

OX App Suite
Minor Release v7.10.5

Feature Overview

V1.00

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1 OX App Suite v7.10.5

1.1 Intention of this Document

This document provides an overview of the new web frontend features, backend improvements and other changes included in this minor release of OX App Suite, v7.10.5.

The purpose of this document is to inform Open-Xchange customers, and partners, about the main changes that have been made in this release.

1.2 Key Benefits of OX App Suite v7.10.5

Open-Xchange is pleased to announce the release of OX App Suite v7.10.5.

Keeping in line with Open-Xchange's end-user strategy OX App Suite 7.10.5 contains many enhancements designed for users and the user experience.

Major enhancements in OX App Suite 7.10.5 include:

- **Federated Sharing of Folders**
Sharing of folders between context, or deployments, has been significantly enhanced to provide a smooth federated sharing experience. The sharing dialogs have also been updated to facilitate and simplify sharing in general.
- **Improved "Connect your device" wizard**
Connecting other devices to OX App Suite has been made even easier. The "Connect your device" wizard has been significantly enhanced and features simplified device selection and enablement with the use of QR codes.
- **OX Drive Usability**
OX Drive has received some significant updates, such as the ability to Drag & Drop Desktop folders into OX Drive; improved file/folder sharing dialogs; improved OX Drive search features and the introduction of hints when files/folders are being moved.
- **Saving Email Drafts**
Email drafts are now automatically saved in the drafts folder and are therefore available on all devices by default.

- **Navigation Improvements**

The top navigation area has been slightly redesigned to make accessing modules, help and settings easier.

2 General Improvements and Design Changes

2.1 Federated Sharing of Folders

OX App Suite 7.10.5 introduces the new concept of "Federated Sharing" which allows a user to integrate received shares from other contexts or servers into their own account. This provides a seamless integration of shared data and a smooth user experience. This is mainly because the remote data can now be accessed in the same way as if it would have been stored locally. As a result, collaboration with members of other contexts is even easier.

2.1.1 Overview

Whenever something is shared to an external user, an email is sent to the recipient. This contains a share link that can be used to access the shared data. The data is accessed via the "guest mode" of OX App Suite.

These notification mails are now used as entry point for setting up a permanent subscription to the shared data of the guest user. Once such an email message is received, in App Suite 7.10.5, it is analyzed and presents the option to the user to integrate the share into the user's own OX App Suite interface. If the user opts to integrate the file/folder OX App Suite will add it to the local folder tree below Shared Files or Public Files.

Note that no actual data is copied or synchronized for federated shares, and no additional quota is deducted for subscriptions. Instead, the data on the remote server is accessed live and directly.

In this release, shared folders from Drive and Calendar can be integrated.

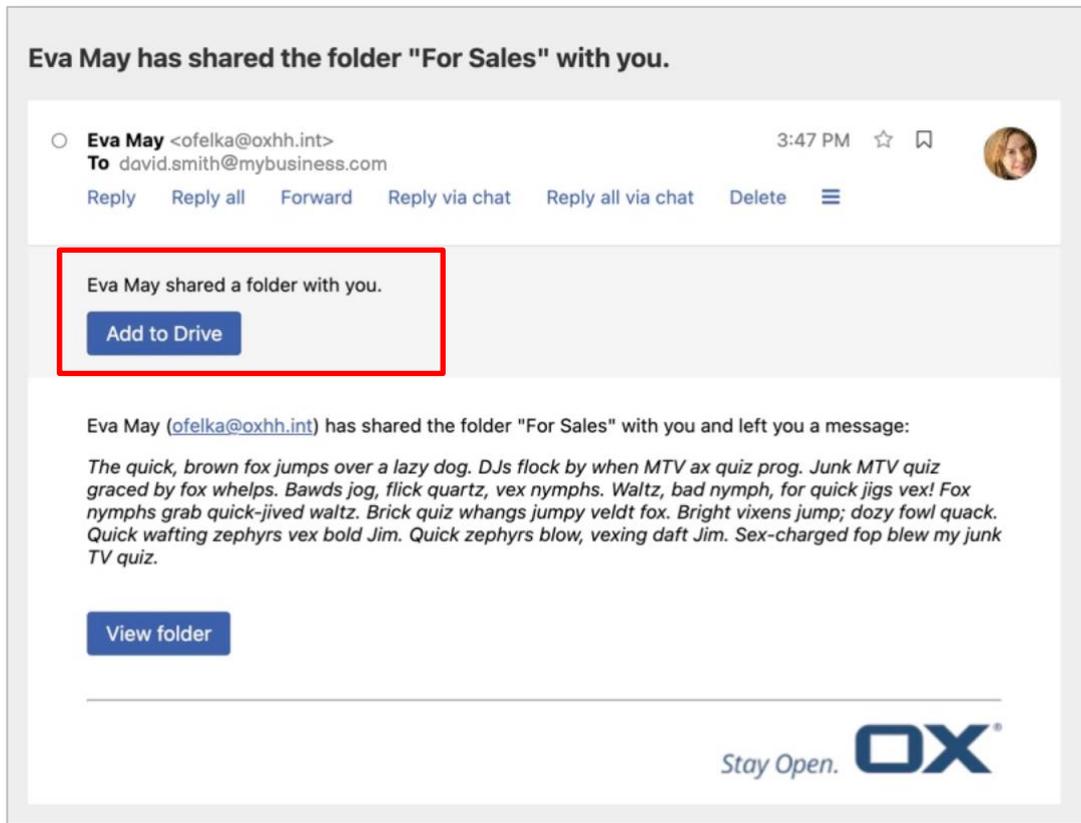
Note for Administrators: Further information can be found under:

https://documentation.open-xchange.com/7.10.5/middleware/miscellaneous/federated_sharing.html

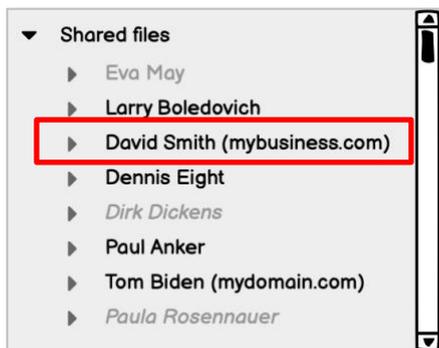
2.1.2 Federated Folder Sharing

Users are now able to add shared folders, received from other OX App Suite users, into the own folder tree. This can be done when an invitation email is

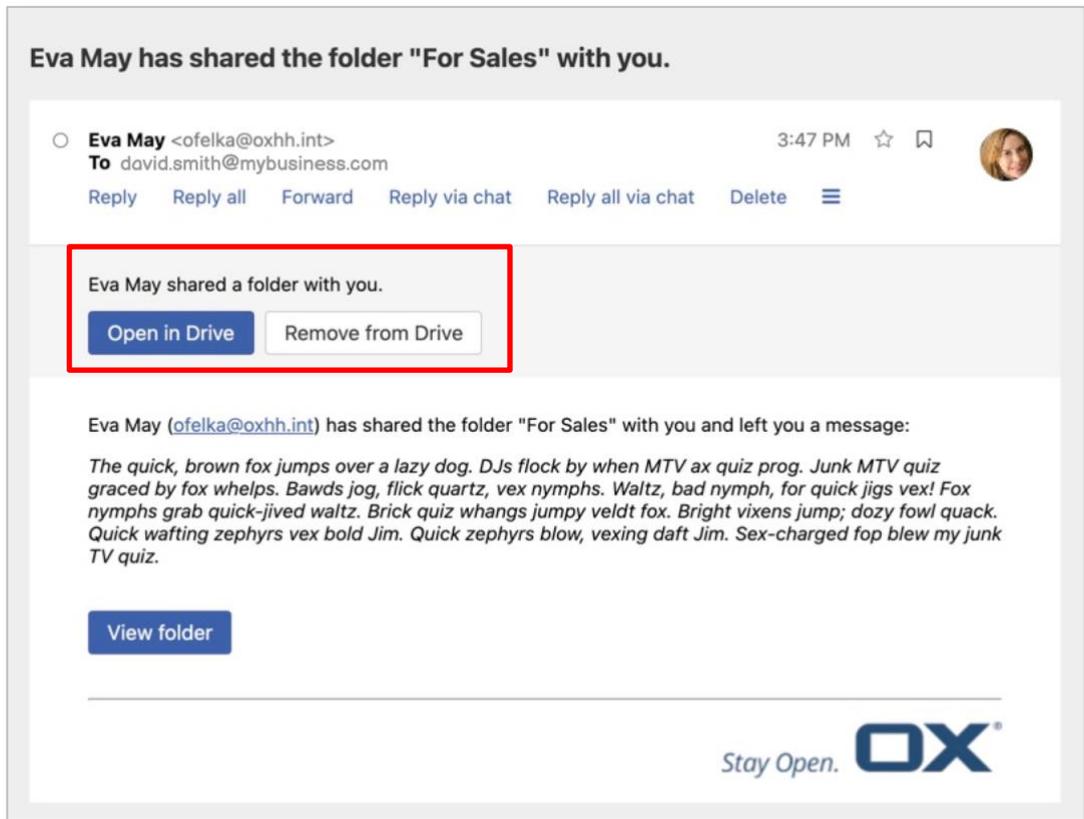
opened in the OX App Suite user interface. Please note that this integration does not work when the invitation email is opened in a different email client.



Folders from other servers can be easily identified in the folder tree as the domain name is added to the username.



If the federated shares are not needed anymore, it is possible to remove them again via the email or in the folder tree under “Manager shares”.



After removing them, it is still possible to re-link the folder from the original invitation mail or under “Manager shares”. Also, if a previously shared folder is no longer accessible (as it has either been deleted or permissions have been revoked), it will no longer appear as federated share.

Restrictions:

- It is not possible to integrate single file shares.
- Drive data from an integrated federated share is not available to the Drive synchronization clients.
- Re-sharing of federated shares is not possible.

2.1.3 Federated Calendar Sharing

In the same way that cross-context folder sharing done, it is also possible to add a shared calendar into the list of Public or Shared calendars.

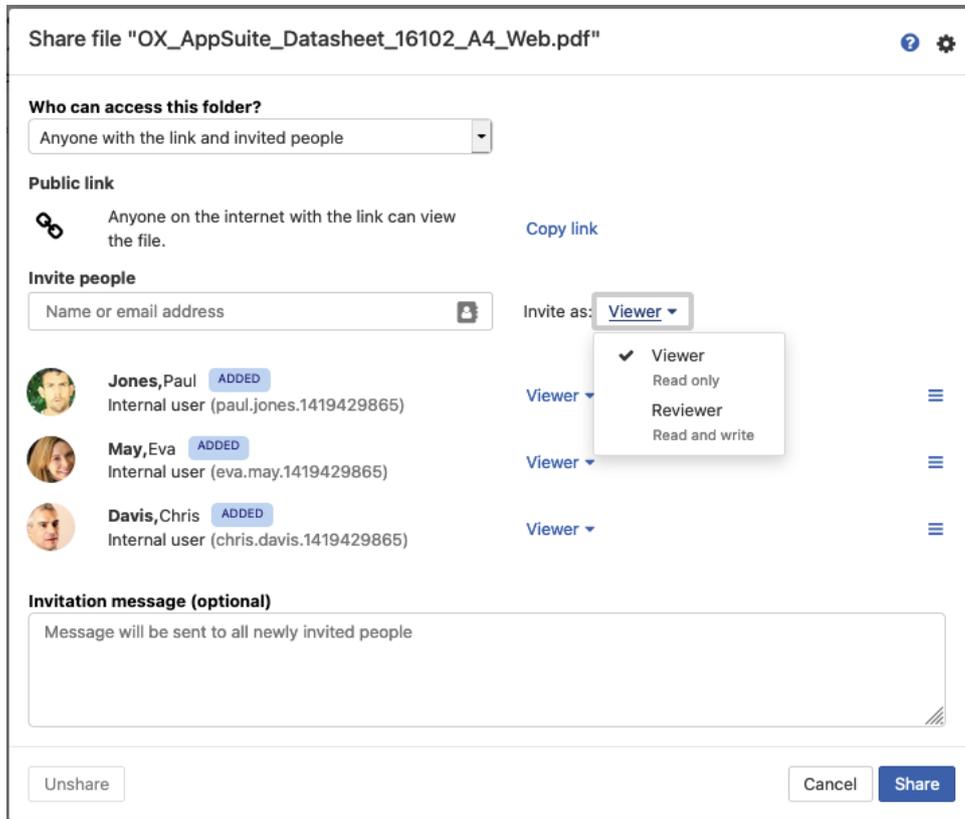
Restrictions:

- Free/busy lookups and conflict checks cannot be performed in remote federated shared calendars.
- Calendars from integrated federated shares won't be available when accessing the server via CalDAV.
- Re-sharing of federated shares is not possible.

2.2 New Sharing Dialog

The sharing dialog in OX App Suite has been completely re-designed. In the past the user had to first decide which of the two sharing modes they wanted to use: send an invitation via email or create a read-only link. Too often users were confused which of the two options they should use. They would often pick the wrong option. As a result, they have to cancel the whole sharing workflow. There was no option to switch from one use case to the other.

The new implementation allows to choose both options in one dialog and has just one access point for sharing.



The dialog guides the user with some simple questions, such as “Who can access this folder”. Then in a step-by-step approach they are guided through the different sharing options. Inviting people is the default option. This is because this way of sharing also allows for collaborate with other users. It is also possible to create a public link. This can be used by anyone on the internet to get guest access to this object or folder.

Inviting people now has the option to set default permissions. This makes it easy to invite a number of people with the same permission, but of cause, if needed, permissions can still be changed individually between “Viewer”, “Reviewer”, “Author” or “Administrator”.

Newly invited people are always inserted at the top of the list of invitees. This makes it easy to identify these new users.

All sharing options such as including subfolders, defining an expiration date or add password are now available in a sperate dialog.

2.3 Redesigned Top Bar Structure

In OX App Suite v7.10.5 we have slightly redesigned the Top Bar structure. The aim is to improve the user experience. The user will now find the main menu of all available modules on the left side of the top bar. Additionally, the dropdown elements on the right side have been re-sorted:

- The quick launcher menu is now at the start of the top bar. This makes it easier for the user to find.
- The account dropdown will only include user related items:
 - Edit contact data
 - Logout
- The Help icon will now have
 - Help
 - (multiple) Guided tours
 - Feedback
 - About dialog
- The settings icon will now have
 - Settings
 - Connect your device

Particularly the repositioning of the quick launcher will help the user to find an easy and quick way to access all available apps in the OX App Suite UI. The restructure of the other menu items also provides a better overview of the available settings.

2.4 New "What's new" Dialog

In the past, Open-Xchange provided, to our customers and partners, a detailed overview about new functionality via official communication. In order to extend this flow of information to end users OX App Suite v7.10.5 now introduces a new "What's new" dialog.

With this new dialog users can instantly see the main new improvements provided by a new version.

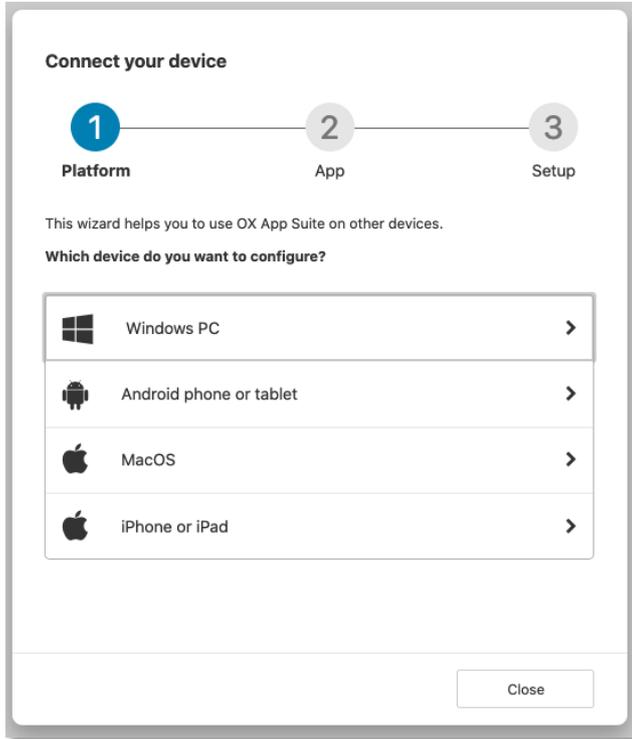
The dialog will be displayed the first time a user logs into a new upgraded version of OX App Suite. They can also trigger it by clicking the “What's new” link in the account drop down. The content of the new dialog can be defined by the Open-Xchange customer.

2.5 Improved “Connect your device” Dialog

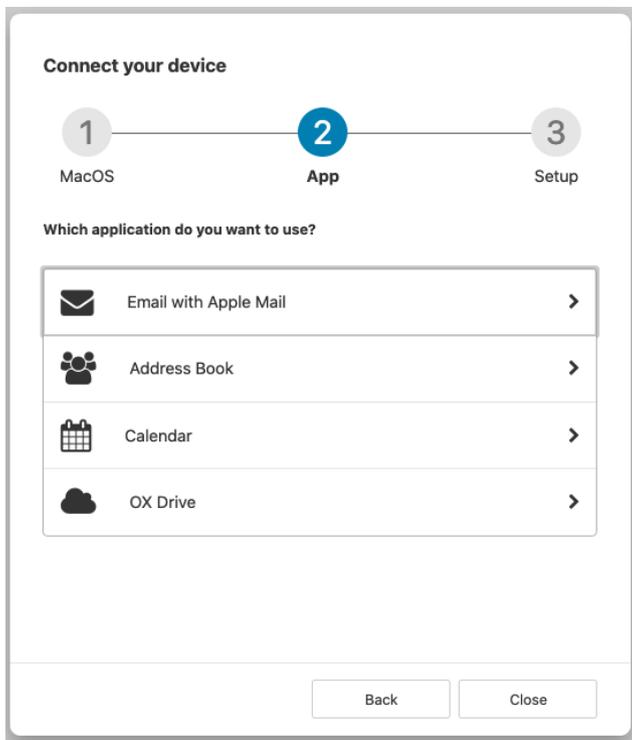
In general people are using mobile devices more and more. This can mean that users primarily use, or in some cases only have, a mobile device. This trend is on the increase.

With this release we have made connecting other devices to OX App Suite even easier. The “Connect your device” wizard has been significantly enhanced. It now features simpler device selection, as well as easier ways to enable the device itself, such as the use of QR codes.

After the user starts the wizard, via the main settings menu, the new dialog is displayed. It provides a more structure overview of the devices that can be connected. It then uses a step-by-step approach to connect them.



After the user chooses a platform, the next step provides all the available options.



2.6 Compose in Drafts folder

In OX App Suite 7.10.2 a new backend implementation for composing emails was introduced. This provided features such as instant attachment upload, attachment previews and listing of abandoned compose windows after login.

The original implementation was based on the OX App Suite database and file store. It only produced full draft emails if explicitly requested by the user. To address some resulting usability issues 7.10.5 comes with an alternative mail compose backend. This is based on real draft emails. The new approach operates solely on draft emails in users "Drafts" folders and is active by default. This method will replace of the former mechanism.

The database and file store-based mechanism is herewith declared as deprecated removed in future releases.

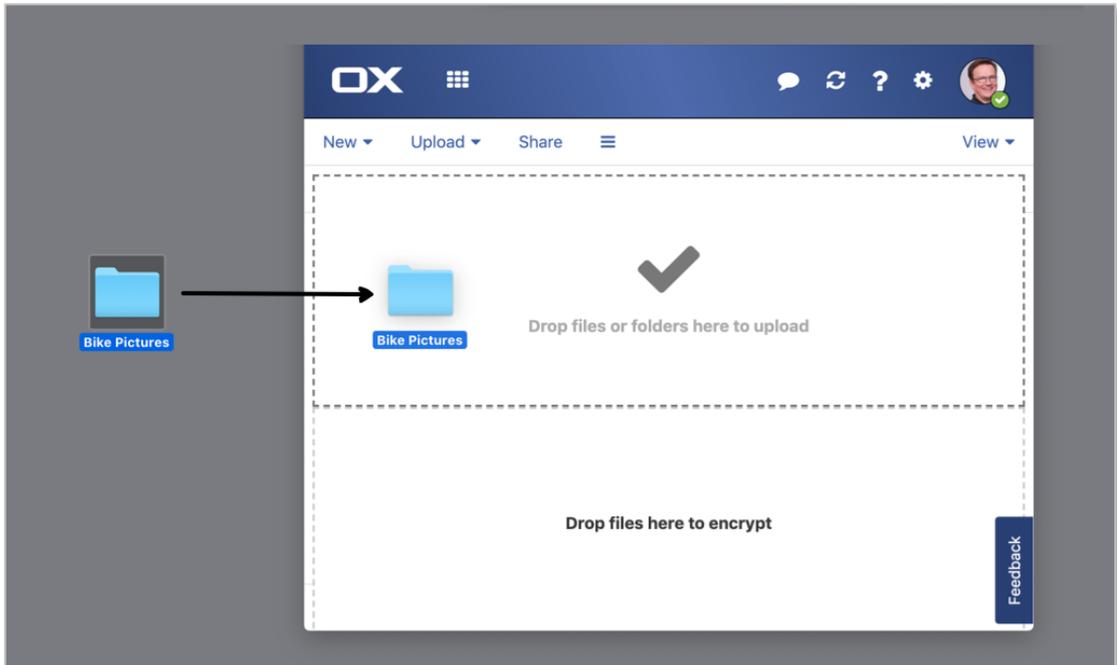
Please note that the former approach is still used for all still open composition spaces. Do not decommission the database or file store resources until no more spaces are managed by the old mechanism.

Note for Administrators: Further information can be found under:
<https://documentation.open-xchange.com/7.10.5/middleware/#new-and-noteworthy-in-7-10-5>

3 OX Drive Enhancements and Design Updates

3.1 Upload Folders via Drag & Drop

With OX App Suite v.7.10.5 it is now possible to upload entire folders to OX Drive via drag & drop from the desktop.



It is also possible to upload more than one folder in one step. Also, folders including subfolders are also supported. Before the upload starts, the available storage space is checked. If the user does not have enough space, a warning is shown, and the upload is not started. If a folder name already exists, a number in brackets is appended to the second folder. During the upload process it is possible to continue working in the product. Please note, empty folders are not uploaded.

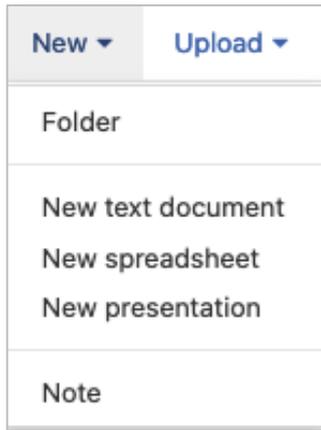
3.2 Upload Folders via new Toolbar Menu

In addition to using drag & drop, folders (and files) can also be uploaded from the desktop to the current location in OX Drive via a new “Upload” toolbar option.



3.3 Restructured “New” Menu

The file upload was removed from the “New” menu option. This now provides the ability to create new (empty) folders, text documents, spreadsheets, presentations or notes in the current location in OX Drive:



The "New" and "Upload" options provide a clear separation between creating new and uploading existing objects.

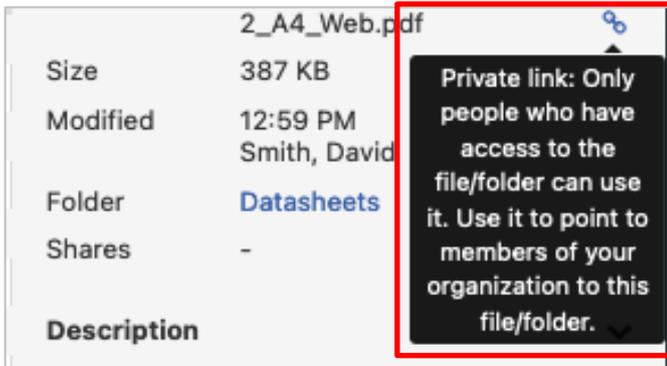
3.4 Improved Internal Sharing of Files and Folders

Sending large files via email is a thing of the past. OX Drive lets users share single files and entire folders with internal and external users.

When working with internal users it is often not necessary to share file or folders. This is because they already have access to these files/folders (they have the appropriate permissions in the “Public files” folder tree).

In this case it is sufficient to just send them a private link (internal reference) to where the file or folder is located.

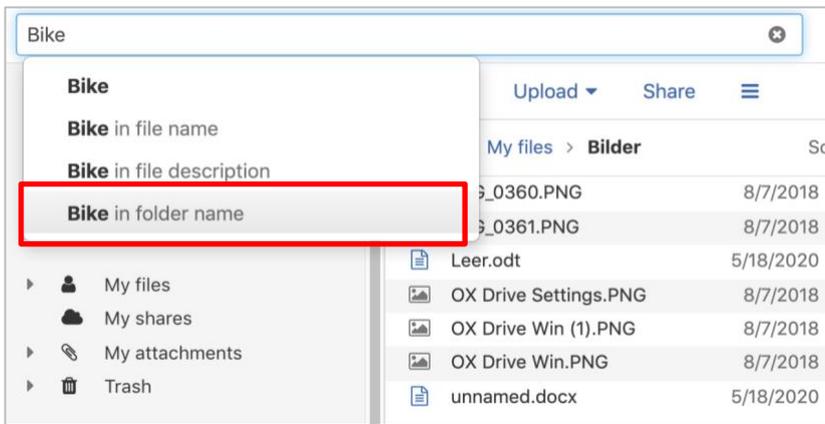
To get this private link, there is a small link icon in the details view close to the file or folder name. Just press this link and the URL is placed in your clipboard. You can then paste into an email, message, chat etc.



The bubble helps explains that this link cannot be used for external users. Clicking the icon copies the link into the clipboard. In addition, the user gets feedback in a notification window, that the link is copied to the clipboard.

3.5 Improved Search in OX Drive

A search in OX Drive now includes folder names:



The search menu has a new option “in folder name” to define the data source to be searched. If “in folder name” is selected, the search is limited to folder names.

Just as for files, it also supports searching subfolders of a specific folder, recursively, and through all visible folders.

Search results are much faster now as a new full text index is used in the Drive module.

Note for Administrators: Further information can be found under:

<https://documentation.open-xchange.com/7.10.5/middleware/#new-and-noteworthy-in-7-10-5>

3.6 Introducing Different Modes of Permission Handling When Moving Folders

It is important to have control over what people can and cannot do with shared data. OX App Suite offers granular access permissions to control who can access files and folder, and what kind of access they get.

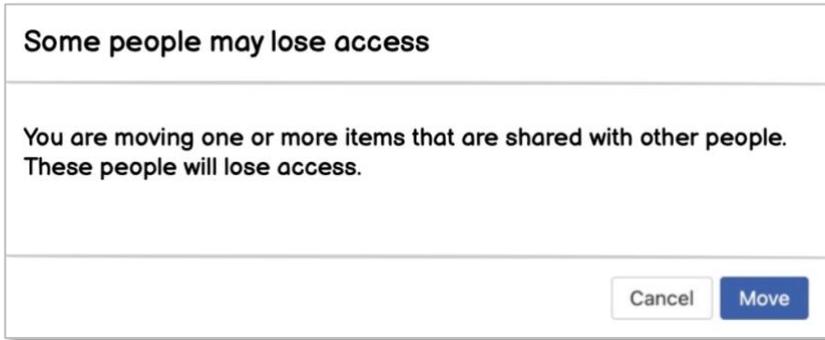
OX App Suite also allows control when shared folders that are moved in a folder tree or from one folder tree to another, i.e. from “Public files” to “My files”. These move scenarios can have three modes:

- “Keep” – the permissions of the moved folder (and any subfolder) remain unchanged.
- “Merge” – the permissions of the new parent folder are added
- “Inherit” – the permissions of the new parent folder are taken over as-is in the folder that has been moved. This also applies to any subfolder that is moved in the process. This is the new default for a folder move.

In former versions the default mode was “keep” the permissions unchanged when a folder was moved. This led to some confusion as moving a folder out of a shared parent folder did not automatically change the permissions of the folder. A second step was required to adapt the permissions.

With this new default behavior, it is now possible to remove a folder (Folder A) from a shared folder (Folder S). As a result, user will no longer see the moved files or folders (Folder A) in the shared folder (Folder S). Any permission on the moved folder (Folder A) that were inherited from the shared folder (Folder S) will now be removed. And new permissions will be inherited from the destination folder.

When a user moves a folder from a shared folder, the user sees a warning before the move takes effect:



4 Administration, Technical Extensions, Plug-ins, etc

4.1 OAuth 2.0 Support for OX App Suite

Since OX App Suite 7.8.0 the OX App Suite is able to act as an OAuth 2.0 provider to allow access to certain API calls. With version 7.10.5 support for external authorization servers has been improved, the endpoints that can be accessed with OAuth have been expanded and their API documentation has been further enriched.

Note for Administrators: Further information can be found under:

<https://documentation.open-xchange.com/7.10.5/middleware/#new-and-noteworthy-in-7-10-5>

4.2 Upgrade Hazelcast to v4.0

There is a major Hazelcast library update to OX App Suite v7.10.5. This means that when updating from an earlier backend version, due to the upgraded library, it is not possible to form a cluster of nodes that run previous version of Hazelcast (i.e. existing volatile data in the cluster will be lost during the update). A consistent Hazelcast cluster is needed for cluster-wide cache invalidation. To circumvent problems with database update tasks that need to perform cache invalidation, please follow the steps described here: https://documentation.open-xchange.com/7.10.5/middleware/administration/running_a_cluster.html

4.3 New Package Signing Keys

With this release Open-Xchange rolls out new cryptographic key material for package and repository signing. With the new key material, we are using future-proof cryptography and comply with upcoming platform requirements. Since the previous public-key is installed and trusted on all machines that fetch packages from software.open-xchange.com repositories and packages signed with the new key material will not be accepted by existing deployments and potentially cause error when attempting to update. In order to update packages from software.open-xchange.com it is mandatory to deploy and trust the updated public key. We are providing documentation on this topic for various platforms here: https://oxpedia.org/wiki/index.php?title=Importing_OX_Buildkey