



Open-Xchange App Suite

Major Release v7.4

Feature Overview

v1.4

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1. OX App Suite on Mobile- and Tablet Devices

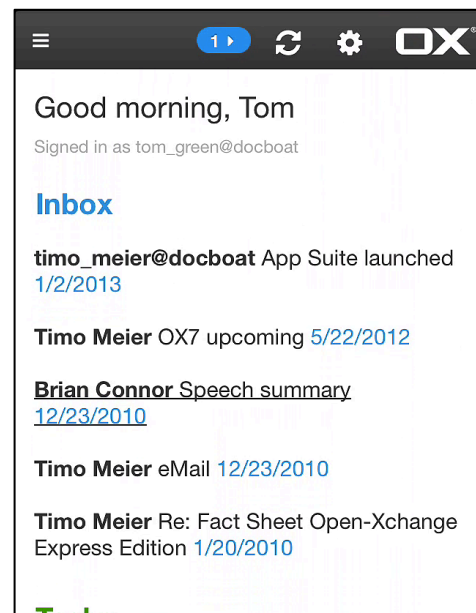
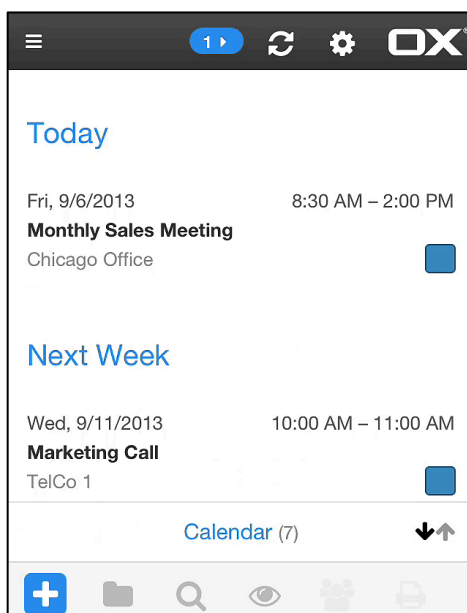
Office PC, laptop, tablet, smartphone; email, social networks, calendar, instant messaging – our digital lives are becoming increasingly complex, spanning multiple devices and diverse applications. As a result, features originally designed to save time, now cost time – as we navigate from one machine to the next and swap between interfaces. OX App Suite from Open-Xchange is the ideal solution. It is a one-stop platform that combines email, calendar, contacts, files and more – helping users regain control over their digital lives, at work and at play.

OX App Suite on Mobile- and Tablet Devices is designed for mobile devices Apple iPhone 4, 4S and 5 with iOS 6 / iOS 7 and smartphones with Android Jelly Bean (v4.1 – v4.2) and tablet devices Apple iPad with iOS 6 / iOS 7 and tablets on Android Jelly Bean (v4.1 – v4.2).

1.1. Function Set on Mobile- and Tablet Devices

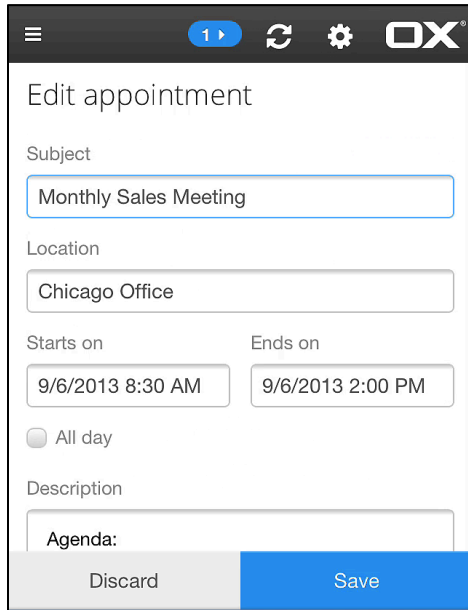
1.1.1. In General

OX App Suites supports the three standard categories of device: Smartphone, Tablet, PC via a responsive web based interface that adapts to the device being used. Note, not all functions are relevant to all devices; therefore some functions will not be available on specific devices.

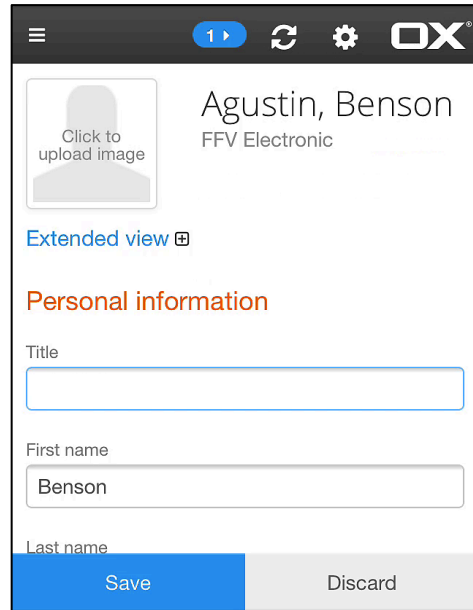


1.1.2. Create, Edit and Delete, Emails and Groupware Objects

When a user creates, edits or deletes an email, contact, appointment or task, they are presented with a data entry window. Optional fields may be hidden at the start and become visible when required. This provides an easy workflow for a variety of actions.



The screenshot shows the 'Edit appointment' form. At the top, there is a navigation bar with a hamburger menu, a blue button with a right arrow, a refresh icon, a settings gear, and the 'OX' logo. The form title is 'Edit appointment'. Below the title, there are several input fields: 'Subject' with the text 'Monthly Sales Meeting', 'Location' with 'Chicago Office', 'Starts on' with '9/6/2013 8:30 AM', and 'Ends on' with '9/6/2013 2:00 PM'. There is an 'All day' toggle switch which is currently off. Below these is a 'Description' field with the text 'Agenda:'. At the bottom, there are two buttons: 'Discard' (grey) and 'Save' (blue).



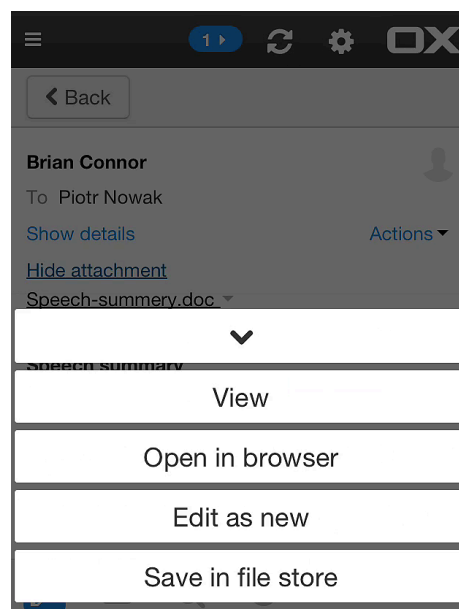
The screenshot shows the contact details for 'Agustin, Benson'. At the top, there is a navigation bar with a hamburger menu, a blue button with a right arrow, a refresh icon, a settings gear, and the 'OX' logo. The contact name is 'Agustin, Benson' and the company is 'FFV Electronic'. There is a placeholder for a profile picture with the text 'Click to upload image'. Below the name, there is a link for 'Extended view' with a plus icon. The section is titled 'Personal information' in orange. Below this, there are input fields for 'Title', 'First name' (containing 'Benson'), and 'Last name'. At the bottom, there are two buttons: 'Save' (blue) and 'Discard' (grey).

1.1.3. Attaching and Saving Files

OX App Suite lets users save files in OX Files or attach files directly to apps. Files can be attached to the following:

- Email attachments
- Calendar attachments
- Task attachments
- Contact attachments

Note, attachments received via email can be saved directly to OX Files from the menu:



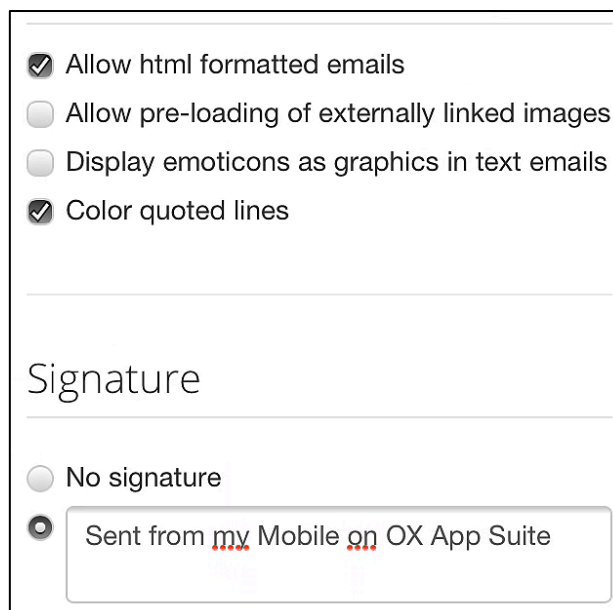
1.1.4. Swipe Gesture support in the mobile GUI

On supported devices, swipe gesture can be used. The following gestures are available:

- OX Mail: Swipe right on mail to show the delete button
- OX Contacts: Swipe right on a contact to show the delete button
- OX Files: Swipe right on a file item to show the delete button
- Folder tree popup: If the folder tree is opened on a smartphone, swipe-left to close
- Image slideshow: Swipe-left/right to show next/previous image

1.1.5. Custom Mobile Signature

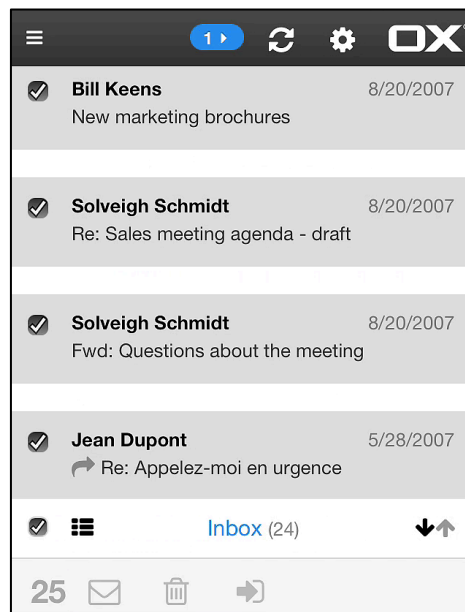
Users can create a custom mobile signature in settings. The default signature is set to "Sent from OX App Suite via mobile".



The screenshot shows a settings menu with four options: "Allow html formatted emails" (checked), "Allow pre-loading of externally linked images" (unchecked), "Display emoticons as graphics in text emails" (unchecked), and "Color quoted lines" (checked). Below these is a "Signature" section with a text input field. The "No signature" option is unchecked, and the "Sent from my Mobile on OX App Suite" option is selected. The text in the input field is "Sent from my Mobile on OX App Suite".

1.1.6. "Toggle All" Checkbox in Email Folder list

Users can select all the objects in the Email folder on a mobile device. This is done by first activating selection mode and then pressing the checkbox in the content toolbar (on the bottom left). Clicking on that checkbox toggles the selection of all emails in that folder.





1.2. General Improvements for Mobile Devices

1.2.1. Add OX App Suite to the device Home Screen

With the first login to OX App Suite on mobile and tablet devices a message is displayed asking a user if they wish to add a link to their Home Screen. If selected this creates a direct link on the Home Screen to start OX App Suite in full screen mode.

1.2.2. Online Help

Online help is available on all supported devices.

1.2.3. Non available Functions

Functions that are not supported by a particular device will not be displayed. As devices mature these functions will become available.

1.2.4. Responsive Interface

Many interface features that work on larger screens do not work on smaller screens. Using responsive design this is resolved by tailoring the screen to the device. For example, screens are adjusted to use all the space available, and the button alignment is optimized.

An overview of supported devices can be found at:

http://oxpedia.org/wiki/index.php?title=AppSuite:OX_System_Requirements



2. OX App Suite Keyboard Shortcuts

OX App Suite provides keyboard shortcuts. This is particularly important for users with disabilities. The following are available from OX App Suite 7.4.0.

2.1. General navigation

The following keyboard shortcuts are available:

Function	Windows / Linux	Mac OS (if different)
Move to next accessible element, e.g. links	Tab	
Move to previous accessible element	Shift-Tab	
Trigger element action (same as mouse click)	Enter	
Move selection in lists and hierarchies, e.g. folder tree	Cursor Up/Down	
Move to top/bottom item in lists	-	Cmd+Cursor Up/Down
Open/close folder in folder tree view	Cursor right/left	
Close popup dialogs	Escape	
Move to next important component, e.g. top bar, folder tree, item lists	Ctrl-F6	F6
Move to previous important component	Shift-Ctrl-F6	Shift-F6

2.2. OX Documents

The following keyboard shortcuts apply to OX Documents:

Function	Windows / Linux	Mac OS (if different)
Collapse or expand the side pane	Ctrl + F3	Cmd + F3
Move focus between tool bars and document content	Ctrl + F6	F6
Move focus between tool bars and document content (backwards)	Shift + Ctrl + F6	Shift + F6
Move focus among tool bar items	Tab	
Move focus among tool bar items (backwards)	Shift + Tab	
Execute the currently selected button	Enter	
Execute the currently selected button (without moving the focus)	Space	
Execute the currently selected entry in a dropdown menu (moving the focus to the next ribbon control)	Tab	
Execute the currently selected entry in a dropdown menu (moving the focus to the previous ribbon control)	Shift + Tab	
Move between dropdown menu entries	Cursor keys	
Close dropdown menu	Esc	
Print	Ctrl + P	Cmd + P

2.3. OX Document Viewer

Function	Windows / Linux	Mac OS (if different)
-----------------	------------------------	------------------------------

Scroll up	Arrow Up	
Scroll up fast	Page Up	
Scroll down	Arrow Down	
Scroll down fast	Page Down	
Jump to top of first page	Home	Fn + Arrow Left
Jump to top of previous page	Alt + Page Up	Cmd + Page Up
Jump to top of next page	Alt + Page Down	Cmd + Page Down
Jump to bottom of last page	End	Fn + Arrow Left
Zoom in	+ (also on numeric pad)	
Zoom out	- (also on numeric pad)	

2.4. OX Documents Editors

Function	Windows / Linux	Mac OS (if different)
Focus the document	ESC	
Undo the last action	Ctrl + Z, Alt + Backspace	Cmd + Z, Alt + Backspace
Redo the last action	Ctrl + Y, Shift + Alt + Backspace	Cmd + Y, Shift + Alt + Backspace
Copy selected text or object	Ctrl + C, Ctrl + Insert	Cmd + C
Cut selected text or object	Ctrl + X, Shift + Delete	Cmd + X, Shift + Delete
Paste selected text or object	Ctrl + V, Shift + Insert	Cmd + V

2.5. OX Text

2.5.1. Navigation

Function	Windows / Linux	Mac OS (if different)
Jump one character to the	Arrow Left/Right	

left/right		
Jump one word to the left/right	Ctrl + Arrow Left/Right	
Jump to the beginning of a line	Home	Cmd + Arrow Left
Jump to the end of a line	End	✘
Jump one line up/down	Arrow Up/Down	
Jump to beginning/end of document	Ctrl + Home/End	Cmd + Arrow Up/Down
Jump to next table cell	Tab	
Jump to previous table cell	Shift + Tab	

2.5.2. Text Selection

Function	Windows / Linux	Mac OS (if different)
Extend selection one character to the left/right	Shift + Arrow Left/Right	
Extend selection to the beginning of a line	Shift + Home	Shift + Cmd + Arrow Left
Extend selection to the end of a line	Shift + End	✘
Extend selection one line up/down	Shift + Arrow Up/Down	
Extend selection to beginning/end of document	Shift + Ctrl + Home/End	Shift + Cmd + Arrow Up/Down
Extend selection to entire document	Ctrl + A	Cmd + A
Extend selection one character to the left/right	Shift + Arrow Left/Right	

2.5.3. Search and Replace

Function	Windows / Linux	Mac OS (if different)
Open Search and Replace pane	Ctrl + F	Cmd + F
Close Search and Replace pane	Esc	
Select next search result	Ctrl + G	Cmd + G
Select previous search result	Ctrl+ Shift + G	Shift + Cmd + G

2.5.4. Edit Document

Function	Windows / Linux	Mac OS (if different)
Insert paragraph break	Enter	
Insert line break without breaking paragraph	Shift + Enter	

2.5.5. Format Text

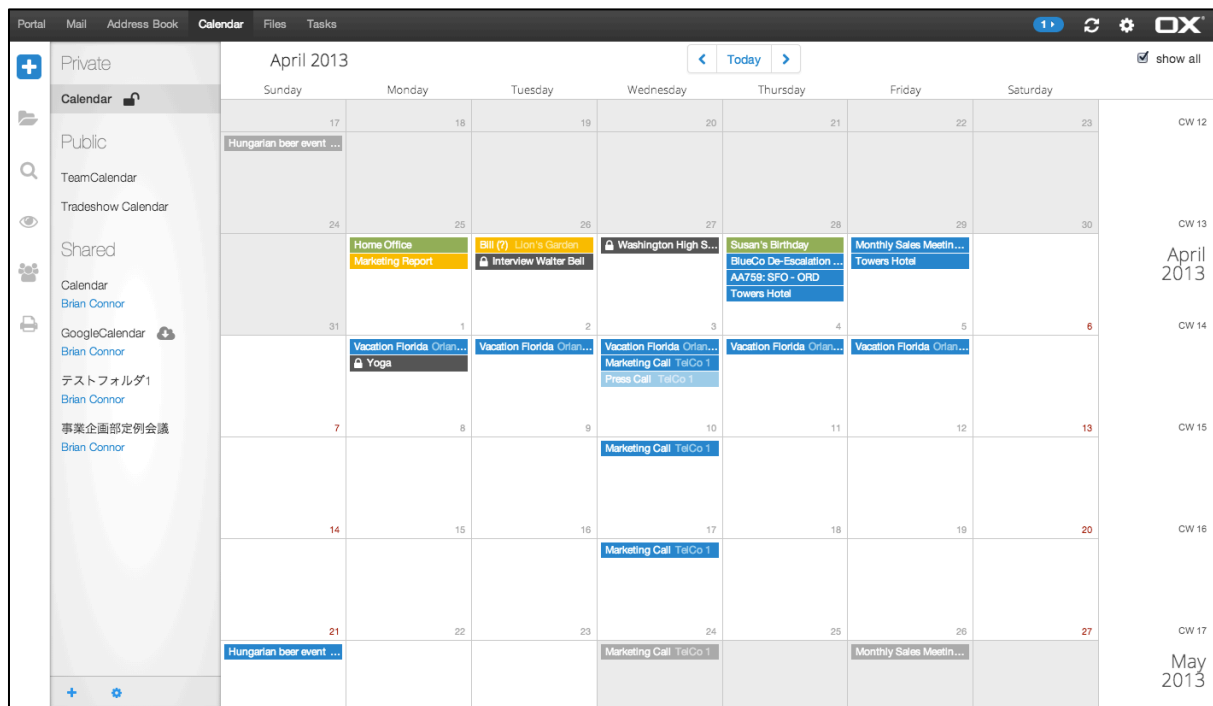
Function	Windows / Linux	Mac OS (if different)
Apply/remove bold	Ctrl + B	Cmd + B
Apply/remove italic	Ctrl + I	Cmd + I
Apply/remove underline	Ctrl + U	Cmd + U
Remove all manual styles	Ctrl + Space	

3. General Improvements to the Web Frontend

3.1. Web Frontend Improvements

OX App Suite 7.4 contains a number of design updates. These include:

- Toolbar color changed from black to white and toolbar icons updated
- Border color changed to white to provide better visibility
- Distribution list members now have images
- Primary action highlighted in window toolbar
- Folder lists display improved
- Inline links displayed with a lighter font
- Plus a number of additional UI enhancements



3.2. "Publication" is now labeled "Share this Folder"

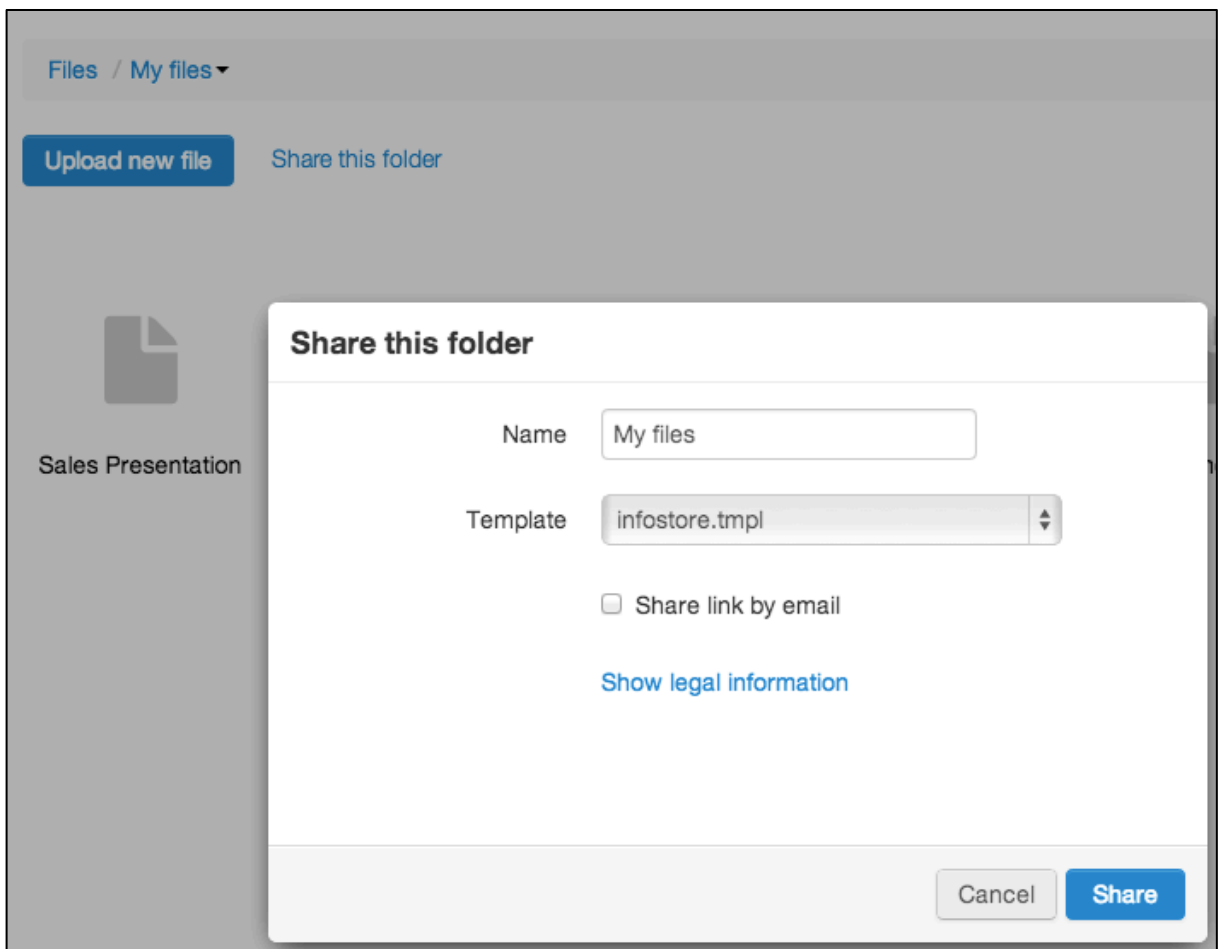
"Publication" has been re-named to "Share this Folder".

3.3. “Share this Folder”

OX Files now has “Share this folder” directly provided at the top of the screen.

3.4. Pre-filled Shared Folder Name

By sharing a folder, the configuration pop-up is now pre-filled with the name of the chosen folder. The user still has the option to change the name for the publication.



3.5. Use of Cipher Code is default

OX App Suite 7.4.0 has changed the implementation of the use of cipher codes in publications. The cipher code is now active by default.

3.6. Redesigned of Online Help

The online help has been redesigned to improve usability. Menus have been redesigned to be more readable. For example the new "Start page". See example below.

[Open-Xchange](#) [Prev](#) [Start Page](#) [Table Of Contents](#) [Next](#)

OX App Suite

User Guide

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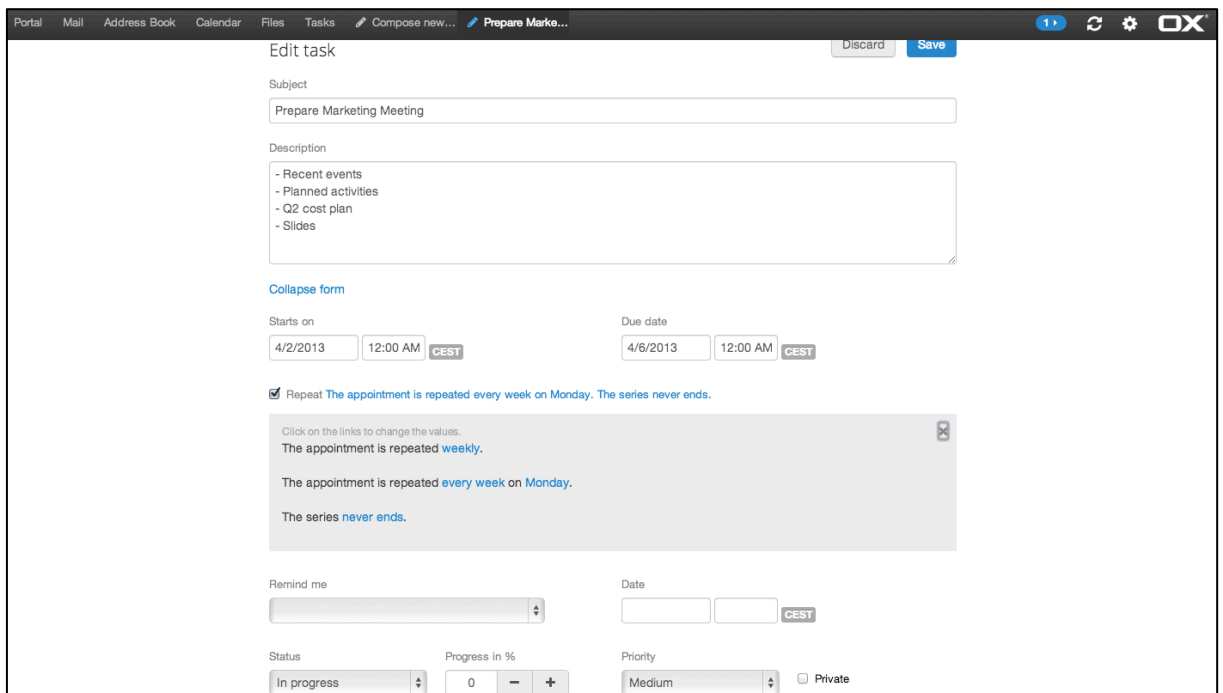
[Legal Notice](#)
Thursday, 22. August 2013 Version 7.4.0

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3.7. Recurring Tasks

OX App Suite 7.4.0 provides the ability to create recurring tasks with the following options:

- The appointment is repeated weekly, daily, monthly and yearly
- The appointment is repeated x weeks on Monday to Sunday
- The series never ends, ends on specific date or ends after a certain number of appointments



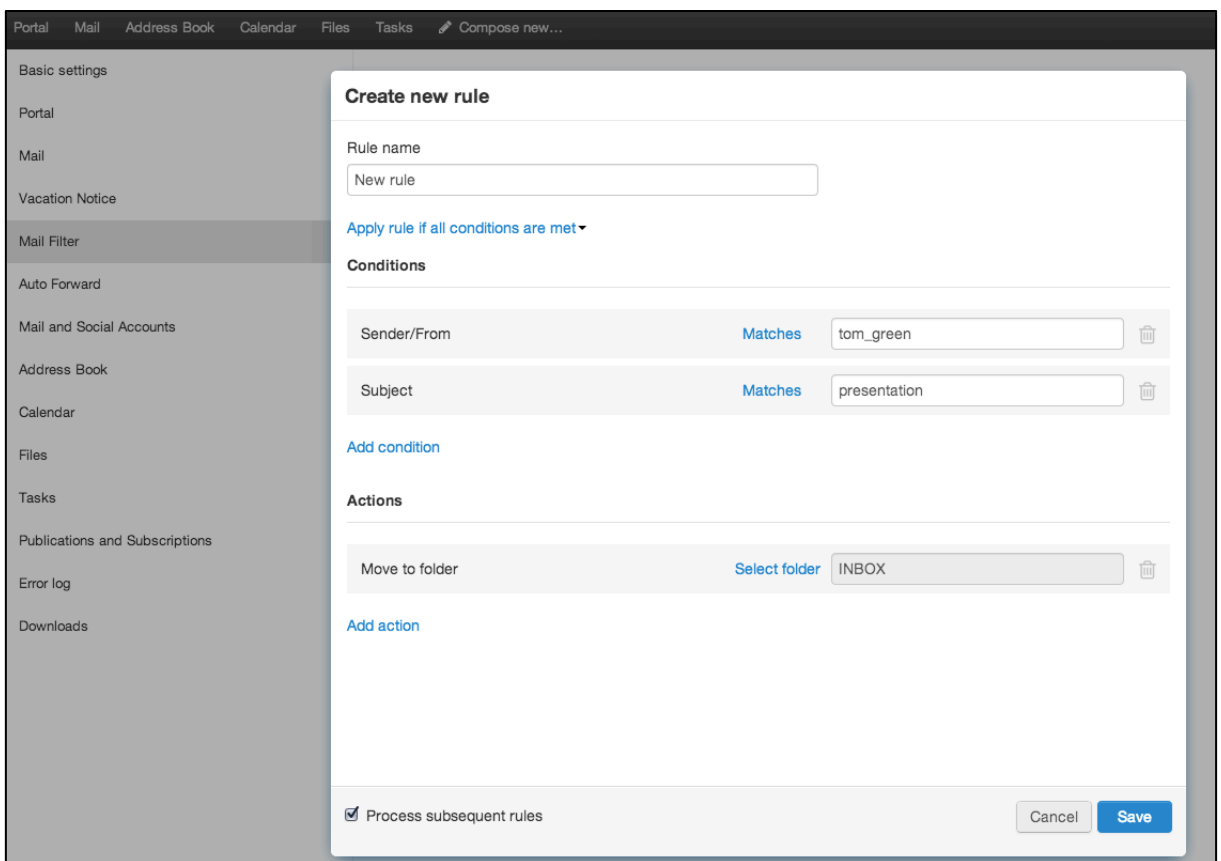
The screenshot shows the 'Edit task' interface in the OX App Suite. The task is titled 'Prepare Marketing Meeting'. The description includes: '- Recent events', '- Planned activities', '- Q2 cost plan', and '- Slides'. The task is set to start on 4/2/2013 at 12:00 AM CEST and due on 4/6/2013 at 12:00 AM CEST. The 'Repeat' checkbox is checked, and the recurrence is set to 'every week on Monday'. A summary box shows: 'The appointment is repeated weekly.', 'The appointment is repeated every week on Monday.', and 'The series never ends.' The status is 'In progress', progress is 0%, and priority is 'Medium'. There are 'Discard' and 'Save' buttons at the top right.

3.8. Mail Filter Rules

E-Mail filters help you organize incoming email messages. For example, you can set up email filters to trigger the following actions when receiving an email:

- The email is moved to a specific email folder.
- The E-Mail is forwarded to another email address.
- The email is marked as read.
- And many more.

A new rule must contain a name; one or more conditions and one or more actions. The user can specify whether one or all the conditions are met in order to process the actions. Users can find further information about the different conditions types in the OX App Suite User Guide.



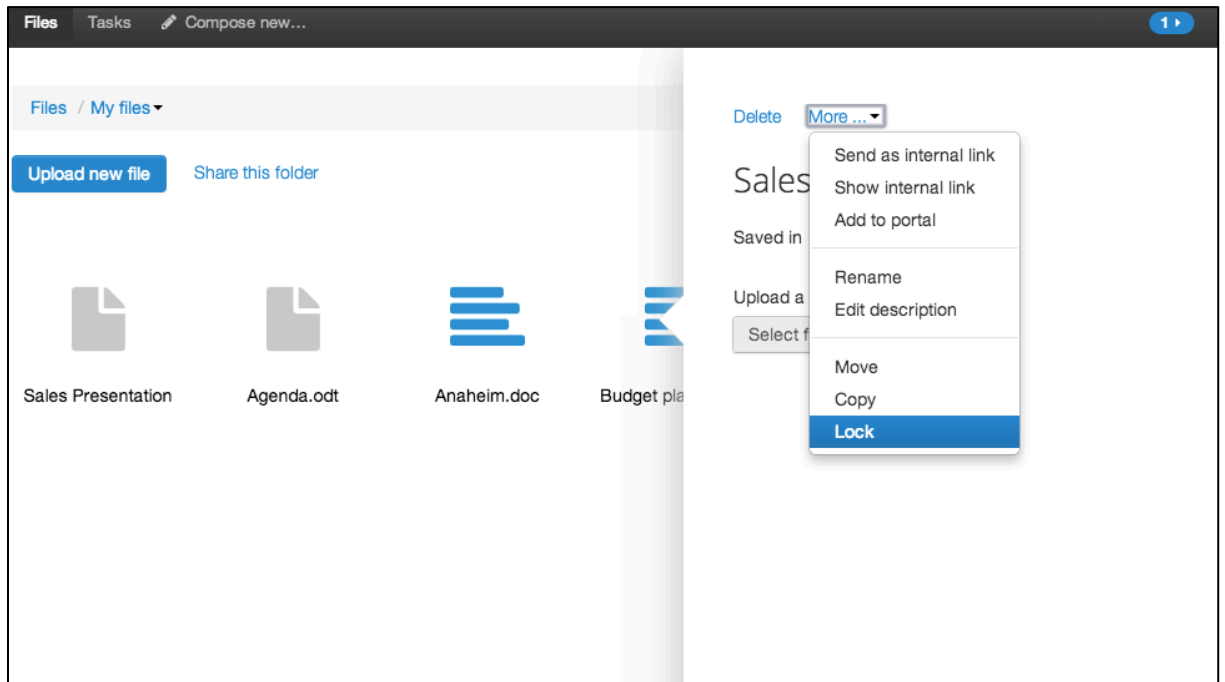
The screenshot shows the 'Create new rule' dialog box within the OX App Suite interface. The dialog is titled 'Create new rule' and is set against a background of the application's settings menu, which includes options like 'Basic settings', 'Portal', 'Mail', 'Vacation Notice', 'Mail Filter', 'Auto Forward', 'Mail and Social Accounts', 'Address Book', 'Calendar', 'Files', 'Tasks', 'Publications and Subscriptions', 'Error log', and 'Downloads'. The 'Mail Filter' option is currently selected.

Inside the 'Create new rule' dialog, the following fields and options are visible:

- Rule name:** A text input field containing 'New rule'.
- Apply rule if all conditions are met:** A dropdown menu currently set to 'Apply rule if all conditions are met'.
- Conditions:** A section containing two conditions:
 - Sender/From:** A dropdown menu set to 'Matches' with a text input field containing 'tom_green' and a trash icon to its right.
 - Subject:** A dropdown menu set to 'Matches' with a text input field containing 'presentation' and a trash icon to its right.
- Add condition:** A blue link to add more conditions.
- Actions:** A section containing one action:
 - Move to folder:** A dropdown menu set to 'Select folder' with a text input field containing 'INBOX' and a trash icon to its right.
- Add action:** A blue link to add more actions.
- Process subsequent rules:** A checkbox that is checked, with the label 'Process subsequent rules'.
- Buttons:** 'Cancel' and 'Save' buttons at the bottom right.

3.9. Files Lock/Unlock

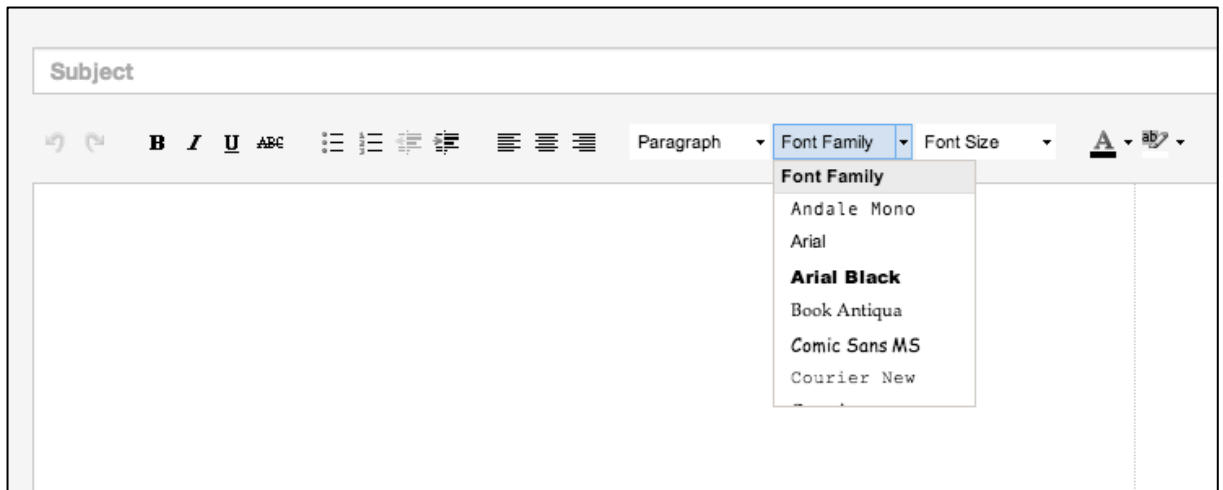
OX App Suite 7.4.0 provides a new Lock/Unlock feature in OX Files. It is now possible to lock and unlock files. This protects the file and ensures that others cannot override the current version. This new function can be found under the “more” option.



3.10. Font Size, Text Color and Text Type

OX App Suite 7.4.0 now enables the following settings in the email editor:

- The ability to set the font size
 - o The font size feature is provided via a dropdown selection of font sizes ranging from 8pt to 36pt.
- The ability to set the font color
 - o The text color feature is provided via a dropdown selection of 40 predefined colors.
- The ability to set the font type
 - o The text type feature is provided via a dropdown selection of a set of predefined font types.



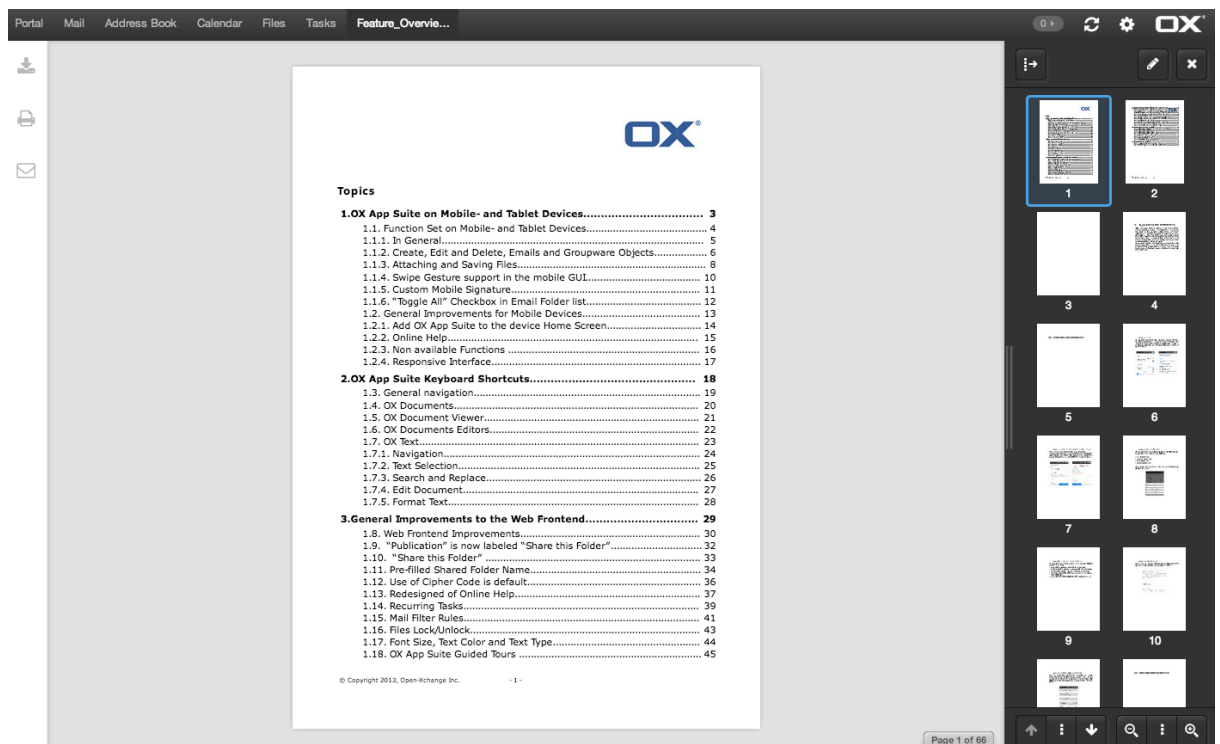
3.11. OX App Suite Guided Tours

OX App Suite 7.4.0 now provides guided tours. The Guided Tours can be found under the settings (cog) icon and are a simple and quick way to get people started with OX App Suite. Users can choose between different tours. Please Note: The tours must be installed and activated.

4. OX Text and OX Document Viewer Improvements

4.1. Thumbnail Preview

OX Document Viewer offers a thumbnail view to all document pages. This thumbnail view can also be used for navigating through the document.



4.2. Go to page

For an improved navigation in documents it's now possible not only to jump to the first and last page of a document but also to type in a page number for jumping directly to this page. This feature is provided via a dropdown in the side pane.

4.3. Improved Zoom

OX Document Viewer offers more zoom options. A user can select between five predefined zoom levels, fit to screen width or display the whole page ("fit to screen size"). This feature is provided via a dropdown selection in the side pane.



4.4. Initial zoom fits to screen

OX Document Viewer now uses "fit to screen size" as the default zoom when opening a document. This allows better readability of documents on small devices.

4.5. Document options

Documents can now be printed, downloaded, send via email or edited (for text documents only) from within OX Document Viewer.

4.6. Endless scrolling

Instead of switching from one page to the next, OX Document Viewer now allows scrolling through the document pages.

4.7. PDF thumbnails in high quality

PDF thumbnails are now displayed in high quality.



5. Administration, Technical Extensions, Plug-In's, etc.

5.1. Support for Debian GNU/Linux 7 (Wheezy) and Java 7

Starting with this release, Open-Xchange Server will support Debian GNU/Linux 7 (Wheezy).

In addition Open-Xchange supports the following platforms using Java 6 and Java 7:

- Debian 6: SUN Java 6, OpenJDK 6 and Oracle Java 7
- Debian 7: OpenJDK 7 and Oracle Java 7
- Red Hat Enterprise Linux 6 (RHEL6): OpenJDK 6 or Oracle Java 7
- SUSE Linux Enterprise Server (SLES 11): IBM Java 7

An overview of the current supported platforms is available at:

http://oxpedia.org/wiki/index.php?title=AppSuite:OX_System_Requirements#Server_Platforms

Download & Installation Guide for Debian 7 (Wheezy) is available at:

http://oxpedia.org/wiki/index.php?title=AppSuite:Open-Xchange_Installation_Guide_for_Debian_7.0

5.2. MySQL Galera as Database Backend for Open-Xchange

Starting with this release, OX App Suite can be operated using Galera Percona XtraDB Cluster as an additional option to the MySQL Master/Slave setup as the database backend.

Approval testing was based on the following version of the Percona XtraDB Galera Cluster.

Database Version:

Server version: 5.5.30 or higher Percona XtraDB Cluster (GPL), wsrep_23.7.5.r3880



The following Galera Setup is supported:

- Minimum 3-Node Database Cluster
- Within OX App Suite one of the Database nodes is configured as write connection (Multi-Master not supported yet)
- A load balancer is needed to distribute the read requests among all Database nodes, configured as read connection in Open-Xchange
- Failover handling has to be set up to cover "Master" Database outages, using one of the remaining servers as the new Master Server
- The internal Replication Monitor is "false" inside OX App Suite: `com.openexchange.database.replicationMonitor=true`
- The Galera configuration option `wsrep_causal_reads=on` is required to enforce strict cluster-wide committed reads
- Requires Open-Xchange Backend 7.4 or higher

We recommend getting designated support for the Galera Cluster from a Galera/MySQL vendor.

5.3. Subscription Auto-Refresh is Configurable by Administrators

For administrators, this new version provides the ability to configure the subscription module to run the sync automatically on login if a certain time interval between the last refresh run has elapsed (defaults to 1 day). To enable that behavior, flip the switch "com.openexchange.subscribe.autorun" to true in `subscribe.properties`. Subscriptions will then run once daily. In parallel to the enabling properties for individual subscriptions, that always take the form:

```
[id]=true
```

we're also introducing options for controlling the interval for individual subscription sources, in the form of:

```
[id].autorunInterval=1d
```

If the `autorunInterval` is set to -1, these subscriptions will never be run automatically. Further information about the new setting can be found at the administration guide.



5.4. Authentication and Authorization Info to other Systems

In order to make other administrative customer sites accessible in OX App Suite a new login mechanism has been implemented. In the settings pages new entries will appear in an iframe and pass authentication information about the currently logged in user to the embedded site. The related HTTP API Documentation is available at:

[http://oxpedia.org/wiki/index.php?title=AppSuite:HTTP_API#Module .22token.22 .28since 7.4.0.29](http://oxpedia.org/wiki/index.php?title=AppSuite:HTTP_API#Module_.22token.22_.28since_7.4.0.29)

[http://oxpedia.org/wiki/index.php?title=AppSuite:HTTP_API#Redeem Token .28since 7.4.0.29](http://oxpedia.org/wiki/index.php?title=AppSuite:HTTP_API#Redeem_Token_.28since_7.4.0.29)

5.5. Support of Jolokia Bridge

Jolokia is an adapter that bridges access to JMX beans to HTTP access. Open-Xchange provides with OX App Suite v7.4 the possibility to use the Jolokia Bridge to implement monitoring in other languages than Java. Further information under:

<http://oxpedia.org/wiki/index.php?title=Jolokia>

5.6. Customer Setup Pages in App Suite User Configuration

With the new version, the administrator can use a new extension point to provide their own setup pages directly in the user configuration area. Technical descriptions are available at:

http://oxpedia.org/wiki/index.php?title=AppSuite:Embedding_your_settings_into_AppSuite_settings

5.7. Configuration for Assign Colors to OX Portal Tiles

Customers with their own themes want to have the portal widgets in their theme colors, instead of the standard colors. With OX App Suite 7.4.0 a new configuration switch is implemented to make this possible.



5.8. Configuring the OX Portal

When running OX App Suite you may want to specify a starting configuration for which tiles the portal shows and whether certain tiles are mandatory or not. This is especially useful when you are introducing your own tile implementations. To make this possible, the portal consists of three types of tiles: User tiles, eager tiles and protected tiles. User tiles are tiles that the user added to the portal page, eager tiles are those suggested by the installation that can be removed, and protected tiles are set by the backend.

Further information about the configuration can be found at:

http://oxpedia.org/wiki/index.php?title=AppSuite:Configuring_portal_plugins#Configuring_the_portal

5.9. LinkedIn based functionality also with a regular key

To use LinkedIn functionality with a regular key, OX App Suite 7.4.0 provides a property in halo-linkedin.properties "com.openexchange.halo.linkedin.enabledMailCapableKey" to mark a key as a golden key set to true. When false the system now uses a fallback mechanism for the Halo (searches only in your connections, not globally anymore) and the OX Portal shows users profile along with recent network activities.

5.10. Sync-Limitations for all Objects

Currently it's possible to define limits on the amount of mails synced in Exchange Active Sync but there's no way to limit the number of appointments or contacts or tasks to be synced. A new limitation is now available and it is possible to limit these objects as well by server-side configuration. There is a new global "USM" property. If a folder contains more objects than specified in the limit, only the newest changed ones are synchronized. This limit is always applied, regardless of the setting requested by the client, to allow server administrators to impose a hard limit on the synchronized objects.

5.11. Auto-Configuration for outlook.com (IMAP)

OX App Suite 7.4.0 provides an additional configuration option enabling the auto-configuration of IMAP based outlook.com mail addresses. OX App Suite users may add their private outlook.com mailing address for automatic provisioning of all configuration settings.

This function is available in the mail module, under "Add mail account". If the user enters the mail address plus the password, all necessary configuration will be done automatically.



6. Connector for Business Mobility

6.1. Official Support of Exchange Active Sync Protocol 12.1

The new Connector for Business Mobility supports the Exchange Active Sync Protocol 12.1. In addition to the new protocol the current supported EAS 2.5 will also be supported with the new version.

6.2. Official Support of iOS 7

The new Connector for Business Mobility supports iOS 7.

6.3. Official Support of Android 2 and 4

The new Connector for Business Mobility supports Android 2 and 4.

6.4. Official Support for Windows Mobile 7

The new Connector for Business Mobility supports Windows Mobile 7.

6.5. Keyword mailbox search

With the new version of the Connector for Business Mobility, a user can start a search for keywords in their mailbox on their mobile device. The user can choose a mailbox to search (click in the folders list) and type a text to search. The search results are shown in a list.

6.6. Appointment Attendee Status

In the calendar on the mobile device, the different confirmation statuses of the appointment attendees will be synchronized and displayed. This means the user has an overview of which participant has accepted, declined or tentatively accepted status on the appointment.

6.7. Support of HTML Email

Connector for Business Mobility supports the display of HTML Emails on mobile devices. This means the user will see the received email in the same style as on the desktop.



6.8. Out-of-Office Support on Mobile Devices

It is now possible to set a vacation notice in the user setting area the Exchange Active Sync (EAS) configuration. Please Note: There are several restrictions imposed by the OX Server Mail API: There is no ability to activate a future Out-of-Office message. The start time set by the client will be ignored and the message will be activated "now". Although EAS has the ability to set a different response for different types of senders: internal, external known and external unknown, this is not possible in OX App Suite. The message will simply be activated for all sender types. The Out-of-Office message when activated via EAS is activated only for the users default mail address.



7. Connector for MS Outlook

7.1. Participants for Private Appointments

The new Connector for MS Outlook, released with OX App Suite 7.4.0, provides improved calendar synchronization. This includes the ability for users to create private appointments. Each of the participants can still edit and delete the newly created appointment. Please note: On iOS devices this is not possible.

7.2. Individual Messages to Appointment Organizers

The new Connector for MS Outlook supports the ability to send messages to the organizer of the appointment in addition to accepting/declining the appointment. The content from this mail will be extracted and sent from the mail objects in plain text only. OLE objects will not be supported and still dismissed."