history:** 10
- Recipients:** dne@ta.internal
- Created by:** Administrator

The **Query** is displayed as: `"license" in dne@ta.internal`. There is an 'Edit' button below the details.

Below the details, there is a section for 'Previous search results' with a refresh icon. It contains a table with the following data:

Start date	End date	Duration	Hit count	Actions
5/27/2018 4:00:04 PM	5/27/2018 4:00:05 PM	1 second	10	Download
5/26/2018 4:00:13 PM	5/26/2018 4:00:18 PM	4 seconds	10	Download

An 'Online help' button is located at the bottom right of the interface.

Edit

Here it is possible to set/change the same parameters as after clicking on the **Periodical search** button after performing a search.

Edit periodical search ✕

Search name:

Notification recipients:

Tenant:

Keep results:

Recurrence:

Sunday
 Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday

At:

Description:

History management

Every periodical search has a defined “**Keep in history**” property (same value as **Keep records** when creating the periodical search) – this means that we store X previous search results in the database and also in the corresponding report file on the resource storage.

Task runner processing

When a periodical search is found

- We check the **IsActive** status – if the search is not active, it means that it was marked as deleted.
- If the search is marked as deleted, we will remove the corresponding history items, report files and also the definition/configuration of the periodical search.
- If a periodical search is disabled, it will be skipped by the **Task runner**.
- If the search is active, its scheduled time is recalculated based on recurrence – the next job will not process it. (It means that if it is scheduled to run at 10:00 on every Wednesday, it will be processed at that time and set to run on the next Wednesday at 10:00, on the other days and times the search can't be found).



- Task runner job will create a report in the resource storage, a new record in the history table and will add a reporting email into the notification job's queue – history management is performed during this processing.
- The report file is available only from contentWEB. The notification email contains a link to the periodical search detail page, which contains the stored history results – therefore it is easy to compare the results from there, and this way we can easily ensure that the report is not available for a user without permissions.
- If the user would like to share the report with another user, he needs to save the report file and send it to the user. He can use our sharing app for this.

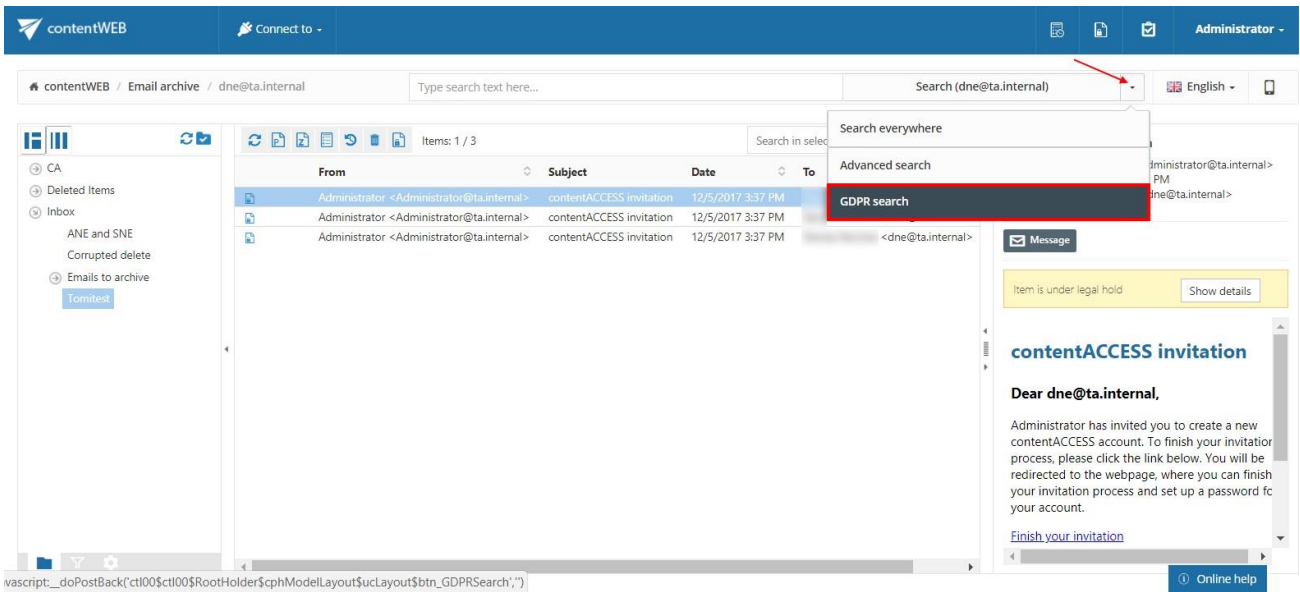
GDPR search

The general data protection regulation, or as most people know it **GDPR**, brought new rules about data storage and regulation. Having a proper overview about all company and personal data – where it is stored, for how long, who is accessing it, may seem like a hard task now. That's why we programmed our **GDPR search**, so it would be much easier and faster for our customers to find all personal data they need. The predefined search patterns allow the user to search for the most common, sought, requested and necessary data in a very user-friendly way.

Does your customer want you to find and delete his personal data? Or you just want to check where a credit card number was mentioned? No problem!

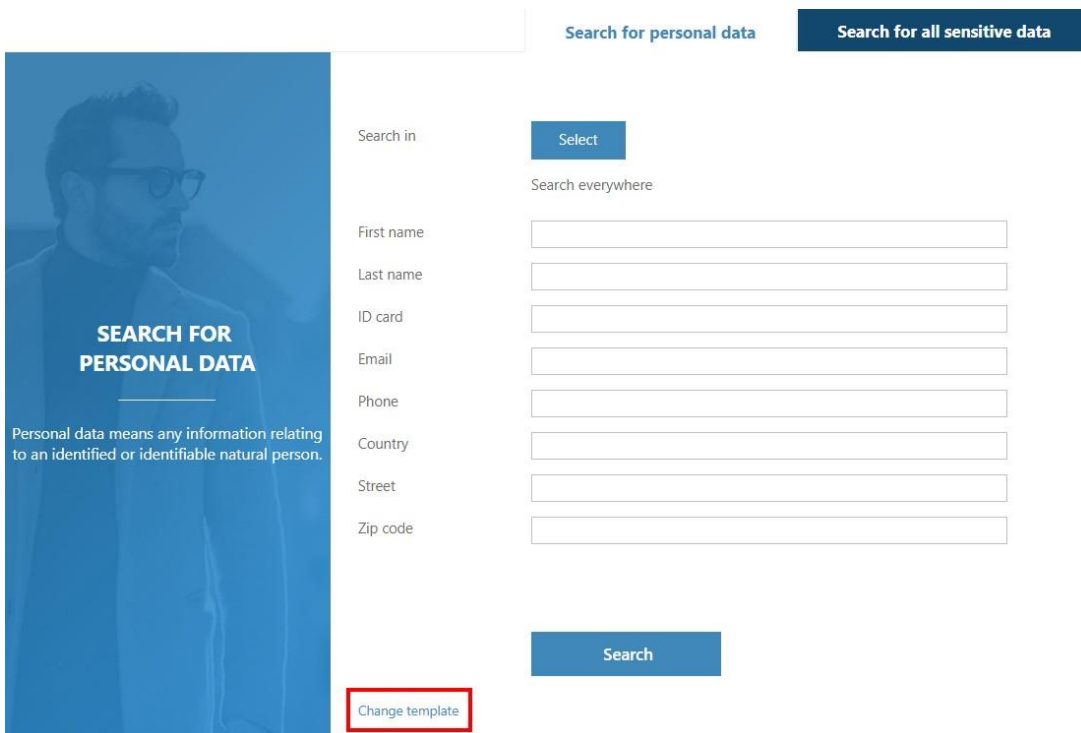
To get to the **GDPR search** page, click on the search type dropdown list and choose the **GDPR search**.

Note: When searching in multiple archives, the sorting of results may be a bit “out of order”. The reason is that the search engine is **not able** to merge and sort data coming from multiple sources (archives) and sorts results from every archive separately.



On the GDPR search page, it is possible to choose between two tabs – **Search for personal data** and **Search for all sensitive data**. The user can change the predefined search patterns by clicking on the **Change template** button on both tabs, but we don't recommend it. If the patterns were changed, the user can also reset them back to the original state.

Note: To be able to change the patterns, the user must have the **Customize GDPR search** permission allowed in his [role](#), otherwise this option won't even be visible.



Change template ✕

Action

Reset my settings
 Update my settings

Current settings

```

<PersonalFieldCollection>
<InnerList>
  <PersonalField>
    <SpanDistance>1</SpanDistance>
    <SpanCategory>1</SpanCategory>
    <DisplayName>First name</DisplayName>
    <Id>persFirstName</Id>
    <IsSpan>True</IsSpan>
    <IsIdentifier>False</IsIdentifier>
  </PersonalField>
  <PersonalField>
    <SpanDistance>1</SpanDistance>
    <SpanCategory>1</SpanCategory>
    <DisplayName>Last name</DisplayName>
    <Id>persLastName</Id>
    <IsSpan>True</IsSpan>
    <IsIdentifier>False</IsIdentifier>
  </PersonalField>
  <PersonalField>
    <SpanDistance>0</SpanDistance>
    <SpanCategory>0</SpanCategory>
    <DisplayName>ID card</DisplayName>
    <Id>persIdCard</Id>
    <IsSpan>False</IsSpan>
    <IsIdentifier>True</IsIdentifier>
  </PersonalField>
    
```

Search for personal data

On this page, the user can search for any information related to an identified person.

contentWEB Connect to - Administrator -

GDPR search

Search for personal data
Search for all sensitive data

SEARCH FOR PERSONAL DATA

Personal data means any information relating to an identified or identifiable natural person.

Search in Select

Search everywhere

First name

Last name

ID card

Email

Phone

Country

Street

Zip code

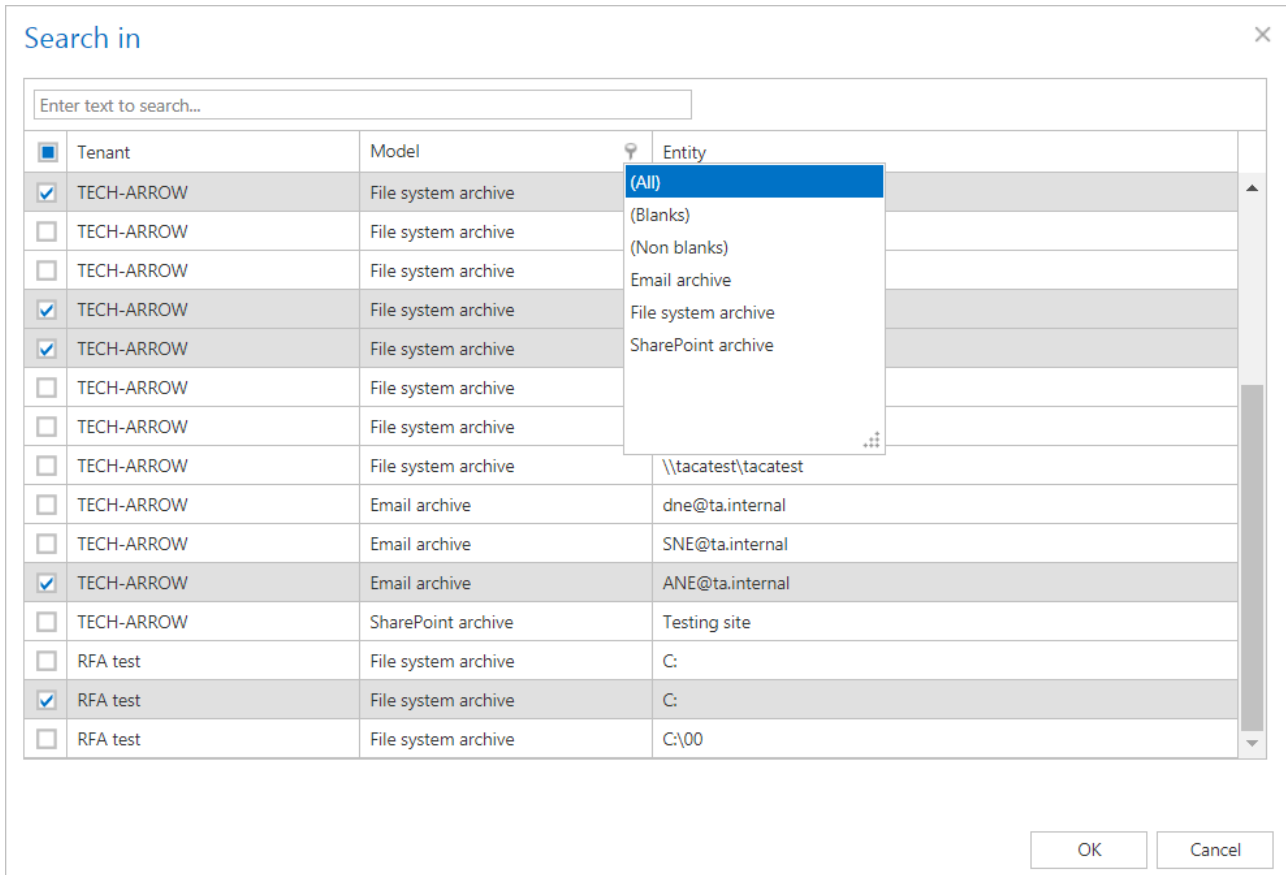
Search

Change template

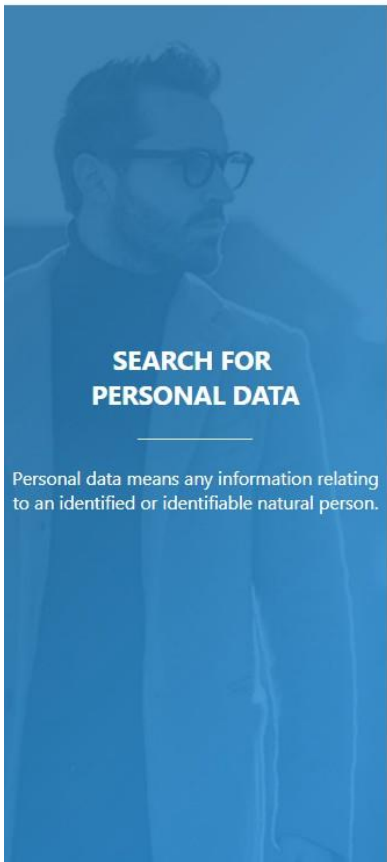
Online help

By clicking on the **Select** button, the entity selector popup window will open. Here the user may select entities he wants to search in. It is also possible to filter the entities by model type. Select the desired entities and click on **OK**.

Note: The search can be performed only on the entities allowed by the user's roles and permissions.



The selected entities will be displayed under the **Select** button. Specify the information you want to search for and click on the **Search** button.



Search for personal data

Search for all sensitive data

Search in

Select

File system archive: C:\TESTFILES3, C:\TESTFILES5, C:\MonnieFile, C:\Tacatest\test02
Email archive: ANE@ta.internal

First name:

Last name:

ID card:

Email:

Phone:

Country:

Street:

Zip code:

Search

Change template

The search results will be displayed and you can perform all the actions as with results of **Quick search** or **Advanced search** – export, create report, legal hold, mark for delete and even create periodical search.

contentWEB / Search

Items: 1 / 37 in everywhere

Model	Entity	Folder	Title	Date
SharePoint archive	Testing site		ai-email.jpg	1/25/2018 4:14 PM
SharePoint archive	Testing site		cloud.mail.jpg	1/25/2018 4:14 PM
SharePoint archive	Testing site		hand-holding-a-dog.jpg	1/25/2018 4:14 PM
SharePoint archive	Testing site		contentACCESS.Email_Archive.be_safe_1-1.jpg	1/25/2018 4:14 PM
SharePoint archive	Testing site		9h60qj.jpg	1/25/2018 4:14 PM
Email archive	dne@ta.internal	Inbox\Emails to archive\Emails with attachments	Monika, here's \$50 to sponsor your content on LinkedIn!	1/1/1753 1:00 AM
SharePoint archive	Testing site		bdb3d7041f7adb74399289a440f0275.jpg	1/25/2018 4:14 PM
SharePoint archive	Testing site		microsoft-european-union.jpg	1/25/2018 4:14 PM
SharePoint archive	Testing site		9600.jpg	1/25/2018 4:14 PM
Email archive	dne@ta.internal	Inbox\Emails to archive\Emails with attachments	Reminder: Monika, your coupon is about to expire!	1/1/1753 1:00 AM
Email archive	dne@ta.internal	Inbox\Emails to archive	RE: Re[4]: Trial	8/25/2017 6:31 AM
Email archive	dne@ta.internal	Inbox\Emails to archive	RE: Re[4]: Trial	8/25/2017 6:31 AM
SharePoint archive	Testing site		microsoft-office-365-logo-100630074-primary.idge_-300x200.jpg	1/25/2018 4:14 PM
SharePoint archive	Testing site		10-crucial-security-tips-to-reduce-data-loss-in-microsoft-office-365-7	1/25/2018 4:14 PM
Email archive	dne@ta.internal	Inbox\Emails to archive	FW: contentACCESS new version	9/4/2017 3:43 PM
Email archive	dne@ta.internal	Inbox\Emails to archive	FW: contentACCESS new version	9/4/2017 3:43 PM
Email archive	dne@ta.internal	Inbox\Emails to archive	FW: contentACCESS new version	9/4/2017 3:43 PM
Email archive	dne@ta.internal	Inbox\Emails to archive	FW: contentACCESS new version	9/4/2017 3:43 PM
Email archive	dne@ta.internal	Inbox\Emails to archive	FW: contentACCESS new version	9/4/2017 3:43 PM
Email archive	dne@ta.internal	Inbox\Emails to archive	RE: Re[4]: Trial	8/25/2017 6:31 AM
Email archive	dne@ta.internal	Inbox\Emails to archive	RE: Re[4]: Trial	8/25/2017 6:31 AM
Email archive	dne@ta.internal	Inbox\Emails to archive	RE: Re[4]: Trial	8/25/2017 6:31 AM
Email archive	dne@ta.internal	Inbox\Emails to archive	Task 12308 - CPU requirement	8/30/2017 11:44 AM
Email archive	dne@ta.internal	Inbox\Emails to archive	Task 12308 - CPU requirement	8/30/2017 11:44 AM
Email archive	dne@ta.internal	Inbox\Emails to archive	Re: Links	8/25/2017 12:43 PM
Email archive	dne@ta.internal	Inbox\Emails to archive	Task 12317 - Click to run Outlook is not supported	8/30/2017 5:16 PM
Email archive	dne@ta.internal	Inbox\Emails to archive	Task 12317 - Click to run Outlook is not supported	8/30/2017 5:16 PM
Email archive	dne@ta.internal	Inbox\Emails to archive	Task 12308 - CPU requirement	8/30/2017 11:44 AM

Title: ai-email.jpg

Modified: 1/25/2018 4:14:46 PM

Modified By: Monika Nevcicka

Size: 129.9 KB

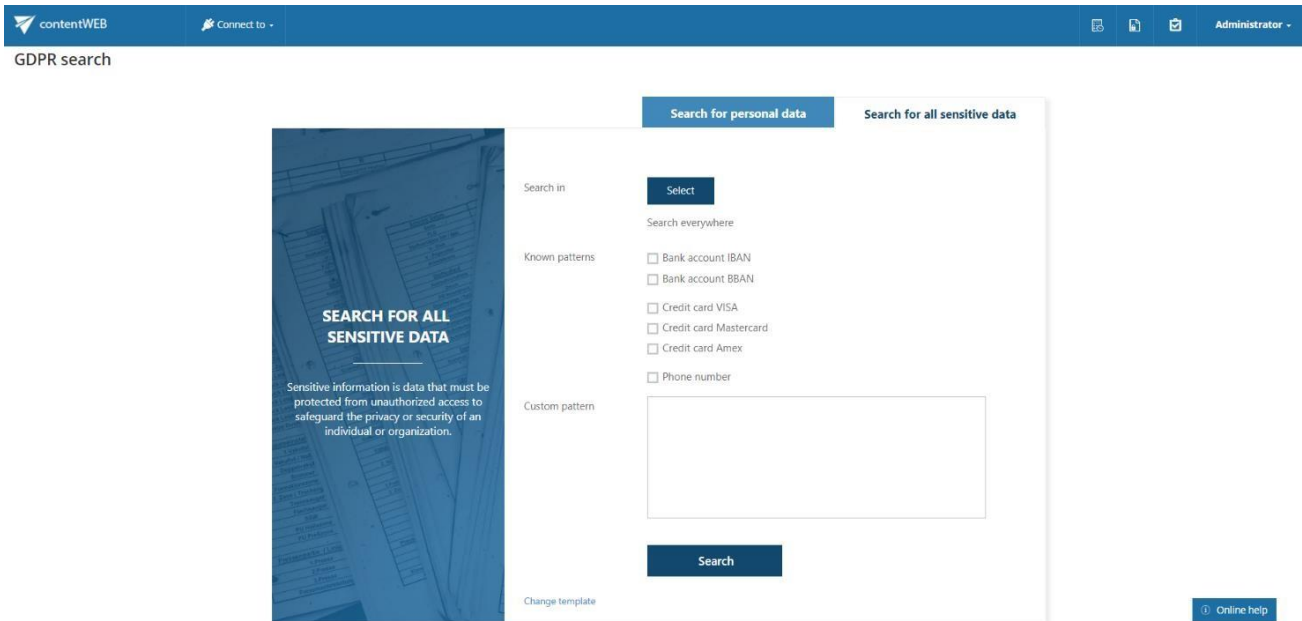
Url: https://techarrow.sharepoint.com/sites/testing/test/MonnieTesting/SearchTest/ai-email.jpg

Mark for delete: False

Expiration date: 1/25/2019

Search for all sensitive data

On this page, the user can search for bank accounts, credit card numbers and phone numbers.



contentWEB Connect to - Administrator -

GDPR search

SEARCH FOR ALL SENSITIVE DATA

Sensitive information is data that must be protected from unauthorized access to safeguard the privacy or security of an individual or organization.

Search in **Select**

Search everywhere

Known patterns

- Bank account IBAN
- Bank account BBAN
- Credit card VISA
- Credit card Mastercard
- Credit card Amex
- Phone number

Custom pattern

Search

Change template

Online help

By clicking on the **Select** button, the entity selector popup window will open. Here the user may select entities he wants to search in. It is also possible to filter the entities by model type. Select the desired entities and click on **OK**.

Note: The search can be performed only on the entities allowed by the user's roles and permissions.

Search in ✕

	Tenant	Model	Entity
<input checked="" type="checkbox"/>	TECH-ARROW	File system archive	(All)
<input type="checkbox"/>	TECH-ARROW	File system archive	(Blanks)
<input type="checkbox"/>	TECH-ARROW	File system archive	(Non blanks)
<input type="checkbox"/>	TECH-ARROW	File system archive	Email archive
<input checked="" type="checkbox"/>	TECH-ARROW	File system archive	File system archive
<input checked="" type="checkbox"/>	TECH-ARROW	File system archive	SharePoint archive
<input type="checkbox"/>	TECH-ARROW	File system archive	
<input type="checkbox"/>	TECH-ARROW	File system archive	
<input type="checkbox"/>	TECH-ARROW	File system archive	\\tacatest\tacatest
<input type="checkbox"/>	TECH-ARROW	Email archive	dne@ta.internal
<input type="checkbox"/>	TECH-ARROW	Email archive	SNE@ta.internal
<input checked="" type="checkbox"/>	TECH-ARROW	Email archive	ANE@ta.internal
<input type="checkbox"/>	TECH-ARROW	SharePoint archive	Testing site
<input type="checkbox"/>	RFA test	File system archive	C:
<input checked="" type="checkbox"/>	RFA test	File system archive	C:
<input type="checkbox"/>	RFA test	File system archive	C:\00

The selected entities will be displayed under the **Select** button. Select the information you want to search for, or define your own pattern and click on the **Search** button.

Search for personal data
Search for all sensitive data

SEARCH FOR ALL SENSITIVE DATA

Sensitive information is data that must be protected from unauthorized access to safeguard the privacy or security of an individual or organization.

Search in Select

File system archive: C:\TESTFILES1, C:\TESTFILES8
Email archive: dne@ta.internal, ANE@ta.internal

Known patterns

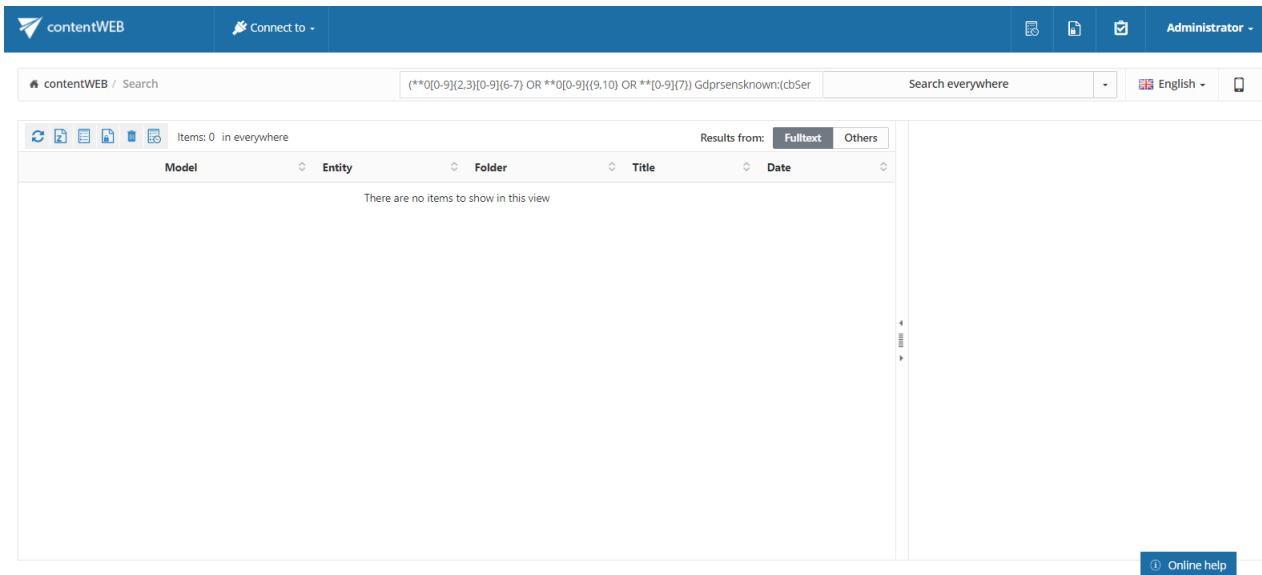
- Bank account IBAN
- Bank account BBAN
- Credit card VISA
- Credit card Mastercard
- Credit card Amex
- Phone number

Custom pattern

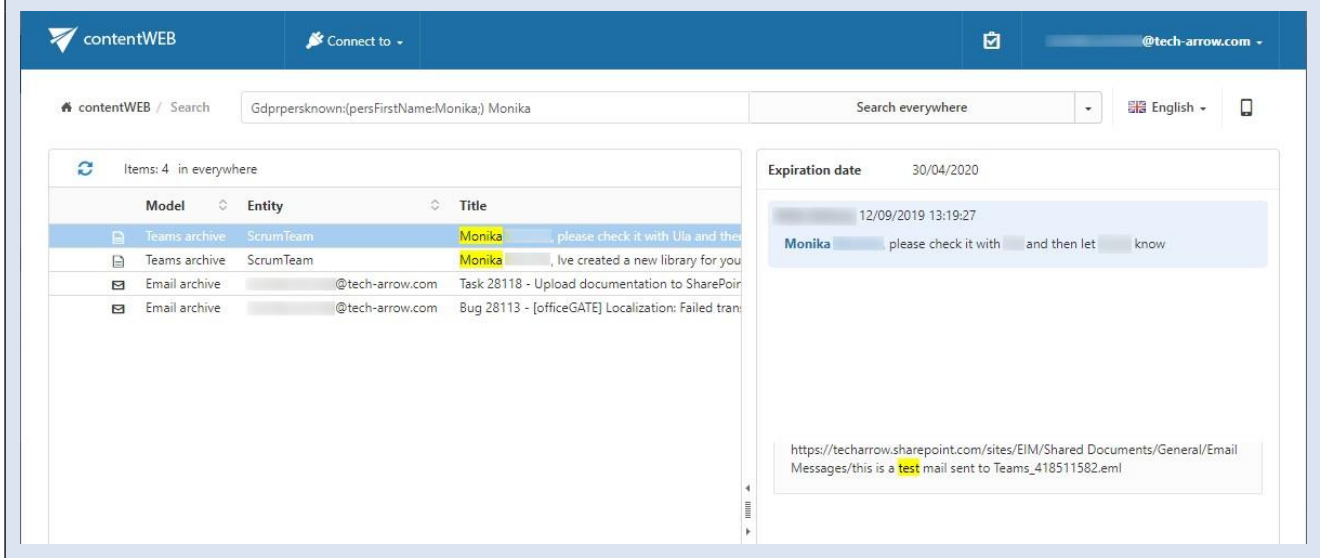
Search

[Change template](#)

The search results will be displayed and you can perform all the actions as with results of **Quick search** or **Advanced search** – export, create report, legal hold, mark for delete and even create periodical search.

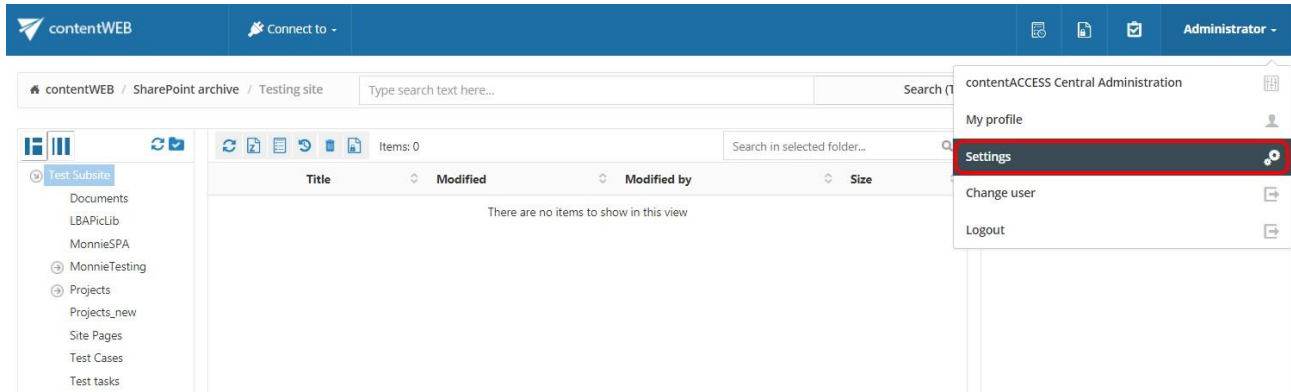


Note: If **Enable hit highlighting** is turned on in [Central administration](#), the located words will be highlighted with a yellow color like on the screenshot below.



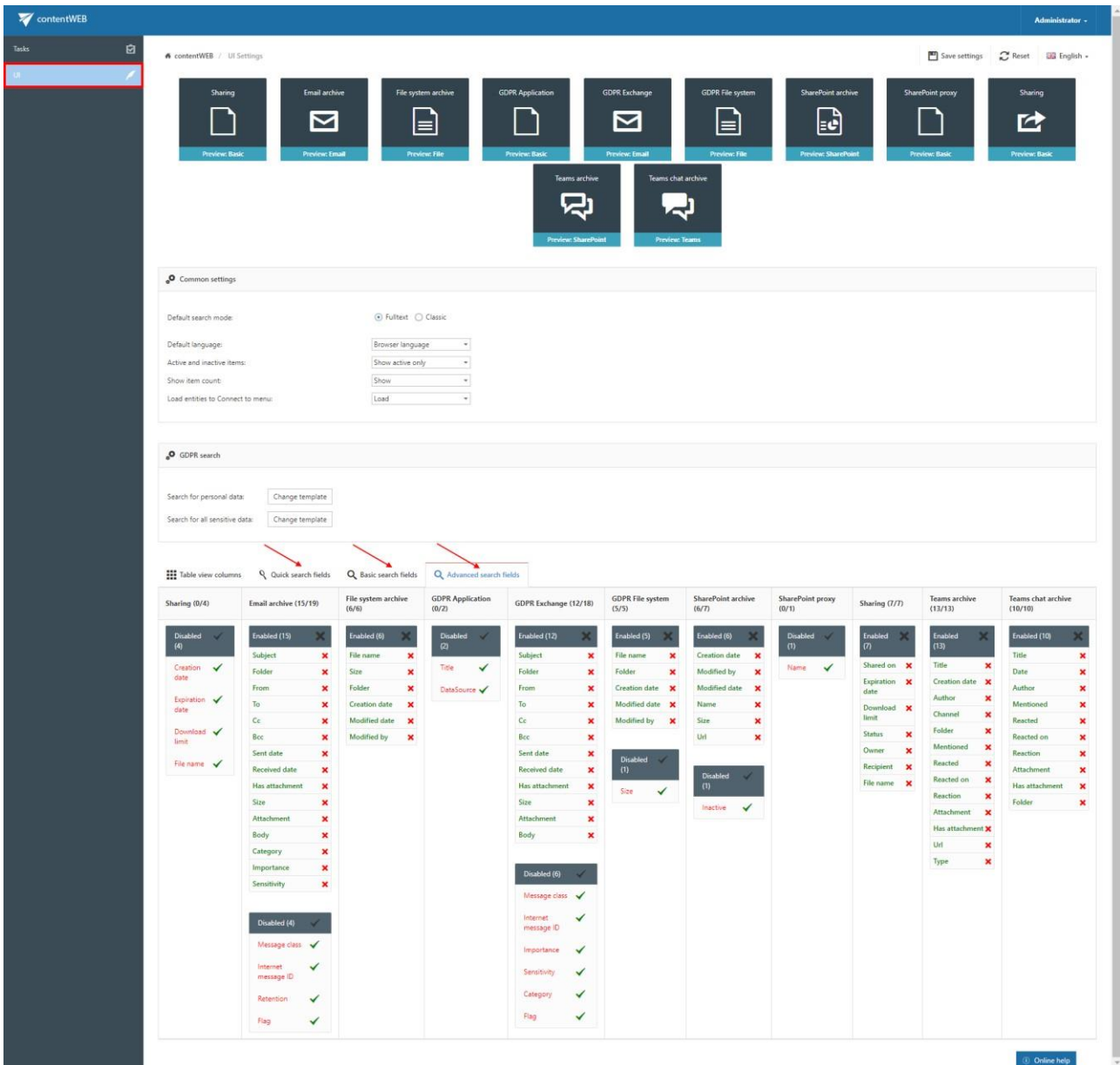
Editing Quick, Basic and Advanced search criteria

The search criteria that the contentWEB quick search and advance search use may be edited by the system administrator. To edit these criteria, open the **Administrator** menu and click on **Settings**.



Switch to **UI settings** with clicking on **UI** in the left panel. Open the

- **Quick search fields** tab to edit the search fields that the quick search uses
- **Basic search fields** tab to edit the search fields that the basic search uses
- **Advanced search fields** tab to edit the search fields that the advanced search uses

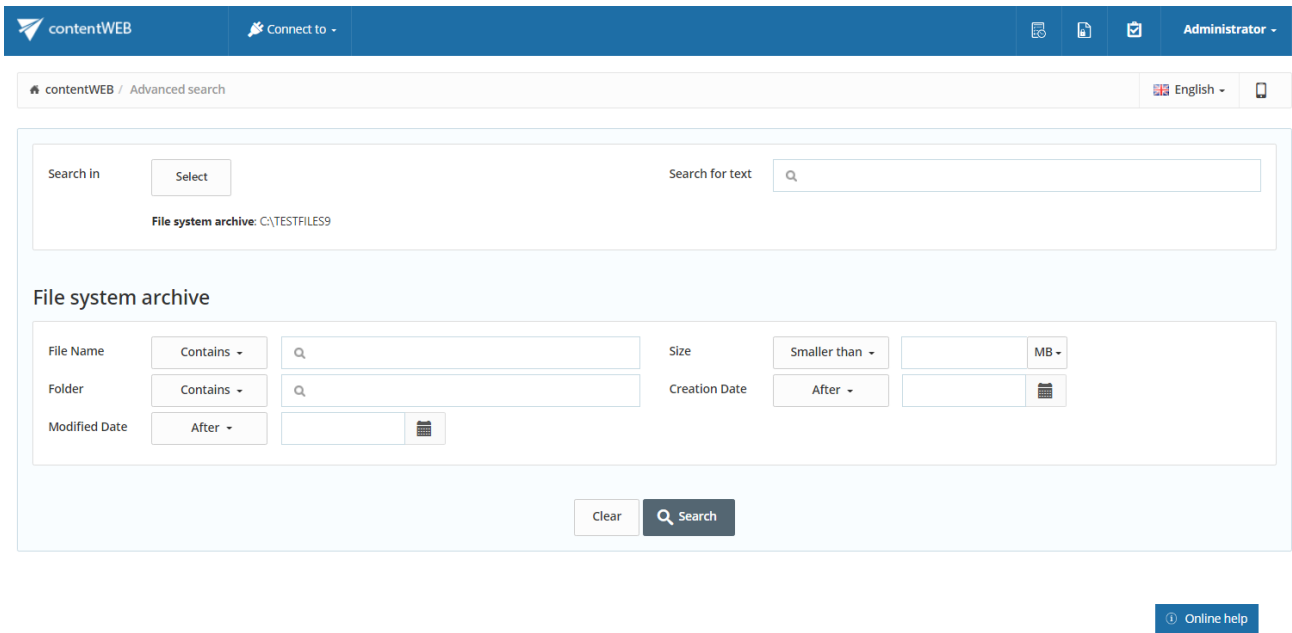


New search fields may be enabled/disabled for the available models (Email Archive, File Archive etc.) by clicking on the

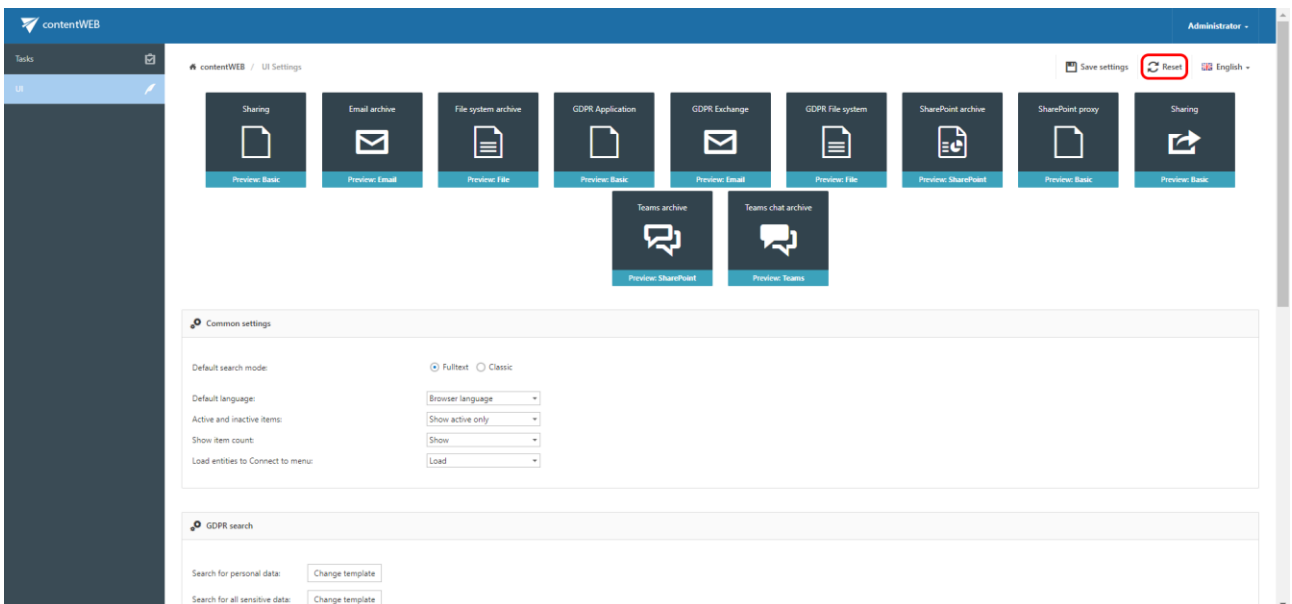
- check mark (✓) - means enable
- cross mark (✗) - means disable

next to the given model's field.

The enabled search fields will be added to/ the disabled fields will be deleted from the **Advanced search** menu's search criteria.



The default search field settings can be reset by clicking the **Reset** button on the **UI settings** page:



eDiscovery process

Electronic discovery, or **eDiscovery**, is the process of identifying, gathering and processing data stored in electronic form in response to a request in legal proceedings such as litigation,



law suit or government investigations.



The **first step** is to search for the data you want to/need to find and process. This can be easily done by using the search function in contentWEB and applying filters to narrow down the search. For this task, we recommend one of the following options (or even combination of them, if necessary):

- [Fulltext search](#) - search in the entity selected in **Connect to** by multiple criteria
- [Advanced search](#) - search in multiple entities by multiple criteria
- [GDPR search](#) - if you need to search for sensitive data (items containing name, phone number, address, card number, etc.)

After the search has been performed, it is possible to configure a [Periodical search](#). Thanks to this feature the user won't have to manually search if someone worked with sensitive data, but can let the system do the work instead. The system will be also sending notification emails with the results of the periodical search to the specified recipients - this way **any data leakage can be detected very soon**.

Create periodical search ✕

Search name:

Notification recipients:

Tenant:

Keep results:

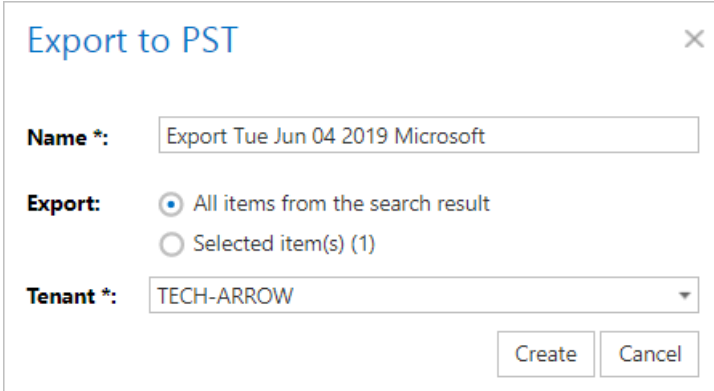
Recurrence:

Sunday
 Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday

At:

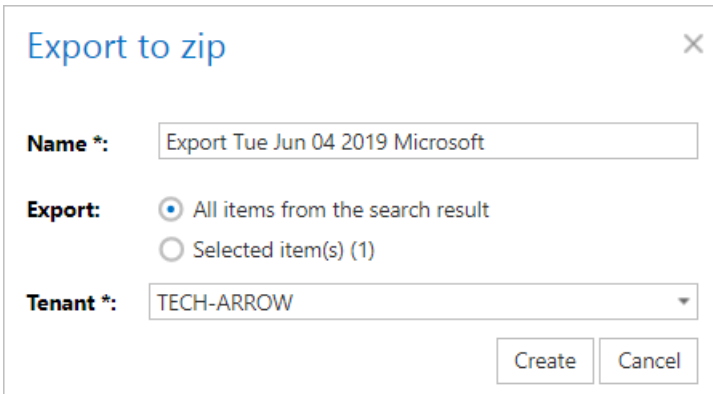
Description:

The search results can be exported as **PST** (if the results are only from Email archive) or **ZIP** file. The ZIP file will also contain [Manifest file](#) - an .xls file that contains summary about the exported items. Export actions can be [downloaded](#) from **Tasks list** or **Tasks page**.



The screenshot shows a dialog box titled "Export to PST" with a close button (X) in the top right corner. It contains three main sections: "Name *:" with a text input field containing "Export Tue Jun 04 2019 Microsoft"; "Export:" with two radio button options, "All items from the search result" (which is selected) and "Selected item(s) (1)"; and "Tenant *:" with a dropdown menu showing "TECH-ARROW". At the bottom right, there are two buttons: "Create" and "Cancel".

Screenshot: Exporting items as PST



The screenshot shows a dialog box titled "Export to zip" with a close button (X) in the top right corner. It contains three main sections: "Name *:" with a text input field containing "Export Tue Jun 04 2019 Microsoft"; "Export:" with two radio button options, "All items from the search result" (which is selected) and "Selected item(s) (1)"; and "Tenant *:" with a dropdown menu showing "TECH-ARROW". At the bottom right, there are two buttons: "Create" and "Cancel".

Screenshot: Exporting items as ZIP

The [legal hold](#) feature allows to create a legal hold case, where the user can put documents (searchresults) afterwards. **Documents that are under a legal hold case can't be deleted from the system until the legal hold case expires.**



Manage legal hold case ✕

Create new legal hold case

Update existing legal hold case

Name*:

Description:

Never expires

Expiration date:

Tenant*:

Only documents belonging to selected tenant going to be processed

All items (42 items)

Selected item(s) (1 items)

If you don't want to export search results as ZIP, but want to have an **.xls document with summary** about them (similar to the manifest file), it is possible to create one by using the [Create report](#) function. The report can be then downloaded from **Tasks list** or **Tasks page**.

Report ✕

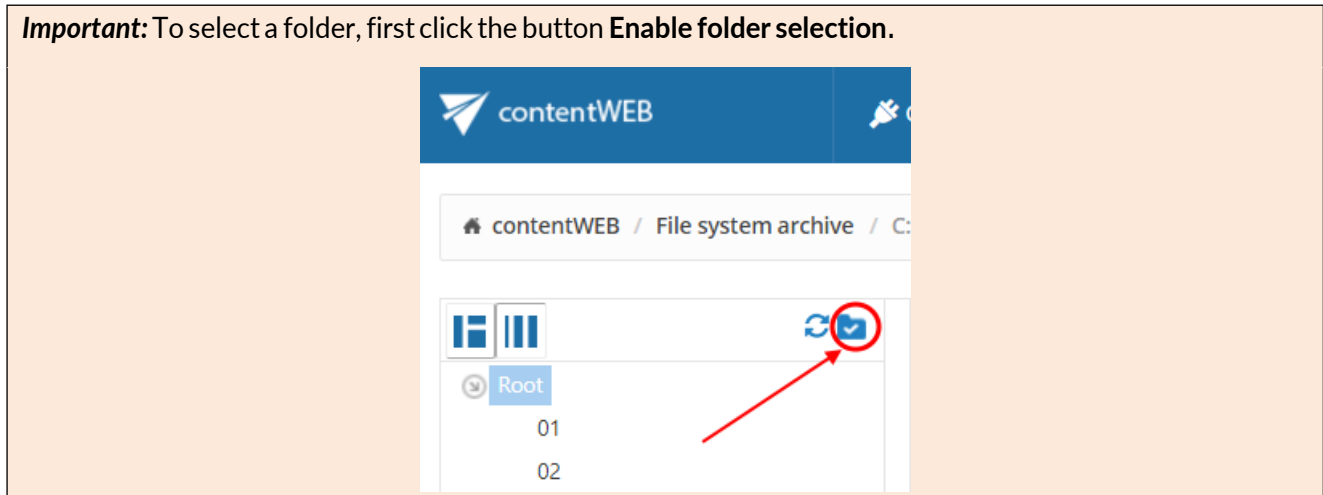
Name *:

Export: All items from the search result
 Selected item(s) (1)

Tenant *:

Folder selection methods

In the following subchapters we will describe how multiple folders/items may be selected in the contentWEB pane/in the items grid. Any operations may be started on multiple items/folders that are selected. These operations are described in more details in section [Tasks supported by different entities](#).



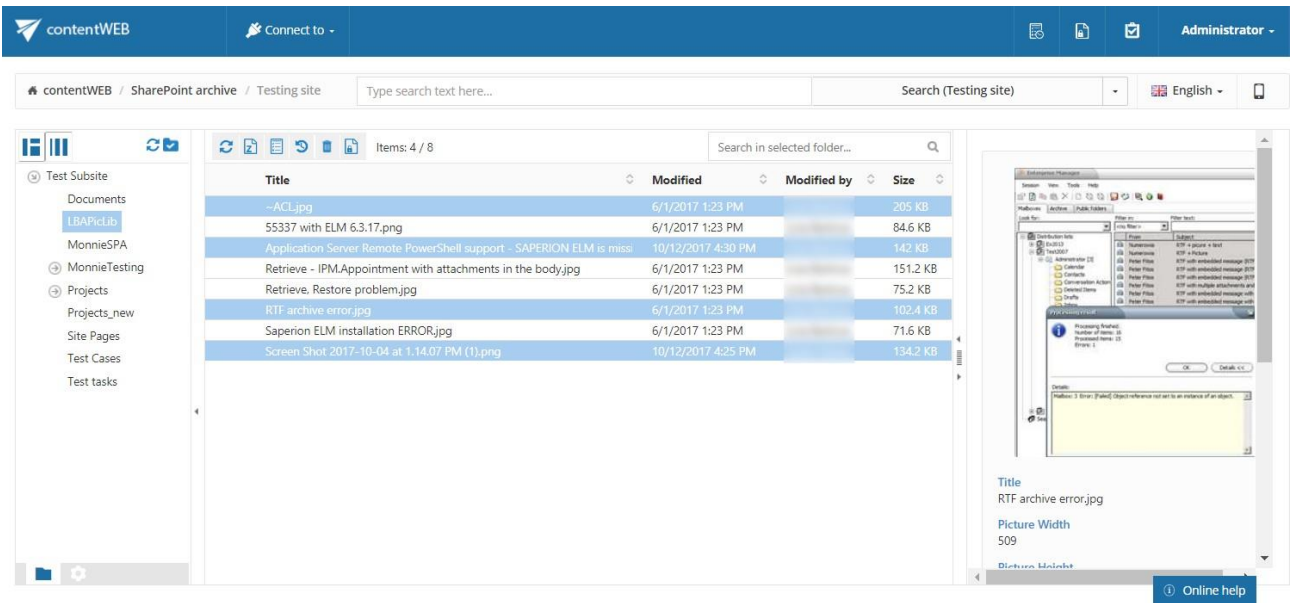
Multi-selection

Multiple item selection:

If the user would like to perform any operations on the contentWEB items from the grid (item list), he can **select multiple items** for processing.

The user may select multiple **items in the item's grid** with

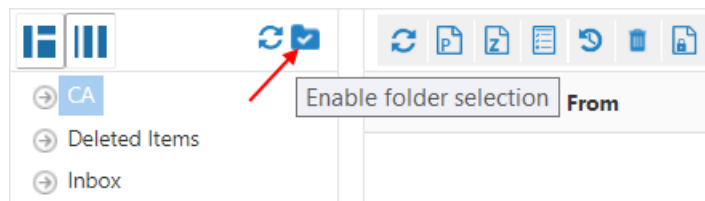
- holding down the CTRL/SHIFT keys and selecting multiple items to process (like on the picture below);



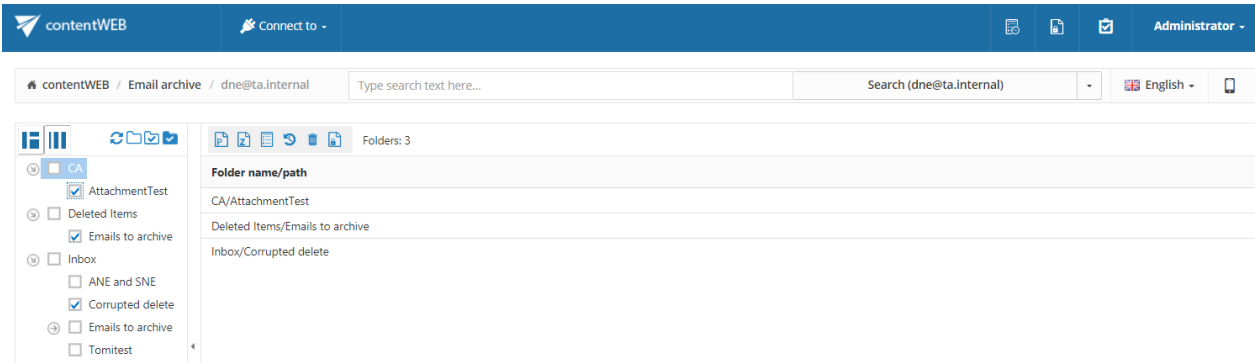
- CTRL + A - with this function the user may select the first 200 items from the grid.

Multiple folder selection:

An action can be run in parallel either on one or on multiple folders. First, you need to **Enable folder selection**.



To **select one or multiple folders** for processing, check the checkbox(es) next to the desired folder(s) in the **navigation pane**. The selected folders' paths will be displayed in the grid. Now you can run the desired action on the selected folders at one go.



contentWEB / Email archive / dne@ta.internal

Type search text here... Search (dne@ta.internal) English

Folders: 3

Folder name/path
CA/AttachmentTest
Deleted Items/Emails to archive
Inbox/Corrupted delete

Recursive folder selection

First, folder selection must be enabled.



Then the user may select the

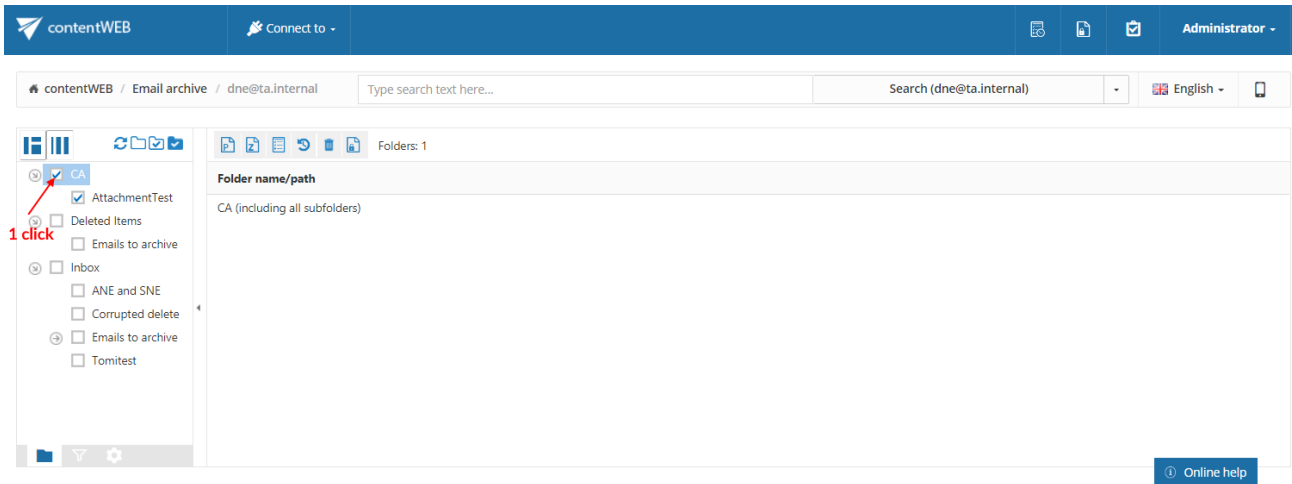
- **Entire folder structure** – by a) a **single click** into the checkbox of the main parent folder or b) using the **Select all folders** button
- **Recursive folder structure starting from a parent folder** – by a single click on the parent subfolder in the contentWEB's navigation pane.

By **double clicking** the parent folder's checkbox, **only the parent will be selected**, on **third click** the already selected folder will be deselected.

Selecting the entire folder structure:

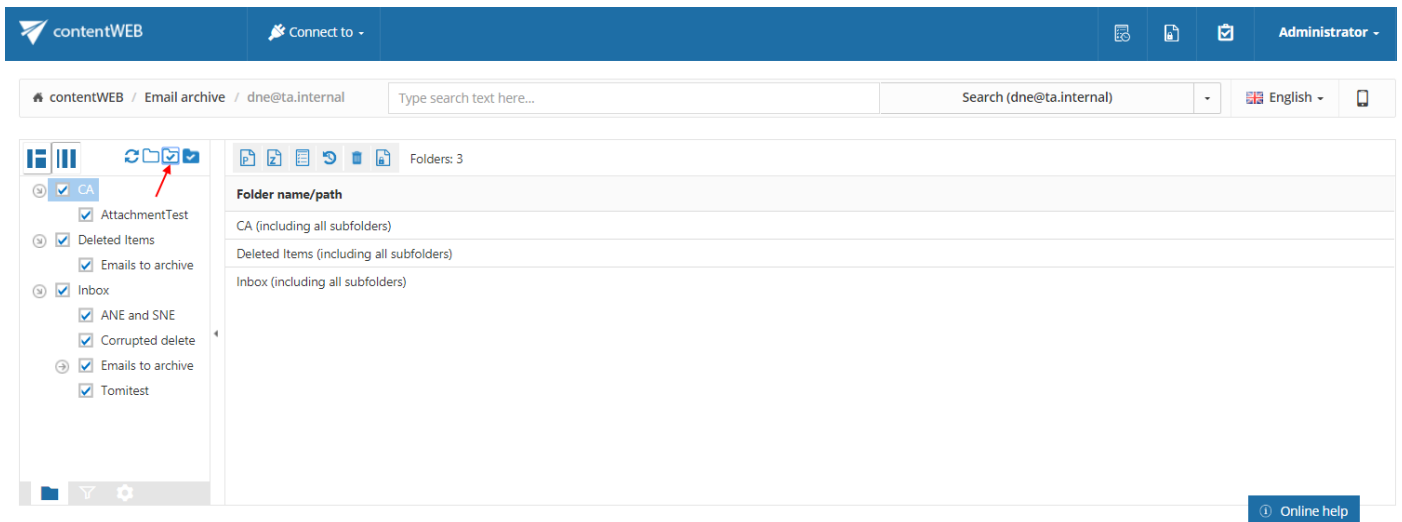
The user may select the **whole recursive folder structure** by

- a **single click** into the checkbox of the main parent folder. The information that the subfolders have been also selected is involved in the grid, and the path is marked with a black color.



Screenshot: Selecting the whole recursive folder structure using the single click option

- Clicking on the **Select all folders** icon above the contentWEB pane:

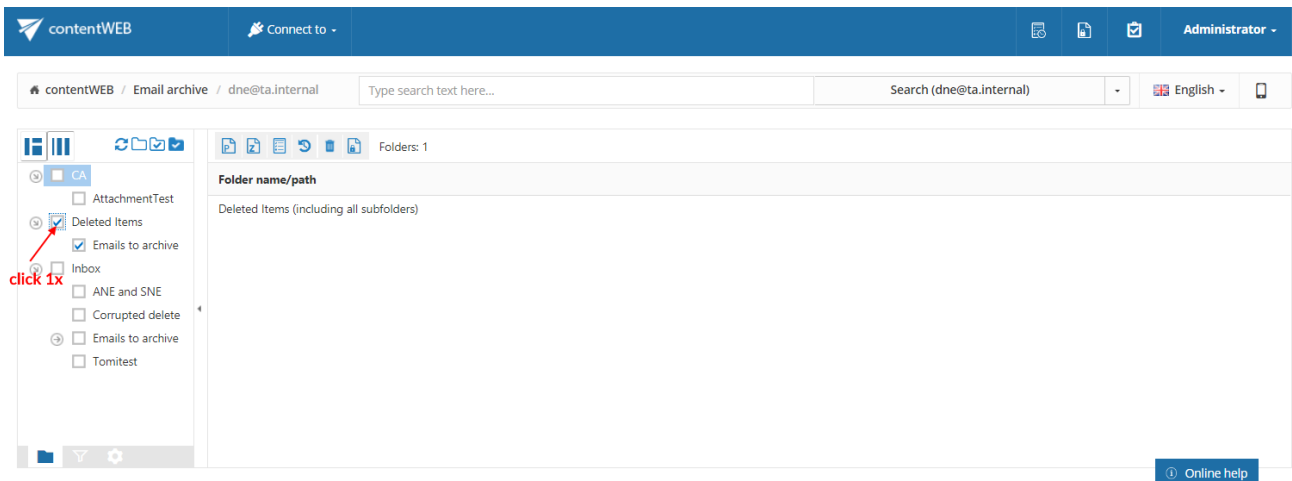


Screenshot: Selecting the whole recursive folder structure using the **Select all folders** icon

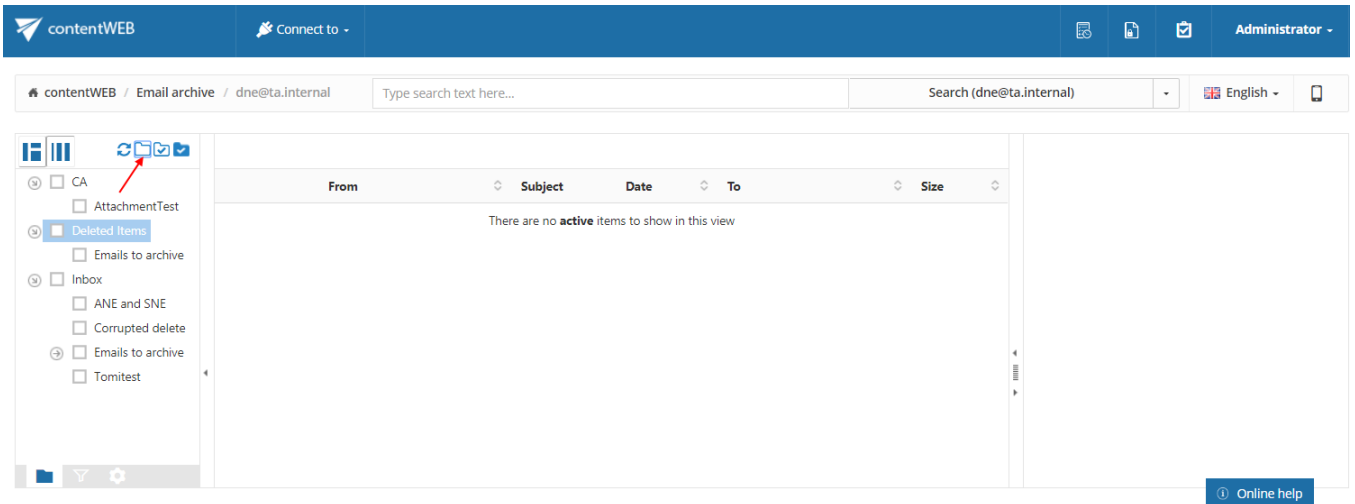
Selecting a recursive folder structure starting from a parent folder:

The user may select a folder structure starting from a parent folder

- by clicking **1x** into the checkbox of the **given parent folder** (e.g. Deleted Items on the picture below):



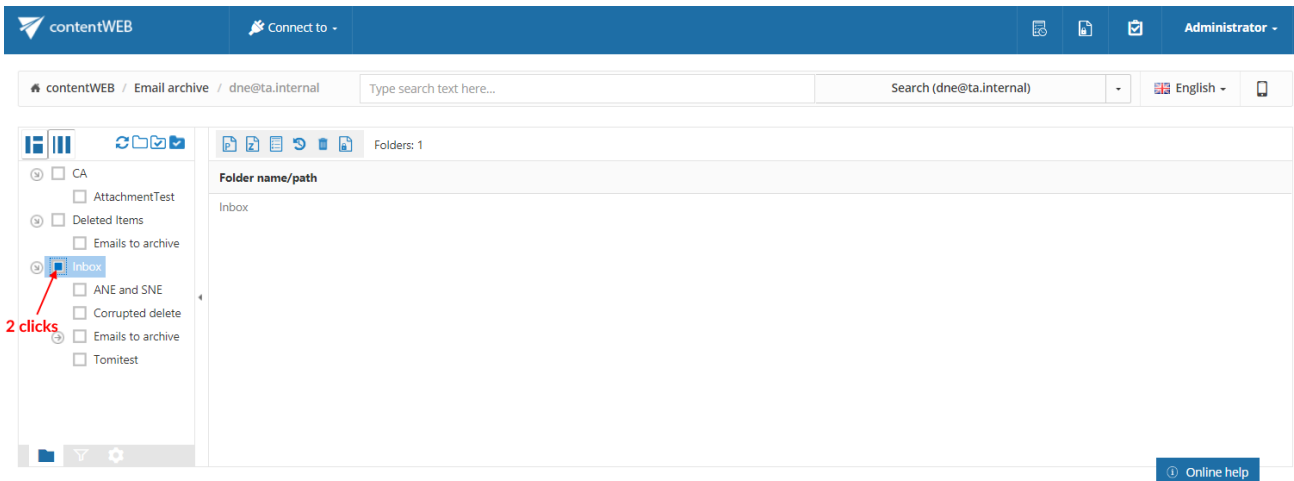
- use the **Deselect all folders** icon above the contentWEB pane to deselect all already selected folders:



Screenshot: Deselecting the whole recursive folder structure using the **Select none** icon

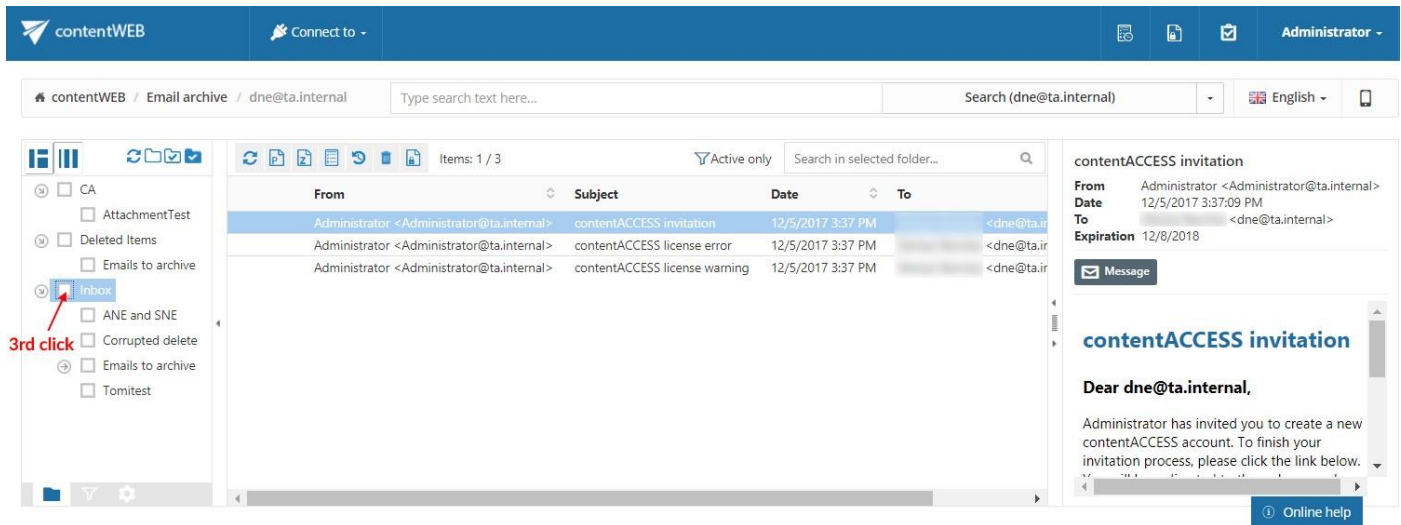
Selecting the parent folder without its subfolders:

If the user wants to exclude the child folders from processing and would like to process the **selected parent folder** only, he has to **click the parent folder twice** as illustrated on the below displayed screenshot. In this case, the folder path will be marked with a grey color in the grid.



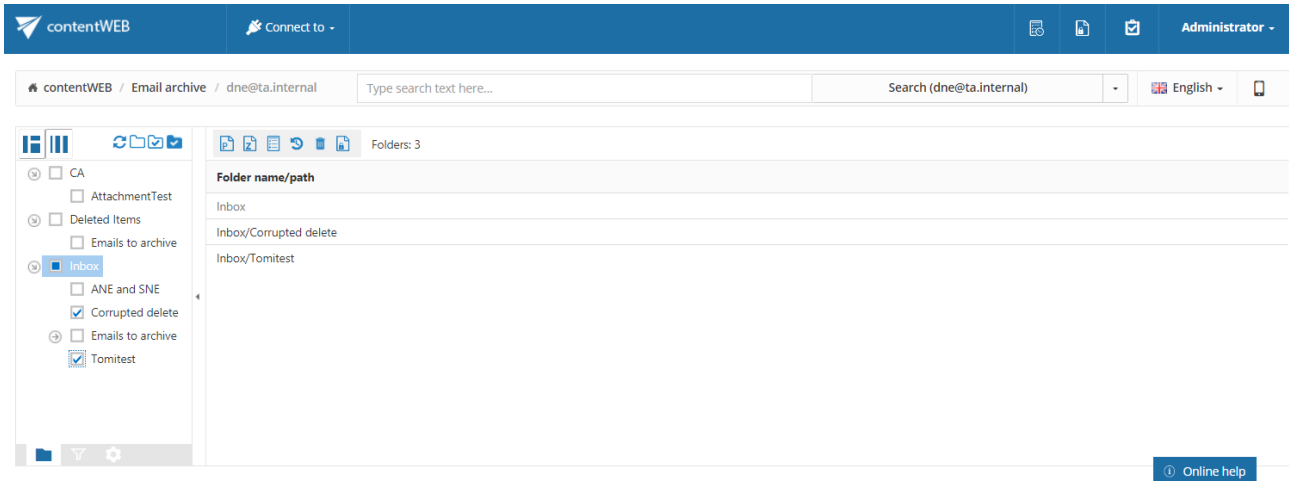
Screenshot: Selecting the parent folder by double-clicking the check box

On **third click** the **parent folder will be automatically deselected**. The same can be achieved by clicking the **Deselect all folders** icon above the pane.



Screenshot: Deselecting the parent folder on third click

It is also possible to select the parent folder and only some of its child folders. To achieve this, double click the checkbox of the parent folder and check the checkboxes of those child folders that you would like to select.



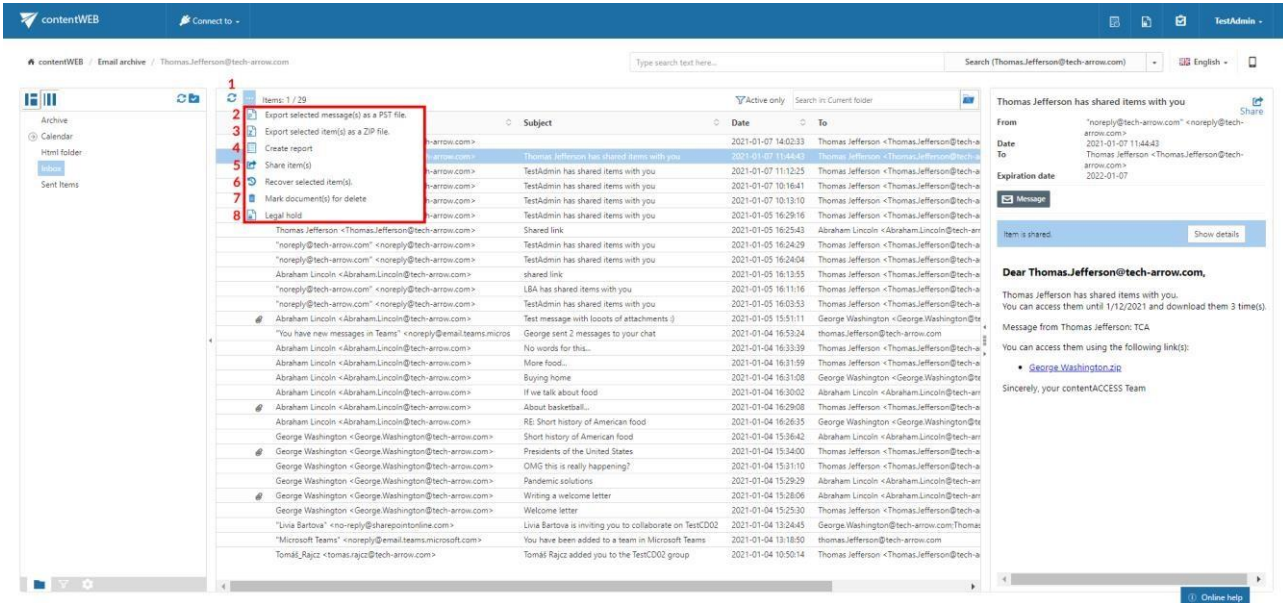
Screenshot: Selecting the parent folder and some of the child folders

Tasks supported by entities (models)

The tasks that are supported in contentWEB are entity-specific. The available tasks can be triggered using the appropriate toolbar buttons located above the items grid. There are 7 different tasks that can be run using these buttons, namely:

1. **Refresh** – the button is used to manually update the item list;
2. **Export to PST** – exports selected mailbox items/folders or all items of the selected folder into Outlook PST format;
3. **Export to ZIP** – exports selected items/folders or all items of the selected folder into a compressed ZIP format; emails are saved as MSG files and are compressed to ZIP format
4. **Create report** – creates a XLS file containing a list of the selected files and their details
5. **Share item(s)** – share items with selected users or your whole organization directly from contentWEB, without the need to use any other applications nor send large attachments; single items can be shared by using the **Share** button in the upper right corner too
6. **Recovery** – recovers selected items, folders or the whole folder structure, if they were deleted from the original location (either from the mailbox or from the file system)
7. **Delete** – allows to mark/unmark documents for/from delete
8. **Legal hold** - allows to create a legal hold case, where the user can put documents afterwards. Documents which are under a legal hold case can't be deleted from the system until the legal hold case expires.

Important: Cross tenant sharing is **NOT** allowed. If the user you are logged in with is assigned to Tenant 1, then you cannot share data from Tenant 2, even if you have access to that data. You can view the sharing details but cannot share the items.



Screenshot: Toolbar buttons used to trigger Email archive tasks

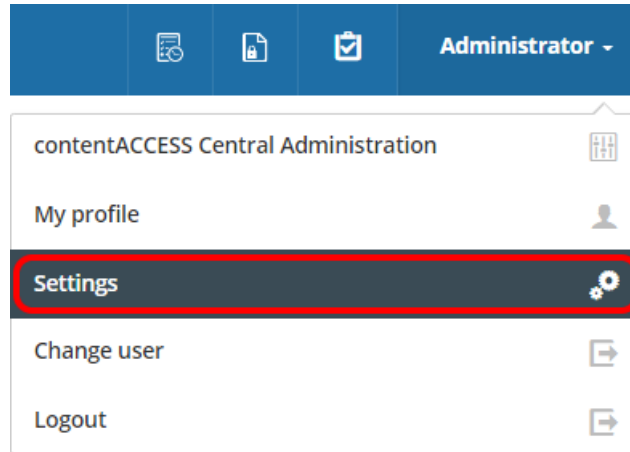
Toolbar buttons are available from the search page, too.



Note: For more information regarding these functionalities in File System Archive and Email Archive read sections [File Archive tasks](#) and [Email Archive tasks](#) of this guide.

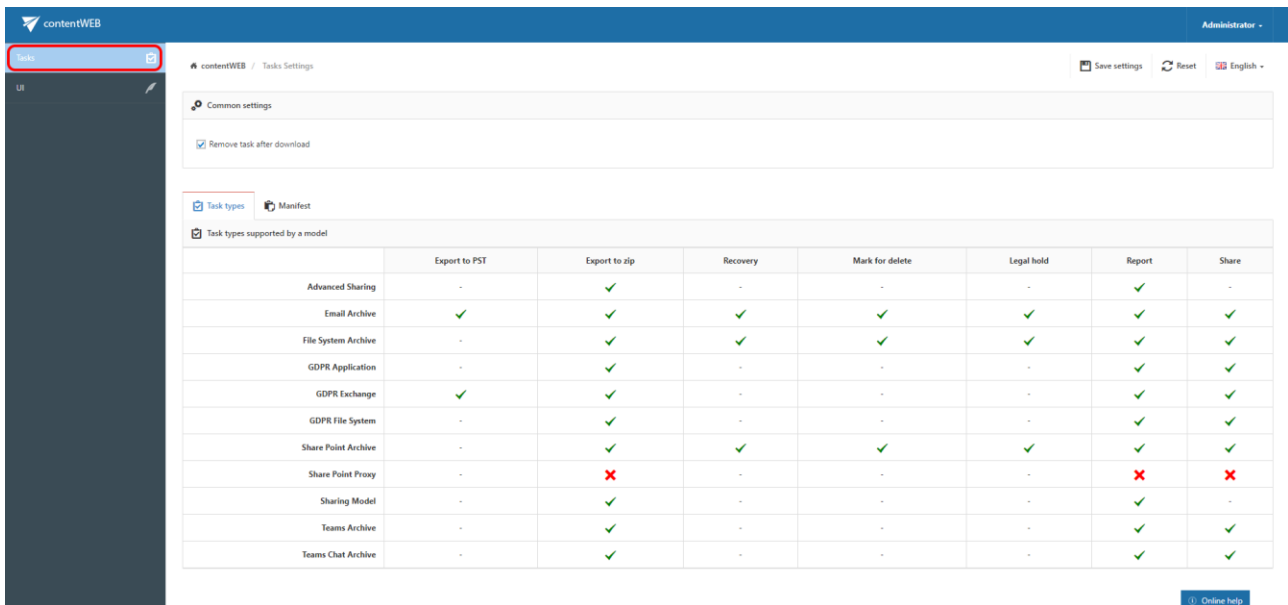
Enabling/disabling tasks

By default, all tasks available for an entity are enabled. However, the system administrator may configure if some tasks should be disabled/enabled for a given entity. This can be done from the administrators' settings page.

To open the page, navigate to the logged on user in the right upper part of the header bar, open the dropdown menu and click on **Settings**:



On the **Task types** tab the tasks enabled/disabled by an entity (model) can be seen. With clicking on the cross mark () the administrator may enable a particular task; with clicking on the check mark () he may disable the task again.



If some changes are made, they need to be saved using the **Save settings** button. If the user has made some changes without saving, he will be notified when leaving the page.

contentWEB Administrator -

Do you want to leave this site?
Changes you made may not be saved.

Leave Stay

Common settings

Remove task after download

Task types Manifest

Task types supported by a model

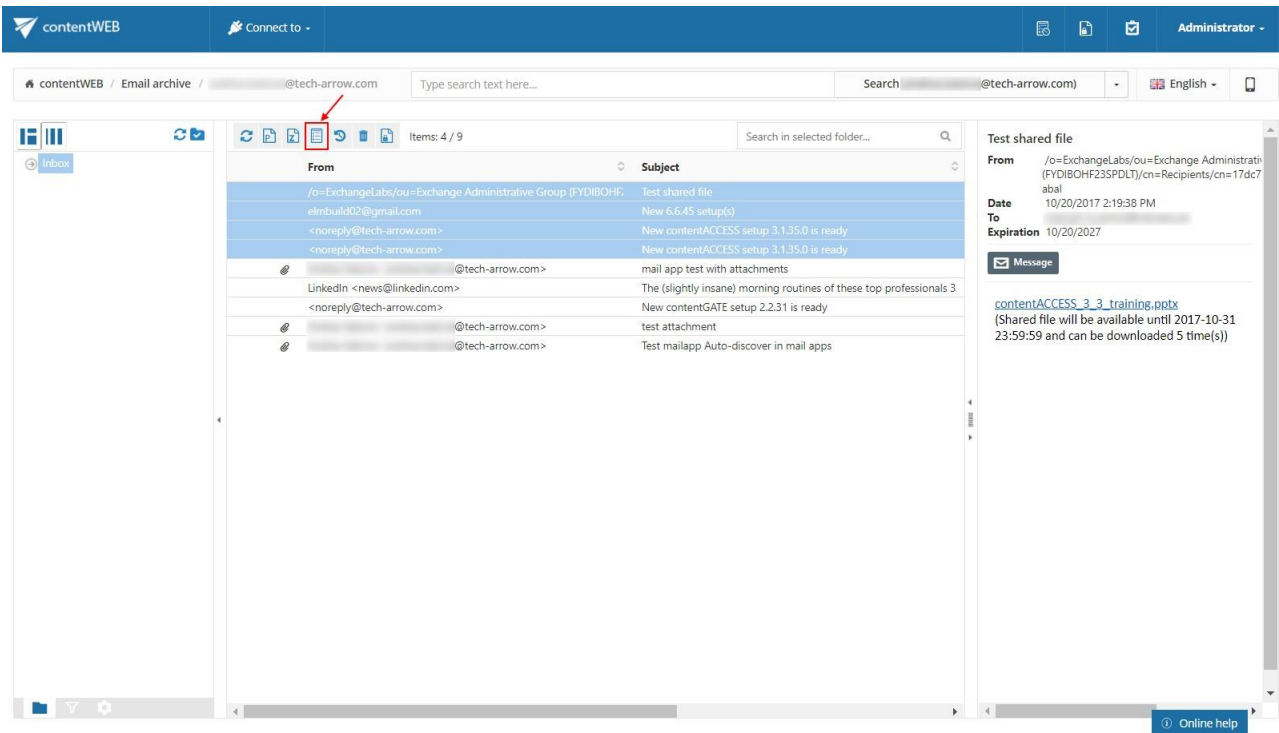
	Export to PST	Export to zip	Recovery	Mark for delete
Advanced Sharing	-	✗	-	-
Custom	-	✗	-	-
Email Archive	✓	✓	✓	✓
File System Archive	-	✓	✓	✓
GDPR Application	-	✓	-	-
GDPR Exchange	✓	✓	-	-
GDPR File System	-	✓	-	-
	-	✓	-	-
	-	✗	-	-
Share Point Archive	-	✓	✗	✓
Teams Archive	-	✓	-	✓
Teams Chat Archive	-	✓	-	✓

Online help

Create report

The **Create report** task creates a XLS file, which can be later downloaded from the Tasks list or Tasks page. The downloaded file is saved on the resource storage. It contains a summary about the selected items.

To create a report file, select some items and click on the **Create report** button.



A pop-up window opens. Name your report and choose if you want to get summary of all items (all items in the selected folder) or only of the selected items. Click **Create**.

Report
✕

Name *:

Export:

All items
 Selected item(s)

Download the file from the Tasks list or the Tasks page.

Administrator			
Tasks list			
Description	Status	Progress	
Report Wed May 30 2018	Done	100%	
contentWEB Export 5/30/2018 test4	Done	100%	
contentWEB Export 5/30/2018 test3	Done	100%	
contentWEB Export 5/30/2018 test2	Done	100%	
contentWEB Export 5/30/2018 test1	Done	100%	

+ 106 other tasks

On the **Summary** tab the user may view the task summary information, the creation date and who created the report action and the total number of the items.

Report Wed May 30 2018	
Tenant:	Tech-Arrow
Created on:	5/30/2018 2:27:03 PM
Created by:	Administrator
Email archive	
Number of items	4

Summary | Email archive

On the **Entity** tab (the tab is named based on the entity of the items) the user may find the title of the items, their type, size and path of each item.



Email archive											
Title	Type	Size	Path	Date	Subject	From	To	Message c	Has attach	Importanc	Mailbox
Test shared file	msg	18 KB	Inbox	2017-10-2	Test share /o=Exchan			IPM.Note	False	1	@tech-arrow.com
New 6.6.45 setup(s)	msg	76 KB	Inbox	2016-11-3	New 6.6.4 elmbuild02			IPM.Note	False	1	@tech-arrow.com
New contentACCESS setup 3.1.35.0 is ready	msg	56 KB	Inbox	2016-11-2	New conte<noreply@<build_not			IPM.Note	False	1	@tech-arrow.com
New contentACCESS setup 3.1.35.0 is ready	msg	88 KB	Inbox	2016-11-2	New conte<noreply@<build_not			IPM.Note	False	1	@tech-arrow.com

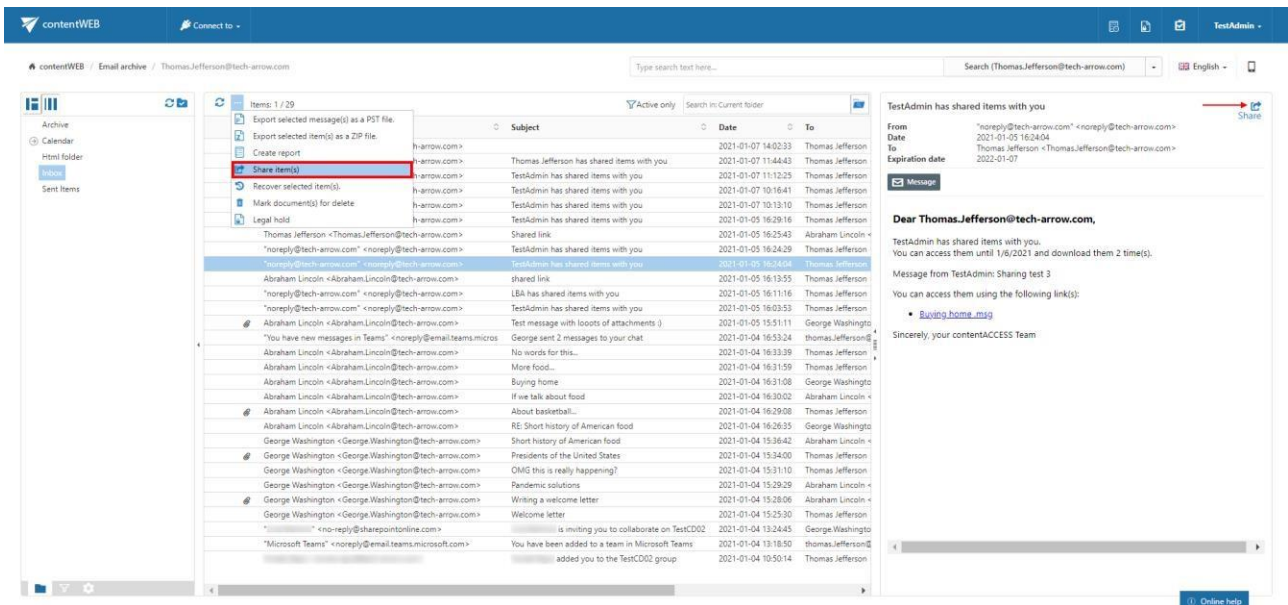
Share item(s)

The **sharing feature** allows the user to specify the restriction and retention to be applied for the shared items when sharing them. This eliminates the need to retrospectively check the shared files and revoke access to older files.

It also automates the **user invitation** process in case the items are shared with an external recipient and sends an email with links pointing to the shared items. This makes the sharing very fast and useful for end users.

From the security side, it provides full **Auditing** log about the sharing user, who was downloading the file, when and from which machine and location, etc.

To share any items, select them and then click on the **Share item(s)** option. If you want to share only one item, it is enough to use the **Share** button in the top right corner (marked with arrow on screenshot below).



A pop-up window opens.



Into the **Recipients** field, write the email addresses of the people you want to share the item(s) with. In **Sharing** options, specify who would you like to make the item(s) accessible for:

- **Recipients only** – even if the email with the link is forwarded, only the recipients will be able to access the shared item(s)
- **My organization** – only people from your organization (specified in Central Administration -> System -> Services -> Sharing settings) will be able to access the shared item(s)
- **Public** – anyone with the link will be able to access the shared item(s)

Note: The options **My organization** and **Public** can be currently selected only when using the **Share** button in the upper right corner. They also must be first allowed by the administrator in [Central Administration](#).

Specify how many days do you want the item to **expire in** or select the date from the calendar. It is also possible to **limit the number of downloads**, based on the option selected in **Share with**:

- **Recipients** – number of downloads per recipient
- **My organization** - number of downloads per user
- **Public** - number of downloads together

You can also save these sharing settings for future use by checking the **Remember these settings** checkbox. That way you won't need to fill in the **Sharing options** next time.

If you are sharing an email with attachments, you can choose if you would like to share **only those attachments** (even select only some of them) or **the entire email**.

Share email: News news news . ✕

What would you like to share?

Entire item

Attachment(s) only

News_Airline.docx

News_Greta Thunberg.docx

Recipients:

mne@ta.internal ✕

George.Washington@tech-arrow.com ✕

Sharing options

Share with:

Recipients only

My organisation

Anybody

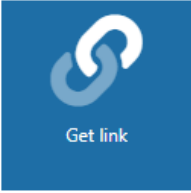
Expires after:

3 day(s)

2/6/2021

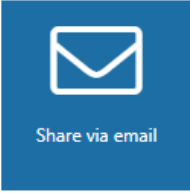
Limit number of downloads: 4 per recipient

Remember these settings



Get link


OR



Share via email

Finish the sharing by clicking on one of the two options: **Get link** or **Share via email**. If you select Get link, the link to the shared item(s) will be copied to your clipboard and you will get this window.

Sharing completed ✕



The sharing link was copied to the clipboard.

https://test-cd-02.tech-arrow.com/contentACCESSWS/MobilityService.svc/File/MyZTaGFyaW5nTW9kZWwmMCOkZGMwZDM5NmYtM2RmMC00NDMxLTlkY2MtZDZjOThhYzhlMDQ0JjExOTc%3D/TestAdmin%20has%20shared%20item%20with%20you.msg?m=sharing

[Copy](#)



If you select **Share via email**, the link to the shared item(s) will be inserted to the body of the email and you will be able to write a message, too. The subject of the email will be **[USER] has shared items with you**. Click on **Send** to finish the sharing.

Share email: News news news . ✕

What would you like to share?

Entire item

Attachment(s) only

News_Airline.docx

News_Greta Thunberg.docx

Recipients:

Sharing options

Share with:

Recipients only

My organisation

Anybody

Expires after: day(s)

Limit number of downloads: per recipient

Remember these settings

Message:

If an item has been shared before, it will be marked in its preview.

The screenshot shows an email inbox with a list of messages. The selected message is from 'TestAdmin' with the subject 'TestAdmin has shared items with you'. The preview pane on the right shows the email content, including a table with the following data:

Shared on	Shared with	Status	Action
2021-01-28	Mme.George	Active	Modify Status

The 'Shared on' and 'Shared with' columns are highlighted in red in the original image, indicating that this item has been shared previously.



If you have applicable rights and permissions, you will be able to modify the sharing settings. Click on the **Modify option**. The **Modify sharing options** window will open. Here, you will be able to add and/or remove recipients, change accessibility, the expiration date and download limit. The option **Save and get link** works the same as **Get link**, the option **Save and share via email** works the same as **Share via email**. The option **Save** just saves the changes that were made to the sharing settings.

Modify sharing options ×

Sharing options
Status

Recipients:

Sharing options


Share with:

- Recipients only
- My organisation
- Public


Expires in: day(s)

Limit number of downloads: globally


Remember these settings



Save and get link



Save and share via email



Save

When you click on the **Status option**, you will be redirected to the window where you will be able to view the status and information about the selected sharing. From here, it is also possible to **Activate or Suspend** the sharing. When an item (or whole sharing) is **suspended**, it is not possible to download it, until it is activated back again. If necessary, it is also possible to re-send the sharing notification by clicking on the **Send sharing notification** button.



Modify sharing options ✕

Sharing options
Status

Status: Active [Suspend sharing](#)

Shared by: Thomas Jefferson

Shared on: 2021-01-28

Expires on: 2021-02-17

Download limit: 20 globally

Shared with: Public

Shared files:

File name	Status
A 36 éven felüliek.msg	Active Suspend

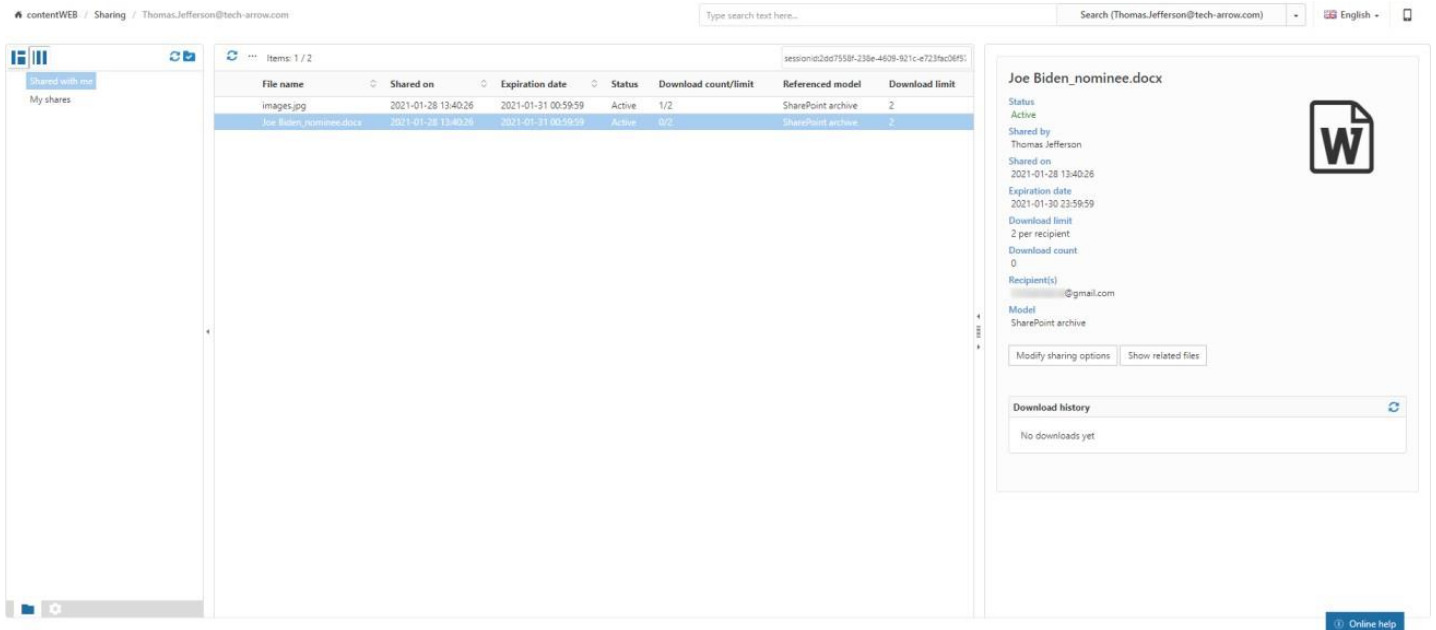
Send sharing notification

Close

When you connect to the **Sharing model**, some items will have the **Show related files** button in their preview. This means that the item was shared together with at least one more item and you can view the list of items by clicking on that button.

The screenshot shows the contentWEB interface. On the left, a list of files is displayed with columns for File name, Shared on, Expiration date, Status, Download count/limit, and Referenced model. The file 'Joe Biden_nominee.docx' is selected. On the right, a detailed preview of this file is shown, including its status (Active), shared by (Thomas Jefferson), and shared on date (2021-01-28). A red box highlights the 'Show related files' button in the 'Modify sharing options' section of the preview. Below the preview, there is a 'Download history' section which currently shows 'No downloads yet'.

The list will look for example like this:

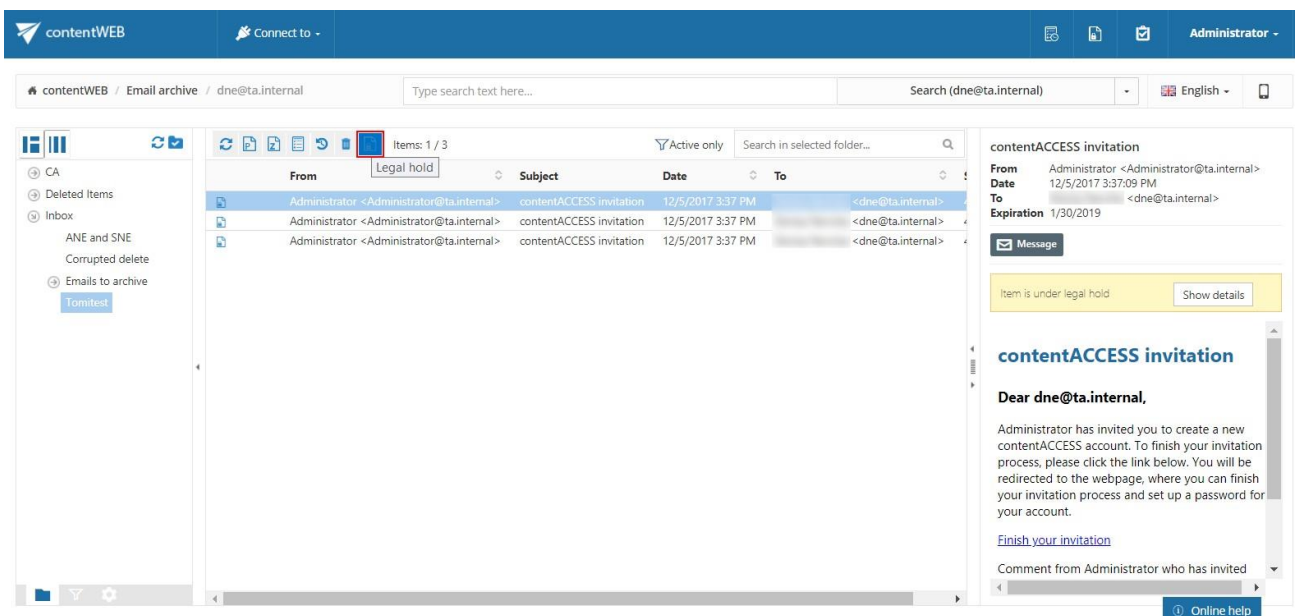


Legal hold

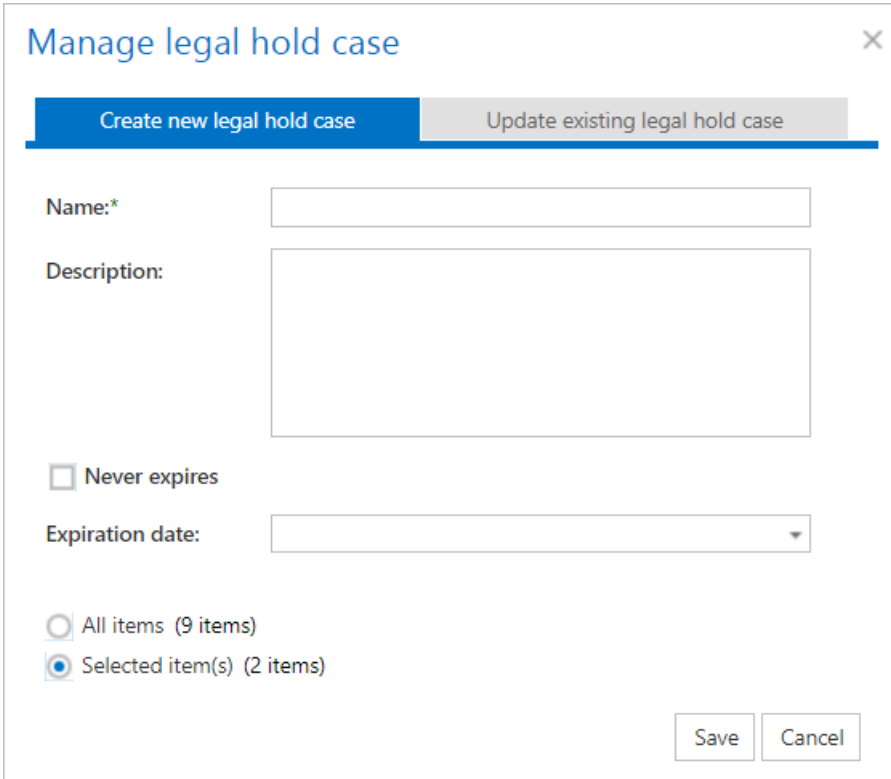
To learn about configuring Legal hold, please read [this](#) section first.

The document can be put into a legal hold case from:

- Selection (selecting one or more items or folders)
- Search result

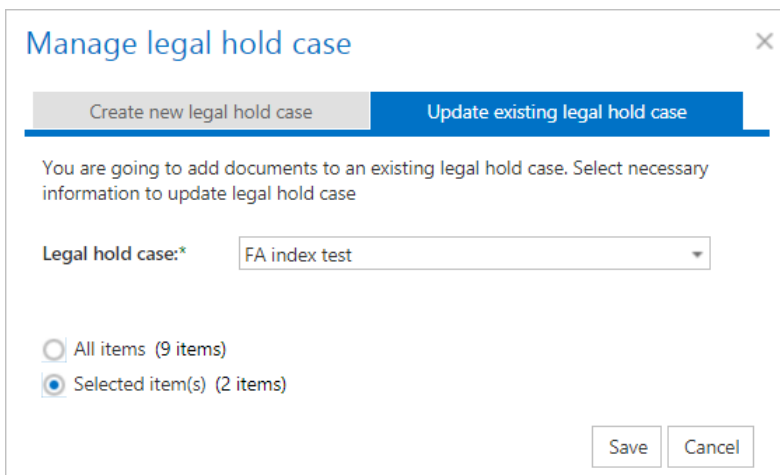


After some items are chosen and you click the **Legal hold** button, a pop-up will show up.



Here you can set a legal hold case. Name and expiration date are required. By checking the **Never expires** checkbox, the expiration date disappears. Radio buttons on the bottom indicate which items should be included into legal hold case (all items means all items in the folder that is selected in contentWEB).

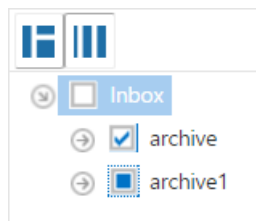
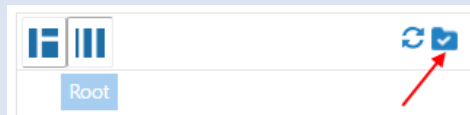
It is also possible to add items to an already existing legal hold case. If you wish to do so, select the option **Update existing legal hold case** and choose the case you want to add your item(s) to, then click **Update**.





You can create a legal hold case if you select a folder from the tree on the left side. There are 2 possibilities. First is when you click the checkbox and a checkmark appears in the box. It indicates that all documents in the folder will be processed recursively. Second is when you click 2 times on the checkbox, then a square appears, which means that only document on the first level in the folder will be processed.

Note: The folder selection must be enabled first.



The list of cases can be accessed from the upper right corner of the page, by clicking on the **Legal hold** icon.



The Legal hold view and management is controlled by the system's permission management, so only people with the correct permissions can manage or view legal hold cases and documents.

In the Legal hold cases page you can manage the existing legal hold cases, manually delete them or see details of the legal hold case including the document list. If an expiration date is specified for a legal hold case, then the system will automatically remove the legal hold from documents on case expiration.

In Legal hold cases page you can do 3 actions. In the upper left corner of the list is a refresh button (1) to reload legal hold cases. By double clicking on the row in table or by clicking on the info icon (2) in action column, you are redirected to the legal hold case detail view. By clicking the recycle bin (3) you can mark legal hold case for delete.



contentWEB Administrator

contentWEB / Legal hold

English

Name	Expiration date	Status	Creation date	Deleted	Action
Setups	7/30/2018	Waiting	6/19/2018 4:06:17 PM	No	3
Testing legal	Never expires	Finished	12/11/2017 10:57:43 AM	No	2

Online help

Legal hold case details view provides more information about a selected case. This page has 3 main parts. In the first part you find details of the legal hold case. In the second part there are information about tasks that were assigned to the legal hold case.

contentWEB Administrator

contentWEB / Legal hold / Testing legal

English

Testing legal

Description: Total tasks: 3
 Expiration date: Never expires Finished tasks: 3
 Creation date: 12/11/2017 10:57:43 AM Running tasks: 0
 Status: Finished Tasks with error: 0

Task type	Creation date	Status	Action
Add items	12/11/2017 10:57:43 AM	Done	
Add items	4/12/2018 10:51:48 AM	Done	
Add folders	6/19/2018 3:21:55 PM	Done	

Items: 0/8

Name	Folder	Entity	Date	Action
38010_mahou_shoujo_madoka_magica.jpg	C:\TESTFILES1\38010_mahou_shoujo_madoka...	C:\TESTFILES1	10/3/2017	
960x0.jpg	C:\TESTFILES1\960x0.jpg	C:\TESTFILES1	10/3/2017	
a-1024x768.jpg	C:\TESTFILES1\a-1024x768.jpg	C:\TESTFILES1	10/3/2017	
a35bb6d3af7c808a.jpg	C:\TESTFILES1\a35bb6d3af7c808a.jpg	C:\TESTFILES1	10/3/2017	
Outlook forms testing01	Inbox\Emails to archive	dne@ta.internal	11/3/2017	
contentACCESS invitation	Inbox\Tomitest	dne@ta.internal	12/5/2017	
contentACCESS invitation	Inbox\Tomitest	dne@ta.internal	12/5/2017	
contentACCESS invitation	Inbox\Tomitest	dne@ta.internal	12/5/2017	

Online help

There are many different task types. After double clicking on the task you can see some additional data about the selected task. If task is in error state, then error message is shown in this pop-up view.

Task details

Task type: Export items

Creation date: 5/19/2017

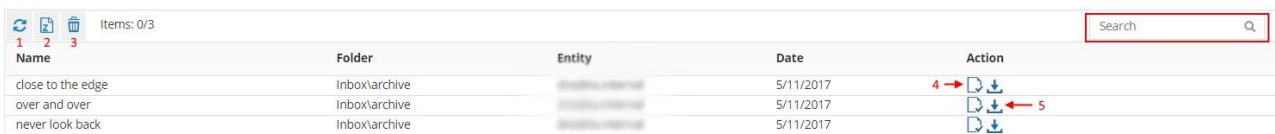
Status: Done

Close

Export tasks are special task, which have additional action in tasks list. If task is an export task and it is finished, then in action column you can see a download icon.

In the third part you can find documents, which belong to the current legal hold case. Here more actions are available. In the upper left corner of the documents list there is a refresh button (1) to refresh the view. Next to the refresh button is a zip icon (2), which indicates that you can create a zip export from the whole or just from selected documents. Next to the zip icon is a delete button (3) to delete selected item(s) from the legal hold case. In action column of documents list there are 2 buttons. First (4) will open a document in contentWEB and the second (5) will download it.

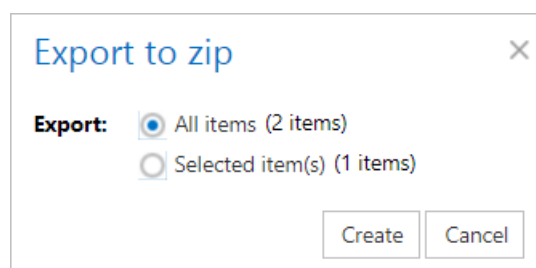
In the upper right corner is a search field. You can search in documents belonging to the legal hold case. Search will be performed against “Name” column. Search can be performed by hitting enter after you provide a search term. If you want to see the whole list again, then an empty search should be performed.



Name	Folder	Entity	Date	Action
close to the edge	Inbox\archive		5/11/2017	4 → [Open] [Download]
over and over	Inbox\archive		5/11/2017	[Open] [Download] ← 5
never look back	Inbox\archive		5/11/2017	[Open] [Download]

Exporting the documents

After selecting some documents (with “CTRL” + click multiselect is enabled), you can choose the export to zip button. A popup will appear with 2 possible settings.

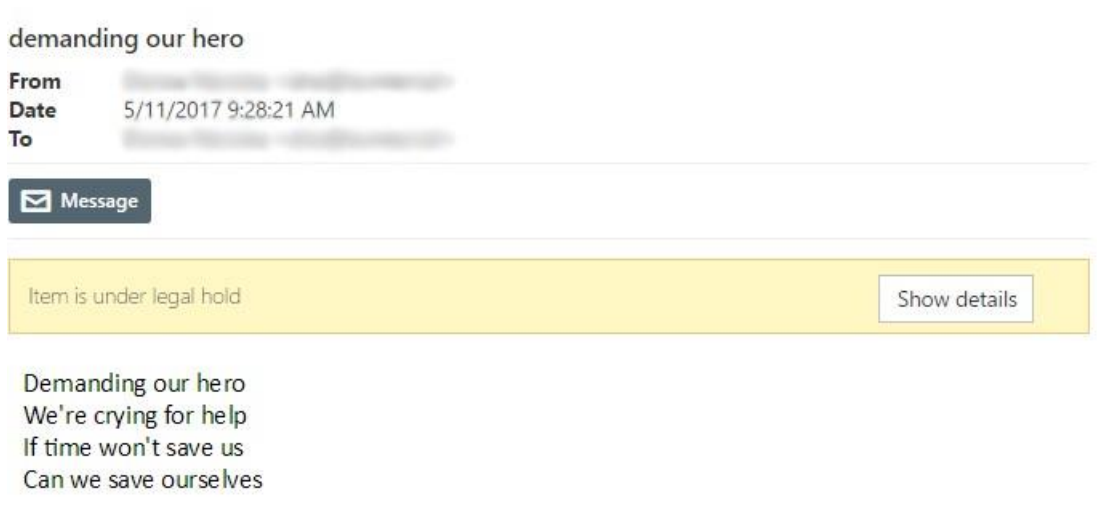


Here you can choose which items you want to export (all items in legal hold case or only some selected). By clicking on **Create**, a new export task is added to the legal hold case. It will be available as soon as the legal hold plugin processes the task. After it's finished a download link will appear in tasks list.



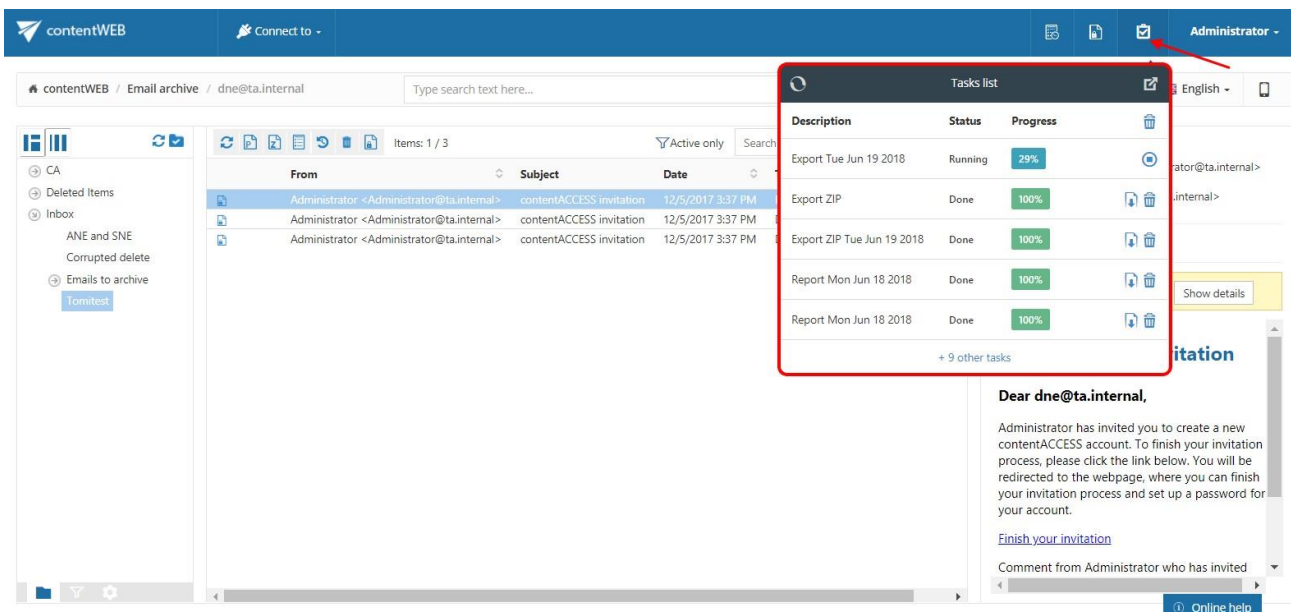
Task type	Creation date	Status	Action
Add items	5/11/2017	Done	
Export items	5/19/2017	Done	

Each document included in any legal hold is also marked and displayed for the user in search result and also in browsing mode.

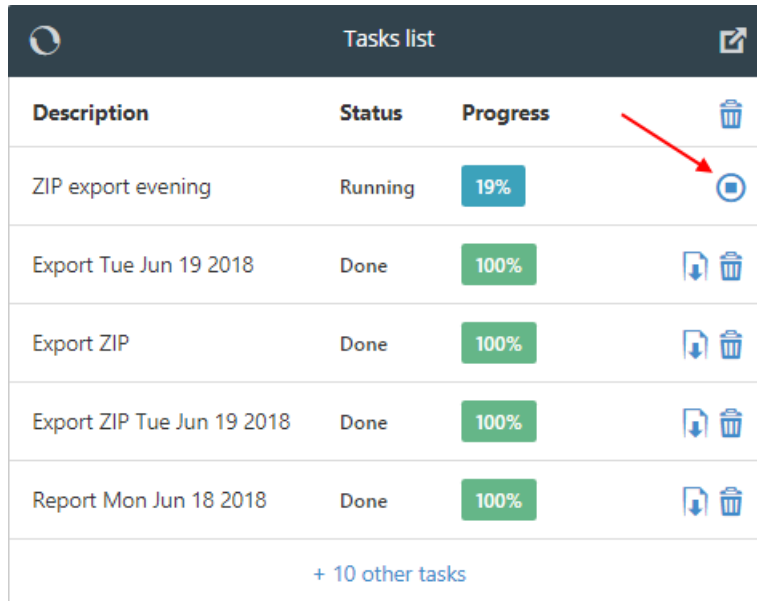











Tasks list

Export, recovery and delete tasks that have been completed/are currently running can be viewed in the **Tasks list**. Click on the task button in the head bar of contentWEB to expand the list of tasks:



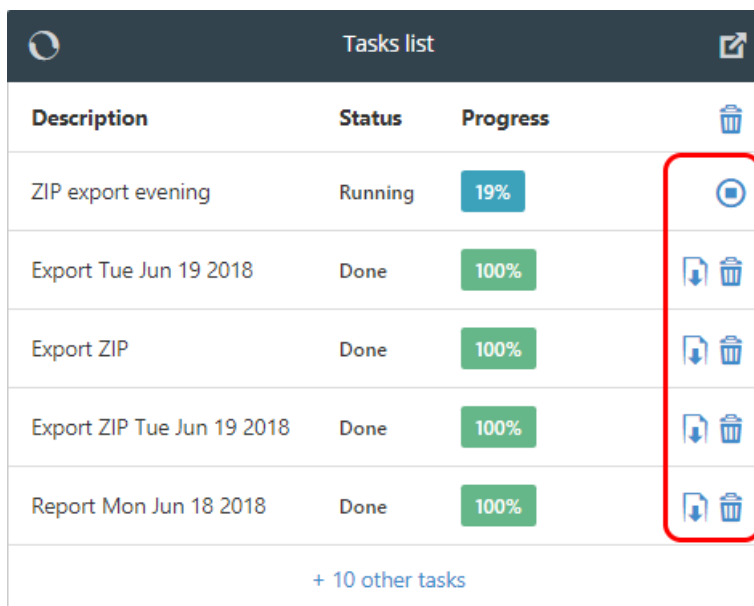
Currently running tasks can be cancelled by clicking on the **Cancel** button in the list.












Tasks list			
Description	Status	Progress	
ZIP export evening	Running	19%	
Export Tue Jun 19 2018	Done	100%	 
Export ZIP	Done	100%	 
Export ZIP Tue Jun 19 2018	Done	100%	 
Report Mon Jun 18 2018	Done	100%	 
+ 10 other tasks			

Screenshot: Cancelling an export task

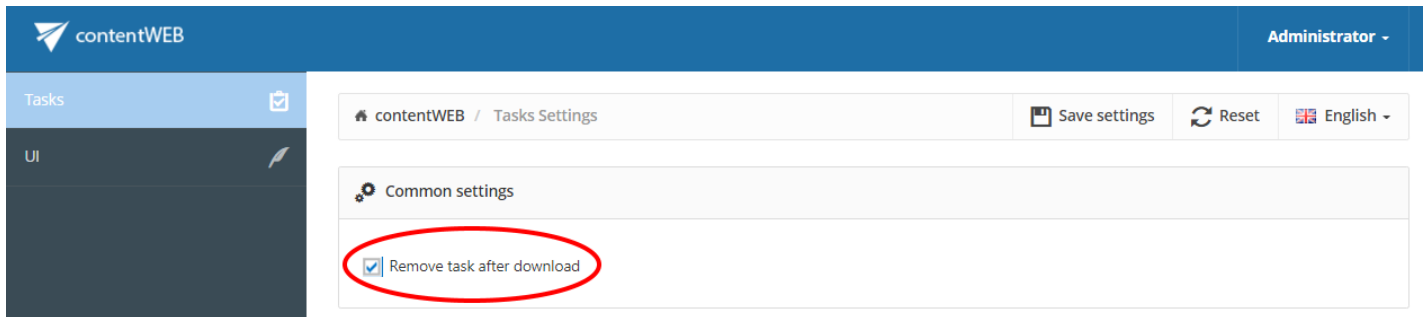
The finished export tasks can be downloaded from here. The unnecessary tasks can be deleted manually from the tasks list one-by-one by clicking on the recycle bin mark in the respective row. With this action the exported items will be deleted from the server too. All completed tasks may be deleted by clicking the bin mark in the first row.



Tasks list			
Description	Status	Progress	
ZIP export evening	Running	19%	
Export Tue Jun 19 2018	Done	100%	 
Export ZIP	Done	100%	 
Export ZIP Tue Jun 19 2018	Done	100%	 
Report Mon Jun 18 2018	Done	100%	 
+ 10 other tasks			

Screenshot: Download and deletion of the tasks

contentWEB allows to set the automatic deletion of already completed tasks. This configuration can be reached on the Task settings page. The page is accessible from **Settings** → **Tasks** → **Common settings**. If you want to use the automatic deletion, check the “Remove task after download” checkbox.

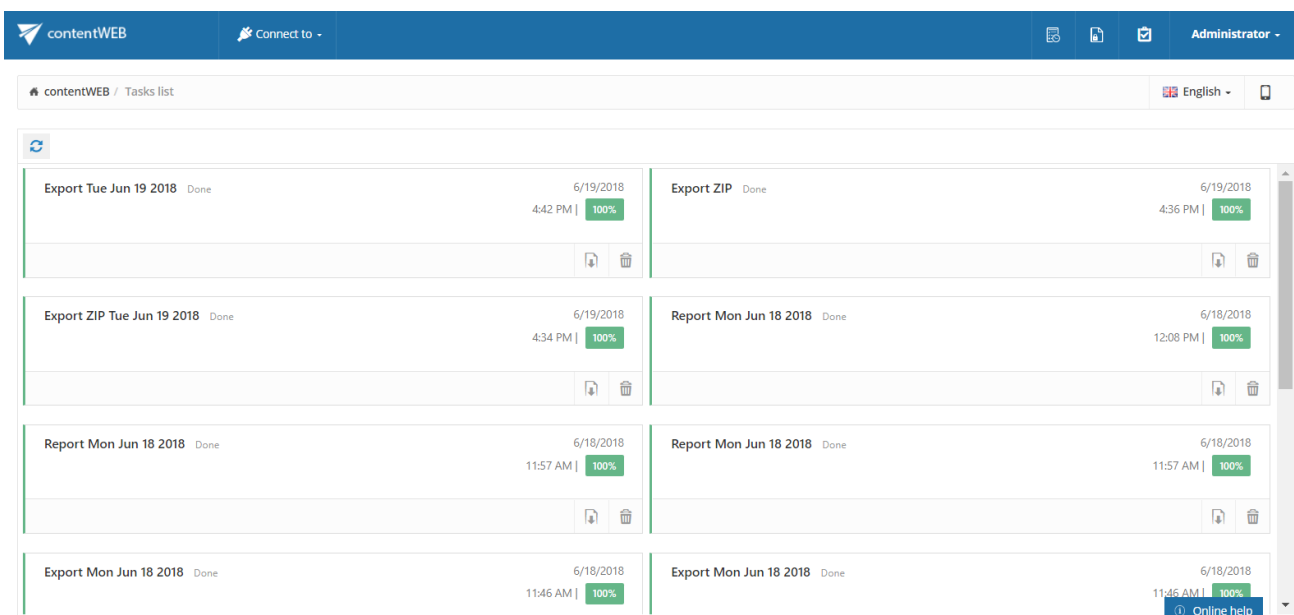


To show the complete task list on a new page, click on the page icon in the upper right corner of the Tasks list (📄) – this will navigate you to the [Tasks page](#).

Tasks page

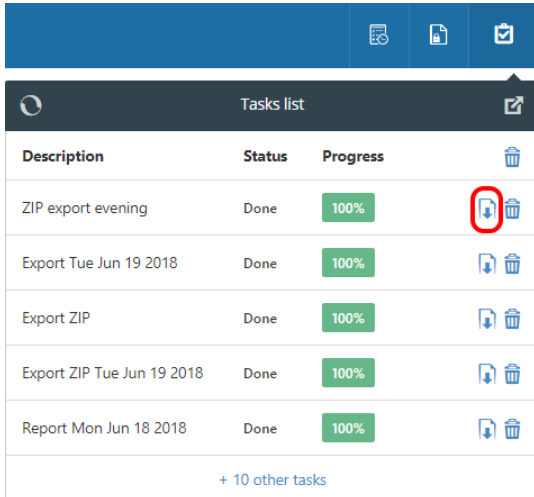
The task page is a more transparent and detailed view of the [Tasks list](#).

Export, recovery and delete tasks are shown here. The user can download the finished export tasks, remove tasks, check progress or cancel the ongoing tasks.













Download of export actions

Any export actions (Export to ZIP, Export to PST) can be downloaded from the Tasks list or from the Tasks page. The downloaded items are saved on the user's local disk between downloads. The ZIP package also contains a Manifest file in XLS format, which contains a summary about the exported items:

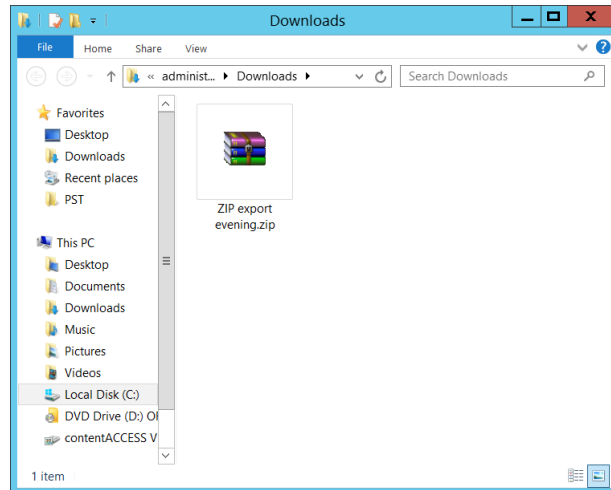


A screenshot of a web application's 'Tasks list' interface. The table shows several tasks with a 'Download' icon circled in red for the first task.

Description	Status	Progress	
ZIP export evening	Done	100%	 
Export Tue Jun 19 2018	Done	100%	 
Export ZIP	Done	100%	 
Export ZIP Tue Jun 19 2018	Done	100%	 
Report Mon Jun 18 2018	Done	100%	 

+ 10 other tasks

Screenshot A: Download of exported items



Screenshot B: Downloaded items

Manifest file and its settings

The manifest file is an XLS file that is automatically created when exporting any files and/or folders into ZIP format. It is a supplementary export file and can be found in the ZIP file downloaded from the Tasks list. It contains a summary about the items that have been exported. By default, the manifest contains the following information:

- On the **Summary** tab the user may view the task summary information, the creation date and creator of the export action, the total number of the exported items;
- On the **Entity** tab (named after entity where the items were exported from) the user may find the title of the items, the item type, size and path of each item.

Note: The File System Archive's manifest file (Title column) contains links that point to the corresponding files.



ZIP export evening

Tenant:	TECH-ARROW
Created on:	6/19/2018 5:12:06 PM
Created by:	Administrator
Export from Entity: dne@ta.internal, Folder: CA recursively, Entity: dne@ta.internal, Folder: Deleted Items recursively, Export details: Entity: dne@ta.internal, Folder: Inbox recursively	

Email archive

Number of items	102
-----------------	------------

Summary | Email archive

Email archive

[< Back to Summary](#)

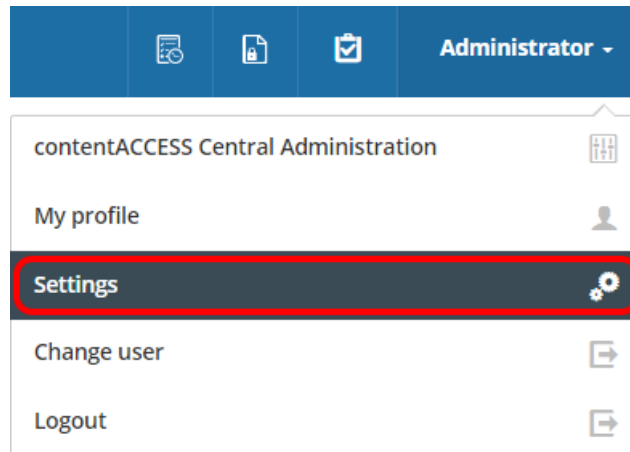
Title	Type	Size	Path	Date	Subject	From	To	Message c	Has attach	Importanc	Mailbox
Pictures	msg	132608	CA\AttachmentTest	2017-06-3	Pictures	/O=FIRST (User1@m	IPM.Note	True	1	1	dne@ta.internal
Attach03	msg	134144	CA\AttachmentTest	2017-06-3	Attach03	/O=FIRST (User1@m	IPM.Note	True	1	1	dne@ta.internal
Attach02	msg	132816	CA\AttachmentTest	2017-06-3	Attach02	/O=FIRST (Aranka@n	IPM.Note	True	1	1	dne@ta.internal
Attach + body	msg	86528	CA\AttachmentTest	2017-06-3	Attach + b	/O=FIRST (User1@m	IPM.Note	True	1	1	dne@ta.internal
contentACCESS invitation	msg	45056	Inbox\Emails to archive\Emails to pr	2017-12-1	contentAC	Administra	IPM.Note	False	1	1	dne@ta.internal
contentACCESS license error	msg	45056	Inbox\Emails to archive\Emails to pr	2017-12-1	contentAC	Administra	IPM.Note	False	1	1	dne@ta.internal
contentACCESS license error	msg	45056	Inbox\Emails to archive\Emails to pr	2017-12-1	contentAC	Administra	IPM.Note	False	1	1	dne@ta.internal
contentACCESS invitation	msg	45056	Inbox\Emails to archive\Emails to pr	2017-12-0	contentAC	Administra	IPM.Note	False	1	1	dne@ta.internal
contentACCESS license error	msg	45056	Inbox\Emails to archive\Emails to pr	2017-12-0	contentAC	Administra	IPM.Note	False	1	1	dne@ta.internal
Word document	msg	36864	Inbox\Emails to archive\Emails to pr	2017-07-0	Word docu		IPM.Note	True	1	1	dne@ta.internal
Edgewave ThreatTest voted as one of the most promising MS	msg	585728	Inbox\Emails to archive\Emails with	2018-02-2	Edgewave		IPM.Note	True	1	1	dne@ta.internal
here's \$50 to sponsor your content on LinkedIn!	msg	53248	Inbox\Emails to archive\Emails with	1753-01-0		linkedin@	IPM.Note	False	1	1	dne@ta.internal
Reminder: , your coupon is about to expire!	msg	53248	Inbox\Emails to archive\Emails with	1753-01-0	Reminder:	linkedin@	IPM.Note	False	1	1	dne@ta.internal
Edgewave ThreatTest voted as one of the most promising MS	msg	45056	Inbox\Emails to archive\Emails with	1753-01-0	Edgewave	techarrow	IPM.Note	False	1	1	dne@ta.internal

Summary | Email archive

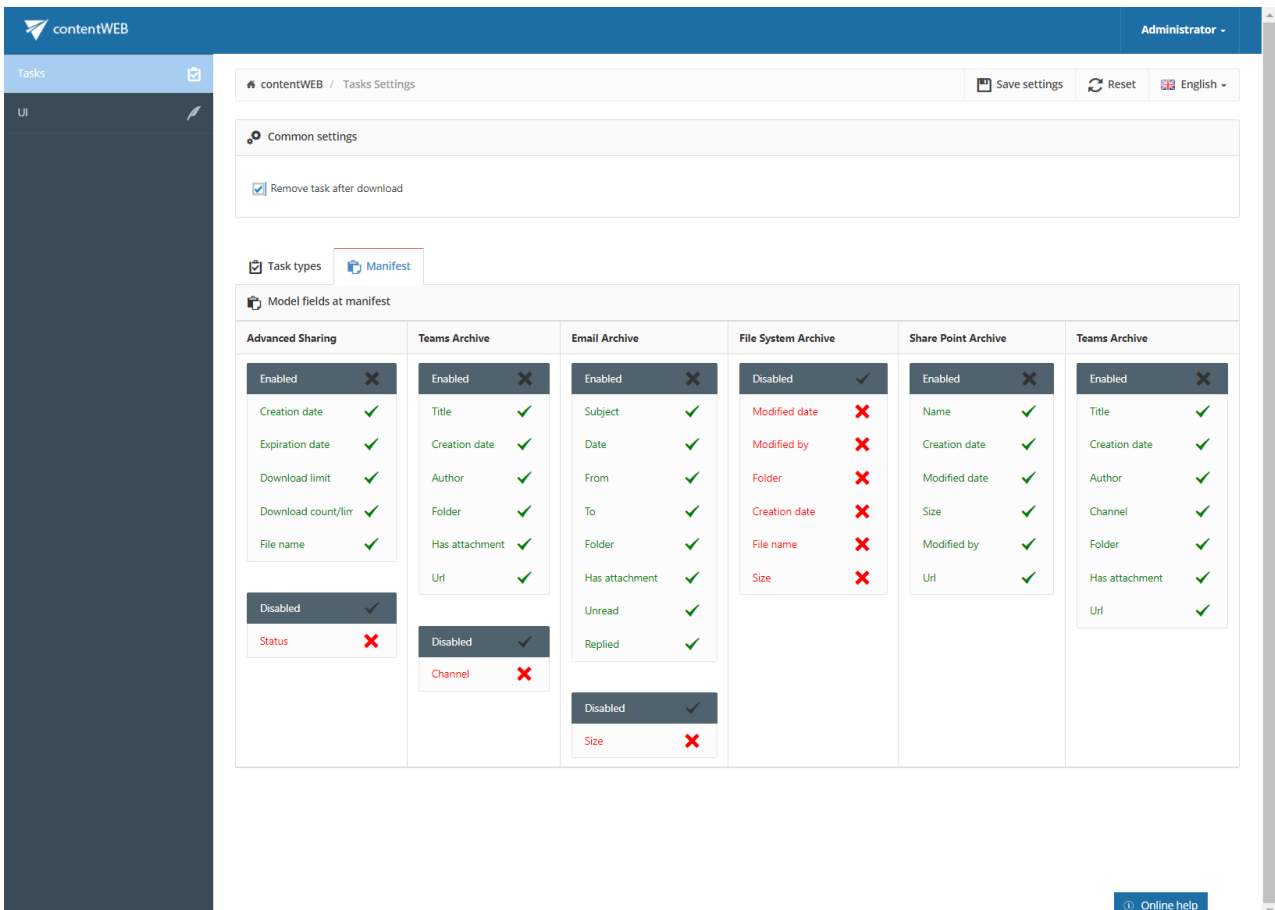
The exact fields involved in this manifest file can be configured in the administrator's settings as described below.

Field settings in the manifest file

To add/delete fields that should be involved in the exported manifest file, open the Manifest settings page from the **Administrator settings** → **Tasks** → **Manifest** tab. Navigate to the logged on user and open the **Settings** page.



Further switch to **Tasks** in the pane and select the **Manifest** tab.



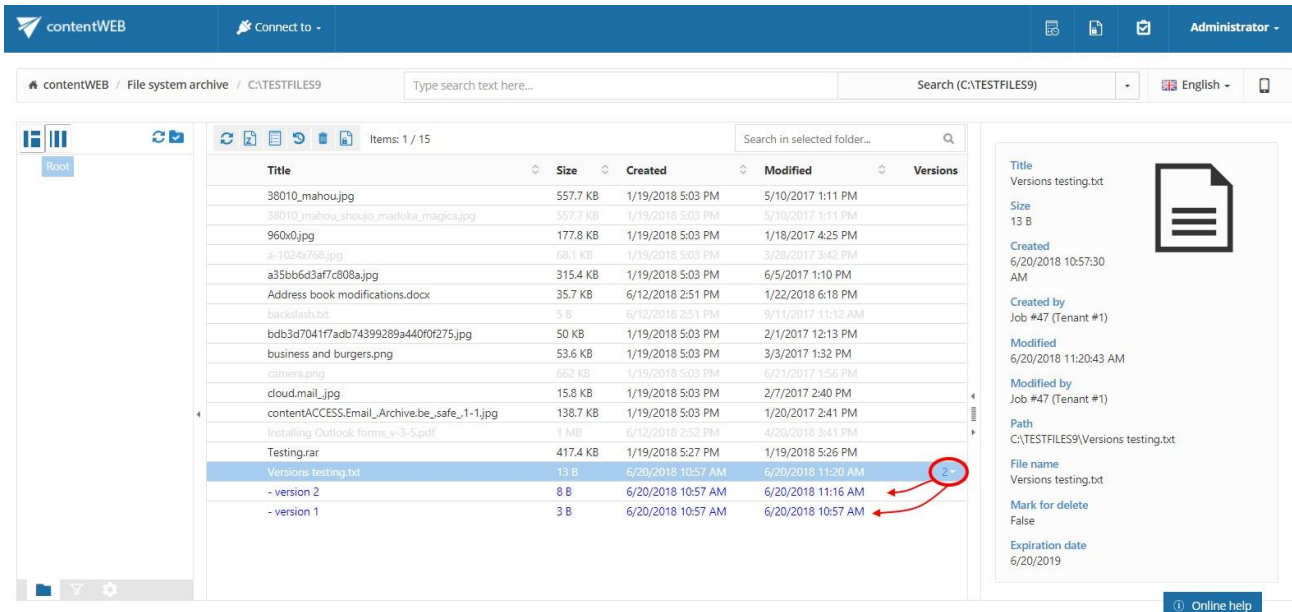
All available fields that can be displayed in the manifest file can be viewed here. Click on the cross mark () next to the field to add it into the manifest. With clicking on the check mark () you may disable the selected field again.

File System Archive

contentWEB is also a web user interface for the contentACCESS File System Archive. Any files archived by a File System Archive job can be accessed by an end user (with the necessary rights) from contentWEB during the files' retention time.

File versions

In contentWEB, the end user may also view the versions of a file that have been created during the archiving process. Versions are created when the original file is modified in the original file system and the archive job archives this new file version into the archive. In contentWEB, these versions are accessible in the “**Versions**” column of the item list. Click on the version count in this column and the document version(s) will be displayed. Document versions are marked with blue color.



The screenshot shows the contentWEB interface with a file list and a details pane. The file list has columns for Title, Size, Created, Modified, and Versions. The file 'Versions testing.txt' is highlighted, and its version count '2' is circled in red. A red arrow points from the circled '2' to the 'Versions testing.txt' row in the list. Another red arrow points from the circled '2' to the 'Versions testing.txt' row in the details pane on the right.

Title	Size	Created	Modified	Versions
38010_mahou.jpg	557.7 KB	1/19/2018 5:03 PM	5/10/2017 1:11 PM	
38010_mahou_shoujo_madoka_magica.jpg	557.7 KB	1/19/2018 5:03 PM	5/10/2017 1:11 PM	
960x0.jpg	177.8 KB	1/19/2018 5:03 PM	1/18/2017 4:25 PM	
a-1024x768.jpg	68.1 KB	1/19/2018 5:03 PM	3/28/2017 3:42 PM	
a35bb6d3af7c808a.jpg	315.4 KB	1/19/2018 5:03 PM	6/5/2017 1:10 PM	
Address book modifications.docx	35.7 KB	6/12/2018 2:51 PM	1/22/2018 6:18 PM	
backdash.txt	5 B	6/12/2018 2:51 PM	9/11/2017 11:12 AM	
bdb3d7041f7adb74399289a440f0f275.jpg	50 KB	1/19/2018 5:03 PM	2/1/2017 12:13 PM	
business and burgers.png	53.6 KB	1/19/2018 5:03 PM	3/3/2017 1:32 PM	
camera.png	662 KB	1/19/2018 5:03 PM	6/21/2017 1:56 PM	
cloud.mail.jpg	15.8 KB	1/19/2018 5:03 PM	2/7/2017 2:40 PM	
contentACCESS.Email_Archive.be_safe_1-1.jpg	138.7 KB	1/19/2018 5:03 PM	1/20/2017 2:41 PM	
Installing Outlook forms_v-3-5.pdf	1 MB	6/12/2018 2:52 PM	4/20/2018 3:41 PM	
Testing.rar	417.4 KB	1/19/2018 5:27 PM	1/19/2018 5:26 PM	
Versions testing.txt	13 B	6/20/2018 10:57 AM	6/20/2018 11:20 AM	2
- version 2	8 B	6/20/2018 10:57 AM	6/20/2018 11:16 AM	
- version 1	3 B	6/20/2018 10:57 AM	6/20/2018 10:57 AM	

The details pane on the right shows the following information for 'Versions testing.txt':

- Title: Versions testing.txt
- Size: 13 B
- Created: 6/20/2018 10:57:30 AM
- Created by: Job #47 (Tenant #1)
- Modified: 6/20/2018 11:20:43 AM
- Modified by: Job #47 (Tenant #1)
- Path: C:\TESTFILES9\Versions testing.txt
- File name: Versions testing.txt
- Mark for delete: False
- Expiration date: 6/20/2019

Filtering of active/inactive file system archive documents

When is an item/folder inactive in the archive? When an archive job is running, it is synchronizing the current state of the archive with the state of the file system. It synchronizes the folder permissions as well.

An item/folder gets an **inactive status** in the archive if the **file/folder no longer exists in the file system (neither the original, nor the shortcut to it).**



Inactive files are marked with grey color in contentWEB, active files have a bold black color. Once the item is moved back by the user or it is restored, its status will turn to active.

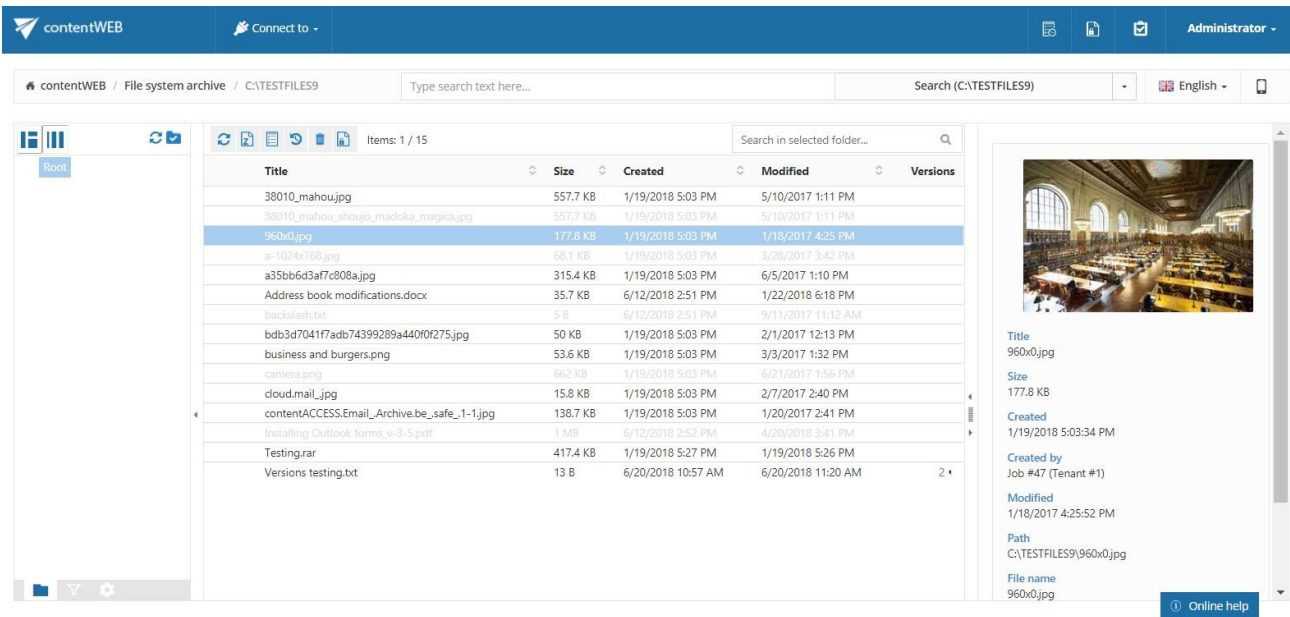
The aim of active/inactive item view in the archive is:

- ✓ To make visible in the archive, whether the archive items have corresponding original or shortcut in the original file system; this might be useful when the user wants to recover from the archive. (For more information about the recovery function refer to section [Manual recovery](#) below).
- ✓ To avoid displaying duplicates by using the active/inactive filtering options in the archive.

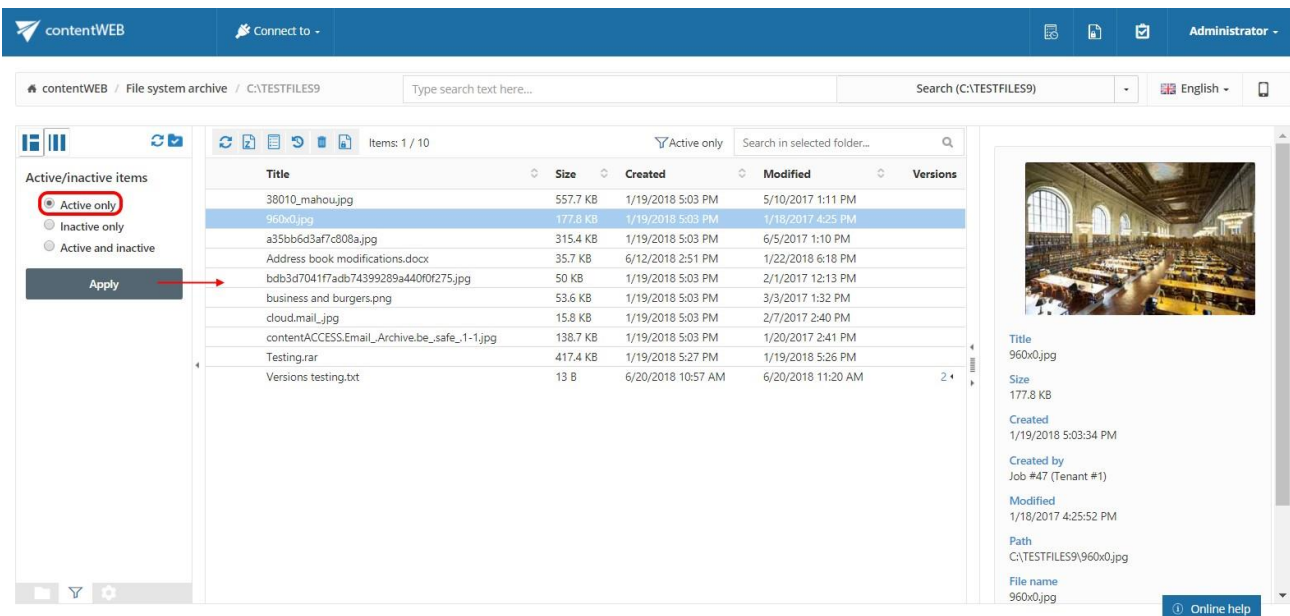
Note: Duplicates are created if a file/folder was moved to another file system location, or if it has been renamed and an archive job processed both the old and the new file/folder.

How to filter between active/inactive items in the archive?

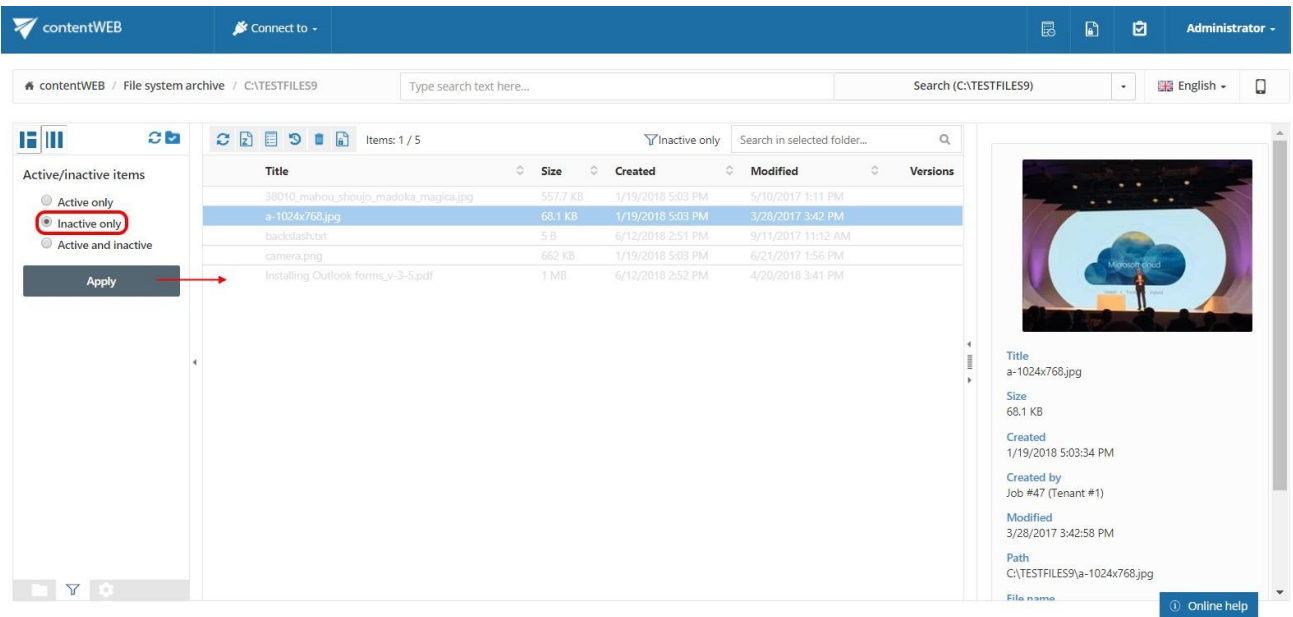
Our archive folder “TESTFILES9” on the below displayed screenshot contains both active and inactive items.



To filter out active/inactive items in a folder, click on the horn sign () at the bottom of the navigation pane. To filter the active documents only, “Active only” filter must be applied. Screenshot A shows the active items of the archive folder, on screenshot B only the inactive items are filtered out:



Screenshot A: Active items of the folder



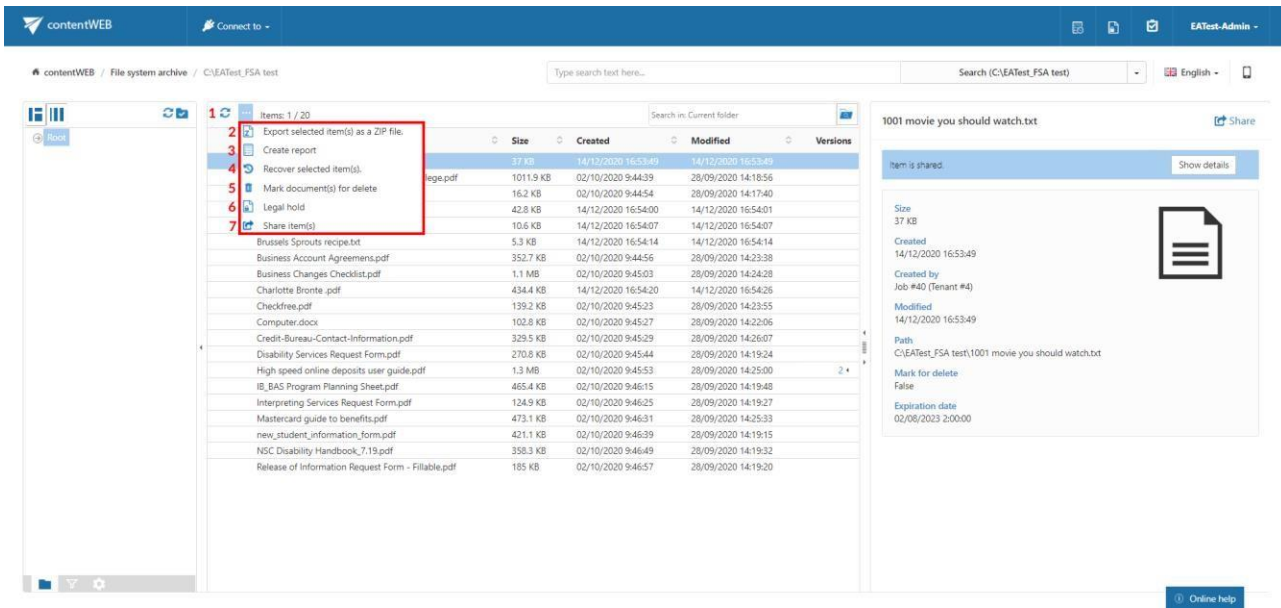
Screenshot B: Inactive items of the folder

File Archive tasks

By default, the following tasks can be triggered on the selected File Archive items/folders using the toolbar buttons:

1. Refresh
2. Export selected item(s) as a ZIP file
3. Create report
4. Recover selected item(s)
5. Mark document(s) for delete
6. Legal hold
7. Share item(s)

The file archive tasks can be disabled/enabled in the Administrator's settings on the **Task types** tab. For more information read section [Enabling/disabling tasks](#).



Screenshot: Toolbar buttons in File Archive

It is possible to select:

- the whole folder structure on the root,
- a recursive folder structure
- child folders and items to process

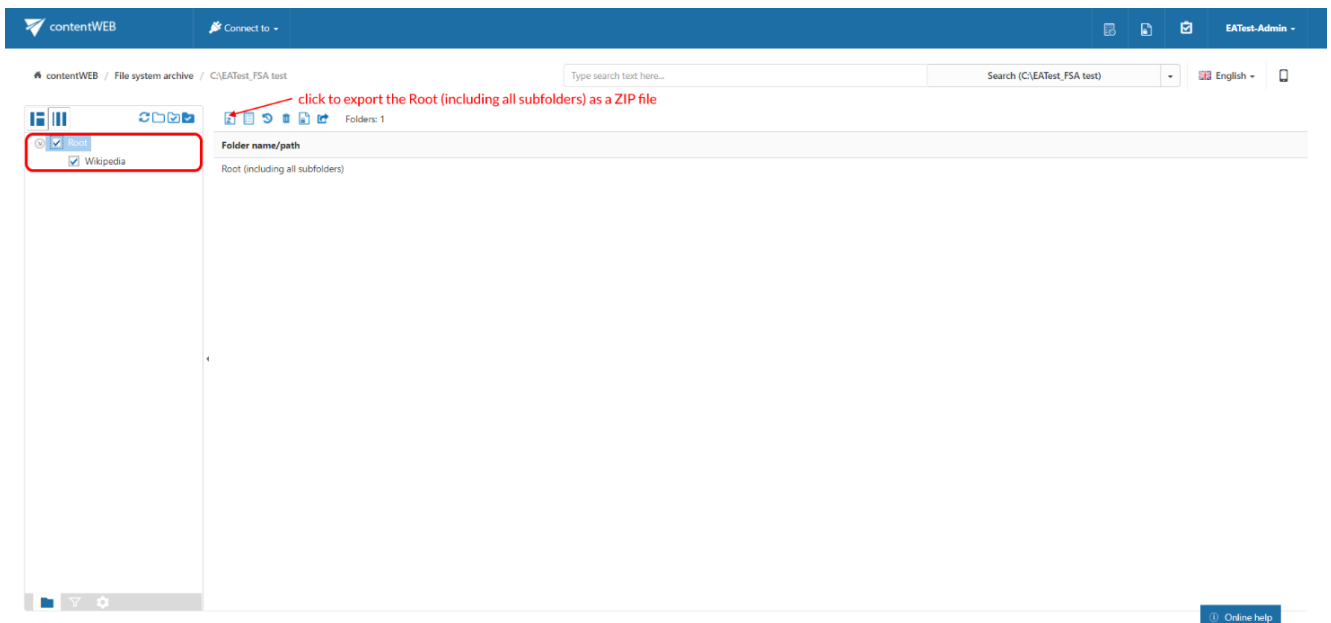
For more information refer to section [Folder selection methods](#).

Refresh

This toolbar button should be used if any items have not been displayed in the item list yet and the list of items should be reloaded.

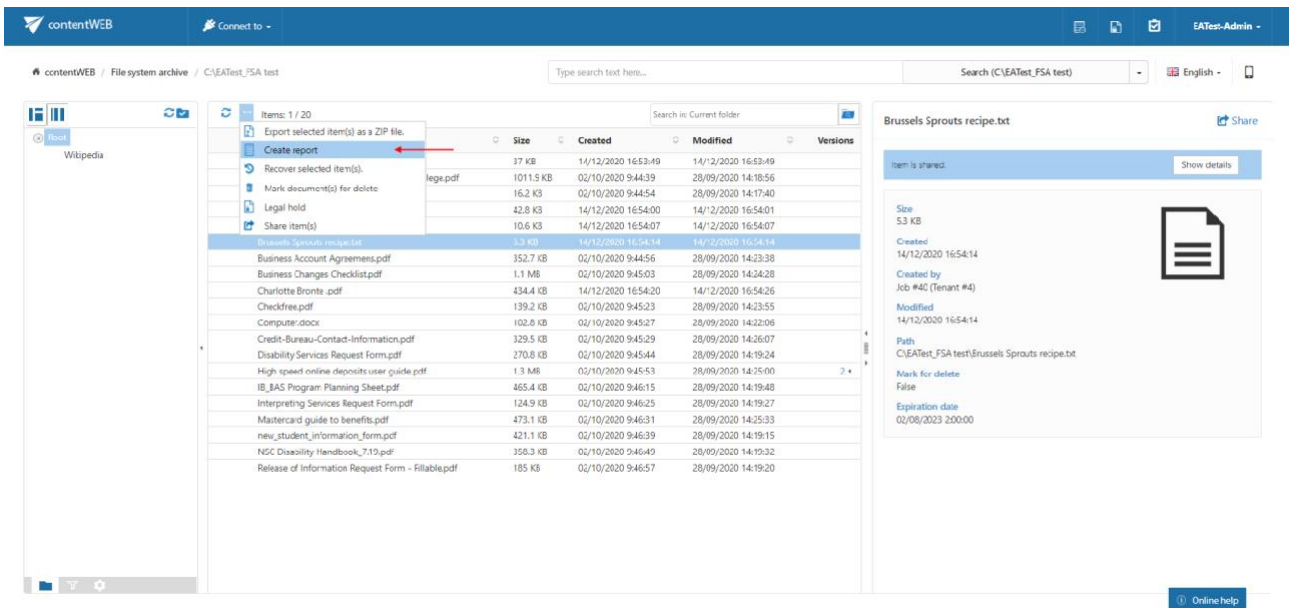
Export selected item(s) as a ZIP file

To export file archive item(s)/folder(s) as a ZIP file, select the desired item(s) from the list view (or select the node(s) in the left side pane) and click on the **Export selected item(s) as a ZIP file** button located above the list view. The exported items are zipped in the background (on the server side). On the screenshot below we have selected the **Root** folder (including all its subfolders) to be exported into ZIP:



The exported items/folders can be downloaded from the Tasks list. (For more information refer to section [Download of export actions](#)).

Create report



Read more about this feature [here](#).

Recovery

Recovery is used to re-generate a file system from the archive back into the original file location. This processing type can be used in the following cases:

- A folder structure has been deleted;
- One or more folders have been deleted;
- One or more documents from the folder(s) have been deleted

from the original file location and the user needs to get back these already archived documents from the archive. The items that do not have an original or a shortcut in the original file location (in the file system) are inactive in contentWEB and have a light grey color.

With the recovery function the archived items can be put back into their source location. It can also create the folder if it was deleted from the folder structure. It is possible to recover any part of the structure:

- One or multiple folders;
- Recursive folder structure;
- One or more folder contents.

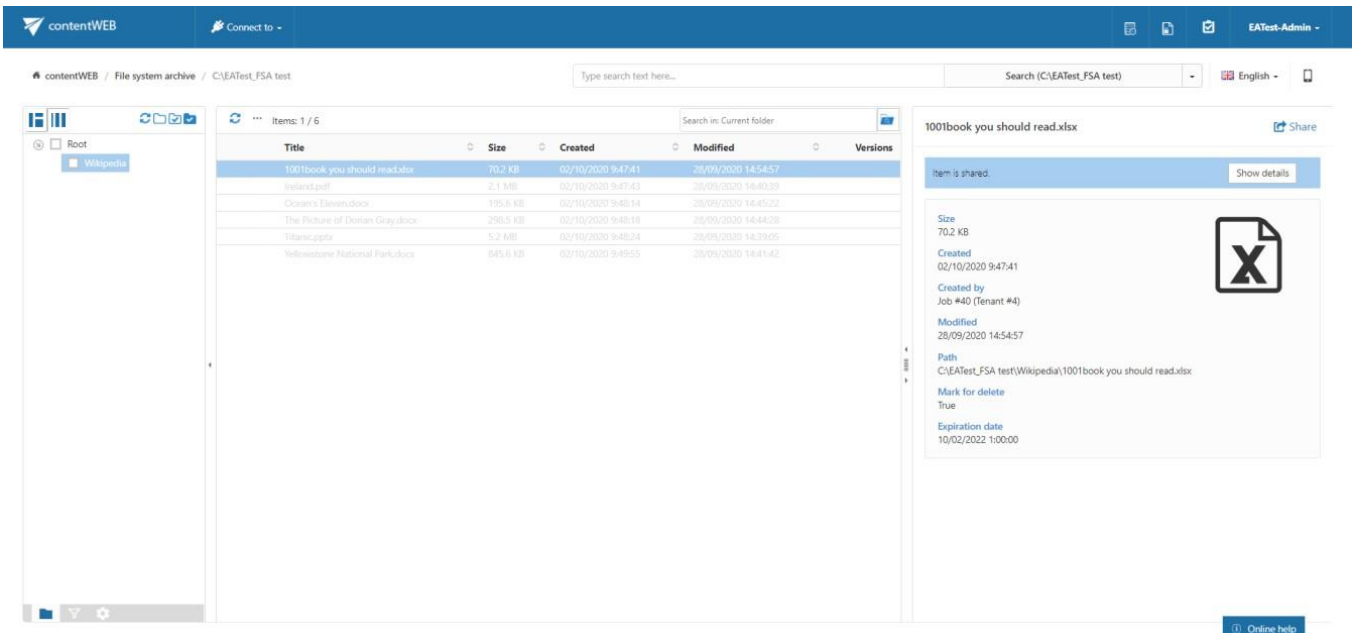
Important! The root folder mustn't be deleted (or it must be re-created if it was deleted) from the original file system, otherwise its contents can't be recovered back into the original location.

The file system recovery job is checking for duplicates, so the same recovery job can be run safely multiple times, duplicates will not be created:

- if the file **does not exist** in the folder and the LNK file (shortcut) also **does not exist** in the folder => the original file is recovered to the folder
- if the file **does not exist** in the folder BUT the LNK file (shortcut) **does exist** in the folder => the LNK (shortcut) is replaced with the original
- if the file **already exists** in the folder => nothing happens

Recovery of deleted items of folder "Wikipedia"

In this use case we will recover the deleted items of our shared folder "Wikipedia". First we select this folder in the navigation pane. Our inactive items have a light grey color in the grid.



Title	Size	Created	Modified	Versions
1001book you should read.xlsx	70.2 KB	02/10/2020 9:47:41	28/09/2020 14:54:57	
Island.pdf	2.1 MB	02/10/2020 9:47:43	28/09/2020 14:40:39	
Ocean's Ecosystems.docx	195.4 KB	02/10/2020 9:48:14	28/09/2020 14:40:22	
The Picture of Dorian Gray.docx	298.5 KB	02/10/2020 9:48:16	28/09/2020 14:44:28	
Titanic.docx	5.2 MB	02/10/2020 9:48:24	28/09/2020 14:39:05	
Yellowstone National Park.docx	845.8 KB	02/10/2020 9:48:55	28/09/2020 14:41:40	

1001book you should read.xlsx

Item is shared. [Show details](#)

Size
70.2 KB

Created
02/10/2020 9:47:41

Created by
Job #40 (Tenant #4)

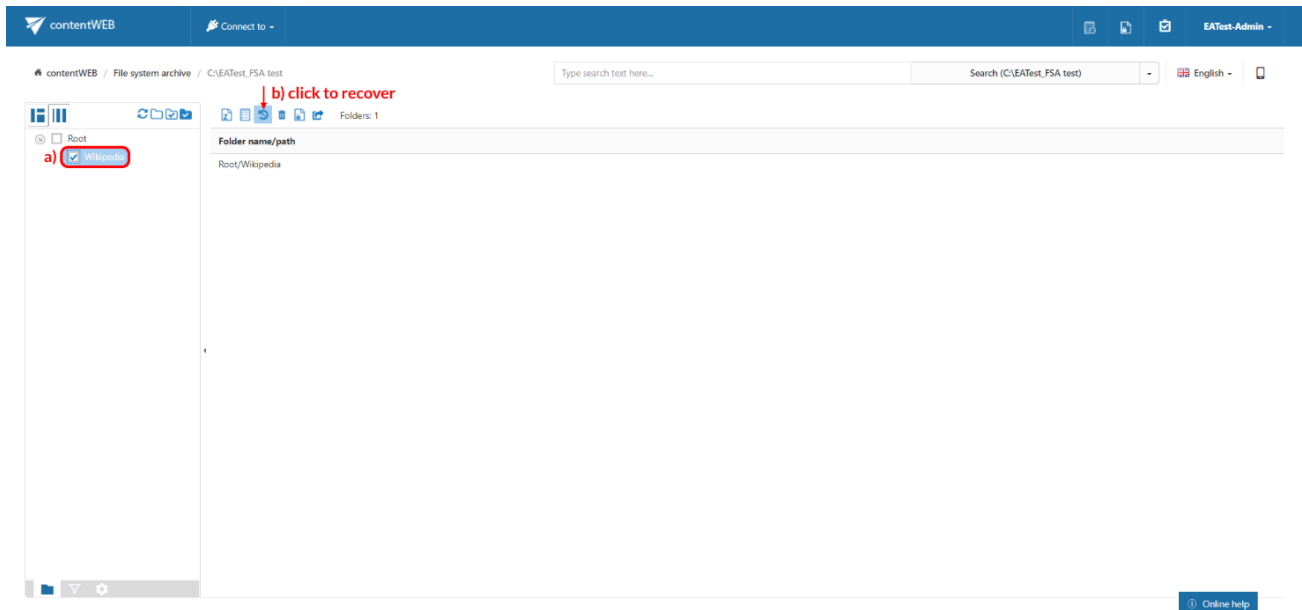
Modified
28/09/2020 14:54:57

Path
C:\EATest_FSA test\Wikipedia\1001book you should read.xlsx

Mark for delete
True

Expiration date
10/02/2022 1:00:00

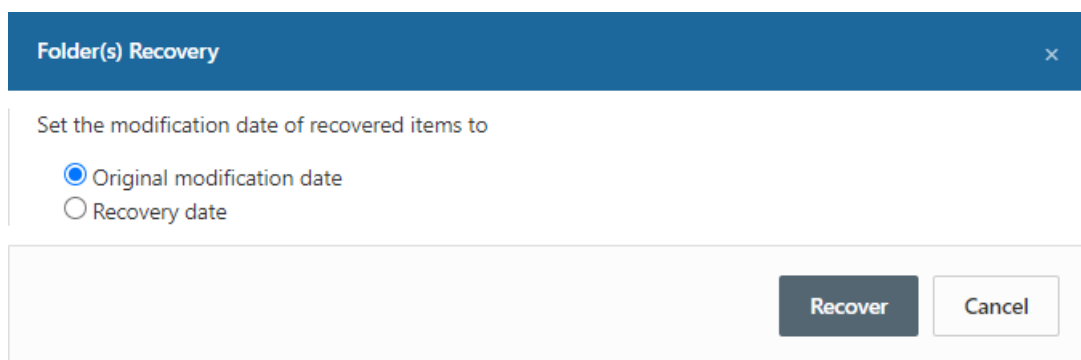
Now we want to have all deleted folder items (inactive documents) back in our file location. We check folder's check box in the navigation pane (step "a") and we click on the recovery toolbar button above the list view (step "b"):



With the manual recovery the user has multiple options:

- He can either recover with the original modification date;
- He can also recover with the recovery date.

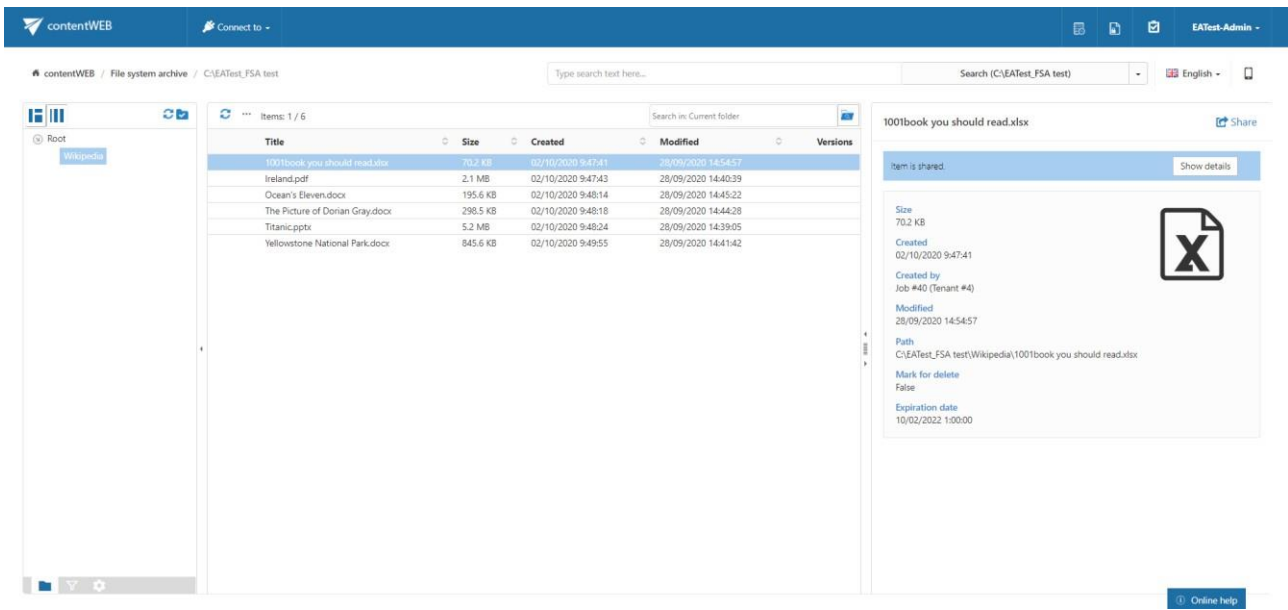
It is worth to recover with the recovery date if an archive job is already running on the selected file system folders and the files with a modification date younger than the recovery date are set to be archived. By selecting the recovery date the user can prevent the recovered file(s) from being re-archived.



Click on **“Recover”** button to start the process. The active items will be skipped in the file system; if an original file exists, it will not touched, if a shortcut to the item exists, it will be skipped.

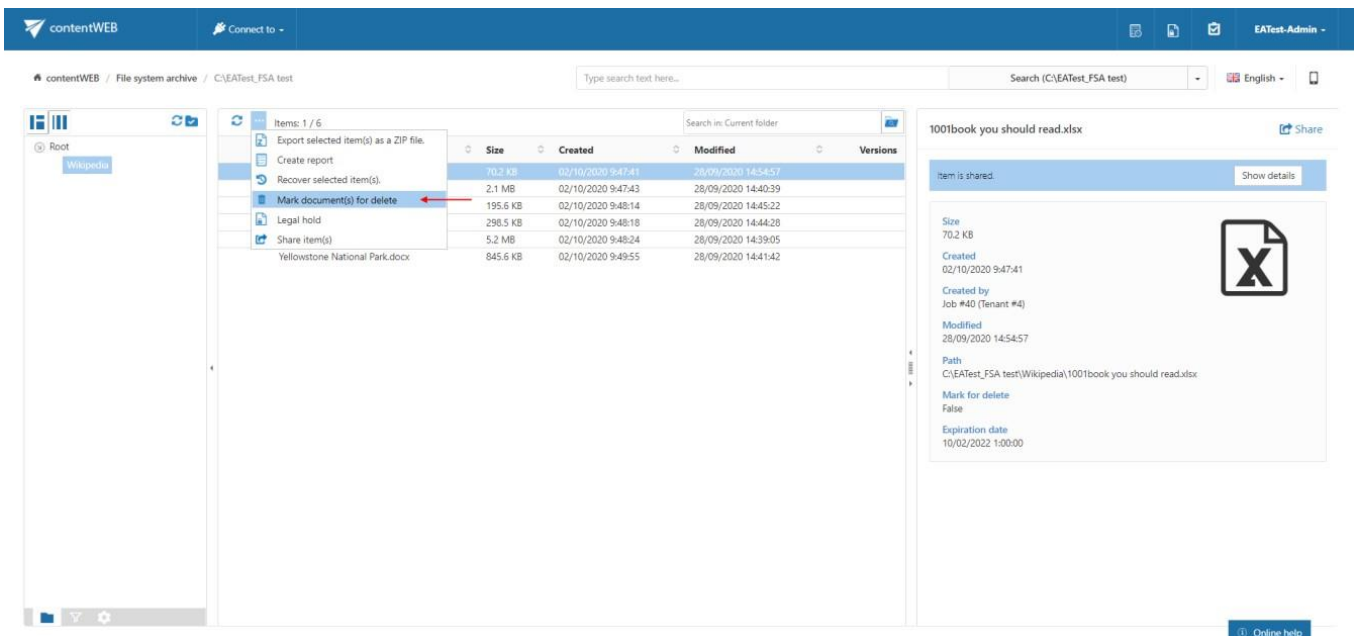
All the items were recovered into the given folder. The modification date is set to the original modification date.

Once the files are recovered, they will be recolored to black in the contentWEB's item's grid:

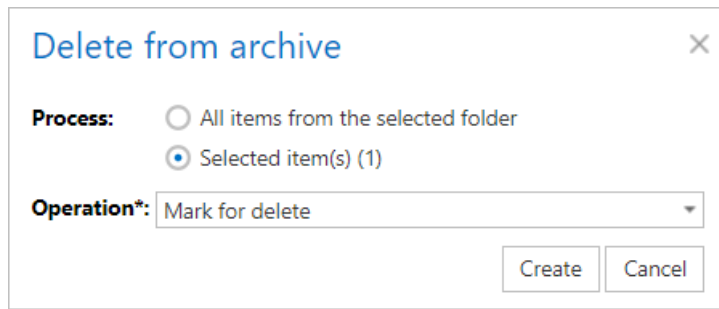


Mark document(s) for delete

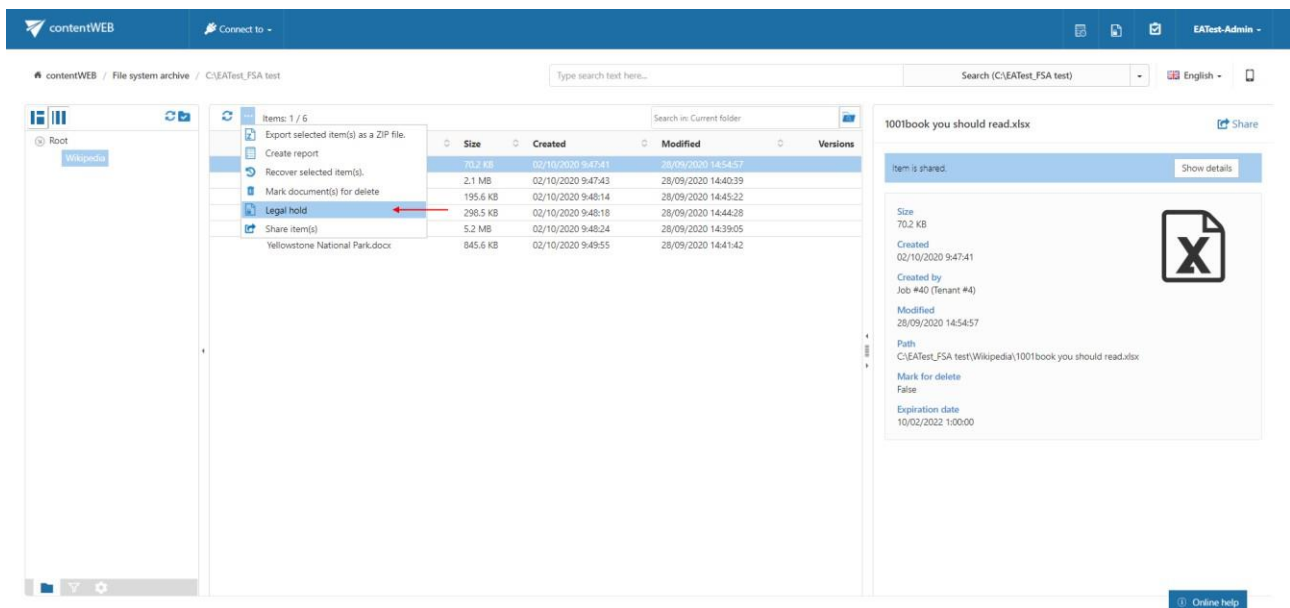
With this task you can mark/unmark documents to be later deleted from the archive by the [Delete job](#). You can either way mark/unmark only the selected files, or all files from the current folder.



Select the desired action (mark or unmark) from the **Operation** dropdown list and then click **Create**.



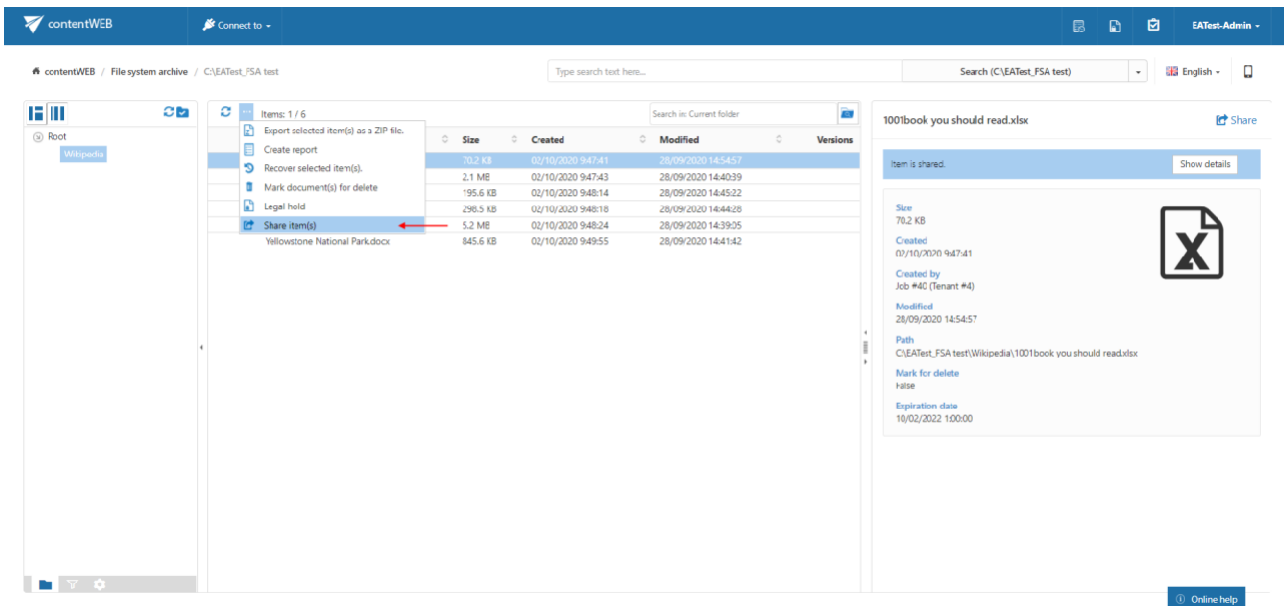
Legal hold



Read more about this feature [here](#).

Share item(s)

With this option, you can easily share links pointing to the selected items, which can be later sent to other users.



Read more about this feature [here](#).

Email Archive

contentWEB is also a web user interface for the contentACCESS Email Archive. Emails and attachments archived by an Email Archive job can be accessed by an end user from contentWEB during the emails' retention time.

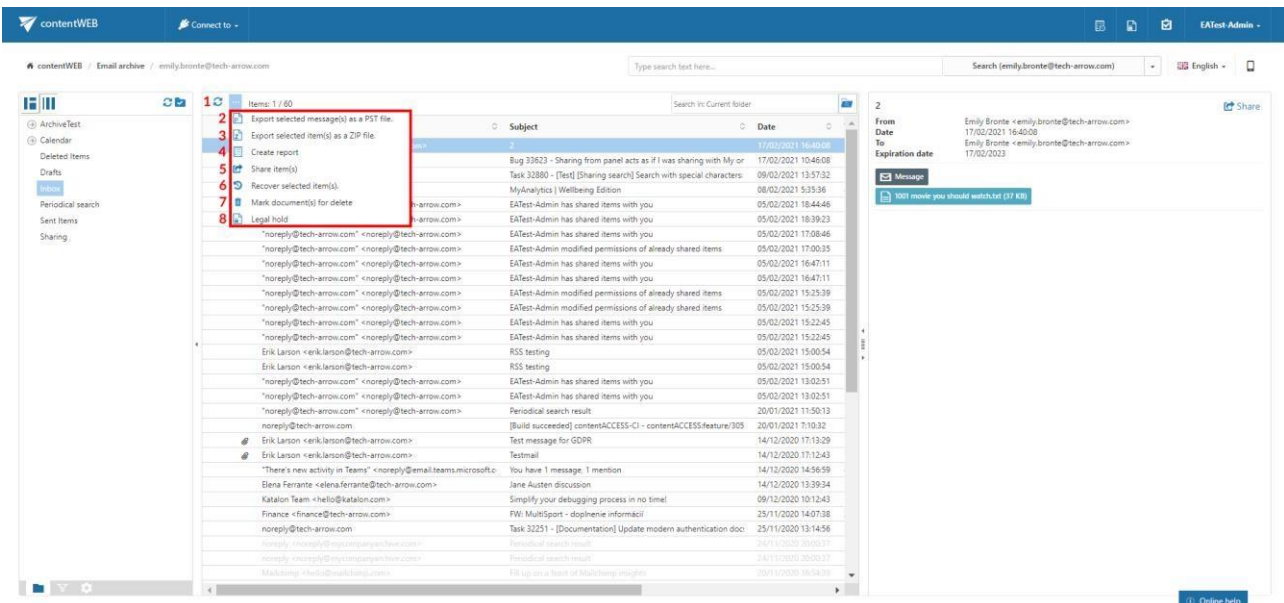
Email Archive tasks

By default, the following actions can be run on the selected email archive items/folders using the toolbar buttons.

1. Refresh
2. Export selected message(s) as a PST file
3. Export selected item(s) as a ZIP file
4. Create report
5. Share item(s)

6. Recover selected item(s)
7. Mark document(s) for delete
8. Legal hold

The email archive tasks can be disabled/enabled in the Administrator's settings on the Task types tab. For more information read section [Enabling/disabling tasks](#).



Screenshot: Toolbar buttons in the Email Archive

It is possible to select

- the whole folder structure on the root,
- a recursive folder structure
- child folders
- and items to process

For more information refer to section [Folder selection methods](#).

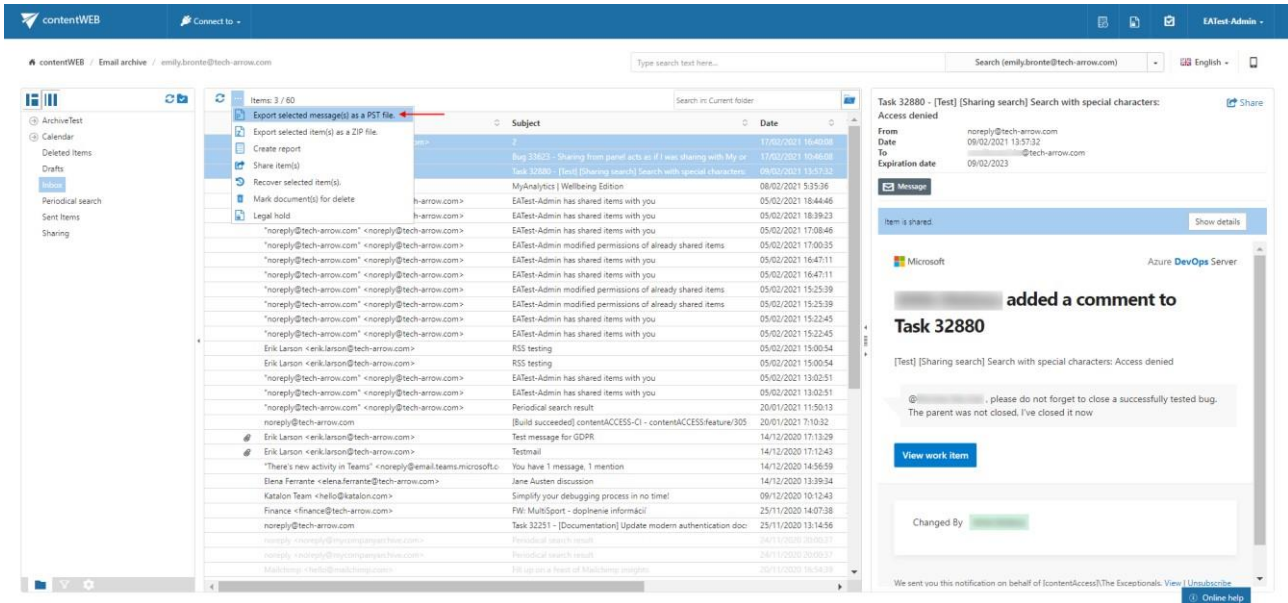
Refresh

This option should be used if any items have not been displayed in the item list yet and the list of items should be reloaded.

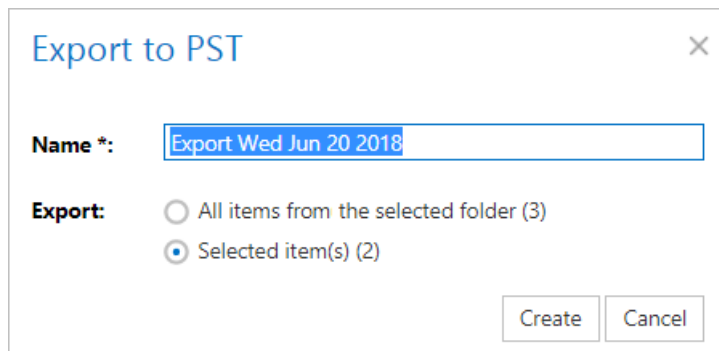


Export selected message(s) as a PST file

To export one or multiple mailbox items/mailbox folders as a PST file, select the items from the item list/mailbox folders from the navigation pane. Now click on the **Export selected message(s) as a PST file** button located above the list view.



Choose if you want to export all items from the current folder, or only the selected items. Click on **Create** or press enter.

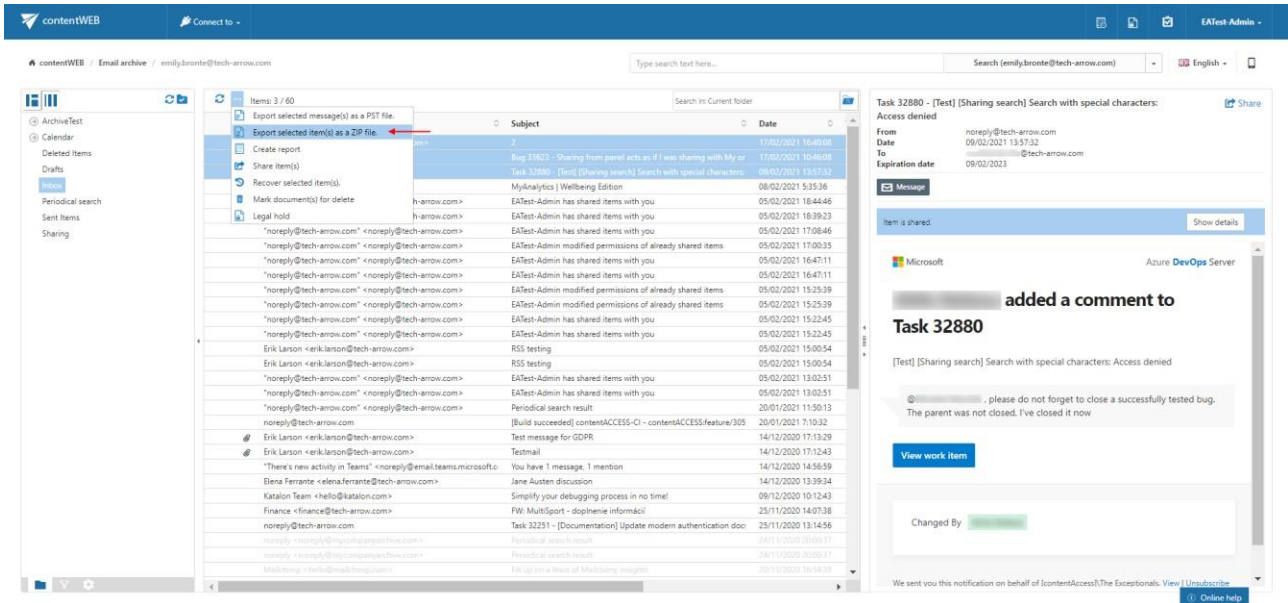


The exported items/folders can be downloaded from the Tasks list. (For more information refer to section [Download of export actions](#))

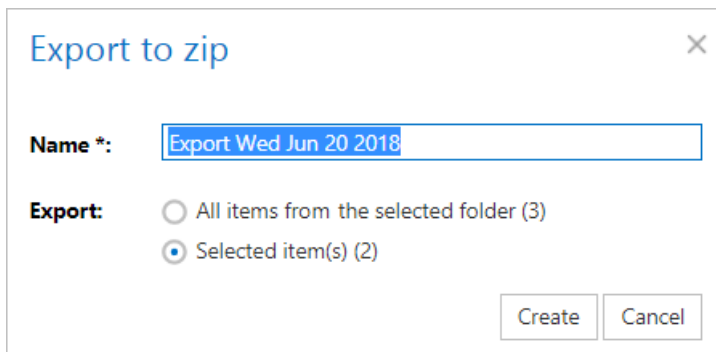


Export selected item(s) as a ZIP file

To export one or multiple mailbox archive item(s)/folder(s) into ZIP format, select the mailbox item(s) from the item list (or select the node in the tree view) and click on the **Export selected item(s) as a ZIP file** button located above the item list.

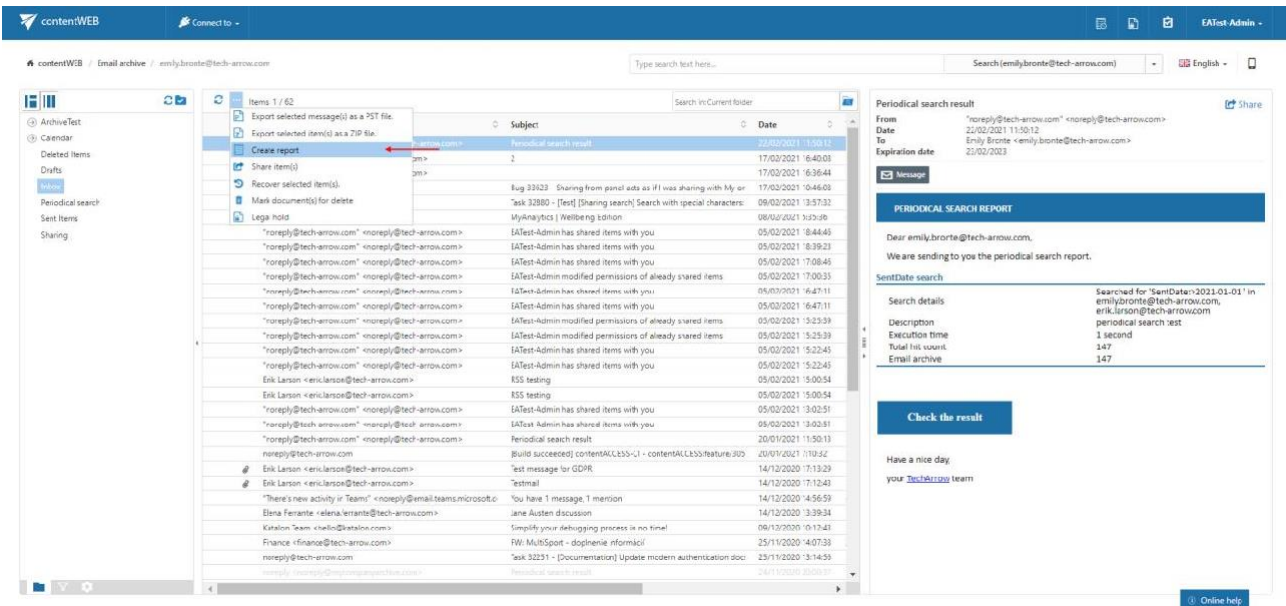


Choose if you want to export all items from the current folder, or only the selected items. Click on **Create** or press enter.





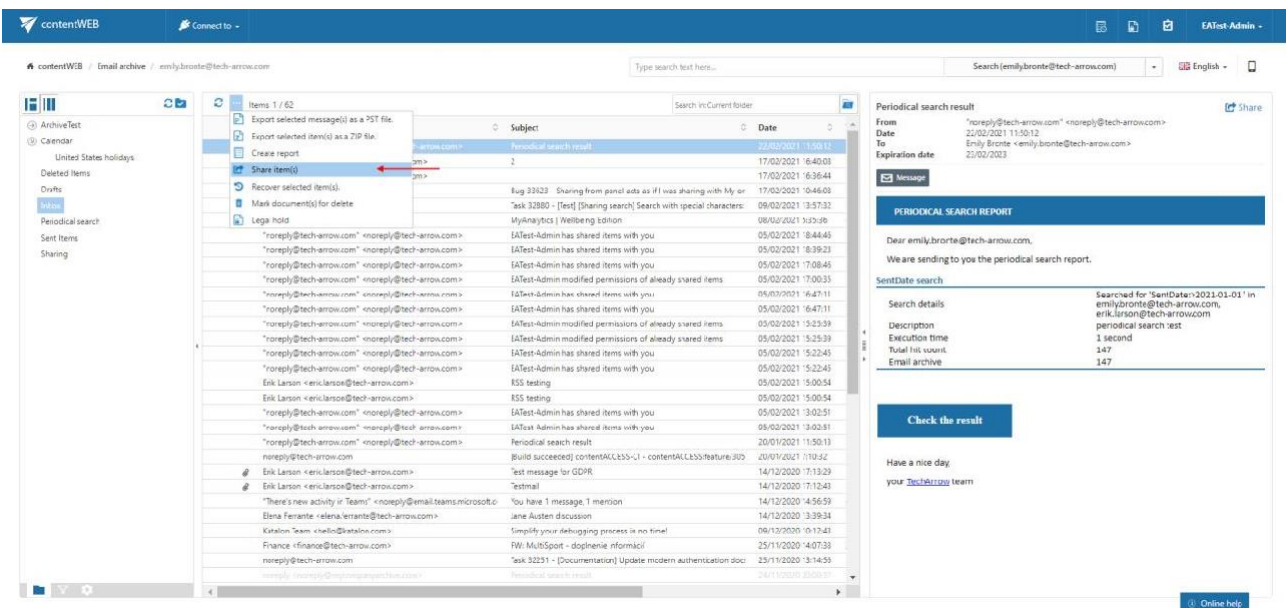
Create report



Read more about this feature [here](#).

Share item(s)

With this option, you can easily share links pointing to the selected items, which can be later sent to other users.



Read more about this feature [here](#).



Recover selected item(s)

Recovery is used to re-generate the emails from the archive back into the original location. This processing type can be used in the following cases:

- A folder structure has been deleted;
- One or more folders have been deleted;
- One or more emails from the folder(s) have been deleted

and the user needs to get back these already archived items from the archive.

With the recovery function the archived items can be put back into their original mailbox location. It can also create the folder if it was deleted from the mailbox's folder structure. It is possible to recover any part of the structure:

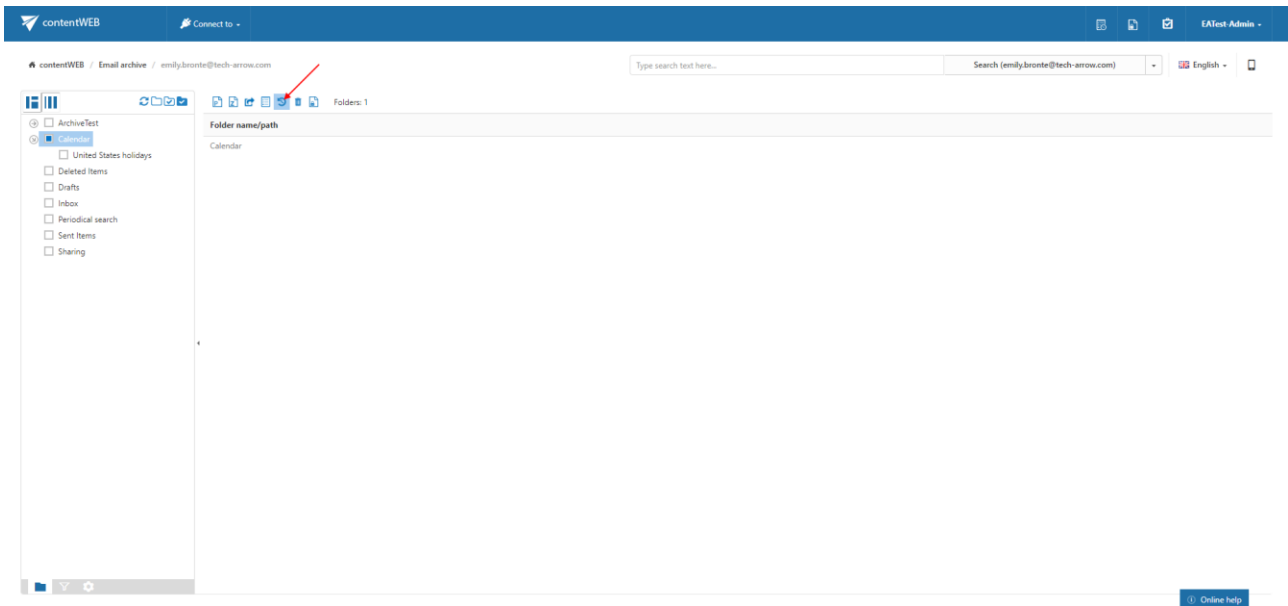
- One or multiple mailbox folders;
- Recursive folder structure;
- One or more folder contents.

Important! The root folder mustn't be deleted (or it must be re-created manually if it was deleted) from the folder structure, otherwise its content can't be recovered back into the original location in the mailbox.

- If there is a shortcut for the recovered email in the mailbox folder – the email won't be recovered;
- If the email is already present in the mailbox folder – the email won't be recovered;
- If the email has been deleted from the mailbox folder – the email will be recovered.

Recovery of deleted mailbox folder "Calendar"

In this use case we will recover the deleted mailbox folder "**Calendar**". We would not like to involve the subfolders, so we double click on this folder's checkbox in the navigation pane. Then we click on the recovery toolbar button above the list view:

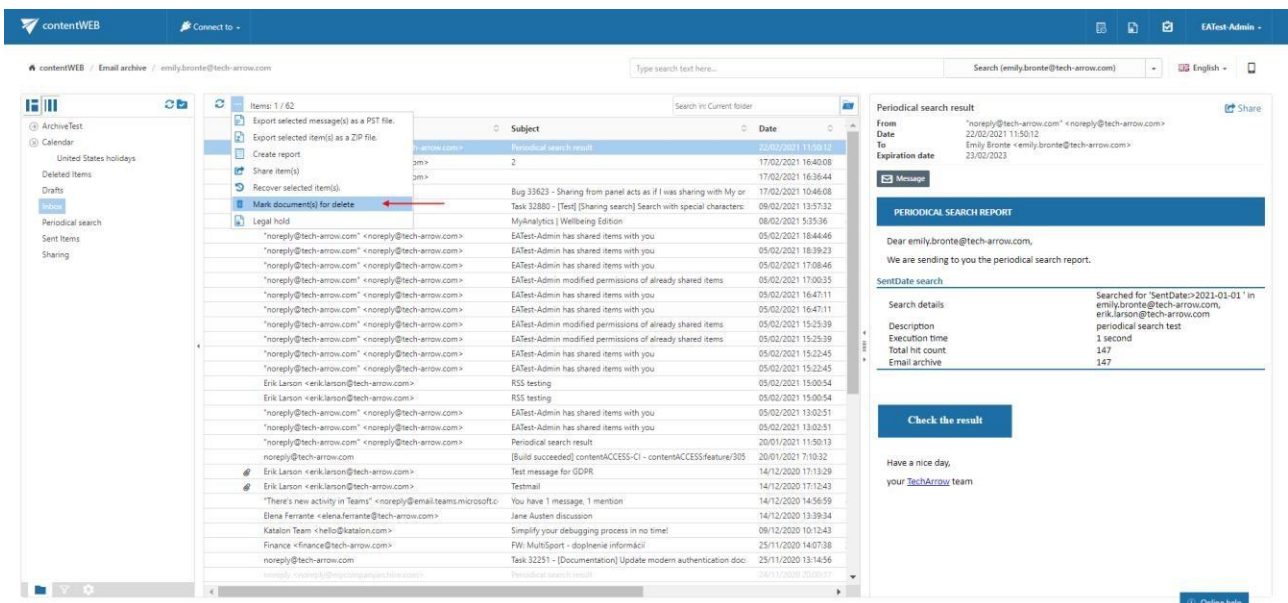


Folder “Calendar” will be put back into the mailbox after the task is completed.

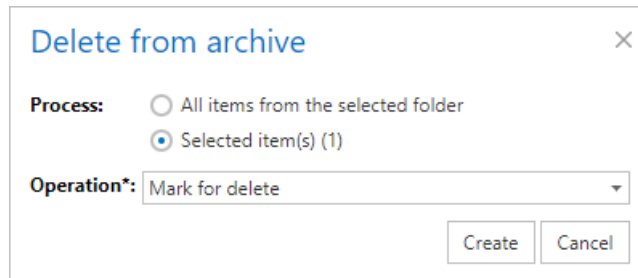
Export and recovery actions (accessible from the toolbar buttons of Email Archive and File System Archive) that run/are currently running can be viewed and downloaded from the **Tasks list**. For more information about the Tasks List refer to section [Tasks list](#).

Mark document(s) for delete

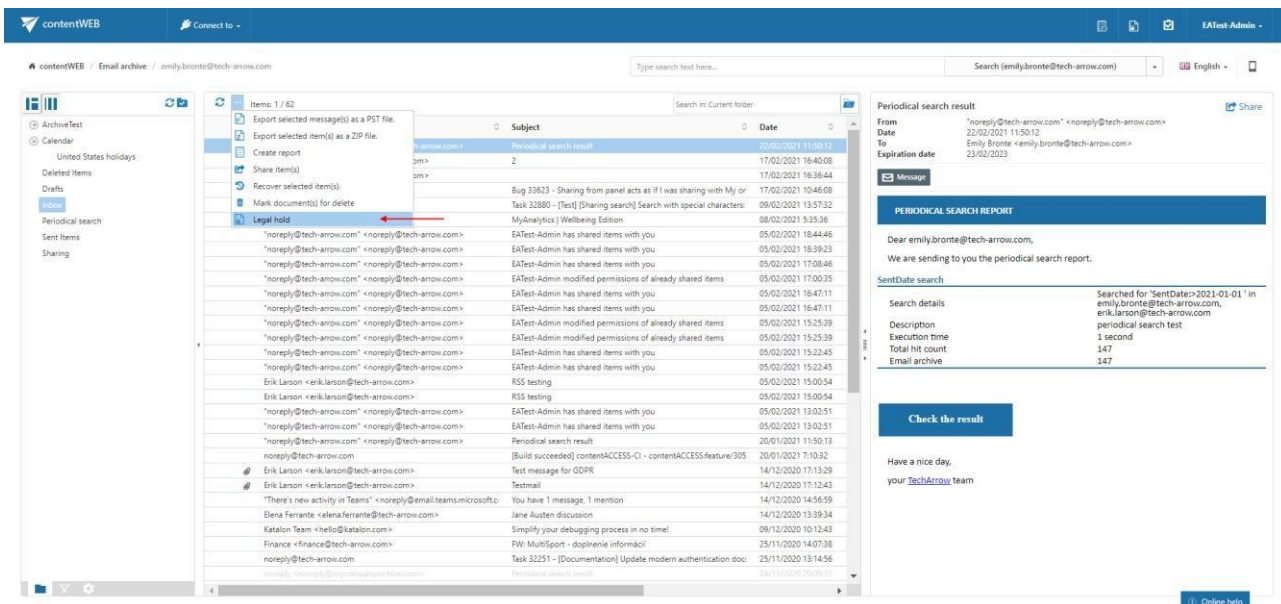
With this task you can mark/unmark emails to be later deleted from the archive by the [Delete job](#). You can either way mark/unmark only the selected emails, or all emails from the current folder.



Select the desired action (mark or unmark) from the **Operation** dropdown list and then click **Create**.



Legal hold



Read more about this feature [here](#).

SharePoint archive

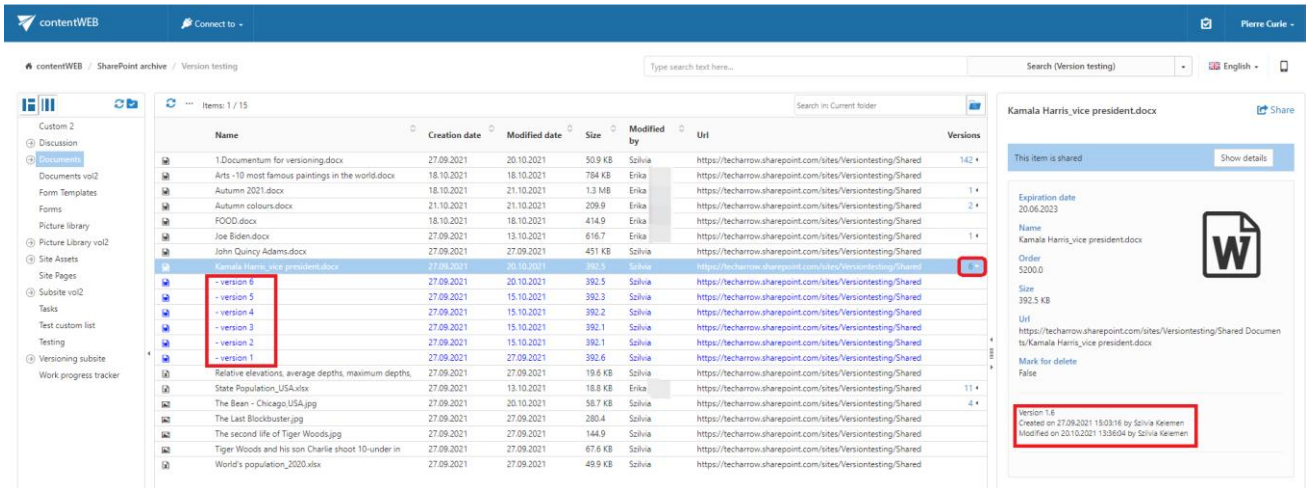
contentWEB is also a web user interface for the contentACCESS SharePoint archive. Any files archived by a SharePoint Archive job can be accessed by an end user (with the necessary rights) from contentWEB during the files' retention time.

Item versions in SharePoint archive

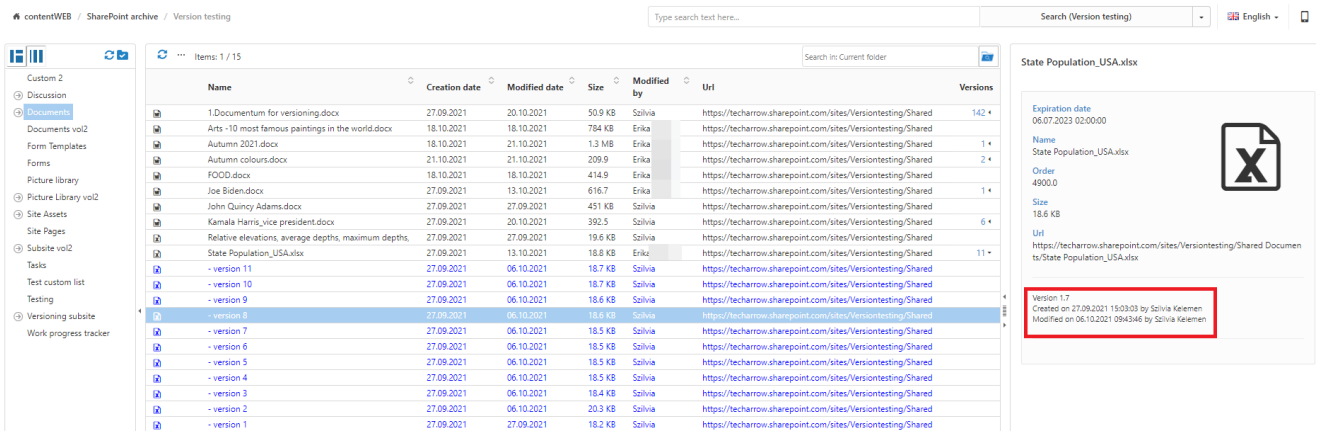
In contentWEB, the end user may also view the versions of a file that have been created during the archiving process. Versions are created when the original file is modified on SharePoint and the archive



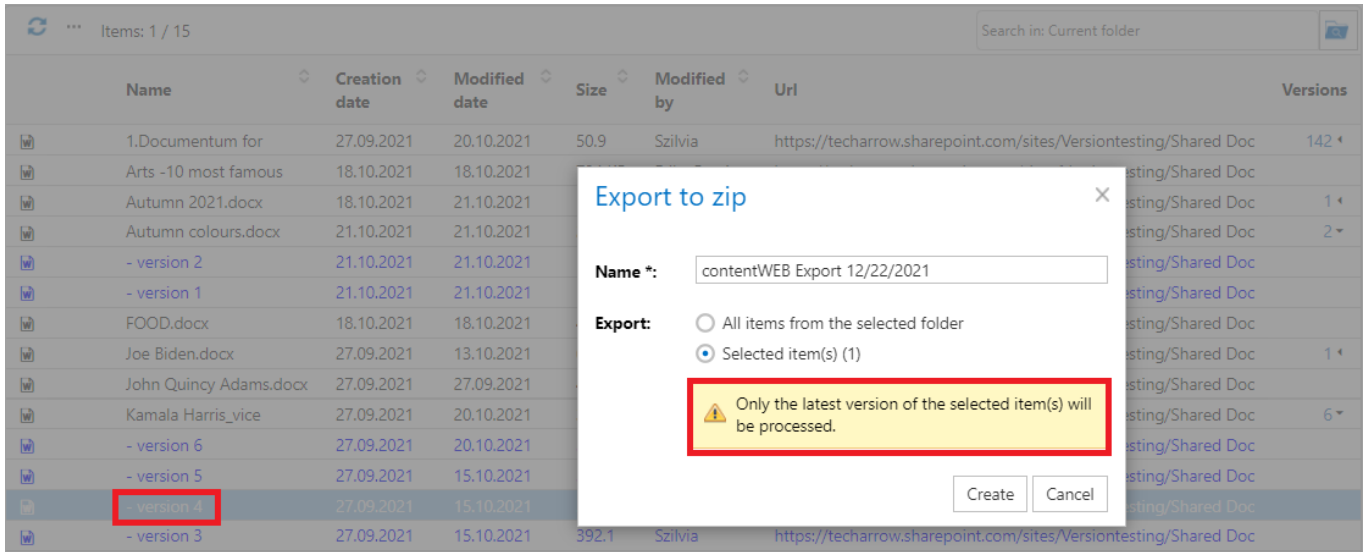
job archives this new file version into the archive. The archive job can build up the whole version history from the SharePoint site. In contentWEB, these versions are accessible in the “Versions” column of the item list. Click on the version count in this column and the document version(s) will be displayed. Document versions are marked with blue color.



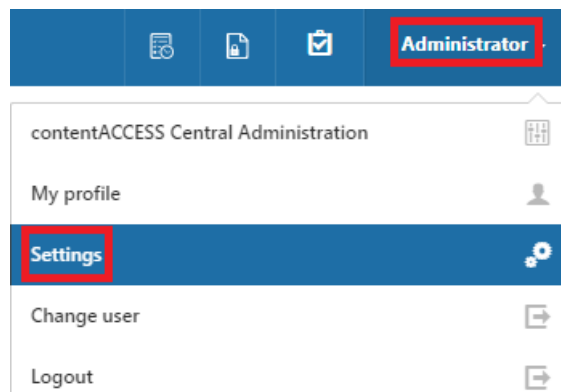
The version, the modification date, and the person who modified the items are displayed in the item’s preview too.



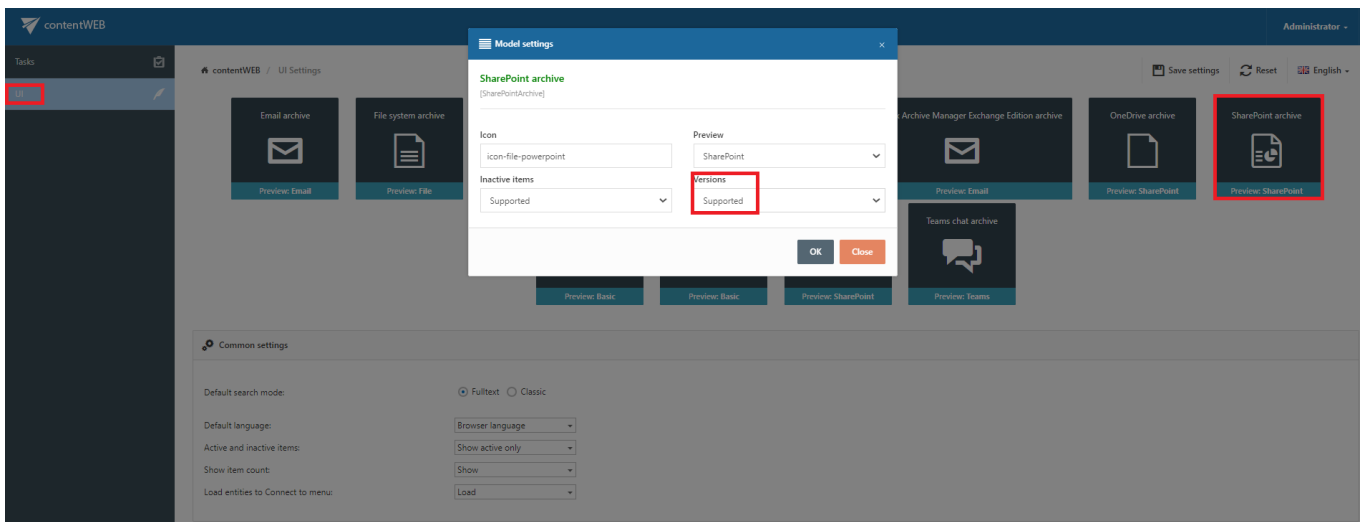
The **sharing**, the **search** and the **tasks** from the toolbar are working only with the latest/current version in the SharePoint archive. If the user stands on a previous version, the Share button is disabled. On the other hand, if the user stands on a previous version, the tasks from the toolbar are enabled, but a message will appear to inform the user that the latest version will be added to the selected task.



The version column needs to be enabled on the Settings page to see the versions in the contentWEB. To open the page, navigate to the logged-on user in the right upper part of the header bar, open the dropdown menu and click on **Settings**:



On the UI tab select the SharePoint archive model settings and select the **Versions supported** option from the drop-down menu. The changes need to be saved at the top of the page.



Important: LIMITATIONS: The full SP version history is archived for SharePoint 2019+ or O365

SharePoint archive tasks

By default, the following tasks can be triggered on the selected SharePoint archive items/folders using the toolbar buttons:

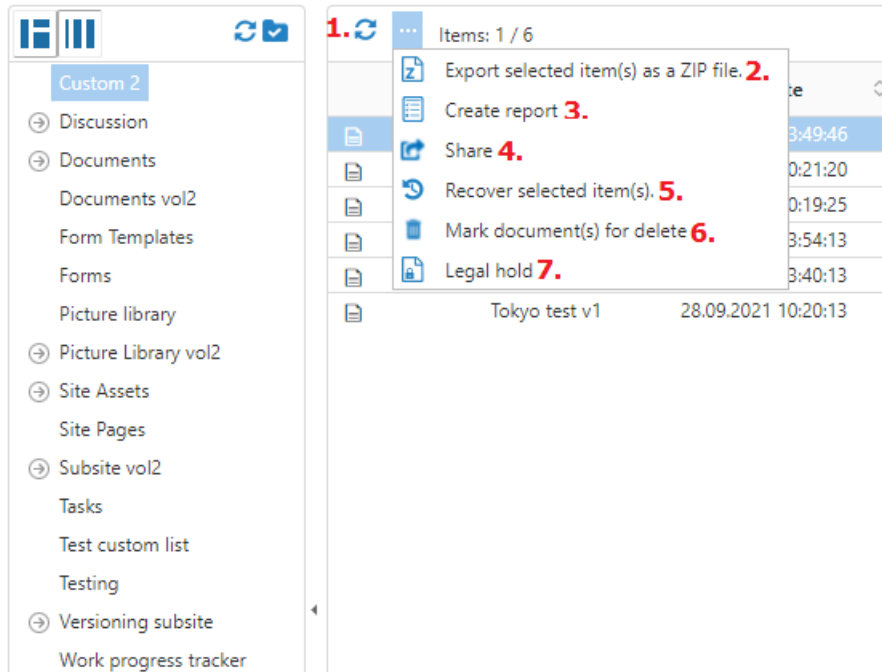
1. Refresh
2. Export selected item(s) as a ZIP file
3. Create report
4. Share item(s)
5. Recover selected item(s)
6. Mark document(s) for delete
7. Legal hold

The SharePoint archive tasks can be disabled/enabled in the Administrator's settings on the Task types tab. For more information read section [Enabling/disabling tasks](#).

It is possible to select

- the whole folder structure on the root,
- a recursive folder structure
- child folders
- and items to process

For more information refer to section [Folder selection methods](#).



1. **Refresh** - This toolbar button should be used if any items have not been displayed in the item list yet and the list of items should be reloaded
2. *Export selected item(s) as a ZIP file* - To export SharePoint archive item(s)/folder(s) as a ZIP file, select the desired item(s) from the list view (or select the node(s) in the left side pane) and click on the **Export selected item(s) as a ZIP file** button located above the list view. The exported items are zipped in the background (on the server side). The exported items/folders can be downloaded from the Tasks list. (For more information refer to section [Download of export actions](#)).
3. *Create report* - read more about this feature [here](#).
4. *Share item(s)* - with this option, you can easily share links pointing to the selected items, which can be later sent to other users. Read more about this feature [here](#).
5. *Recover selected items* - with this function the user is able to recover the deleted item(s)/folder(s) from the archive to the original location on the SharePoint site. The items can be recovered with the original modification date, or with the recovery date.
6. *Mark document(s) for delete* - With this task you can mark/unmark documents to be later deleted from the archive by the [Delete job](#). You can either way mark/unmark only the selected files, or all files

from the current folder.

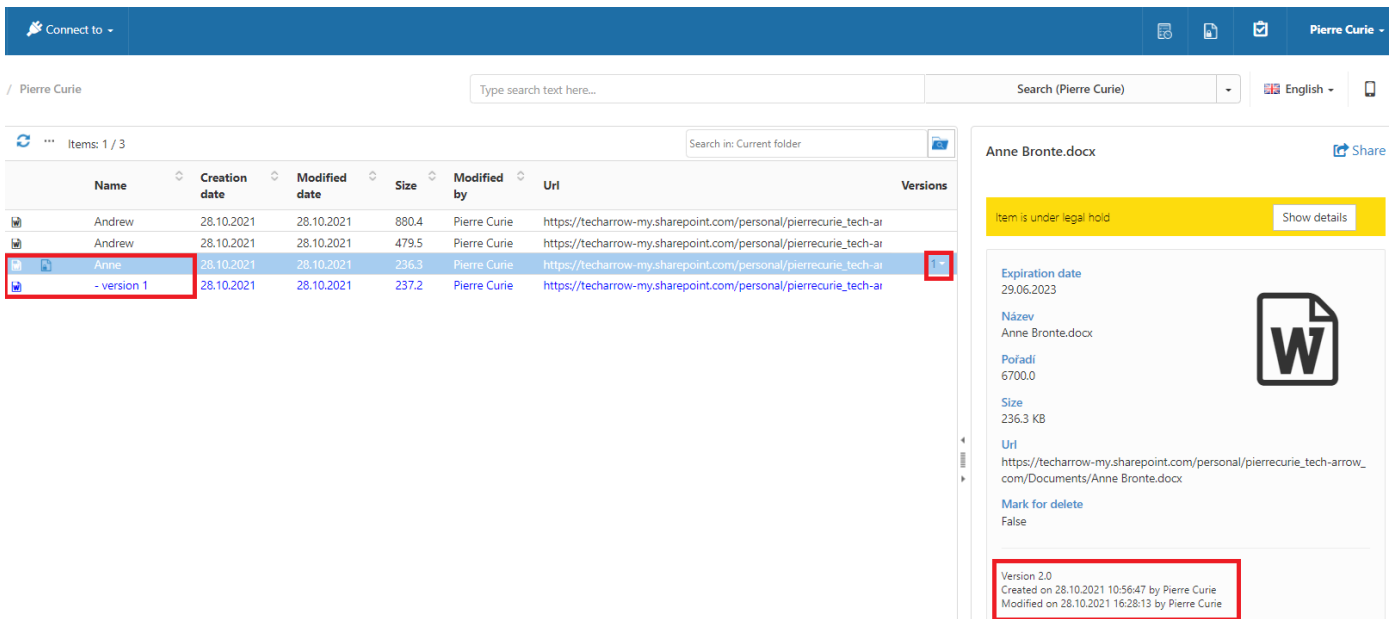
7. *Legal hold* - Read more about this feature [here](#).

OneDrive archive

contentWEB is also a web user interface for the contentACCESS OneDrive Archive. Any files archived by a OneDrive archive job can be accessed by an end user (with the necessary rights) from contentWEB during the files' retention time.

Item versions in OneDrive archive

In contentWEB, the user may also view the versions of a file that have been created during the archiving process. Versions are created when the original file is modified in the user's OneDrive account, and the archive job archives this new file version into the archive. In contentWEB, these versions are accessible in the “**Versions**” column of the item list. Click on the version count in this column, and the document version(s) will be displayed. Document versions are marked with blue color. The item versioning in the OneDrive archive works with the same method as in the SharePoint archive. For more information refer to chapter [Item versions in SharePoint Archive](#).



The screenshot displays the contentWEB interface. At the top, there is a navigation bar with 'Connect to' and 'Pierre Curie'. Below it, a search bar and a language selector are visible. The main area shows a file list with columns for Name, Creation date, Modified date, Size, Modified by, and Url. A table with 6 columns and 4 rows is shown. The third row is highlighted in blue and has a version count '1' in the 'Versions' column. Below the table, a detailed view of the selected file 'Anne Bronte.docx' is shown. It includes a yellow banner indicating 'Item is under legal hold'. The file details include: Expiration date (29.06.2023), Název (Anne Bronte.docx), Pořadí (6700.0), Size (236.3 KB), and Uri. A red box highlights the version information: Version 2.0, Created on 28.10.2021 10:56:47 by Pierre Curie, Modified on 28.10.2021 16:28:13 by Pierre Curie.

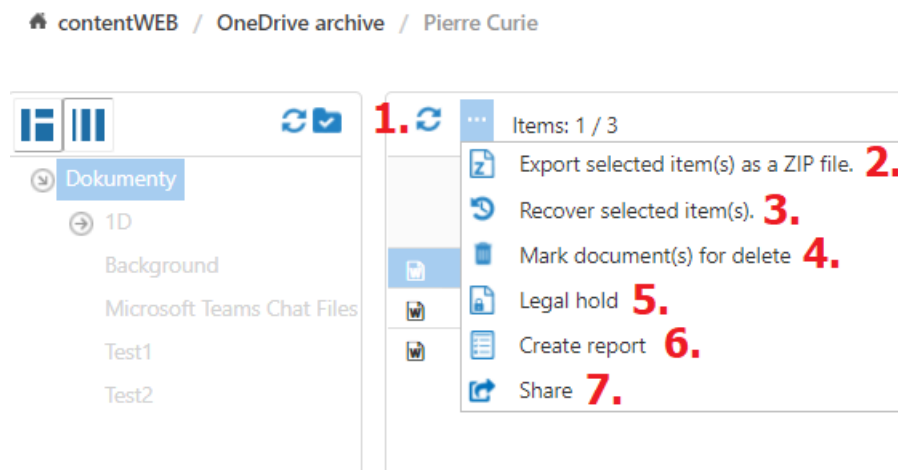
Name	Creation date	Modified date	Size	Modified by	Url	Versions
Andrew	28.10.2021	28.10.2021	880.4	Pierre Curie	https://techarrow-my.sharepoint.com/personal/pierrecurie_tech-ar	
Andrew	28.10.2021	28.10.2021	479.5	Pierre Curie	https://techarrow-my.sharepoint.com/personal/pierrecurie_tech-ar	
Anne	28.10.2021	28.10.2021	236.3	Pierre Curie	https://techarrow-my.sharepoint.com/personal/pierrecurie_tech-ar	1
- version 1	28.10.2021	28.10.2021	237.2	Pierre Curie	https://techarrow-my.sharepoint.com/personal/pierrecurie_tech-ar	

Anne Bronte.docx Share
 Item is under legal hold Show details
 Expiration date: 29.06.2023
 Název: Anne Bronte.docx
 Pořadí: 6700.0
 Size: 236.3 KB
 Uri: https://techarrow-my.sharepoint.com/personal/pierrecurie_tech-arrow.com/Documents/Anne Bronte.docx
 Mark for delete: False
 Version 2.0
 Created on 28.10.2021 10:56:47 by Pierre Curie
 Modified on 28.10.2021 16:28:13 by Pierre Curie

OneDrive archive tasks

By default, the following tasks can be triggered on the selected OneDrive archive items/folders using the toolbar buttons:

1. Refresh
2. Export selected item(s) as a ZIP file
3. Recover selected item(s)
4. Mark document(s) for delete
5. Legal hold
6. Create report
7. Share item(s)



Sharing

contentWEB is also a web user interface for the contentACCESS Sharing app. Any files shared by the app can be accessed by an end user (with the necessary rights) from contentWEB.

Sharing tasks

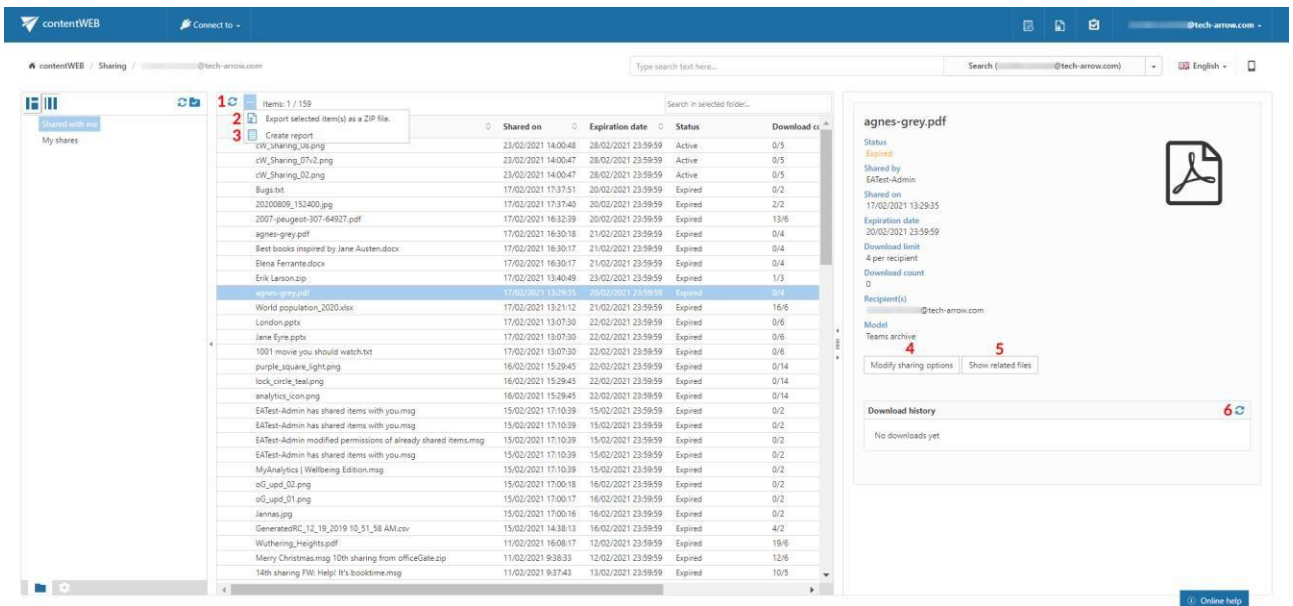
By default, the following actions can be run on the selected sharing items:

1. Refresh
2. Export selected item(s) as a ZIP file
3. Create report



- 4. Modify sharing options
- 5. Show related files
- 6. Download history refresh

The **Export selected item(s) as a ZIP file** and **Create report** sharing tasks can be disabled/enabled in the Administrator’s settings on the Task types tab. For more information read section [Enabling/disabling tasks](#).

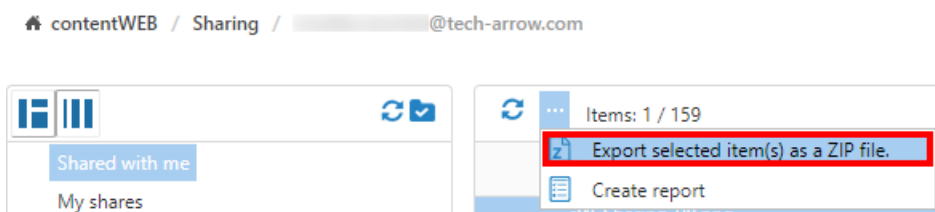


Refresh

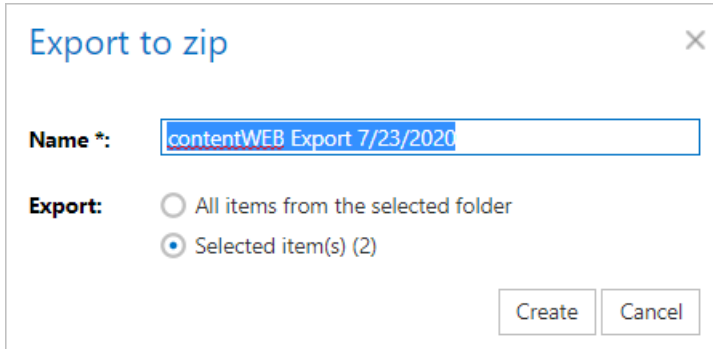
This option should be used if any items have not been displayed in the item list yet and the list of items should be reloaded.

Export selected item(s) as a ZIP file

To export one or multiple sharing item(s) into ZIP format, select the item(s) from the item list and click on the **Export selected item(s) as a ZIP file** button located above the item list.

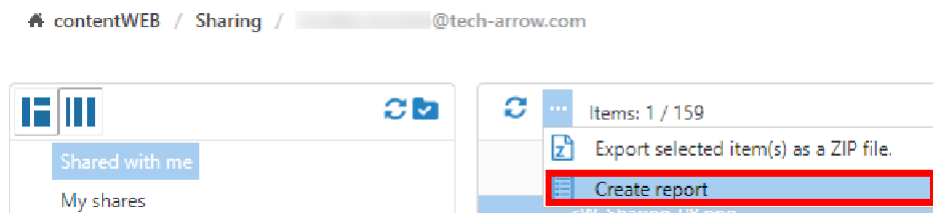


Choose if you want to export all items from the current folder, or only the selected item(s). Click on **Create** or press enter.

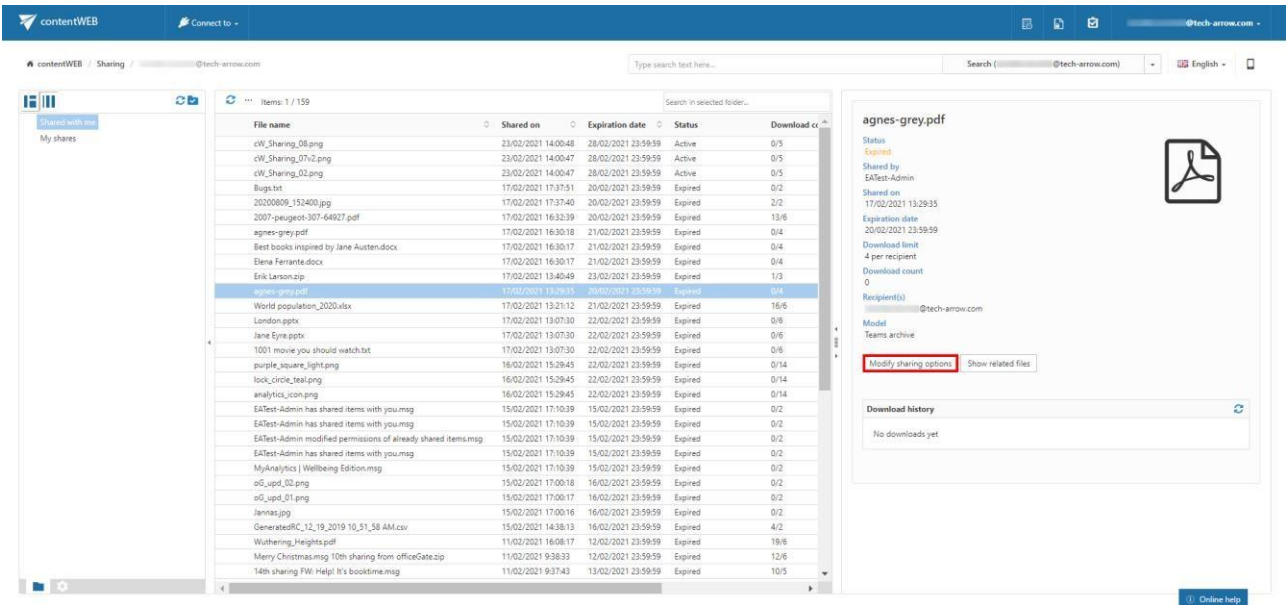


The dialog box is titled "Export to zip" and has a close button (X) in the top right corner. It contains a "Name *" field with the text "contentWEB Export 7/23/2020". Below this is an "Export:" section with two radio button options: "All items from the selected folder" (unselected) and "Selected item(s) (2)" (selected). At the bottom right, there are two buttons: "Create" and "Cancel".

Create report



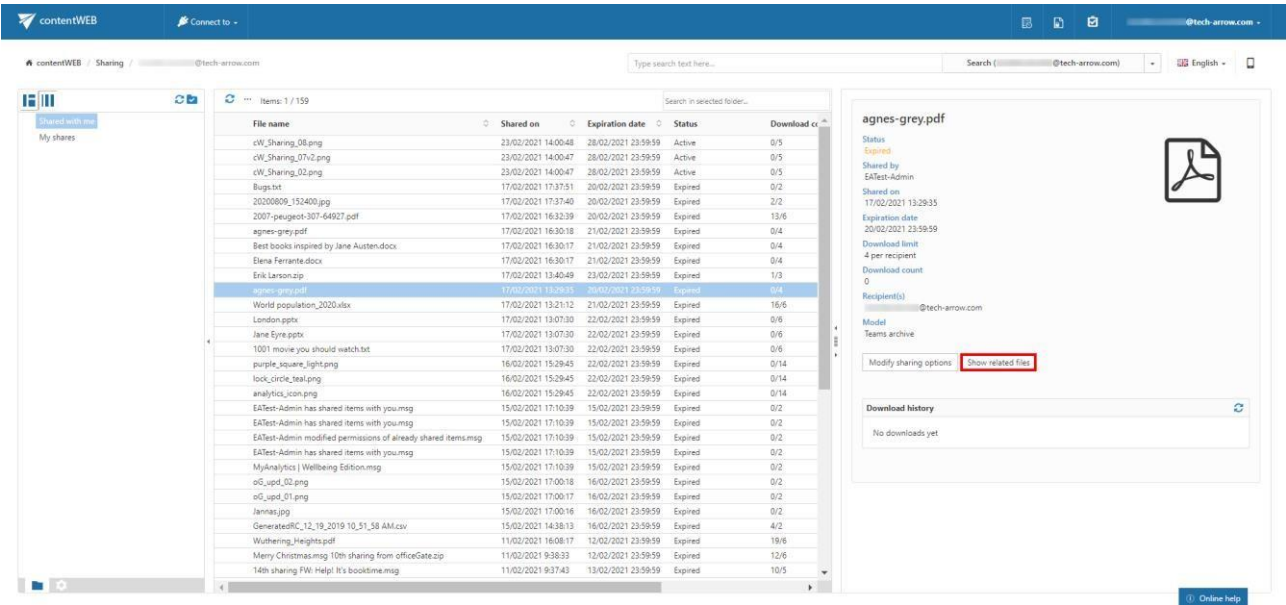
Read more about this feature [here](#).



Modify sharing options

Read more about this feature [here](#).

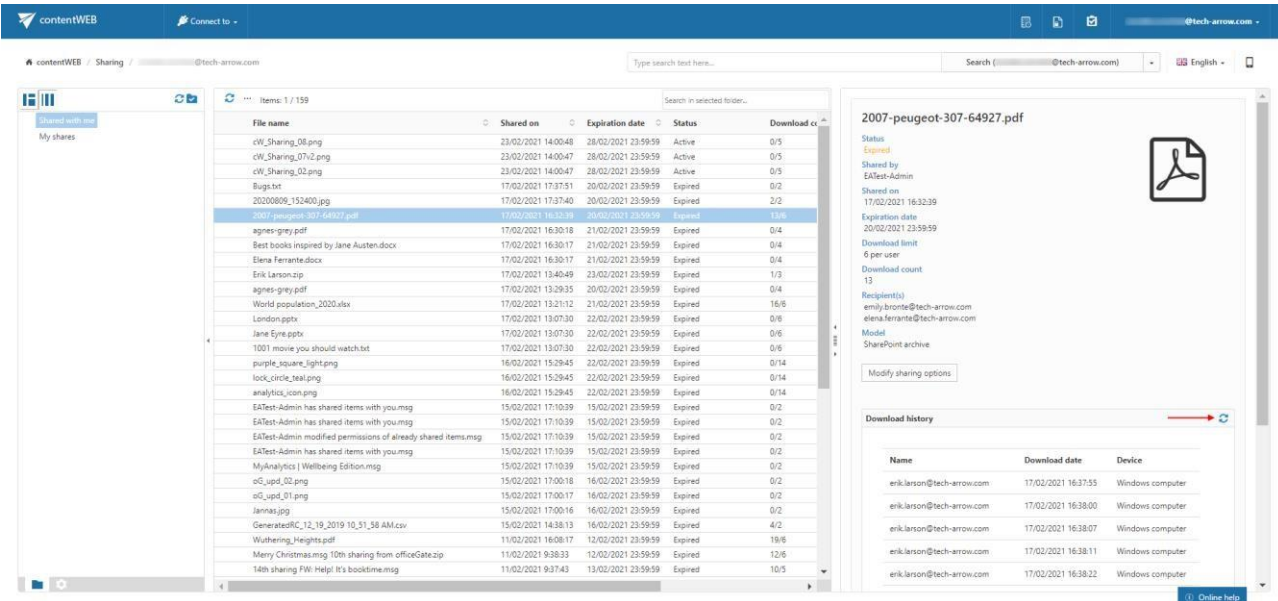
Show related files



Read more about this feature [here](#).

Download history refresh

This option should be used if any downloads of a shared item have not been displayed yet and the list should be reloaded.



Teams archive

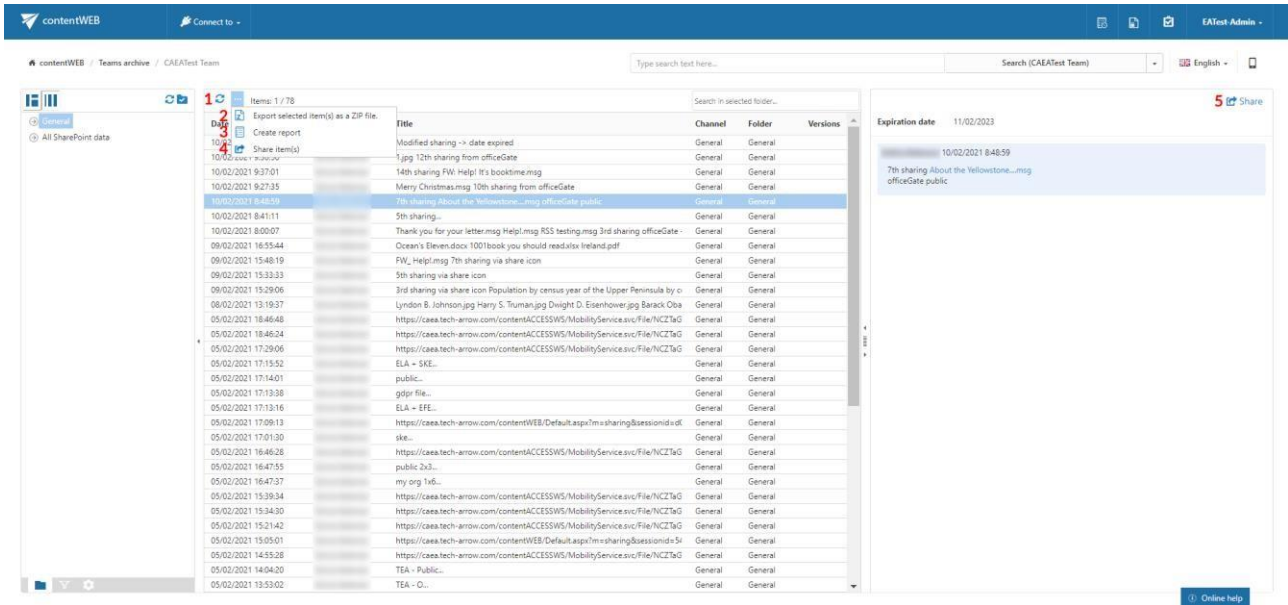
contentWEB is also a web user interface for Teams archive and Teams chat archive. Items archived by an archiving job can be accessed by an end user from contentWEB during their retention time.

Teams archive tasks

By default, the following actions can be run on the selected Teams archive items:

1. Refresh
2. Export selected item(s) as a ZIP file
3. Create report
4. Share item(s)

The Export selected item(s) as a **ZIP file** and **Create report** tasks can be disabled/enabled in the **Administrator's settings** on the **Task types** tab. For more information read section [Enabling/disabling tasks](#).

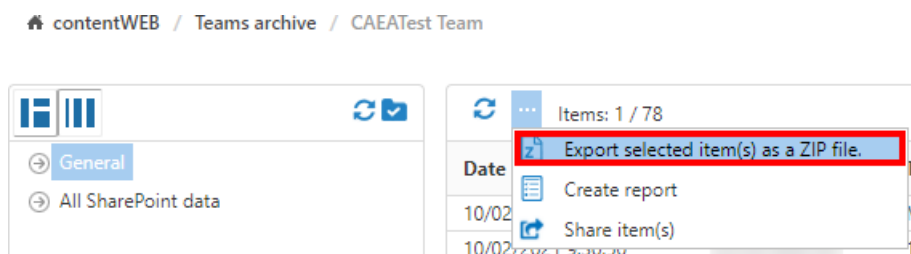


Refresh

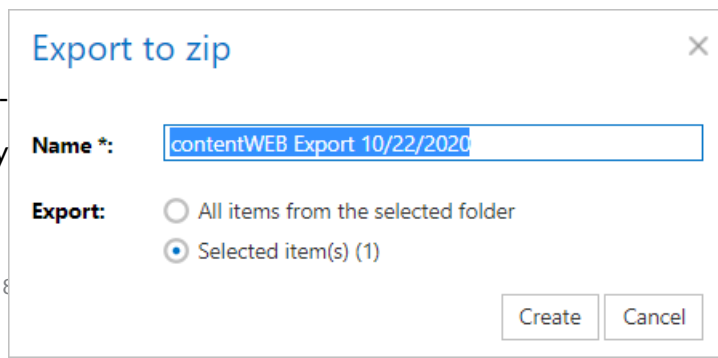
This option should be used if any items have not been displayed in the item list yet and the list of items should be reloaded.

Export selected item(s) as a ZIP file

To export one or multiple item(s) into ZIP format, select the item(s) from the item list and click on the **Export selected item(s) as a ZIP file** button located above the item list.



Choose if you want to export the current folder, or only



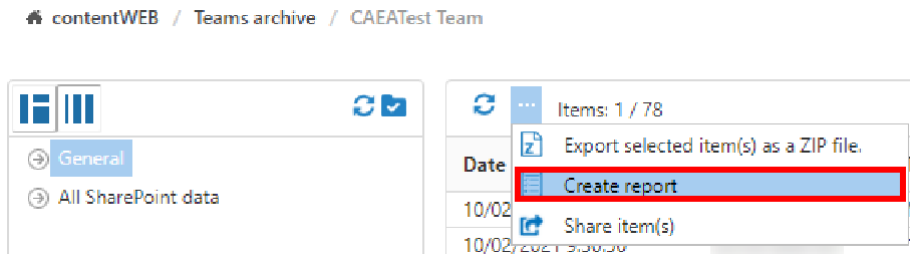
port all items from the selected



item(s). Click on

Create or press enter.

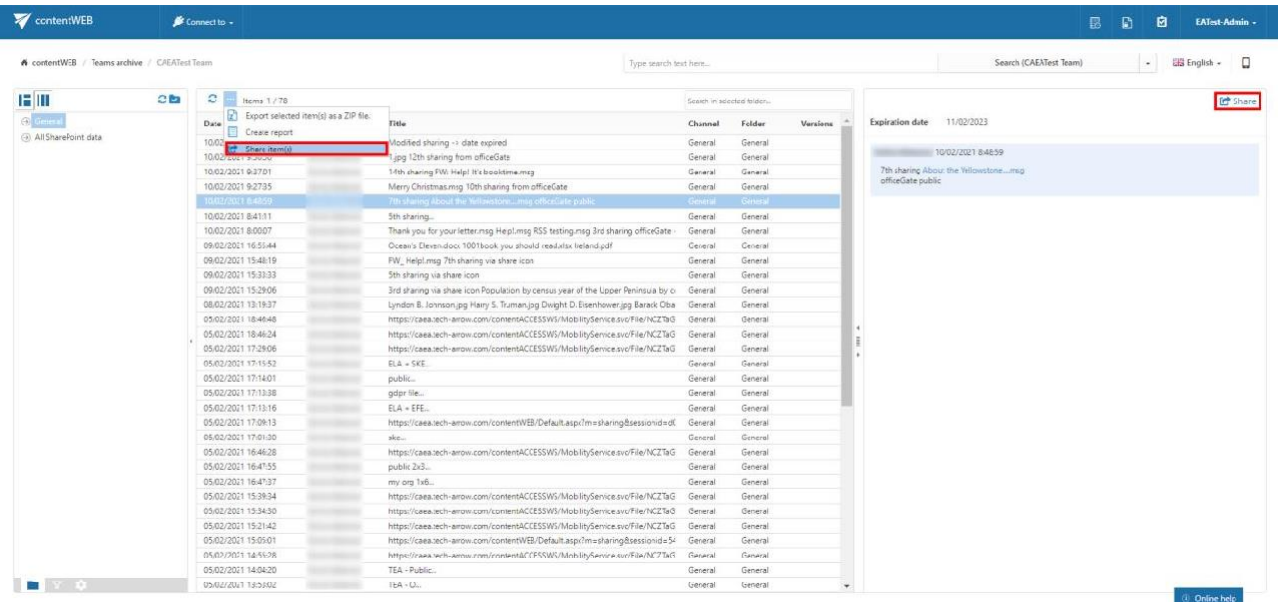
Create report



Read more about this feature [here](#).

Share item(s) and Share

With these options, you can easily share links pointing to the selected items, which can be later sent to other users.



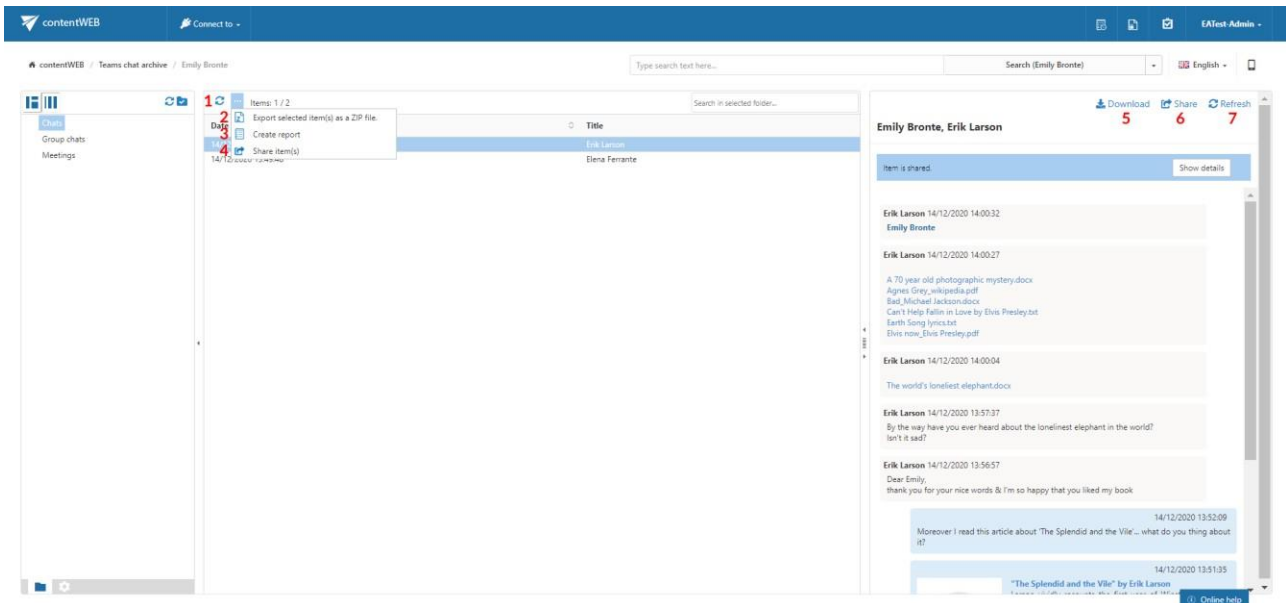
Both options are described in [this](#) section.

Teams chat archive tasks

By default, the following actions can be run on the selected Teams chat archive items:

1. Refresh (list)
2. Export selected item(s) as a ZIP file
3. Create report
4. Share item(s)
5. Download
6. Share
7. Refresh (item)

The **Export selected item(s) as a ZIP file** and **Create report** tasks can be disabled/enabled in the Administrator's settings on the Task types tab. For more information read section [Enabling/disabling tasks](#).

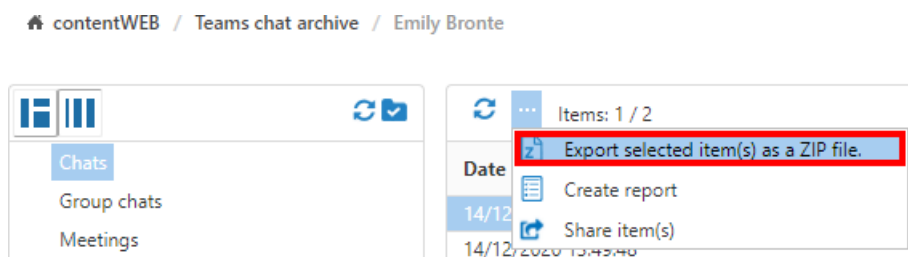


Refresh (list)

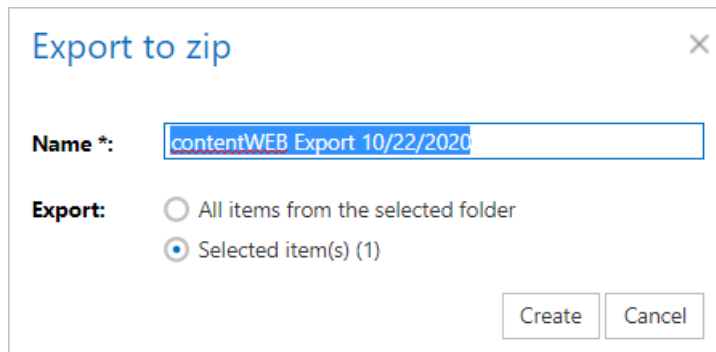
This option should be used if any items have not been displayed in the item list yet and the list of items should be reloaded.

Export selected item(s) as a ZIP file

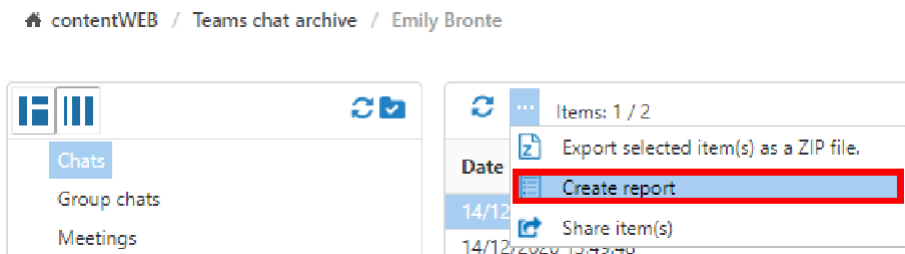
To export one or multiple item(s) into ZIP format, select the item(s) from the item list and click on the **Export selected item(s) as a ZIP file** button located above the item list.



Choose if you want to export all items from the current folder, or only the selected item(s). Click on **Create** or press enter.



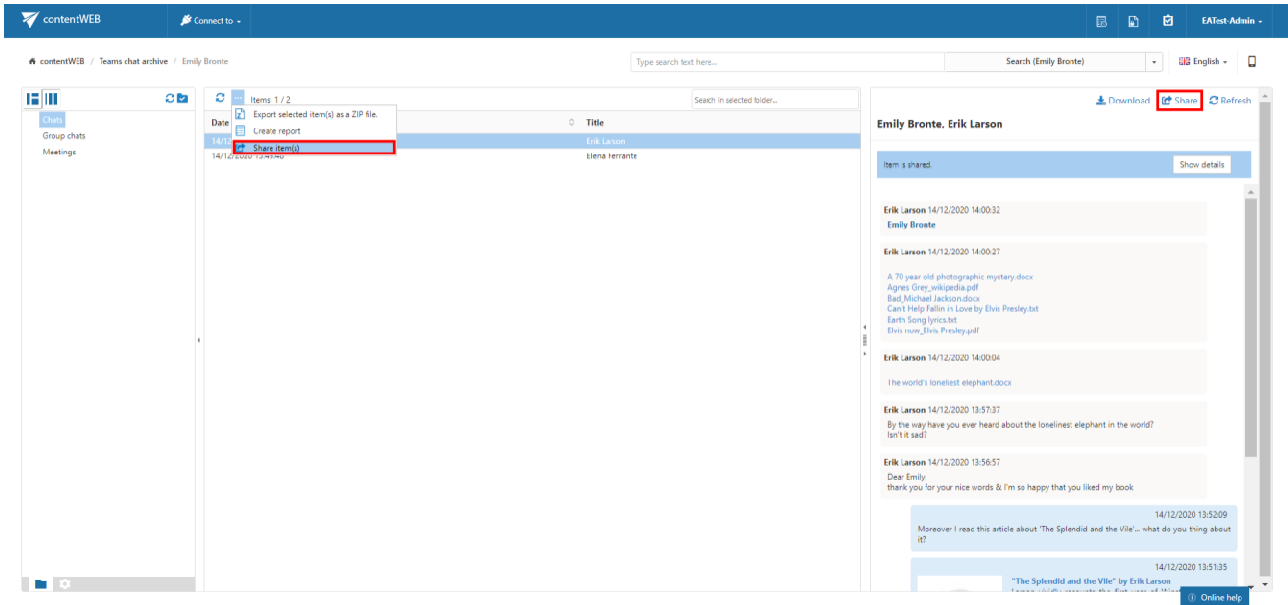
Create report



Read more about this feature [here](#).

Share item(s) and Share

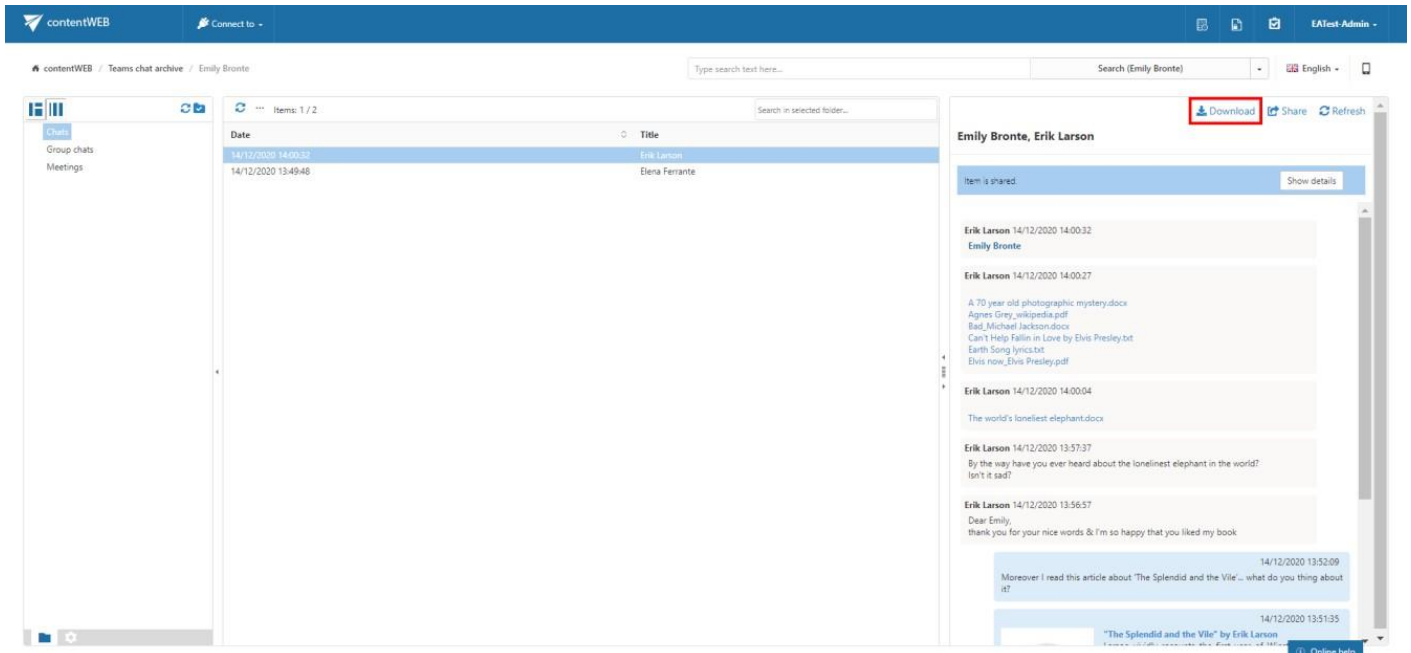
With these options, you can easily share links pointing to the selected items, which can be later sent to other users.



Both options are described in [this](#) section.

Download

The selected Teams chat archive item can be downloaded by clicking on this button.



Refresh (item)

This option should be used if any changes were made to the selected item and the changes are not yet displayed in the preview.