



Release Notes OX App Suite v7.4.0

(2013-09-26)

1. Packages shipped with this Release

- Open-Xchange App Suite
 - Version 7.4.0-Rev 11 (built 2013-09-24/25)
- Open-Xchange 6 GUI
 - Version 6.22.4-Rev 11 (built 2013-09-24)
- OXtender 2 for Microsoft Outlook
 - Version 7.2.0
- Open-Xchange Notifier
 - Version 1.0.4
- Open-Xchange Client Updater
 - Version 6.18.21

2. Additional Information

All changes and bug-fixes listed in this release notes have been done subsequent to 7.2.2-Rev 15/20 (App Suite Frontend/Backend) and 6.22.3-Rev 4 (OX6).

Open-Xchange encourages administrators to regularly update to the latest available release. An overview of the latest supported Major- Minor and Public Patch Releases can be found in the Knowledgebase at

http://oxpedia.org/wiki/index.php?title=AppSuite:Version_Support_Committment. In order to ensure a stable and up to date environment please note the different supported versions.

Debian 7 (Wheezy) was released by the Debian project on May 4th 2013. Both OX App Suite and Open-Xchange Server 6 support Debian 7 with OpenJDK 7 and MySQL 5.5 with this release of OX App Suite. Please note that the combination Debian 7 / OpenJDK 6 or Sun Java 6 will not be supported as a platform by Open-Xchange. OX App Suite v7.4.0 supports Debian 6 (SUN Java 6, OpenJDK 6 and Oracle Java 7), Red Hat Enterprise Linux 6 (OpenJDK 6 or Oracle Java 7), SUSE Linux Enterprise Server (IBM Java 7) and Univenton Corporate Server 3.1.

Open-Xchange would also like to provide you with early notification of an upcoming name change for one of our modules, OX Files. As part of our product strategy we are currently developing clients for different desktop- and mobile devices to improve the synchronization for database objects between OX App Suite and the desktops. As a consequence of this it makes sense to re-name OX Files to OX Drive. This is planned for End of the year 2013. Further information will be provided in the coming weeks.

Open-Xchange will discontinue Support for AJP based communication between the HTTP server and the OX backend server with the next major release of OX App Suite v7.6.0, planned for April 2014. Open-Xchange already provides a new HTTP connector, which is based on the Grizzly project. Download and configuration instructions are available at <http://oxpedia.org/wiki/index.php?title=AppSuite:Grizzly>. Starting with the release in April 2014, the current AJP based communication will no longer be supported. We encourage administrators to update to the latest Grizzly implementation.

Open-Xchange will discontinue OX App Suite web frontend support for Internet Explorer 9 with the major release of OX App Suite v7.6.0, planned for April 2014. Starting with this release Open-Xchange will officially support Internet Explorer 11. In addition to this OX App Suite is optimized for Microsoft Internet Explorer 10, Mozilla Firefox (latest version), Google Chrome (latest version) and Apple Safari (latest version, Mac OS X only).

Open-Xchange will discontinue OX App Suite support for Mac OS X 10.6 (Snow Leopard) and Mac OS X 10.7 (Lion) with the major release of OX App Suite v7.6.0, planned for April 2014. Starting with this release Open-Xchange will officially support Mac OS X 10.9 (Mavericks) for the Open-Xchange Calendar and Contact synchronization via CalDAV and CardDAV. Additionally OX App Suite will support Mac OS X 10.8 (Mountain Lion).

Open-Xchange will discontinue support for the currently available "showruntimestats" monitoring function (which fetches runtime information from the Java virtual machine and about the Open-Xchange Groupware backend) in September 2014. With OX App Suite v7.4.0, there is a new monitoring function using Jolokia for Open-Xchange. From v7.4.0 onwards, this is located inside the Open-Xchange Bundle and configured by `jolokia.properties`. Further information can be found at <http://oxpedia.org/wiki/index.php?title=Jolokia>

3. Bugs Fixed with this Release

Open-Xchange App Suite

Back-End:

- 18841 Formattings of InfoStore comments are dropped when published
Fixed formatting of comments (again).
- 20993 changeaccessglobal does not take access combination name as argument
Added support for 'access-combination-name' option.
- 21906 printview does not indicate canceled appointments
Declined appointments don't show up in printed calendar.
- 23141 files in /var/spool/open-xchange/uploads/ are not deleted when groupware is stopped
Orderly shutdown Open-Xchange via OSGI and during startup of backend the directory for temporary files will be cleaned.
- 23491 movecontextdatabase fails when moving pop3 accounts
Removed FOREIGN KEY specifications from initial CREATE TABLE statements, too.
- 23537 Calendar reminders disappearing from appointments
Some enhancements to the reminder logic where made.
- 24534 csv distribution list import not possible
Added import/export of distribution lists members in csv-file. The association of distribution list members to an existing contact is not kept during export, i.e. such distribution list members get transformed to "independent" entries only holding the e-mail address and display name.
- 24884 deleting an exception of a full day appointment series deletes the whole series from all views except month view
A new empty object was created and value for recurrenceCalculator was not set (based on the existing object). Add recurrenceCalculator based on existing object.
- 25232 Obviously too much traffic generated by JmDNS service discovery
Replaced the JmDNS cluster discovery by Hazelcasts built-in multicast discovery.
- 25729 hcard export opens browser window rather than downloading
Hcard export has been removed.
- 26023 accessing an external Mail-Account with a self signed certificate using SSL -> Server chose unsupported or disabled protocol: SSLv3
Specify supported SSL protocols on secure connect attempt.
- 26033 External participants get wrong dynamical loaded 'This email contains a task' within appointment emails
Fixed in the meantime.
- 26109 New description is not correct if series of appointments' subject has changed
Fixed bad exception detection on iTip handling.

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- 26257 Severe error is coming when click on delete button multiple times in the delete appointment mail
Fixed handling for already deleted exceptions within invitation mails.
 - 26547 SQL action takes longer than 30 seconds
Fixed with fix for bug #28089.
 - 26566 Missing cookie: open-xchange-public-session for /ajax/files action=document
Properly validate public session cookie and restore if invalid during auto-login attempt.
 - 26639 No contact image shown when editing own user data at portal page
Introduced image data source for user contacts.
 - 26783 ERROR com.openexchange.log.internal.LoggerTask,call LoggerTask run failed followed by NPE
Fixed with fix for bug #27863.
 - 26789 NPE while ERROR "Parsing of HTML content failed: null. Affected HTML content: ..." includes the whole HTML content
Fixed possible NPE in kXML library.
 - 26803 New Java VM option prevents open-xchange process to start
The post installation script does not check for other GC options and just adds the CMS GC options. This is a problem if a different GC is already configured. The JVM refuses to start if duplicate or conflicting GC options are configured. Just check for other GC options before adding the CMS GC options.
 - 26835 Long running GCs at customer system
Fixed in the meantime.
 - 26869 portal - rss feed cannot be added
Added missing imports to RSS messaging bundle to instantiate a XML parser instance.
 - 26954 A message "A Server Error occurred" displayed, on clicking "Delete" button twice on canceled Appointment notification mail
Fixed handling for already deleted exceptions within invitation mails.
 - 27009 Default folder mappings for external IMAP accounts get lost
Removed auto-correct attempt for special folders on read-only access operations.
 - 27176 groupware server crashes after high load
Don't query user service unless needed, don't evaluate global address book permissions repeatedly.
 - 27210 User cannot be deleted from context
Avoid event handling from interrupting user deletion.
 - 27284 Cannot send or receive email - "Severe error occurred"
Allow to specify primary account's default folders per full name if they indicate not to reside below Inbox.

- 27300 Moving a contact which is a member of more than one DL to another folder causes duplicate members in DL
When updating distribution list members that are referencing a contact that was moved to another folder, this update was not reflected correctly in the distribution list due to missing information about the previous parent folder. The contact service now passes the original contact as well as the updated contact down to the storages so that the original parent folder can be identified correctly.
- 27309 iCal: Changing frequency of series not possible
The 'days' property is explicitly removed if not present in the updated appointment's recurrence rule as sent by the iCal client, so that the update passes the internal sanity checks.
- 27385 getaccesscombinationnameforuser does always return null
Fixed in the meantime.
- 27417 wsdl links not working for webservice
Added 'soap-cxf.properties' file to SOAP CXF bundle that provides option "com.openexchange.soap.cxf.baseAddress" to specify a custom base address if it is supposed to differ from default one.
- 27428 unencrypted, wrong callback for linkedin and facebook oauth
Consider deferrer service when generating an OAuth call-back URL
- 27438 showruntimestat -j shows java.lang.IllegalStateException
The JSON statistics have been removed with v7.2.2, while the "showruntimestats" utility still tried to access the previous MBean when outputting the "-j" / "-jsonStats" results. Those were included with the "-a" commandline option, too. The "-j" / "-jsonStats" option is removed from the "showruntimestats" utility, and implicitly from the "-a" option, too.
- 27468 UI receives an error with exceptionID but which isn't logged in backend
Force logging exception to log file even though of category "USER_INPUT".
- 27472 Rate limit hit by one user disables USM/EAS access for all users
Updated comments in configuration file.
- 27476 ICS file is not imported completely
Implicitly add internal user in change exceptions if missing from imported iCal.
- 27477 Missing Japanese translation
Refactored IMAP exception class to let its error message reside in a dedicated translatable class file.
- 27498 mail not correctly displayed when using unified inbox
Implemented missing method in Open-Xchange.
- 27539 Wrong message header: Expected ';', got "name"
Try to sanitize Content-Type values that cannot be parsed by JavaMail library.
- 27548 User creation fails when switching from ajp to grizzly in poa setup under certain circumstances
Let php_curl send correct header,
- 27584 OX does not honor the ALLDAY event flag correctly on appointments from external Handle Exchange all-day flag: X-MICROSOFT-CDO-ALLDAYEVENT.

- 27591 OX does not honor the ALLDAY event flag correctly for appointments created in OX Handle Exchange all-day flag: X-MICROSOFT-CDO-ALLDAYEVENT.
- 27604 Many "APR does not understand this error code" messages in the log
Preparation to fix this bug: Mark AJP processor state as "in-progress" right before invoking Servlet.service() method.
- 27626 MSN OAuth / API Issue
Handle possibly absent secret token by checking for being not null.
- 27639 ACE string could not be parsed from IDN string: Error messages
Strip possible trailing non-LDH characters from address string prior to IDN to ACE conversion.
- 27640 Via Outlook Oxtender send emails may contain additional whitespaces in subject
Ignore delimiting white-space between mail-safe encoded words.
- 27641 'Illegal or unsupported encoding: "". Using auto-detected encoding' WARN messages in Groupware log
Lowered log level to DEBUG/FINE for charset auto-detection.
- 27647 Some pictures in emails cannot be downloaded and are not displayed
Don't consider HTML content containing tags as empty content.
- 27663 contact search in "Phone list" view end up with Invalid SQL query.'
Always include ORDER BY columns in SELECT clause when using UNION SELECTs.
- 27741 Unable to use a mail folder id in the blacklist properties
Fixed parsing.
- 27762 Many 'An I/O error occurred: null' errors after update
Fixed FolderCloseException handling.
- 27767 Standard folder names sometimes not translated
Refactored to use "ignoreTranslation" flag in JSON layer only to not affect folder caches.
- 27849 Error message for mail folders with slash
Improved error message in case of a "BAD" response from IMAP server on mailbox creation attempt. Moreover added an option to specify characters that are not allowed to be contained in a mailbox name. File 'imap.properties' is therefore enhanced by property "com.openexchange.imap.invalidMailboxNameCharacters" that provides a white-space-separated list of such characters surrounded by quotes (default is empty); e.g. com.openexchange.imap.invalidMailboxNameCharacters="; / . | \\"
- 27863 NPE at getImageAttachmentLong() "SVL-0011 Categories=ERROR
Message='Unexpected error: null'"
Added null guard while composing mail debug information.
- 27864 NPE at com.openexchange.ajax.Mail.actionPutMailMultiple
Deal with possible null elements in passed message array on APPEND operation.
- 27865 NPE at com.openexchange.mail.json.actions.NewAction.performWithoutUploads
Require request body and throw appropriate exception if absent.
- 27867 NPE related to 'openexchange.mail.MailFields.add()'
Class 'com.openexchange.mail.MailFields' has been made null-safe.

- 27868 NPE at
com.openexchange.pop3.storage.mailaccount.MailAccountPOP3MessageStorage.setFolderAndAccount
Added needed null guard to avoid possible null dereference.
- 27872 save probably broken images which triggers Bug #26778 for further analyses
Those images that cannot be successfully parsed by Java ImageIO library are stored to standard upload directory according to naming:
"brokenimage" + <unique-id> + <extension>.
- 27891 ConstraintViolation about login being null
Perform field validation on update attempt.
- 27892 Error shown when global address book has been disabled
Declared capability that indicates if global address book is enabled for logged-in user.
- 27901 tons of NPEs at ContactServiceImpl.doGetUsers followed by
com.openexchange.usm.api.exceptions.OXCommunicationException
Check for null before accessing a supplied parameter.
- 27903 Unable to forward a mail if the recipient is a phone number (MSISDN)
Lenient parsing of mail addresses.
- 27914 Newly created external IMAP folders not displayed
Interpret "Inbox/" full name prefix as "INBOX/".
- 27957 Exception when enabling MSISDN support and disabling the GAB
Retrieve user by user identifier, not by its contact identifier.
- 28026 UWA plugin with relative URI path does not work anymore after update to 6.22.3
Implemented a lenient check, allowing relative URL paths specified as a UWA widget's source URL.
- 28049 MSN o-auth account is not set up possible
Handle possibly absent secret token by checking for being not null.
- 28059 appointments from external in shared calendar can not be deleted by 3rd person (Sekretärinnenfunktion)
Remove Appointments in shared folder if organizer is external.
- 28076 OX restorecontext fails
Fixed documentation on how to create the mysqldump.
- 28087 Unified Mail Error: Referenced
mail %64%65%66%61ult0%2FIN%42OX%2E%44r%61%66ts%2F6 could not be found in folder Drafts
Properly resolve a reference to a message that resides in Unified Mail.
- 28082 500 Exception while trying to show e-mail attachment
Recover from "Unsupported Image Type" javax.imageio.IIOException.

- 28089 Slow SQL actions in log of live system
A second connection to the database is used to remove the reminder for tasks. The SQL statements executed through the second connection are blocked due to the transaction for the task delete on the first connection. This leads to a timeout on the second database connection. Unfortunately this happens only in very rare cases: task must be deleted through the delete of a folder and the task needs to have a reminder. The code now uses the same database connection.
- 28092 document fails to load after several edits
There was a problem, when insertText and delete operations were merged.
- 28128 Enabling vacation message fail with MAIL_FILTER-0001 'String index out of range: -103' error
Described workaround <http://sdb.open-xchange.com/node/357>
- 28194 External participants do not get an 'New Task' invitation mail if added after the task was created
Added user has wrong state because `com.openexchange.groupware.notify.ParticipantNotify.contains(Participant, Participant[])` returned wrong value. Only return true if the array and a participant is available and the array contains the participant.
- 28230 Notification mail still uses primaryMail instead of defaultSenderAddress .ics invitation
The ical generator now uses the fromSource setting for the organizer and the attendee.
- 28262 mailfolder sync delayed
Changed the behavior in case of mail folder creation to immediately submit an event.
- 28293 preview of .eml is not working
Fixed backend to deliver also this mails.
- 28294 japanese signature title garbled after change
Correctly encode title.
- 28368 Contact image issues on iPad
Ignore possibly contained `<p>` tag in image's binary data.
- 28428 webmail "unified mail" mails get displayed as unread in the folder tree, but no mails are unread
Return up-to-date value for unread/unseen messages.
- 28450 External address does not export
Fixed by not exporting distribution lists. This behaviour change has long been requested.
- 28472 Not able to subscribe to Google mail contacts in AppSuite
Give a meaningful error message to the user if login to Google Mail fails in case his login appears not to be a valid E-Mail address.
- 28669 SST_FOLDERHIERARCHY_EXPORT sync error
Fixed possible `ArrayIndexOutOfBoundsException` while listing folders.
- 28672 Vcard contacts imported in MAC addressbook do not sync with App Suite addressbook
To be more lenient, added logic that will allow escaped colons even when vCard 3.0 is indicated by the client.

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- 28702 external mail autoconfiguration using "Guess" implementation fails
Fixed typo.
 - 28703 exported calendar as iCalendar into an ical file could not be imported into MAC Mail
Default to METHOD:PUBLISH when exporting appointments.
 - 28718 log4j: com.openexchange.soap is logging passwords in loglevel INFO
Sanitize possible passwords from logged SOAP payloads.
 - 28726 Very long running OX Worker thread in task module
Removed error-prone custom handling of interrupted threads (acquiring stack trace from an interrupted thread seems to stall the caller).
 - 28734 ical calendar shows WebUI created appointments in incorrect time zone (+1 hour)
Upgraded iCal4j library to 1.0.4.
 - 28737 Lots of NPEs at
"com.openexchange.pop3.POP3MessageStorage.searchMessages(POP3MessageStorage.java:234)"
Assume default sort field if null is passed.
 - 28740 Login to WebGui not possible (ERROR Message='Unknown problem: "0" caused by: java.lang.ArrayIndexOutOfBoundsException: 0'
Fixed in the meantime.
 - 28741 xlsx files corrupting when sending / receiving from Oxtender
Orderly close opened 'Base64OutputStream'.
 - 28779 Unable to delete certain user out of context of two users
Avoid event handling from interrupting user deletion.
 - 28788 Unable to import a vcard exported from gmail
Fixed in the meantime.
 - 28878 Massive number of IMAP sessions and IMAP connection did not get released anymore
Load mail folder counts (total/unread) using a single pre-initialized mail connection.
This change along with the improved mail connection cache for IMAP storages should resolve problems.
 - 28918 "collected Addresses" is not created
Swallow possible unknown setting path if associated module is absent.

Front-End:

- 26187 Appointment description is not correct in the recipient email when delete a single appointment in the series of appointments
Show changed appointment in main detailview. Replace headline with introductions from backend response, if not an invitation.
- 26217 Error message while moving the tasks from one folder to another
Fixed in the meantime.
- 26498 Blank page is seen if user discards to re-store drafts
Add new control and fallback mechanism to the app autolaunch process.
- 26738 Calendar view setting change need a relogin
Current calendar view is stored on server and always used on next login.
- 26919 App Suite some settings are not getting translated
Fixed and added translation.
- 26927 unchanged open drafts get unnecessarily saved with autosave
Just checking "dirty" flag. If nothing has been changed, no new draft is saved.
- 26941 Quoting and escaping of names inconsistent in OX App Suite
Fix adds proper support for escaped inline quotes.
- 26951 Preview option for attachment is not always visible
Fixed preview on message forward.
- 27044 Next mail should be auto selected when user deletes a mail
Before delete, the next item is selected (index + 1).
- 27053 Drag n Drop functionality is not working for calendar folders
Fixed a runtime error (caused by the detail view's cleanup).
- 27073 create button continuous click creates tasks multiple times
Once hitting "Save", the app window changes state to "busy". All controls are disabled, so user cannot click any controls twice. Changes back to idle on error, on success app shuts down.
- 27094 Error '500 Internal Server Error' is displayed, after clicking 'ignore' button on canceled appointment
Renew rendering function to prevent drawing useless form elements.
- 27100 Contact folder export to csv just opens a new browser window (no download of the file)
Fixed by adding a parameter "content_disposition=attachment" to the request url to force the download.
- 27134 Time picker from appointments and tasks cut off 'AM/PM' details via scrollbar
Fixed CSS.
- 27139 Unable to attach multiple files while creating appointment in calendar IE9
After you added a attachment to an appointment successfully you couldn't add another one. This has been fixed.
- 27170 Blacklisting folders does not work
Fixed documentation.

- 27195 Web GUI Error message too vacant when changing calendar permissions breaks
Following error message is used in case the specific error occurs: 'Could not save settings. There have to be at least one user with administration rights.'
- 27209 customer can hit 'delegate task' button although he is not entitled to do so
Removing participant tab from edit/create tasks using capability 'delegate_tasks'.
- 27248 facebook: String "Account added successfully" not translated
Fixed translation.
- 27249 Name of distribution list members cannot be changed
Fixed with redesign of the distribution list compose dialog.
- 27259 Time frame selecting in "Find a free time" is not used for appointment
Bypass the 'AutoLengthMagic' function of the appointment model.
- 27260 Display name from contacts is not used as display name
Display name is longer shown in contact edit.
- 27277 Cannot delete single file from multi-fileupload
Refactored file upload.
- 27285 Mark read/unread option behavior
If only read or unread mails are in the selection only one option is shown, if both then mark unread and mark read is shown.
- 27286 Wrong error message is displayed while moving file having "no delete permission"
Copy used a multiple request which resolved without errors, but single requests inside this could fail without being noticed, fixed this so that those errors are displayed.
- 27291 iPad: The print options do not display after selecting to print an email
Alternative print dialog with iframe in modal popup for mobile devices.
- 27313 Sorting by "from" does not make sense for "Drafts" or "Sent mail" folders
Showing "To" sort option for drafts folders.
- 27354 Outdated settings and contact folder view after indirect settings/folder change
The folder 'Collected addresses' becomes visible if a first address has been collected.
- 27355 iPad: Scheduling tool does not work
Fixed in the meantime. Please use taphold/longtap to create an appointment.
- 27373 h1, h2, h3, h4 headings of HTML mails aren't displayed correctly
A fixed font-size (relative to line-height) was set for all elements.
- 27430 Severe Error while editing received appointment from external
Display correct appointment data to hide edit options.
- 27431 All appointments of series are not updating, in case we update a series appointment with one exception
Make an update on the series instead of the exception.
- 27449 unable to send an email if recipients are only in the "cc" and "bcc" fields
Backend can work with this mails so I changed the check to only reject it if there is no recipient at all.
- 27465 Assigning color flags/labels to mails don't get shown after reload anymore
Using client-side sorting for labels.

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- 27471 From notification area, if "Edit Task" is selected, the edit task screen is displayed as background
No more overlapping.
- 27482 On clicking settings for the first time, a few of the basic settings show up and then the rest show up split seconds later
Fixed loading of settings.
- 27483 Option to view slideshow does not display if attachments include non-image as well as image file
Fixed check for images.
- 27499 Color quoted line is displayed even if option is disabled
Fixed CSS.
- 27530 Easter egg must be configurable to disable it
Can be turned off by setting the capability "boring". Either adding it to the comma separated list in permission.properties or by setting com.openexchange.capability.boring to true.
- 27547 A distribution contact list persists on portal page with errors in case the list was deleted
Added missing listener for contact widget.
- 27593 incorrect sorting in address book for English Japanese
Index is now: Japanese, others, a-z.
- 27635 User is not able to save distribution list in V-Card format to AddressBook
Added check for "mark_as_distributionlist". If true, "create distribution list" dialog is opened.
- 27636 Pane footer message count in the inbox is not updated immediately (for example on message deletion)
folderAPI.reload will be triggered on mail api remove which visually updates unread counter and item counter.
- 27646 New appointment mails for external participants contain broken 'Edit' link
Display correct appointment data to hide edit options.
- 27662 The file which is attached to a contact is not getting opened in a new tab
Fixed some general problem that prevented opening files (except images) in a new tab.
- 27666 Add contact button not functional on android webbrowser
Fixed in the meantime.
- 27667 Search feature shifts options out of screen area by changing the orientation to vertical
Introduced new type of responsive dropdown which is used for all app search bars.
- 27683 After deleting a file from File Module, it is not deleted from Portal
Fixed listener.

- 27686 Above signatures persist by changing to below signature after mail body text was insert
Refactored signature handling. Now looks for all elements that look like signatures, compares their contents, and removes matches before adding another signature.
- 27695 Day picker GUI artifacts after closing in series appointment menu
Fixed meanwhile with complete redesign of the recurrence view.
- 27703 Email deleted from Inbox does not delete from Portal
Fixed listener and function calls.
- 27704 An error occurred while changing the own folder admin permissions
Fixed permission check.
- 27707 Recipient received Vcards with incomplete address distribution members list (last one is missing)
Seems to be an Outlook problem.
- 27709 While Printing email thread, on print preview it does not display all email of the thread
Fixed overlay issue.
- 27742 warning message gets displayed twice if a task can not be created due to earlier due date than start date
Hide redundant error message.
- 27763 Furigana fields are looking faded and it is not editable when not expanded
Fixed border color.
- 27769 Not able to update appointment correctly
Fixed in the meantime.
- 27725 some settings are not getting translated after relogin
Fixed and added translation.
- 27793 inconsistency "Email" and "E-Mail"
Changed all occurrences of "e-mail" to "email".
- 27796 NL translation issues in 7.2.2
Fixed and added translation.
- 27815 When selecting an end date for a meeting series, the displayed end date is always one day prior to the selected day
Fixed wrong transformation of the timestamp to a local date object.
- 27832 Unable to save email as file on iPad - email gets displayed within a webpage
Inline action is no longer available on iOS devices. IOS doesn't handle the download properly but replaces the UI with plain text.
- 27896 Error shown after login on mobile devices
There is now a new setting 'autoStartMobile', that can contain an app that is started on small devices. For larger devices 'autoStart' setting will be used.
- 27918 Opening a supported attachment on iOS opens in same tab
Fixed device check.
- 27962 Mail print-out show wrong date
Fixed incorrect date (UTC vs. local timezone).

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- 27936 Empty selection shown when deleting a contact on mobile devices
Fixed it for all grids, also removed the jump to next item on mobile devices to be consistent and reduce confusion.
- 27966 all attachments are delete in a multi attached email
Refactored file upload.
- 27976 Recipient recommendations overlaps the address input field by composing a mail and scrolling
Removed box shadow to prevent scrolling bug.
- 27988 Exception when retrieving phone numbers for MSISDN enabled from address dropdown
Fixed the meantime (use user API instead of contacts API).
- 28013 Delete option displayed for files within folder having object permission as no delete Permission
Fixed permission check.
- 28041 Wrong contact name in mail compose area
Fixed in the meantime.
- 28042 The pane footer doesn't indicate the count of contacts/tasks in the current folder
Fixed a race condition.
- 28061 IE10: User will be logged out
IE10 tries to find kind-of-submit buttons and clicks them.
- 28063 IE10: emoji icons will be messed-up when selecting a signature
Transform (emoji) image tags to unified Unicode in getContent method of the editor.
- 28064 Select module drop-down and rotate the device will result in a blocked UI
Disabling refresh of device function on window resize.
- 28065 Unable to use some extension points to modify the mail detail view on smartphones
Fixed race condition.
- 28067 The placeholder string used for the furigana fields can't be changed
Using gt() now.
- 28068 There is no confirmation message for saving appointment participants as a distribution
Added warning message.
- 28079 No reset option on changing Object permission to "no read permissions"
If you are have admin rights for the folder you can now see the folder in the tree again and select it to set the proper rights.
- 28129 deleting emoji not always works as expected
Fixed in the meantime.
- 28164 theme changes on customer system
Fixed CSS and config problems.
- 28165 emoji icons changed after saving as draft
The problem was with some uninitialized variable that produced the same css-code over and over again, once it had first been set.

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- 28196 my contact data: no save/discard button
Added buttons.
 - 28223 Wrong 'E-Mail notification for Accept/Declined' string in 'Settings' --> 'Tasks' menu and online help
Changed the string to "Email notification for New, Changed, Deleted?".
 - 28224 Default signature disappears intermittently on compose mail page
Fixed in the meantime.
 - 28226 User is unable to upload image while creating a contact on IE9
File upload input field was styled in a way that IE thought that's unsafe, therefore throwing "Access denied" exception.
 - 28264 prevent to enter emoji in subject line
Disabled the possibility to enter emojis into the subject.
 - 28265 emoji: mail text shines through emoji window
Fixed device check and CSS.
 - 28266 emoji: mobile window is displaced
Fixed device check and CSS.
 - 28267 emoji window too small in landscape mode
Fixed device check and CSS.
 - 28269 addressbook in Japanese shows English description
Fixed translation.
 - 28270 birthday selector in addressbook shows only for month name
If language is Japanese, we now use proper suffixes, i.e. 2013年 and 14日.
 - 28277 add folder on iPad no keyboard to enter name
Show keyboard on mobile.
 - 28288 share contact data option displayed
No longer showing "Private" checkbox if GAB is disabled.
 - 28289 emoji window too large on tablet
Fixed CSS.
 - 28291 contact count never updates
Added listener.
 - 28292 signature without title don't get saved
Show message.
 - 28319 mobile address book: "other" not visible in portrait mode
Fixed furigana, index is expanded.
 - 28322 icon for applications in the upper left corner is missing
This just requires capability "launchpad" to be set server-side. Then it will show up.
 - 28325 addressbook list: non furigana characters in wrong category
Contact sorting is now done on UI-side for Japanese. Using given tableau, then A-Z, then Other.

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- 28326 address book: move folder option is shown even if there is nowhere to move
Files was broken, for all modules with flat folders the move operation doesn't really make sense because we don't even show a hierarchy. Fixed Files, removed "Move" for Contacts, Calendar, and Tasks.
- 28328 japanese: wrong translation for "Show inbox" in notification bar
Fixed translation.
- 28351 empty contacts saves in Address Book
The save buttons in contacts and distribution lists will be disabled if there is nothing to save.
- 28365 display resolution 1024*768: Does not display "Foreground Color" & "Background Color" icons on Email Formatting toolbar
Below 1110 pixel TinyMCE uses two toolbars, this is not a responsive layout (TinyMCE cannot do that), so the window has to be too small upfront.
- 28398 QR reader is missing
The QR has been re-implemented.
- 28408 LinkedIn OAuth properties are not working correctly
Fixed in the meantime.
- 28411 Traditional Chinese Manual broken
Fixed and added translation.
- 28415 hCard option is not available while exporting contacts
hCard export has been removed.
- 28418 "Automatically delete a notification mail after it has been accepted or declined" is not working
External notification mails are deleted, internal ones not.
- 28422 BCC field is not visible on the message-view from the sent-mail folder
Also display BCC if set.
- 28427 Mails in thread view are shown like unread in case 'Mark all mails as read' feature is used
Fixed check for mails located in another folder.
- 28452 Popup to restore previous in progress work, does not appear on relogin
Add a new security dialog on logout if some restore point data will be lost.
- 28487 Multiple files are not opening in different tabs
The number of tabs that can be opened via script is limited, therefore we deactivated the 'open' inline link for multiselections.
- 28496 emoji disappear when adding signature with IE10
Rely even less on jQuery parsing during transformation of emoji items.
- 28497 double click search shows cursor in IE10
Remember last focused element.
- 28507 Task is getting created without Subject and description field
The title is now mandatory, otherwise the save button is deactivated.

-
- 28558 When user navigates from address book to mail module, "contacts" remains is shown on the footer during reload
One event handler did not check the application type, so cross-application updates were possible.
 - 28572 Messages are not marking as read If I click on unread message
Intended behavior. Mails that are manually set to unread need to be set back to read manually.
 - 28573 User is not able to save contact in vcard format to address book
Fixed check if contact is empty.
 - 28574 inconsistency in "emails" and "Email"
Fixed occurrences of "Email" within sentences; not changed if first word.
 - 28594 slideshow does not start if started from the portal page
Fixed window reference.
 - 28601 Email not able delete after mail quota reached
If quota is exceeded, the user will be asked whether or not to permanently delete this/these mail(s). Using mail API's "harddelete" in this case (doesn't move stuff to trash but directly deletes it).
 - 28647 Change Password on Portal
Changed documentation.
 - 28648 Two windows are getting opened when user tries to Print an Email
Fixed simple runtime issue.
 - 28705 Mails are not loading if you click on the folder which has Dot
Fixed API.
 - 28739 Mark as spam link disappears when user selects all (500) messages
We cannot check all mails separately (threshold is 100) because it's just too expensive. Instead of hiding "Mark as spam" we always show the link if too many items are selected (same for "No spam").
 - 28772 Wrong japanese translation for emoji category 'Recently used'
Changed translation
 - 28776 Remove headline 'Private' shown in the folder list of the address boook when no public or shared folders are available
Only show headline if more than one section contains elements.
 - 28781 Disabled status of 'Mark all mails as read' doesn't (really) change
'Mark all mails as read' action is generally enabled now.
 - 28782 Mail compose window close even when only adding some white-spaces into the 'To' field
Subject is already checked for whitespace. Added similar check for to, cc, bcc.
 - 28787 Title won't be shown in the detail view of contacts
Just showing the title now (if set).

-
- 28790 Deleting the field first name with furigana enabled shows it in last name again
This is caused by a display_name related fallback. If neither first nor last name is set, the display_name is used which is still "First name". This is used for "Last name" - which looks stupid if it's "First name". This fallback is now only applied if no furigana fields are set. "First name" would therefore appear if no fields are set at all.
 - 28791 Unread counter for mails in notification badge doesn't reflect the shown mails
Raised limit to 10 (from 3). If limit is exceeded, users gets: gt("Show all %1\$d messages in inbox", size).
 - 28809 The sort order of contacts is wrong after executing a searched
Just using special sort field 607 instead of 609.
 - 28843 Icon to remove a contact image does not work at the full click area
Fixed CSS.

Open-Xchange 6 GUI

- 20187 Appointment order wrong in week view
Optimized the sort function so both all-day flags will be observed.
- 27419 config file plugins/com.openexchange.mobile.redirect/config/config.js gets overwritten silently during update
config.js is now marked as config file in specfile and debian.
That also means the next update will overwrite the file once more but afterwards it won't get replaced anymore.
- 27589 Content in "E-Mail" section on portal page is updated neither manually nor automatically
Fixed timing issue.
- 27789 6.22: customer can hit 'delegate task' button although he is not entitled to do so
Unless upsell is disabled, the participant tab is still visible, but all participant actions are disabled.
- 27889 Severe Error when testing additional mail account without login name
Fixed field check.
- 27890 Error Message when clicking yes in configuration changed message box
Fixed field check.
- 28097 open-xchange-passwordchange-script bundle fails not deterministic with "Password change event could not be handled"
After the password has been successfully changed the user will see an alert. Clicking on 'Ok' or closing the alert will force the logout.
- 28179 Outdated startpage elements until re-login
Same as bug #27589.

OXtender for Business Mobility and USM

- 25019 Outlook stops syncing - SVL-0002 Categories=ERROR Message='Missing the following request parameter: id'
Fixed empty id parameter and correctly recognize smime_body_data.
- 25303 :E:illegal year period 18 <-- every 2 years
Adjusted filtering to allow interval > 1 for yearly series.
- 26117 com.openexchange.usm.json.sync.inbox_polling_interval is missing in etc/usm_json.properties
Added missing description, unified default value comments (always extra line with "Default: <X>")
- 26374 calendar sync is not working
USM reports errors for PIM-attachments that cannot be retrieved from server for server changes, client is not expecting these errors. Errors are no longer reported to client (still logged at level WARNING, as before).
- 26729 Error message: "Field attachments not provided by ContentType"
Added a security check to USM/EAS-sync-calls to verify that the provided collection-type is the same as the OX ContentType of the elements in the synchronized folder. An error status code of NOT_FOUND is sent to the device which should trigger a new synchronization of the folder hierarchy, so that the device can update its list of folders and their element types.
- 26782 NPE at com.openexchange.usm.eas.servlet.EASServlet,handleRequest Open-Xchange USM/EAS: Internal server error
The problem is caused by a client request that is either empty or in which the first few bytes do not match the WBXML identification and version information. This causes the normal handling of the request to fail before the response is correctly initialized, which caused problems in the error response. The code has been modified so that the error response is always correctly initialized for all WBXML error responses.
- 27014 EAS related ERRORS within the groupware.log: 'Sync: Cannot gain exclusive access to <folder>' + 503 rejects
Report http status 429 instead of 503.
- 27182 External Serial Invitations: wrong uuid in Exception
meeting_update contains now the right uuid and other relevant information for the series exception.
- 27758 Synchronising mail folder throws error after some time
Truncation of mail body failed with an ArrayIndexOutOfBoundsException for empty mail bodies.
- 27802 Duplicate entry for key 'USMDataStorageUIDX' / Error storing cache data for <folder>
Use mysql control to prevent duplicate keys (insert.. ignore).
- 27804 SQL error while updating field
Use mysql control to prevent duplicate keys (insert.. on duplicate key update).

-
- 27817 EAS From: mit Backslashes like "\"username\""
A workaround with quoted display names in from-header for another bug causes problems with fixed OX backend. The workaround has been removed, escaping of special characters is again performed by apache library.
 - 27851 New behavior of EAS in 7.2.2 leads to problems with some devices
Previous modification of error handling caused sync to fail. Restored original handling of errors during read of mail source.
 - 27922 No cached DataObjects for client available
Internal error was not correctly mapped to client error code.
 - 28765 EAS Client Google Nexus 4 with Android 4.3 doesn't display iso-8859-1x encoded mail bodies correctly
Seems to be fixed in the meantime.
 - 28947 User cannot send .eml attachments
Same cause as bug #28950.
 - 28950 IllegalArgumentException header of unknown typenull
Accept null headers for addresses, and generally remove all previously existing headers as in x-original-headers if the client overwrites them with null values.

Oxtender 2 for Microsoft Outlook

- 26634 client cache not deleted after changing servername in profile
Invalidate caches if you are referring the same server by different names.
- 27148 Outlook does not honor 'Reply-To' address
Honor Reply-To header.
- 27221 Error deserializing json response at
OpenXchange.Public.Ajax.Quota.MailQuotaResponse
Fixed wrong variable declaration.
- 27267 Oxtender Resource Conflict message is english
Fixed translation.
- 27728 A lot of "wrapstupp.cpp(45):E:m_pMAPISup->OpenProfileSection(pUId, ulFlags,
&pProf) failed: hr=8004010f" errors in log file
Fixed profile opening.
- 27820 A lot of "syncengine.cpp(4931):E:syncid 0 ignored!" errors in client log
Addin checks if folder is system folder skips polling then.
- 27974 Frequent "Error handling AdjustFolderRights call: Der Wert darf nicht NULL sein."
errors in OXAddIn.log
Just ignore a NULL as argument.
- 28296 Backslashes in NL translated Oxtender2 error messages
Fixed translation.
- 28477 appointment location set automatically while accepting / declining
If Outlook finds no location, it copies the resource there. If it finds a location, Outlook
does not change it. A workaround has been implemented:
Downsync: meeting request without location: add a white space character (non
breaking space). If the user accepts, this character is copied to the appointment by
Outlook.
Upsync: For every appointment, delete the location from upsync if it matches exactly
the magic string.

4. Changes applied

4.1. Changes relevant for Administrators

4.1.1. Changes of Configuration Files

Change 1501 - Autorun options for subscriptions

As an enhancement to the subscription module, we allow hosters to configure that they should be run automatically on login if a certain time interval between the last refresh run has elapsed (defaults to 1 day).

To enable that behaviour, 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
```

e.g.:

```
com.openexchange.subscribe.crawler.gmx.de.autorunInterval=1d
com.openexchange.subscribe.crawler.google.calendar.autorunInterval=2d
com.openexchange.subscribe.crawler.googlemail.autorunInterval=1d
com.openexchange.subscribe.crawler.suncalendar.autorunInterval=-1
com.openexchange.subscribe.crawler.suncontacts.autorunInterval=-1
com.openexchange.subscribe.crawler.suntasks.autorunInterval=-1
com.openexchange.subscribe.crawler.t-online.de.autorunInterval=-1
com.openexchange.subscribe.crawler.web.de.autorunInterval=1d
com.openexchange.subscribe.xing.autorunInterval=1d
com.openexchange.subscribe.crawler.yahoocom.autorunInterval=2d
```

```
com.openexchange.subscribe.socialplugin.facebook.autorunInterval=1w
com.openexchange.subscribe.socialplugin.linkedin.autorunInterval=1d
com.openexchange.subscribe.microformats.contacts.http.autorunInterval=1d
com.openexchange.subscribe.microformats.infostore.http.autorunInterval=1d
com.openexchange.subscribe.socialplugin.msn.autorunInterval=1d
com.openexchange.subscribe.socialplugin.yahoo.autorunInterval=1d
```

If the `autorunInterval` is set to `-1`, these subscriptions will never be run automatically

Change 1510 - Removed Sql.properties

Database Schema setup will no longer be performed by *.sql scripts but by CreateTableServices.

CreateTableServices are more reliable and easier to maintain. No side effects expected.

Change 1512 - Added configuration files 'tokenlogin.properties', 'tokenlogin-secrets' and 'tokenloginHz.properties' for new token-based login mechanism

v7.4.0 introduces a token-based login mechanism as replacement for former "config jump" feature.

That new token-based login requires some configuration options to be added that are held in files 'tokenlogin.properties', 'tokenlogin-secrets' and 'tokenloginHz.properties'.

tokenlogin.properties

=====

- To Enable or disable token-login. Default is "true" (enabled)

"com.openexchange.tokenlogin"

- To specify the maximum time (in milliseconds) a token may be idle before it is evicted. Default is 300000msecs (5 minutes)

"com.openexchange.tokenlogin.maxIdleTime"

tokenlogin-secrets

=====

Listing of secret strings (aka access key) for registered Web Applications. Each secret string can be followed by an optional semicolon-separated parameter list; e.g. "bc12acd654dfg862dgd54; accessPasword=true"

tokenloginHz.properties

=====

The .properties for Hazelcast-related settings for the Hazelcast map used by token-login feature since tokens need to be readable in whole cluster.

The value from "com.openexchange.tokenlogin.maxIdleTime" is reflected in corresponding Hazelcast setting "com.openexchange.hazelcast.configuration.map.maxIdleSeconds" that defaults to 300sec (5 minutes).

Change 1518 - New option to specify whether to hide rather technical data from JSON representation of the primary mail account

Due to customer needs an option is requested to configure whether to hide rather technical data from JSON representation of the primary mail account.

File 'mail.properties' is therefore enhanced by option

"com.openexchange.mail.hideDetailsForDefaultAccount". The default value for this option is "false"; meaning per default all account information is contained in JSON data.

Change 1526 - Added 'soap-cxf.properties' file to SOAP CXF bundle that provides option "com.openexchange.soap.cxf.baseAddress" to specify a custom base address if it is supposed to differ from default one

Added 'soap-cxf.properties' file to SOAP CXF bundle that provides option "com.openexchange.soap.cxf.baseAddress" to specify a custom base address if it is supposed to differ from default one.

Default setting is empty; meaning to use running machine's address

Moreover added option "com.openexchange.soap.cxf.hideServiceListPage" to that file to disable service listing page.

Change 1529 - Added new property "com.openexchange.server.fullPrimaryKeySupport" in server.properties to enable using primary keys on all database tables

This change enables customer to have all database tables fully supported with primary keys so that OX backends can be used in combination with the Galera Cluster.

Only set this parameter to 'true' if you would like to set up a completely new 7.4 installation.

If you migrate from a previous version to 7.4 use the default value ('false'). With a migration full primary support is available with 7.6. If you don't need to rollback anymore to 7.2.2 release, you can configure full primary key support, too. The default value ('false') is only necessary, if you need the option to rollback to a 7.2.2 release.

Change 1539 - Change hazelcast map configuration for c.o.realtime.hazelcast

* Add new configuration file opt/open-xchange/etc/hazelcast/rtIDMapping.properties

* Increment map name in opt/open-xchange/etc/hazelcast/rtResourceDirectory.properties from rtResourceDirectory-0 to rtResourceDirectory-1

* Change com.openexchange.hazelcast.configuration.map.maxIdleSeconds in opt/open-xchange/etc/hazelcast/rtResourceDirectory.properties from 0 to 3600

Change 1540 - Capability to mark an installation as boring

In order for customers to express their disdain at our attempts at humor, specifically our latest attempt that might or might not have something to do with the about dialog, we have introduced a new capability that can mark an installations preference for humorous content.

Set or uncomment the property

```
com.openexchange.capability.boring=true
```

```
in /opt/open-xchange/permissions.properties
```

to disable the exquisitely crafted wonder that is the latest appsuite easter egg. Rest assured, all other easter eggs won't be affected by this, and will gain their own switches should the need ever arise, and should they ever be unearthed.

Change 1556 - Added commented configuration property to easily disable update task `com.openexchange.groupware.tasks.database.TasksModifyCostColumnTask`

Initially we used float as database column type for costs. Floats get rounding issues with values above 130, 000.00 or below -130, 000.00. Therefore we limited allowed values to this range. This is uncomfortable if you want to use higher values for task costs.

The following rows are added to the end of configuration file `/opt/openexchange/etc/excludedupdatetasks.properties`:

```
# Changes the columns actual_costs and target_costs for tasks from float to NUMERIC(12, 2)
!com.openexchange.groupware.tasks.database.TasksModifyCostColumnTask
```

Change 1557 - Option to configure max. number of message attachments that are allowed to be forwarded

Max. number of message attachments that are allowed to be forwarded was hard-coded to 8. Thus there is a need to configure it if not appropriate.

`mail.properties` is therefore enhanced by option `"com.openexchange.mail.maxForwardCount"`. Default setting is 8.

Change 1558 - Add option to limit number of imported contacts

Set the property `"com.openexchange.import.contacts.limit"` to `import.properties` to limit the maximum number of contacts imported. All excess contacts will not be imported.

```
# sets the limit on how many contacts can be imported at once
# -1 means unlimited, defaults to -1
#com.openexchange.import.contacts.limit=-1
```

Change 1559 - Lower default value for `'com.openexchange.mail.mailAccessCacheIdleSeconds'`

Lower default value for `'com.openexchange.mail.mailAccessCacheIdleSeconds'` in file `mail.properties` from 7 to 4 seconds for faster disconnect of idle connections.

Change 1564 - Change of hazelcast cluster configuration

Currently, a custom mechanism based on JmDNS is used to discover other nodes in the cluster. Due to different insufficiencies of the underlying library, the mDNS cluster discovery is replaced by the Hazelcast built-in multicast discovery.

Doing so, this also obsoletes the custom cluster discovery packages, since cluster discovery now solely relies on hazelcast-internal mechanisms. Therefore, additional changes are applied to configuration files.

The following packages will be removed (replaced by open-xchange-core):

- open-xchange-cluster-discovery-mdns
- open-xchange-cluster-discovery-static

The following bundles will be removed:

- com.openexchange.cluster.discovery
- com.openexchange.cluster.discovery.static
- com.openexchange.cluster.discovery.empty
- com.openexchange.cluster.discovery.mdns
- com.openexchange.cluster.discovery.aws
- com.openexchange.caching.hazelcast
- com.openexchange.service.messaging
- com.openexchange.mdns
- com.openexchange.mdns.hazelcast

The following configuration properties will be merged into new properties in the file hazelcast.properties:

- cluster.properties/com.openexchange.cluster.name => com.openexchange.hazelcast.group.name
- static-cluster-discovery.properties/com.openexchange.cluster.discovery.static.nodes => com.openexchange.hazelcast.network.join.static.nodes

The following configuration properties will be renamed in the file hazelcast.properties:

- com.openexchange.hazelcast.interfaces => com.openexchange.hazelcast.network.interfaces
- com.openexchange.hazelcast.mergeFirstRunDelay => com.openexchange.hazelcast.merge.firstRunDelay
- com.openexchange.hazelcast.mergeRunDelay => com.openexchange.hazelcast.merge.runDelay
- com.openexchange.hazelcast.networkConfig.port => com.openexchange.hazelcast.network.port
- com.openexchange.hazelcast.networkConfig.portAutoIncrement => com.openexchange.hazelcast.network.portAutoIncrement
- com.openexchange.hazelcast.networkConfig.outboundPortDefinitions => com.openexchange.hazelcast.network.outboundPortDefinitions
- com.openexchange.hazelcast.enableIPv6Support => com.openexchange.hazelcast.network.enableIPv6Support

The following configuration properties are added in the configuration file hazelcast.properties:

- com.openexchange.hazelcast.jmxDetailed=false
- com.openexchange.hazelcast.network.join.multicast.group=224.2.2.3
- com.openexchange.hazelcast.network.join.multicast.port=54327
- com.openexchange.hazelcast.group.password=wtV6\$VQk8#+3ds!a
- com.openexchange.hazelcast.memcache.enabled=false
- com.openexchange.hazelcast.rest.enabled=false
- com.openexchange.hazelcast.socket.bindAny=false

The following configuration properties are added and configured in the configuration file hazelcast.properties:

- com.openexchange.hazelcast.network.join
=empty , if no cluster-discovery was installed previously

=static , if cluster-discovery-static was installed previously
=multicast , if cluster-discovery-mdns was installed previously

The following configuration files are removed:

- cluster.properties
- static-cluster-discovery.properties
- mdns.properties

Change 1566 - Add an option to specify characters that are not allowed to be contained in a mailbox name

Customers need an option to specify characters that are not allowed to be contained in a mailbox name.

File 'imap.properties' is therefore enhanced by property "com.openexchange.imap.invalidMailboxNameCharacters" that provides a white-space-separated list of such characters surrounded by quotes; e.g.

```
com.openexchange.imap.invalidMailboxNameCharacters="; / . | \\"
```

Default value is empty; meaning no character restrictions

Change 1574 - Removed unused USM and EAS properties

Following unused properties were removed:

usm.properties:

- com.openexchange.usm.ox.post_result_pattern
- com.openexchange.usm.ignore_client_data_at_slow_sync (was only for debugging purpose)

eas.properties:

- com.openexchange.usm.eas.uid_prefix

Changed default values:

usm_json.properties:

- com.openexchange.usm.json.ping.max_interval (Integer.MAX_VALUE -> 360000)

eas.properties:

- com.openexchange.usm.eas.sync_max_collections (1 -> 3)
- com.openexchange.usm.eas.ping.max_folders (Integer.MAX_VALUE -> 10000)

Change 1581 - New permission entries for office products

In order to allow customers to separately configure the capabilities for our (existing and future) office product, a new configuration file "documents.properties" has been added with the capabilities defined in them:

```
# Enables or disables the "text" module capability globally.  
# com.openexchange.capability.text=false  
  
# Enables or disables the "spreadsheet" module capability globally.  
# com.openexchange.capability.spreadsheet=false  
  
# Enables or disables the "presentation" module capability globally.  
# com.openexchange.capability.presentation=false
```

The capabilities default to being disabled.

Change 1586 - Added option 'com.openexchange.imap.allowFolderCaches' to file `imap.properties` to enable/disable IMAP folder caches

Added option 'com.openexchange.imap.allowFolderCaches' to file `imap.properties` to enable/disable IMAP folder caches.

Default is "true".

Change 1588 - Hazelcast listens to localhost by default

The default for `com.openexchange.hazelcast.network.interfaces=` at `hazelcast.properties` will be changed to accept incoming connection from the local interface only. When building a cluster, this setting needs to be altered in order to allow cluster communication. Single-host installations are advised to keep the default setting.

Please double-check if this setting gets updated appropriately when updating packages, manual interaction may be required.

Change 1594 - New options to define defaults for portal widgets

A new set of UI configuration options is introduced to define defaults for portal widgets. Similar to the configuration of protected plugins, the default options for all portal widgets of a specific type can be configured using the following path in `/opt/open-xchange/etc/settings/*.properties`:

```
io.ox/portal//widgets/defaults/<type>/<key>=<value>
```

For example, to assign a color to the quota widget, specify:

```
io.ox/portal//widgets/defaults/quota/color=red
```

Change 1601 - Enabled to consider X-Forward-Headers

Enabled to consider X-Forward-Headers to keep the information if a secure connection has been established by client. Thus the OX server will construct URLs/URIs with respect to this information:

If OX server has been reached by a secure connection, composed URLs will specify the "https" protocol.

Therefore property "com.openexchange.server.considerXForwards" in 'server.properties' has its default value changed from "false" to "true".

Change 1607 - Changed defaults and added properties for preview cache

Changed the default value of property "com.openexchange.preview.cache.quota" in preview.properties from "0" to "10485760" (10MB).

com.openexchange.preview.cache.quota=10485760

Changed the default value of property "com.openexchange.preview.cache.quotaPerDocument" in preview.properties from "0" to "524288" (512KB).

com.openexchange.preview.cache.quotaPerDocument=524288

Added option "com.openexchange.preview.cache.type" to preview.properties to specify where to store preview cache data. Possible values are file store ("FS") or database ("DB"). Default is "FS" (file store)

com.openexchange.preview.cache.type=FS

Added option "com.openexchange.preview.cache.quotaAware" to preview.properties to specify if stored data should affect quota or not. Only applies if "com.openexchange.preview.cache.type" is set to "FS" Default is false.

com.openexchange.preview.cache.quotaAware=false

Change 1610 - Added new property 'com.openexchange.templating.trusted' to be able to define which templates will be handled as trusted

The new property 'com.openexchange.templating.trusted' located in templating.properties is used to enable the administrator to define trust for templates. This will give trusted templates more possibilities, e. g. they might not be filtered.

The property should have one of the following values:

- true: all templates will be handled as trusted
- false: no template will be handled as trusted
- server: only server templates will be handled as trusted
- user: only client templates will be handled as trusted

The default value of this property is 'server'!

Change 1613 - Enable crawler-based XING subscription by default

Enable crawler-based XING subscription by default through adding line "com.openexchange.subscribe.xing=true" to file crawler.properties.

Change 1620 - logging.properties entry to control which exceptions are logged.

In order to be able to debug certain problems, every exception may have to be logged for a certain time.

For this, the logging has been extended and an example property is being added to the logging.properties file that controls the log level of the class responsible for logging exceptions

The following has to be added to file-logging.properties:

```
> org.glassfish.grizzly.level=SEVERE
>
> # Log access to UI files
> com.openexchange.appsuite.level=FINE
>
> # A switch to control which exceptions are logged to the log file
> # Set this to ALL to log all exceptions
> com.openexchange.ajax.requesthandler.DispatcherServlet.level=INFO
```

In and of itself this changes nothing, but provides a convenient pointer as to how to turn on more detailed exception logging.

Change 1623 - Added missing crawler spec file identifiers to 'crawler.properties'

Added missing crawler spec file identifiers to 'crawler.properties':

```
com.openexchange.subscribe.crawler.gmx.de=true
com.openexchange.subscribe.crawler.yahoocom=true
com.openexchange.subscribe.crawler.web.de=true
```

Change 1628 - All new USM properties since 6.20.7 release

USM introduced a new internal cleanup task to allow more control when USM sessions and SyncStates are removed from its memory cache. The following USM properties allow configuration of that cleanup task:

- * com.openexchange.usm.session_cache_check_interval (default: 60000) specifies in milliseconds how often the internal cleanup task will be executed
- * com.openexchange.usm.session_cache_check_interval_log_info (default: 300000) specifies in milliseconds how often statistics information about the cache cleanup will be logged (at level INFO)
- * com.openexchange.usm.cache.session.timeout (default: 43200) specifies in seconds how long an USM session must be inactive to get removed from the memory cache
- * com.openexchange.usm.cache.syncstate.timeout (default: 3600) specifies in seconds how long a SyncState (synchronization information for 1 folder) will be kept in the memory cache

USM was modified to reduce database usage. If a synchronization doesn't result in any changes, it will not create a new SyncState, but reuse the existing one. This implies that the reference (synckey) to the SyncState will not change. If any custom client implementation should require new synckey on every synchronization, the old behavior can be enforced by setting the following USM property to true:

- * com.openexchange.usm.force_new_sync_key_on_empty_sync (default: false) force creation of new SyncState/synckey on an empty synchronization

To prevent server problems when synchronizing large amounts of data, the following USM properties were introduced to limit the synchronization:

- * com.openexchange.usm.max_objects_per_folder (default: 65535) specifies the maximum number of objects (per folder) that will be synchronized with clients
- * com.openexchange.usm.max_attachment_count_per_object (default: 100) specifies the maximum number of attachments per object that will be synchronized with clients
- * com.openexchange.usm.max_attachment_size_per_object (default: 52428800) specifies the maximum size (in bytes) of all attachments per object that will be synchronized with clients

The following USM-JSON properties have changed their default values to disable the access check mechanism by default:

- * com.openexchange.usm.json.access_check.test_interval (from 120000 to 0)
- * com.openexchange.usm.json.access_check.max_accesses (from 40 to 0)
- * com.openexchange.usm.json.access_check.refusal_interval (from 900000 to 0)

The following USM-JSON properties has changed its default value:

- * com.openexchange.usm.json.sync.inbox_polling_interval (from 60000 to 600000)

The following USM-JSON property had a hardcoded default value (i.e. value used if not specified in the config file) that differed from the default value in the default config file. The hardcoded value has been adjusted to reflect the default value in the default config file:

- * com.openexchange.usm.json.ping.max_interval (from 2147483647 to 360000)

The following USM-EAS property had a hardcoded default value (i.e. value used if not specified in the config file) that differed from the default value in the default config file. The hardcoded value has been adjusted to reflect the default value in the default config file:

- * com.openexchange.usm.eas.ping.max_folders (from 2147483647 to 10000)

Due to internal changes the following USM-EAS property is no longer needed and has been removed:

- * com.openexchange.usm.eas.uid_prefix

The following USM-EAS property has changed its default value (so that the EAS access prevention is triggered after more unnecessary Sync-requests):

* com.openexchange.usm.eas.access_check.max_accesses (from 40 to 80)

The following USM-EAS property was introduced for configuration of extended EAS 12.x capabilities:

* com.openexchange.usm.eas.sync_max_collections (default: 3) Specifies a limit for the maximum number of collections that may be synchronized in a single Sync-request. Some devices expect to be able to synchronize at least 2 collections in 1 Sync-request

Change 1631 - Proper default log level for com.openexchange.appsuite

Proper default log level for com.openexchange.appsuite.

Line in '(file-)logging.properties' file is set as comment:

```
## Log access to UI files  
# com.openexchange.appsuite.level=FINE
```

Change 1632 - USM passes client Host header to backend

Customer needs a possibility to determine the "Product" to log into based on the Host HTTP Header. This was not possible for clients using the USM, because the Host header is always "localhost".

Therefore, USM passes the Host header as received from the client, in a custom "X-Host" header to the OX server. A new property has been introduced which enables/disables this functionality in usm.properties:

```
com.openexchange.usm.pass_client_host_header=true
```

The default value for this property is "true".

Change 1633 - Timeouts for streamed large objects in USM

USM introduced optional streaming support for synchronization of large attachments via OLOX2. Temporary data uploaded by OLOX2 clients for future sync-requests is stored using the OX ManagedFileManagement service. Since the upload of multiple large files may exceed the default settings for temporary files of that service, USM defines a new property in which the timeout for files stored by

USM can be configured:

* com.openexchange.usm.temp_files.timeout (default:7200000) specifies timeout in milliseconds after which a temporary file is removed if it's not accessed

Change 1635 - Introduced capability to signal if a file store is available or not

Introduced capability to signal if a file store is available or not.

File 'permissions.properties' is therefore enhanced by property "com.openexchange.capability.filestore" which defaults to true:

```
# Signal if file store is available or not
# Default is true
com.openexchange.capability.filestore=true
```

Thus, services can be ranked/enabled depending if a file store is available.

Note

====

This is an important setting and MUST reflect if setup/installation has a file store or not.

Change 1636 - Increased log level for org.jaudiotagger.* to SEVERE

Increased log level for org.jaudiotagger.* from WARNING to SEVERE

4.1.2. Changes of Database Schemes

Change 1519 - Added column 'uuid' for some tables and added it to the primary key and enhanced primary keys for some tables

Added 'uuid' and set as primary key for the following tables:

- genconf_attributes_strings
- genconf_attributes_bools
- updateTask
- prg_links
- prg_contacts_linkage
- prg_dlist
- del_dlist
- user_attribute
- infostoreReservedPaths
- user_setting_server

Set primary key for tables:

- ical_principal
- ical_ids
- vcard_ids
- vcard_principal

Change 1527 - Included folder_id to primary key to allow creation of tombstone entries

Added column 'folder_id' to primary key in table 'infostore'. To create the new primary key, foreign key in table 'infostore_document' must be dropped and created again.

Added column 'folder_id' to primary key in table 'del_infostore'.

Added column 'fid' to primary key in table 'prg_dates'. To create the new primary key, foreign key in table 'dateExternal' must be dropped and created again.

Added column 'fid' to primary key in table 'del_dates'. To create the new primary key, foreign key in table 'delDateExternal' must be dropped and created again.

Added column 'fid' to primary key in table 'prg_contacts'.

Added column 'fid' to primary key in table 'del_contacts'.

Change 1543 - Drop redundant keys in database

Dropped key 'user' from table 'preview', primary key satisfied it before.

Dropped key 'indexUser' from table 'snippet', primary key satisfied it before.

Change 1555 - The costs attribute of tasks is now stored in columns typecasted NUMERIC(12, 2)

Initially we used float as database column type for costs. Floats get rounding issues with values above 130, 000.00 or below -130, 000.00. Therefore we limited allowed values to this range. This is uncomfortable if you want to use higher values for task costs.

The columns actual_costs and target_costs of the tables task and del_task are changed from float to NUMERIC(12, 2). This requires two ALTER TABLE statements copying and changing the tables task and del_task.

Be prepared for a long running time and high IO load on the database servers due to this update task.

Change 1605 - Add new column to 'preview' table to hold a reference to a cached preview in file storage

Added new column 'refId' to 'preview' table to hold a reference to a cached preview in file storage. In turn, superfluous column 'data' has been dropped since data is no more held in table 'preview'.

```
CREATE TABLE `preview` (
  `cid` int(10) unsigned NOT NULL,
  `user` int(10) unsigned NOT NULL,
  `id` varchar(128) CHARACTER SET latin1 NOT NULL,
  `size` bigint(64) NOT NULL,
  `createdAt` bigint(64) NOT NULL,
  `fileName` varchar(128) COLLATE utf8_unicode_ci DEFAULT NULL,
  `fileType` varchar(32) CHARACTER SET latin1 DEFAULT NULL,
  `refId` varchar(255) CHARACTER SET latin1 DEFAULT NULL,
  PRIMARY KEY (`cid`, `user`, `id`),
  KEY `globalimage` (`cid`, `id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci
```

For the database-backed preview cache implementation a separate table 'previewData' has been introduced that now stores binary data for generated previews:

```
CREATE TABLE `previewData` (
  `cid` int(10) unsigned NOT NULL,
  `user` int(10) unsigned NOT NULL,
  `id` varchar(128) character set latin1 NOT NULL,
  `data` blob,
  PRIMARY KEY (`cid`, `user`, `id`),
  KEY `globaldocument` (`cid`, `id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci
```

4.1.3. Changes of Behavior

Change 1514 - Additional parameter for method `com.openexchange.contact.storage.ContactStorage.updateReferences`

The method `com.openexchange.contact.storage.ContactStorage.updateReferences(Session, Contact)` is extended by an additional parameter of type "Contact" to pass both the previous as well as the updated contact down to the storages after an update took place.

Previously, since only a reference to the updated contact was supplied, it was not possible to identify the source folder if the contact was moved from one folder to another.

The new method signature will now look like:

```
/**
 * Updates references to the supplied contact. This method is called
 * after a contact has been updated to propagate the changes throughout
 * all storages, e.g. to update distribution lists that are holding
 * references to the updated contact.
 *
 * @param session the session
 * @param originalContact the original contact
 * @param updatedContact the updated contact
 * @throws OXException
 */
void updateReferences(Session session, Contact originalContact, Contact updatedContact) throws
OXException;
```

Change 1521 - Participants allowed for private appointments.

Private appointments in private and shared folders can now contain participants.

These participants will also be able to see all details of the appointments like the organizer. Moreover they are allowed to modify this appointment.

Change 1614 - Export for distribution lists disabled

Before, distribution list exports created contacts that were named like the list, but did not contain any contacts. So the important information was lost.

Now we simply do not export distribution lists at all. This behavior is compatible with VCard and Outlook, which do not support lists.

4.1.4. Changes of Packaging

Change 1627 - Replace package open-xchange-realtime-atmopshere with open-xchange-realtime-json

Scalability problems bound to the long-polling based communication of the atmosphere framework in combination with apache and grizzly forced us to move to a frequent polling based communication approach.

- The needed communication functionality is now delivered via four AJAX actions handling requests bound to the api/rt namespace.
- We removed the atmosphere framework that was the dependency for the AtmosphereService which allowed us to mount the previously used request handlers into the url namespace at realtime/atmosphere/rt
- The old bundle com.openexchange.realtime.atmosphere is replaced with the new bundle com.openexchange.realtime.json.
- The old package open-xchange-realtime-atmopshere is replaced with the new package open-xchange-realtime-json. The new open-xchange-realtime-json conflicts with the old open-xchange-realtime-atmopshere so open-xchange-realtime-atmosphere has to be removed during an update from prior versions.
- There are no configuration changes introduced by the removal/addition of the mentioned packages

Change 1650 - Adds Bundle open-xchange-munin-scripts-jolokia as an alternative to open-xchange-munin-scripts

This Change will provide Munin-Scripts which are suiteable for the Open-Xchange implementation of Jolokia.

Due to the way, Jolokia on Open-Xchange is configured, this package also needs some configuration after install.

4.1.5. Changes of Libraries/Licenses

- none -

4.1.6. Changes of Front-End Customizations

All CSS changes and a list of new and changed icons can be found on our wiki page documenting the Theme changes for each version: <http://oxpedia.org/wiki/index.php?title=ThemeChanges>

4.2. Changes relevant for Developers

4.2.1. Changes of the HTTP API

Change 1553 - New column "supported_capabilities" for folders

Clients currently don't know if a folder supports specific features like publications or permissions.

Therefore, a new property named "supported_capabilities", column ID 317, is introduced for folders in the HTTP API. To avoid interference with the existing bitmask field "capabilities" specific to mail folders, the "supported_capabilities" is only used for non-mail folders.

The value of the "supported_capabilities" property is encoded as an array of strings. Currently, the following constants are used:

"permissions", "publication", "quota", "sort", "subscription"

Change 1560 - Tasks store now accurate values for monetary attributes

Initially we used float as data type for costs. Floats get rounding issues with values above 130, 000.00 or below -130, 000.00. Therefore we limited allowed values to this range. This is uncomfortable if you want to use higher values for task costs.

The attributes actual costs and target costs of tasks store now exact monetary values in the range - 9999999999.99 and 9999999999.99. The values are transferred in JSON as before - the format itself does not change at all - but be prepared that now much higher values can be used.

This may break HTTP JSON API clients if parsing the value is done into language specific data types not able to store such values in an exact way. IEEE 754 single and double precision floats are not able to store exact values. E.g for Java the correct language specific data type is `java.math.BigDecimal`.

Please verify clients if they use the attributes actual and target costs of tasks and if their values are treated appropriately.

Change 1568 - Option to ignore UIDs during iCal import

A new (optional) parameter named "ignoreUIDs" for the iCal import action is added. When set to "true", UIDs are somehow ignored during import of tasks and appointments from iCal.

Internally, each UID is replaced statically by a random one to preserve possibly existing relations between recurring appointments in the same iCal file.

4.2.2. Changes of the RMI API

Change 1578 - Added admin user RMI interface to retrieve user access combination by name

Enhanced admin user RMI interface 'com.openexchange.admin.rmi.OXUserInterface' by a method to retrieve user access combination by name

```
moduleAccessForName(String)
```

4.2.3. Changes of the SOAP API

- none -

4.2.4. Changes of the CLT API

Change 1579 - Added option to 'changeaccessglobal' CLI

Added option to 'changeaccessglobal' CLI to specify those permissions that are supposed to be globally changed by an access-combination name.

Usage: changeaccessglobal

-h, --help Prints a help text

--environment Show info about commandline environment

--nonl Remove all newlines (\n) from output

-A, --adminmaster <adminmaster> ? The name of the admin master

-P, --adminmasterpass <adminmasterpass> ? The password of the admin master

-f, --filter <filter> The call will only affect users with this access combination. Can be an Integer or a String, representing a module access definition. If left out, all users will be changed.

-a, --access-combination-name <access-combination-name> The optional access combination name as replacement for specifying single permissions to enable/disable.

Entries marked with an asterisk (*) are mandatory.

Entries marked with an question mark (?) are mandatory depending on your configuration.

Entries marked with a pipe (|) are mandatory for one another which means that at least one of them must be set.

Change 1608 - Added command-line tool to clear the preview cache for a certain context

Introduced command-line tool 'clearpreviewcache':

usage: clearpreviewcache

-c, --context <arg> Required. The context identifier

-h, --help Prints a help text

Change 1612 - The options of the CLT for fetching monitoring information is extended with a connection timeout parameter

If the backend is under high load circumstances, the current connection timeout of 2 seconds to establish the JMX connection is too short and leads to not established JMX connections.

First of all the connection timeout is increased to 15 seconds. This is the default time span for nearly all of our connection timeouts. This value should be high enough to allow the server side to respond to the request and it is short enough to get a fast response that the server side is not reachable.

Furthermore every CLT connecting to the JMX interface gets a new command line option. This option is named `-T` or `--timeout`. With this option other values than the default of 15 seconds can be given to the CLT for the JMX connection creation timeout.

4.2.5. Changes of the WebDAV API

- none -

4.2.6. Changes of the GUI-API

- none -

5. Tests

The OX QA team has verified all bug fixes.

To avoid side effects the packages have gone through automated smoke and regression test on both, the OX Build System and a distributed OX QA server setup.

In addition all bug fixes have been checked for potential side effects or changed behavior. Unless explicitly stated with one of the bug entries above, we do not expect other side effects.

6. Fixed Bugs

18841, 20187, 20993, 21906, 23141, 23491, 23537, 24534, 24884, 25019, 25232, 25303, 25729, 26023, 26033, 26109, 26117, 26187, 26217, 26374, 26498, 26547, 26566, 26634, 26639, 26729, 26738, 26782, 26783, 26789, 26803, 26835, 26869, 26919, 26927, 26941, 26951, 26954, 27009, 27014, 27044, 27053, 27073, 27094, 27100, 27134, 27139, 27148, 27170, 27176, 27182, 27209, 27210, 27221, 27248, 27249, 27259, 27260, 27267, 27277, 27284, 27285, 27286, 27291, 27309, 27313, 27354, 27355, 27373, 27385, 27417, 27419, 27428, 27430, 27431, 27438, 27449, 27465, 27468, 27472, 27476, 27477, 27482, 27483, 27498, 27499, 27530, 27539, 27547, 27548, 27584, 27589, 27593, 27604, 27626, 27635, 27636, 27639, 27640, 27641, 27646, 27647, 27662, 27663, 27666, 27667, 27683, 27695, 27703, 27704, 27707, 27709, 27725, 27728, 27741, 27742, 27758, 27762, 27763, 27767, 27769, 27789, 27793, 27796, 27802, 27804, 27815, 27820, 27832, 27849, 27851, 27863, 27864, 27865, 27867, 27872, 27889, 27890, 27891, 27892, 27896, 27901, 27903, 27914, 27918, 27922, 27957, 27962, 27966, 27974, 27976, 27988, 28013, 28026, 28041, 28042, 28049, 28059, 28061, 28063, 28064, 28065, 28067, 28068, 28076, 28079, 28082, 28087, 28092, 28097, 28128, 28129, 28164, 28165, 28179, 28194, 28223, 28224, 28226, 28230, 28262, 28264, 28265, 28266, 28267, 28269, 28270, 28277, 28288, 28289, 28291, 28292, 28293, 28294, 28296, 28319, 28322, 28325, 28328, 28351, 28365, 28368, 28398, 28408, 28411, 28415, 28418, 28422, 28427, 28428, 28450, 28452, 28472, 28477, 28487, 28496, 28497, 28507, 28572, 28573, 28574, 28594, 28601, 28647, 28648, 28669, 28672, 28703, 28705, 28718, 28726, 28734, 28737, 28739, 28740, 28741, 28765, 28772, 28776, 28779, 28781, 28782, 28787, 28788, 28791, 28809, 28843, 28878, 28918, 28947, 28950