



Release Notes for Release 7.6.2

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1 Shipped Product and Version

Open-Xchange backend 7.6.2-rev12

Open-Xchange appsuiteui 7.6.2-rev12

Open-Xchange ox6ui 6.22.9-rev12

Open-Xchange usm 7.6.2-rev12

Open-Xchange eas 7.6.2-rev12

Open-Xchange oxupdater 7.6.2-rev12

Open-Xchange driverestricted 7.6.2-rev12

Open-Xchange office-web 7.6.2-rev12

Open-Xchange office 7.6.2-rev12

Open-Xchange calcengine 7.6.2-rev12 (1.3.701)

Open-Xchange documentconverter 7.6.2-rev12 (4.2.9.48)

Open-Xchange documentconverter-api 7.6.2-rev12

Open-Xchange oxdrive-help 1.4.0-rev4

Open-Xchange OXtender2 for Microsoft Outlook 7.2.12

Open-Xchange Updater 6.18.27

Open-Xchange OXNotifier 1.0.6

Open-Xchange OXDrive for Windows 1.4.6

2 General information

The main focus of this OX App Suite release is improved design and usability for the web front-end in all applications. Included in this v7.6.2 release are HTML Signatures, management of groups/resources and a Comment field in Calendar invitation mails.

In addition Open-Xchange is also announcing a minor update of OX Documents.

Open-Xchange encourages administrators to update regularly to the latest available release. In order to ensure a stable and up to date environment please note the different supported versions. 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

Noteworthy changes and announcements

OX Drive help in new software repository

With OX App Suite v7.6.2, the OX Drive online help has been moved to an own software repository at software.open-xchange.com. All related packages are no longer available in the 'appsuiteui' repository. The new repository is 'drive-help'. Please add this repository when updating from OX App Suite v7.6.1 to the new minor version. Read

more: http://oxpedia.org/wiki/index.php?title=AppSuite:OX_Drive#Available_packages

Manage user groups and resources

With OX App Suite v7.6.2 users with special administrative permissions, e.g. context administrators, can manage groups and resources. The corresponding admin panes can be found as part of the settings application. A more detailed overview of the new improvement can be found at: http://software.open-xchange.com/products/appsuite/doc/Feature_Overview_OXAppSuite_OXDocuments_7_6_2.pdf

New features for OX Documents

- Common: Improved template handling
- OX Text: Display header and footer
- OX Text: Support for text frames
- OX Spreadsheet: Data filters for showing and hiding specific rows in a spreadsheet
- OX Spreadsheet: Data sort for arranging a list of values in a specific order
- OX Documents Viewer: Better performance and rendering quality
- OX Documents Viewer: Users can select and copy text

A more detailed overview of the new features on OX Documents can be found at: http://software.open-xchange.com/products/appsuite/doc/Feature_Overview_OXAppSuite_OXDocuments_7_6_2.pdf

New Sharing Concept with OX App Suite v7.8.0

Open-Xchange would like to provide you with early notification of an upcoming behavior change for the sharing / publication concept. With OX App Suite v7.8.0, Open-Xchange will enhance the sharing concept from the producer perspective (Shared by me) and the consumer perspective (Shared with me). The new sharing concept will be based on a completely new guest-user concept to allow users to provide and consume shared materials in an easy and quick way. Please Note: Publications which were created before v7.8.0 will still be still available and manageable via the user settings menu. New publications can be created via the new sharing concept. Open-Xchange will provide a detailed summary about the behaviour change as pre-information before the launch OX App Suite v7.8.0.

LinkedIn Integration

Regarding the integration between OX App Suite and LinkedIn, we would like to notify you about an upcoming LinkedIn API change, which is used by the App Suite app server. We were informed by LinkedIn this week that LinkedIn will restrict access to parts of their currently available API for all existing users and partners by May 15th. LinkedIn will only allow access to the full API, if you sign up for the LinkedIn partner program. Read More: <https://forum.open-xchange.com/showthread.php?9261>

Facebook Integration

Regarding the integration between OX App Suite and Facebook, we would like to notify you about some Facebook API changes which affect the integration between OX App Suite and the Facebook social network. Specifically Facebook has reduced the ability to access the Fetch Contact Data from the Graph API. This does not change the ability for OX App Suite to display Facebook content on the portal it does affect the Contacts module. Due to these new restrictions OX App Suite is no longer able to provide a stable way for users to enhance the address book using the Facebook API. This means that the subscription capability of the OX App Suite Contacts module, from Facebook accounts, will be disabled. Existing content will not be affected. Read More: <https://forum.open-xchange.com/showthread.php?9280>

Third party component support announcements

Open-Xchange discontinues support for Apple iOS 6 with the minor release of OX App Suite, v7.6.2.

Additionally, Open-Xchange will discontinue support for Apple iOS 7 with the next major release of OX App Suite, v7.8.0.

Open-Xchange discontinues support for Apple Mac OS X 10.8 Mountain Lion with the minor release of OX App Suite, v7.6.2.

Open-Xchange will discontinue support for Debian Squeeze (Debian 6) with the next major release of OX App Suite v7.8.0. We encourage administrators to update to the latest operating system version of Debian.

With the v7.8.0 release Open-Xchange will discontinue support for the Random Token login method (sometimes also called Easy Login). Specifically, this means that the "login?action=redirect" call (see http://oxpedia.org/wiki/index.php?title=HTTP_API#Redirect) will be removed. Furthermore, the "com.openexchange.ajax.login.randomToken" setting will be removed from the "login.properties" file, and the "login?action=login" call will never contain the "random" token. We strongly encourage users of the Random Token login method to change their custom login implementations and use one of the supported methods.

3 Bugs fixed with this Release

This document provides a summary of bugfixes and changes that have been applied subsequently to shipping Release 0.0.0. Some of the announced bugfixes may have already been fixed at the existing code-base via Patch Releases.

21161 Upsell reason wrong in iFrame URL for some actions

Introduced new modules configuration and tasks to assign the events. everything else (like the content) will be extended from the calendar object so it stays the same.

21654 Logs fill up with missing translations when changing default folder names in English

Change log level to DEBUG for missing translations.

27489 Show CalDav-Url in task properties

Also show the URL for task folders.

28262 mailfolder sync delayed

Mail folder events were not distributed remotely among cluster nodes, but only locally. Thus EAS session could not detect e.g. a newly created folder performed on another node.

30106 Network Activities not displaying for LinkedIn on portal

There are more activity types that we can render or some that we know lack data. In this case the array is not empty and we draw the section header "Recent Activities" but actually nothing will appear below.

Solution: Added a more complex check if there are any activities we can actually render.

31044 No cached DataObjects for client available

Polling mechanism for the users inbox in ping-handler did not check for all errors during polling.

31407 FLD-0008 Error

Sharing the same database between multiple OX servers may always lead to the situation where cached data is not up to date. In this case, a folder still held a list of subfolder identifiers, where one of those referenced subfolders was deleted via another OX server accessing the database.

When evaluating the "has subfolders" flag, ignore subfolders that are no longer found.

32797 The object identifier is mandatory for distribution list members referencing existing contacts

When synchronizing distribution lists, unique identifiers of list members got lost in some cases since they have been looked up at the wrong folder. This has been solved by checking all relevant folders for those identifiers.

32974 Huge log file with a lot of entries after context has been deleted

Special error code "DBP-0021" (Transaction counter is missing) that hints to an absent context has not been properly handled by running IMAP-IDLE listener thread. Moreover there was an inefficient handling in ReplicationMonitor class that performed default retry mechanism (10 retry attempts) although context was absent and it could therefore not recover from that state.

Solution description: Cancel running IMAP-IDLE listener in case context has been deleted in the meantime. Improved handling in ReplicationMonitor class to avoid default retry mechanism in case a "DBP-0021" (Transaction counter is missing) occurs.

33334 Protected widgets (on first place) did not get honored while adding a new widget

Don't prepend but append new widgets.

33399 Incorrect Polish translation in 7.6.0

Missing translations were added.

33448 New feature cross-folder search with dovecot not documented

Added documentation.

33653 USM internal error "No cached DataObjects for client available"

Fixed wrong return status.

33729 Hidden links in topbar when no documents is installed

The UI now ignores apps that cannot be resolved.

33748 CSV-Import fails - java.lang.StringIndexOutOfBoundsException: null

Depending on the detected encoding, the CSV import tried to skip the byte order mark in the underlying stream. Due to a programming error, the offset of the skipped bytes was not subtracted from the number of bytes to read, which lead to an uncaught runtime exception.

34016 Moving action for tasks in shared folders should be greyed out in the OX6 UI

Permissions were not checked by the toolbar and by DnD handlers.

34035 Users cannot move messages from spam folder to Inbox

There was a wrong attempt to acquire the source/content of a message.

34275 EAS with push mod empty battery in a WindowsPhone in 2h

Sync element Wait did not allow parallel manual Sync. It was locking the synced Object while waiting for server changes. Resulting in "Sync: Cannot gain exclusive access to ...: locked by Sync:..." & Outgoing error code: 429).

This has been fixed by reducing the lock section to the handling of the server changes.

34283 OX server stops responding to requests and needs a restart

An account containing 7.5M contacts was attempted to be synchronized via CardDAV. The response generation for listing all E-Tags of the corresponding CardDAV resources consumed a huge of amount of memory, leading to the Java process no longer responding.

This has been fixed by introducing a hard limit when marshalling the XML elements of a WebDAV response with a depth ≥ 1 recursively, defaulting to 250000. In case this limit is exceeded, a "HTTP/1.1 507 Insufficient Storage" error element is inserted into the response, and further processing is stopped.

34322 Sieve/Filter - Error while communicating with the sieve server

Consider the OK keyword inside a comment in the quote-aware parsing of SIEVE script content.

34380 Tasks entered in App Suite UI do not get upsynced to Outlook

Backend task implementation did not support deleting the priority attribute from task using the null value.

34465 External mail account settings can not be saved although correct values are entered

Client misses to provide complete mail account data to enable the backend to orderly check for POP3.

This has been fixed by checking for a POP3 account by mail account data fetched from storage. Do no longer rely on valid data sent by client.

34499 CSV import stops in case of an invalid email address instead of ignoring it

CSV files exported from Outlook may contain legacy Exchange Distinguished Names as e-mail address, which prevents them from getting imported by the backend as e-mail validation fails.

Solution: Don't fail on invalid e-mail addresses, instead add a warning to the import result.

34510 Invalid content type in response: text/javascript

charset=utf-8;The problem was that USM tried to download a mail attachment that obviously does not exist (anymore). Instead of the attachment's data, a JSON error response is returned, thus HTTP response has its Content-Type set to "text/javascript; charset=utf-8".

Solution: Output standard HTML error page if requested resource appears not to be in JSON output format.

34517 IMAP login not possible anymore when session is "moved" to new server and Kerberos is used

Frontend: A relogin under Kerberos doesn't change the session ID. The UI code has to consider that case when resending requests that previously failed with a session error.

This has been fixed by ignoring pending requests when resending a request.

Backend: We are not able to transfer a Kerberos ticket to another node in the OX backend cluster. It is not wanted to serialize Kerberos tickets.

Solution: This patch implements now a new fetch of the forwarded TGT from the client after the session has been migrated onto a different OX host in the cluster. Furthermore for those sessions created with login and password a new TGT is fetched after session migration.

34617 Personal data cannot be changed by editing my contact data

The frontend now checks if users can edit their own data. If not, "My contact data" is not shown at all.

34618 Thousands of WARN/ERRORs: "Error while retrieving mail from search result for ItemOperations Fetch"

Lowered log level as requesting non-existing message is likely to occur during client/server interaction.

34689 Recurring appointment exception created in Outlook gets ignored by backend

Recurring appointment exception created in Outlook gets ignored by backend;To create a new exception via /ajax/calendar?action=update sequence of the series object has been changed.

Solution: Sequence of the series object is excluded from other fields that are updated with the values of the new exception.

34704 Mailfilter rules not displayed

Parse the escaped double quotes correctly and convert all octet string literals to their ASCII/Unicode representations.

34706 SVL-0011 Categories=ERROR Message='Unexpected error: Thread pool is overloaded'

The used login method triggers synchronous update of a session's local IP address, client identifier and hash string through cluster. Such a behavior causes many threads to await that cluster-operation to terminate, while being prone to increasing number of stalled threads.

This has been fixed by using timeout-aware operations to distribute either change of local IP address, client identifier or hash string throughout cluster to prevent the system from increasing number of stalled threads.

34727 Mail folder could not be found when using search for unified mail account

Wrong full-name was generated for subfolders in Unified Mail.

This has been fixed by generating proper full-name identifier for subfolders in Unified Mail.

34758 EAS mail app: image not displayed

Referencing of inline Images in an Email was not possible.

Fixed by adding the Content-ID (cid) to Email-Datatype MailAttachment.

34779 Mail subjects scrambled using non-Webkit browsers under minimal resolution

Mixture of different device detection strings caused this error.

This has been fixed by setting those tags to 'smartphone'.

34834 Calendar notifications not displayed on portal page

Also search in public folders for action all.

34835 A protocol exception occurred during execution of IMAP request "CREATE Drafts (USE (\Drafts))". Error message: A21 BAD expected end of data

The standard folder checker that pays respect to "SPECIAL-USE" IMAP extension did not honor "CREATE-SPECIAL-USE" capability string when using the "USE" IMAP CREATE command extension.

Solution: Honor "CREATE-SPECIAL-USE" capability string when using the "USE" IMAP CREATE command extension.

34855 IE 11 Buttons in Wizard are not shown correctly

styleSheet is no longer supported in Edge document mode for Internet Explorer 11. We can use the regular createTextNode to apply the node to the document.

34893 Tasks marked as completed didn't get synchronized to OX on iOS8 devices

EAS field Complete was not mapped to OX field status. Mapping of EAS field Complete to OX fields status and percent_completed now.

34894 E-Mail with attachments but no subject: download button is not working

Mail sent with an empty subject was not considered in mail processing.

34916 Download of attachments not possible if no mail subject is given

Same cause as bug #34894.

34921 Problem when using open option for attachments in an E-Mail.

HTML sanitizing has been applied to XML content although inappropriate.

This has been fixed by not generally apply HTML sanitizing to XML content if not intended to be displayed inline.

34922 Reloading the configuration loses widget configuration

Config-cascade's "server" configuration provider has not been order re-initialized during configuration reload operation.

Solution: Properly re-initialize config-cascade's "server" configuration provider on configuration reload

34927 Unexpected application error when clicking on "show all messages in Inbox" in notification area

False negative. Default folder was already set, so initialize function got a reject.
Solution: Resetting a folder is no longer a reject, just doesn't do anything.

34928 No autologin with httpauth

When logging in using HTTP authorization headers, the backend did not consider cookies supplied by the client. This includes the session- and secret-cookies that clients send along with their requests in case "com.openexchange.ajax.login.http-auth.autologin" is set to "true", and the user did not explicitly logout before. Doing so, a request to "/httpAuth" was answered with "HTTP 401 Unauthorized" even if the client sent cookies referencing an existing, valid session in the backend, which in turn causes the client to login again and a new session being spawned.
This has been fixed by trying to lookup existing stored session if http-auth.autologin is enabled.

34947 No login possible when mail server is not available

A possible unrecoverable socket error leads to an error being thrown when trying to load mail settings (especially standard folders). That error in turn prevents the Web UI from initial loading on user login operation.

This has been fixed by checking for a possible unrecoverable socket error when attempting to load mail settings (esp. standard folders); signal an empty value instead of throwing an error.

34952 _MACOSX resource forks in jar files

Some jar files contained Mac OS remnants yielded through custom re-packaging in order to hold IDE-ready source files.

34981 com.openexchange.sessiond.remoteParameterNames not added by postinst

Corrected the implementation of SCR 2037.

34983 IMAP folders break in UI when there's regular folder with same prefix as translation for special folder like INBOX, Sent Objects, Drafts etc

Broken subfolder check caused this problem.

This has been fixed by using folder separator to check subfolders reliable.

34984 Wrong Italian translation for label "Expunge folder"

Changed translation to "Cancella email eliminate".

34989 Mail account using altnamespace presented wrong in folder tree

My folders point at INBOX.

The UI needs to know whether or not the IMAP uses altnamespace. If so, "My folders" points at the root level and ignores all standard, shared, or public folders. Also changed order to: Standard folders, my folders, public/shared folders, remote accounts. Also changed check if adding folders is allowed by only considering the 4th bit of "own_rights" instead of also checking the admin bit. Apparently that's the reason why users might be allowed to add a folder to INBOX (under altnamespace) and run into an exception.

35021 Too many INFO logs generated by OX server RequestWatcherService on crosscheck script

There are some calls that are known as long running and those should not be tracked by the request watcher as long running is a little bit desired. For this we introduced the possibility to define USM calls (identified by path) within the requestwatcher.properties file that will be ignored by the RequestWatcher: SCR 2249.

35023 SST_FOLDERCONTENTS_IMPORT error 0x800d0002

A possibly absent user permission bits entry leads to a null dereference.

Solution: Orderly deal with absent user permission bits.

35048 Undeleting mail on IMAP client - update not seen in App Suite until relogin

when using "List" or "Horizontal" layout, the deleted flag was not evaluated if the data changed. The extension has been active for all other layout variants.

35052 Stacktrace should include the OS error code when issue was caused on the OS level

Already fixed in the meantime.

35059 Distribution list sorting not alphabetical

Sort distribution list members by (display name, e-mail address) ascending when reading them from the database.

35062 Option print in drop down menu doesn't work

Click did not immediately open a new window; therefore running into popup blocker. Only affects day and week view (same code). Works in month view.

35073 NPE while parsing E-Mail with MS-TNEF Attachment

Mail sent with an empty subject was not considered in mail processing (for that case). This has been fixed by handling empty subject within mail processing.

35088 Revoke "multiple email-accounts" right does not remove the link "Add mail account" in the UI

Missing capability check for "multiple_mail_accounts".

35124 Import API stops importing E-Mails when one address is invalid

Don't fail on invalid e-mail addresses, instead add a warning to the import result.

35128 Paragraphs in mail compose too big

Add new config option for smaller paragraphs: `io.ox/core//features/mailComposeSmallParagraphs=true/false` (default: false), paragraphs is adjusted.

35130 Sieve/Filter - Error in low level connection to sieve server

Wrong behavior during parsing of SIEVE script. This has been fixed by adjusting the parsing of SIEVE script content.

35134 PDF-image-rendering

Fixed by using pdf.js.

35135 Lost class "show-counter" in mail folder

We simply removed that during the folder tree rewrite. Has been added again.

35137 Exceptions are missing in SOAP response although defined in WSDL file

Added "detail" element in SOAP response in case a SOAP fault occurs.

35138 EAS does not work reliable at all on Windows Phone 8.1, Outgoing error code: 429 in EAS Debug Log

Sync element Wait did not allow parallel manual Sync. It was locking the synced Object while waiting for server changes. Resulting in "Sync: Cannot gain exclusive access to ...: locked by Sync:..." & Outgoing error code: 429).

This has been fixed by reducing the lock section to the handling of the server changes.

35139 signature

Through introducing property "com.openexchange.html.sanitizer.allowedUrlSchemes" in 'html-sanitizer.properties' non-whitelisted URI schemes are dropped.

35148 Taskwatcher does not honor long running EAS requests

Sync commands have not been handled as long running by the RequestWatcher.

Solution: There are some calls that are known as long running and should not be tracked by the request watcher. For this we introduced the possibility to define EAS commands ('com.openexchange.requestwatcher.eas.ignore.cmd' within the requestwatcher.properties file) that will be ignored by the RequestWatcher: SCR 2250.

35168 Adding a hash sign to a SIEVE rule breaks the mail backend

This has been fixed by checking '#' as literals and not as comments when inside of double quotes.

35170 ox.jvm_gc_duration and ox.jvm_gc_freq Jolokia monitoring plugins not working

Type derive was used.

Now type is written as DERIVE.

35171 Error message when switching to INBOX in notification window

Same as bug #34927. False negative. Default folder was already set, so initialize function got a reject.

35176 Signing of the EAS profile for the iPhone does not work

Missing property to also specify the "-certfile" argument when invoking the OpenSSL call. Added the property "com.openexchange.mobile.configuration.generator.PemFile" to "eas-provisioning.properties" file that specifies the "-certfile" argument for the OpenSSL call.

35198 Rate limit, max age

Several improvements to avoid accedetnly rate limiting.

35199 E-Mail order incorrect

Fixed a possible race-condition and the collection handling wasn't robust against unexpected data.

35234 Language change works only after 2nd login

Completion of concurrent config tree modification was not awaited, but config-cascade JSlob properties were already examined leading to fill up the cache with stale user data. And Modifications to JSlob were held too long in associated cache and there was no trigger to flush its content to database in case a logout is performed.

Solutions: Await concurrent config tree modification completion prior to examine config-cascade JSlob properties. And more aggressive flushing from cache to database, especially when a logout is performed.

35242 NPE when trying to parse an E-Mail

A null dereference occurred.

This has been fixed by adding null guard & improved logging behavior to provide mail information in order to identify the mail later on.

35243 Windows clients get "wrong parameter" when connecting a drive via WebDAV

A previous bugfix lead to a wrong changing date being inserted for the parent folder upon deletion of a subfolder via the WebDAV interface. This wrong changing date causes problems with the built-in WebDAV client of the Windows operating system.

35255 Severe CPU usage when attachments have content type text/html

The file extensions was not considered in case a mail part claims to hold HTML by "Content-Type" header.

This has been fixed by applying sanitizing to binary content (e.g. from a PDF file) that are meant to only work for HTML content lead to heavy CPU utilization.

35261 Dovecot error: login client: Session ID too long

Open-Xchange uses a wrong/inappropriate identifier for the session identifier passed as client parameter to IMAP server when a new IMAP session is initiated.

The wording "x-session-id" has been changed to "x-session-ext-id".

35277 Mails disappear when saved as draft

Msgref was referencing original mail when saved as draft, gets reseted now.

35285 Contact image does not show up immediately when set

Missing api-update event when picture upload is ready.

This has been fixed by adding this missing api-update event.

35286 Word wrap within task description is not displayed correctly

using correct CSS Styles.

35291 Link in signature get a slash added on saving

When generating conform/well-formed HTML content forbidden end tags were not honored; e.g.

"" got converted to "".

35303 E-Mail notifications for deleted appointment on shared calendar even it is turned off

Improved the user settings.

35304 Exception of type DBP-0012 with message "Connection used for 2542 milliseconds." logged

Missing index on table 'context_server2db_pool' for columns "write_db_pool.lid" and "db_schema".

35316 E-Mails can not be read if file storage not available

Ignore possible I/O and/or socket errors while loading filestorage accesses.

35322 E-Mail date search for one day has the wrong hours and minutes set

Use correct timestamp for calculation.

35324 E-Mail message cannot be displayed in appsuite

The regular expression to replace the <body>section in an HTML snippet/content with <div>tags in order to be displayed embedded might lead to excessive calculation inside the 'java.util.regex.Pattern' in the Java JVM

This has been fixed by bypassing that regular expression based modification through utilizing an appropriate HTML parser for that job.

35356 <Right>key doesn't work

Cursor right implies using the selected value, so the input field gets changed and the default behavior is prevented, i.e. cursor movement.

We no longer prevent the default behavior if the field value doesn't change.

35359 Module mail, action all ignores limit parameter if unseen is given

All messages from a mailbox are retrieved to apply a filter to returned result set.

This has been fixed by filtering the messages through constructing an appropriate search term.

Thus the utilized MAL implementation is able to serve that call according to its capabilities/possibilities.

35373 ACC-0004 Categories=ERROR Message='A SQL error occurred: Cannot add or update a child row: a foreign key constraint fails

An attempt was performed to add transport properties to database although required transport data were not inserted before.

35379 Language in menu is English regardless of the global language setting

Fixed by updating the needed grunt modules.

35393 Tooltip shows wrong number of files in Drive folder

In case custom storage backends are used, the amount of files per folders may be incorrectly displayed. This has been solved by accessing the correct data pool to get this information.

35401 USM error on getting resource from Server, "Attachment could not be found in folder"

Possibly nested RTF attachments were ignored when retrieving a TNEF attachment using non-structured get. That RTF attachments was not ignored using action=get_structure. This lead to wrong sequence number accounting: The identifier "2" referred to "application/pdf" attachment for the one, and to "application/rtf" part for the other.

35408 cache.cff includes new UserPermissionBits settings with an additional "\n" at the end

Wrong post install script for adding UserPermissionBits.

This has been fixed by correcting post install script for adding UserPermissionBits cache region to cache.ccf configuration file.

35411 Rejected recipients did not get displayed in the error message

The handling for exceptions of type javax.mail.SendFailedException was changed with 7.6.1. Unfortunately the detailed information about for which addresses the sending failed got lost.

This has been fixed by keeping the addresses if they are contained in the less concrete exception instance.

35413 Formlogin broken in 7.6.2 oxcs-auth bundle

Form login was enhanced to look-up already existing sessions That look-up attempt missed to provide "headers" and "cookies" attributes.

35422 z-index-error in "Tasks"

When creating a new task and switching to expanded view, clicking on the links for the day of repetition triggers errors with overlapping elements. This has been solved by removing legacy code.

35426 com.openexchange.sessiond.remoteParameterNames doesn't work

Support POJOs for remotely distributed parameter values, not only java.lang.String.

35429 Malformed E-Mail message blocks OLOX2 synchronisation

USM extends OX backend call get-mail-attachment with new parameter from_structure=true.

35430 Listcontext with a search pattern not working as expected

The pattern supplied via the -s parameter contains alphanumeric characters. The entire pattern is being used with the query 'SELECT cid FROM context WHERE cid = ?'. Since the cid is an integer field, MySQL is converting the pattern to an integer, meaning only the digits from the alphanumeric are retained, and returns erroneous results.

Solution: Do not query by 'cid' if the sqlPattern is not a number.

35454 OX6 and firefox on windows only: "Insert image" mask should be by default larger

Translation moves fields out of the view-port.

35455 Appointment gets deleted within OL, but not on the server

USM was not generating new syncid for the destination folder for pim folders other than mail on moving objects.

35467 Folder not found

Fixed USM String transformation error of Email tempid.

35468 USM error: unparseable reply or missing field

Extended the list of User-Agents for which no 102 Processing response will be returned.

35470 Creating subfolders under IMAP public folders not possible

Wrong check if parent folder is a public PIM folder.

Solution: Fixed check whether parent folder is a public PIM folder.

35483 Faulty debian/control file in readerengine-pdf2svg

Fixed packaging information.

35501 AppSuite showing parts of the Text and Spreadsheets buttons, which should not be visible at all

Ignore apps that cannot be resolved.

35502 Mail attachments are fully uploaded prior to checking their size

When adding mail attachments that exceed the configured size for file uploads and the client did not pre-validate the file-size, the file has been fully uploaded before rejecting the request. This led to unnecessary resource at the backend since a temporary file gets created, equal to the amount of uploaded data. OX now interrupts the storage process and signals the HTTP status code 413 during the upload process to propose the client to stop uploading data. Most clients will not respond to this status and continue to upload data. However, this data is not temporarily stored anymore at the OX backend.

35516 Dropbox/Box/Google widgets not working

Improved error handling to orderly signal the error as given by OAuth provider.

35525 When no contact in folder, exporting folder should prompt users then quit exporting contacts not exporting empty file

There was no verification if a folder holds data.

35526 When import contacts/tasks/events, selected upload file does not show in import dialog

Add missing label after button.

35533 Inconsistency when editing tasks dates

Refactor datepicker for appointment and tasks.

35540 com.openexchange.push.imapidle.locking.HzImapIdleClusterLock.acquireLock even if com.openexchange.push.imapidle.clusterLock=db

Fixed property names when reading IMAP-IDLE configuration.

35542 A new OX user without any subscribed mail folder is not able to subscribe a public mail folder

Reverted changes performed for another bug to restore proper subscription dialog in OX6 UI.

35573 Checkboxes in "create appt" are too big

Assign new bootstrap classes.

35579 Messages selected shown for contacts/tasks

Changed wording from messages to items.

35591 Words are overlapped after increasing font size

Line-height is now adapting to text size instead of a fixed line-height.

35596 All groupware nodes crashed after messages about exceeding DB connections

The HTML sanitizer gets called unnecessarily for binary content due to wrong conditional expression that checks for possible HTML content.

35597 High CPU-load at "org.apache.batik.bridge.BridgeException: null:-1"

The resource consuming Batik framework is not used at all anymore.

35599 Undescriptive Error message when sending mail and attachment was moved away or deleted

The browser can not detect whether a local file has been deleted after it has been selected as attachment.

35601 Drive: upload files to "Deleted files" is possible via drag&drop

Consider current folder to decide enabling/disabling dnd.

35610 Appointment still confirmed for participant when series exception is created

Added reset to default value for participant confirmations.

35611 Broken file name encoding of attachments in E-Mails created by webui

Explicitly specify header encoding when parsing multipart/form-upload requests with Apache File-Upload.

35612 Long GC pauses + high amount of DB connections and CPU usage after update to 7.6.0 Rev. 30

The HTML sanitizer gets called unnecessarily for binary content due to wrong conditional expression that checks for possible HTML content.

35630 Wrong URL-encoding in Twitter confirmation mail

During look-up for possibly harmful <script>tags double URL-encoded entities were decoded, but not restored.

35632 POP3 must not be selectable if POP3 bundle is not running

Selectionbox does only contain imap if pop3 support is disabled. The box is also shown as disabled (makes no sense to edit a selectionbox with only one item in it). Existing pop3 accounts are still displayed correctly as pop3, to keep the settings consistent.

This has been fixed by removing pop3 option from selection box.

35638 "Reject with reason" available to users even if backend is not capable

A check for supported actions was implemented. Only these are displayed to the user.

35639 Downloading more than 1 E-Mail as one zipped file can fill up /var/spool/open-xchange/uploads/.OX

ZIP file was generated through storing its data in a temp. File, has been changed to write directly to stream (if possible).

35641 'Duplicate transport account for user x in context yz' at RdbMailAccountStorage.updateMailAccount

The check for a duplicate transport account fields false positives in case transport server credentials are supposed to be taken from the mail settings.

Solution: Do not perform check for duplicate transport account in case transport server credentials are supposed to be taken from the mail settings. The preceding duplicate check for mail account is sufficient then.

35645 HTML parser complains about content being too big

Bypass the check against "com.openexchange.html.maxLength" property in case the "max_size" URL parameter is available.

35662 Typo in E-Mail INBOX Portal Widget "Wollkommen" instead of "Willkommen"

Fixed typo.

35666 Login-Screen only German

en_US.po was not updated and en_US translation file not built.

35682 Id error on selecting conversation

Added new "draggable" option; false by default. Mail app sets "draggable: true"

35685 Body of a mail cannot be displayed - only white page

Strange style sheet expression in <body>tag's attributes breaks HTML parsing, thus not recognizing the starting <body>tag. Moreover the <center>tag was missing in the whitelist.properties file.

35687 Appointment in shared folder can only be rescheduled once

Connector ignored exception sequences coming in downsync, and did not update sequences on changes.

35688 Exception ID not logged

Add ID to stacktrace.

35693 High CPU-Load after update to 7.6.0-32

The HTML sanitizer gets called unnecessarily for binary content due to wrong conditional expression that checks for possible HTML content. Sucking that binary content as UTF-8 interpreted string into memory and in turn applying calculation-intensive sanitizing operation to that string troubles both - Java Garbage Collector and CPU.

Solution: Fixed conditional expression to check for possible HTML content.

35695 Linked contacts from different folders cannot be displayed

Programmatically selecting a folder acts a little bit different, old selections were not removed triggerChange in selection used first found marked folder (css selector on class 'selected') this caused opening the first folder in the list (top down order) that where marked as selected.

35696 Mails exported as zip contain reserved characters

Only the slash '/' and the backslash '\' characters were being considered as reserved filename characters. Replace all reserved filename characters with '_' now.

35698 EMIG popup partly English

Remove fuzzy flags for strings that are not fuzzy anymore due to a bugfix in string extraction library.

35699 Missing dependencies in readerengine packages

Packages are not needed at all. Removed them.

35700 No default address book setting in App Suite UI

Missing default value in contact settings model.

35702 All "get started" links in portal widgets navigate to mail

UI offers link even if URL is not configured at all.

Solution: If the URL is missing, the widget shows its specific "empty" message.

35705 Recurring appointment exception changed in Outlook gets ignored by backend

Connector ignored exception sequences coming in downsync, and did not update sequences on changes.

35714 Not possible to print List view of calendar entries

There was a missing switch to listview print function and the link was not disabled when selection is empty.

35727 Widgets are showing different colors depending of load-order of css rules

Missing css namespace for all social widgets.

35728 Drive App Widget visible in Portal for users without Drive capability

The "infostore" permission was used to determine whether to display the drive client download link. Now, we're checking for the "drive" permission.

35733 CIFS Filestore not visible in classic folder tree view

Do properly list existing (external) file storage accounts below "InfoStore" folder.

35735 File appsuite/src/browser.js is missing

This file had only been made available through boot.js. Since we defined it as public API and this is obviously being used, we need to export it as standalone, too. Adding a task to copy:build.static, so this file is made available, again.

35737 Document converter with loadbalancer

Create a new HttpSession only in order to do proper JSESSIONID handling for stateful begin/get/end call cycles.

35746 E-Mail deleted on draft creation

Only delete referenced original message if a draft-edit operation takes place.

35747 Wrong search criteria for searching in Drive: File content

Fixed documentation.

35750 Possible mix up of IMAP sessions during Gatling Load Tests

The IMAP LIST/LSUB cache has not been orderly invalidated on remote nodes in the same cluster. Leading to the client assuming non-existing folders.

Solution: Several improvements related to cache events and fix for aggregated cache events.

35755 Internet Explorer 10/11: No spacing in the text when posted into App Suite

Tags containing a single space were removed on pasting.

35759 An unexpected error 0x800d0002 occurred when accessing the Open-Xchange server via Outlook

Fixed in the meantime.

35763 Editing contacts a 2nd time not working

Caused by a timing issue as the windows object has not been initialized and calling win.focus failed with a JS error.

35764 Transforming EAS/USM commands clears 'ignore list' for requestwatcher

Global StringTransformer cleans provided set with the commands that should be ignored.

This has been fixed by creating one Transformer per transform process and copy original set to a local one that will be transformed.

35783 Windows Phone 8.1: Mail Attachments can not be downloaded

ItemOperations with FileReference and Multipart response was not implemented.

35784 Class file.storage.CURRENT_VERSION returns String "null"

Check for that special "...&version=null" URL parameter and interpret it as NULL.

35794 Standard IMAP folders can not be shared

An attempt to un-subscribe a standard folder has been quit with an error. Simply ignore an attempt to un-subscribe a standard folder.

35799 MSG-0049 Categories=USER.INPUT Message=Attachment not found inside mail

MIME messages generated by Apple Mail are pre-processed to have a consistent multipart structure. That pre-processing might involve to re-arrange attachment positions. That possible re-arrangement is not honored when requesting a certain attachment by its position later on.

35806 Birthday portal widget counts days backwards for next-year birthdays

UI calculates the days until birthday by using a timestamp that is always set in the current year. If the birthday would be in the past we use the correct next years birthday now.

35821 Text not translated in Guided Tour for the settings area

Fixed translation.

35862 Vacation calendar only up to 2014

It was not possible to select a year in the future with the datepicker.

35863 UI freezes when clicking directly on attachment name using an iPad

The UI just injected an overlay to allow fixed positioning for those drop-downs. No freeze, but the UI was unreachable below that overlay. Collided with Bootstrap's own click backdrop for touch devices.

35891 OAuth for Box.com and Dropbox should not be activated as default

Disabled various OAuth bundles by default through setting associated "com.openexchange.oauth.<provider-name>" properties to "false"

35895 Message format default changes with update to 7.6.1

An upgrade from App Suite (any version) to version 7.6.1 causes a change of the default behavior for all users who haven't had "plain text only" message format configured before which is expected to cause high support load and seems to be undesired in general.

Solution: The message format is set to "BOTH" by default on user creation, which reflects to transfer message content in HTML and alternative plain text version. Moreover the update task "com.openexchange.groupware.update.tasks.CheckForPresetMessageFormatInJSlob" is introduced that checks for possibly preset message format preference in JSlob and align the DB value accordingly.

There is no possibility to restore previous settings once this bug becomes effective.

35899 E-Mail with TNEF attachment (winmail.dat) breaks Oxtender sync "Attachment 5 not found inside mail 527 of mail folder INBOX"

Possibly nested RTF attachments were ignored when retrieving a TNEF attachment using non-structured get. That RTF attachments was not ignored using action=get_structure. This lead to wrong sequence number accounting: The identifier "2" referred to "application/pdf" attachment for the one, and to "application/rtf" part for the other.

Consistent parsing of TNEF attachments through proper handling of possible RTF part inside TNEF attachments to keep sequence identifiers in sync.

35900 iPhone Versions greater 4 could not be identified

Structure of deviceId changed from "Appl"<someCharacters>to <someCharacters>

35905 Error with LinkedIn widget without account

Check if keychain contains proper account when "load" is called; leave function if there is no account.

35906 Inconsistent social media portal widgets design/layout

Icons were not replaced on adding account.

This has been fixed by replacing icon by widget name when account is added.

35909 Deleting a Facebook account results in error message "Account not found with identifier ..."

There was no yell but the widget still showed outdated data, redraw listened to delete event.

Solution: Redraw does not listen to delete event anymore, widget will show setup when account is deleted.

35920 Portal plugin configuration not possible/unstable

The changeable section of a widget declaration didn't impact whether a widget was marked as draggable nor whether an update to the index was actually allowed.

Solution: In addition to marking a widget as protected or not, introduced the attribute "draggable" in the model to mark a widget that can be reordered. Updated the rendering logic to add the proper css class.

35929 Incorrect Polish translation in App Suite and in OX 6.22 GUI for "Sent Objects"

Fix backend translation.

35933 Possible to subscribe multiple times to shared folders

Added check for duplicate subscription for microformat subscription source.

35939 Slideshow function doesn't work in Address Book, Tasks and Calendar.

Used wrong config param for slideshow check.

35940 Checkbox and checkbox icon misaligned

Looks like IE has a different vertical alignment. Simple CSS fix; this fixes the vertical position of the "Select all" checkbox.

35946 Sometimes broken attachments and wrong encoding when sending E-Mails

File uploads marked to have "multipart/octet-stream" as MIME type gets corrupted when attaching to composed message as they are assumed to hold multipart data, but do contain binary content. Consider "multipart/octet-stream" alongside with "application/octet-stream" MIME type for E-Mail attachments and do detect appropriate MIME type by file name instead.

35948 Error while changing settings for outgoing server for an external email account like Gmail

Missing check for a valid prepared SQL statement prior to attempting to execute it.
Solution: Check for a valid prepared SQL statement prior to attempting to execute it.

35952 Address containing <> in signature does not display part in <> if mail is set to text only

Use better filtering of signature code, which might be HTML or not.

35953 The same widget can be added to portal setting

Mail widget is no longer unique as it supports different mail accounts.

35954 E-Mail counter indicates new mail but no E-Mails are shown

IMAP server in question returned an invalid BODYSTRUCTURE item in queried FETCH response leading to a ParseException being thrown, which in turn gets silently swallowed by JavaMail library. Hence the whole FETCH response for affected message is completely discarded.
Solution: Deal with corrupt BODYSTRUCTURE items in IMAP FETCH response that contain empty multipart sections.

35977 Some E-Mails are not moved from SPAM folder to INBOX after mark as "No Spam"

Handle possible "MSG-0049" error code when marking a message as ham and consider the message itself to be the ham content.

35981 Outlook 2013 does not sync all mails

Fixed USM String transformation error of Email tempid.

35985 Generic error message on IMAP INUSE instead of meaningful one

Changed error message's wording according to customer demand "The mailbox on mail server %1\$s for login %2\$s is already in use by one of your other processes or clients. Please try again later."

35987 Long running download thread

DownloadData with Offset was trapped in an endless loop. The skip Stream Logic was corrected.

35992 Different types of com.mysql.jdbc.exceptions.jdbc4.MySQLIntegrityConstraintViolationException in logfiles

External participant backups in a del_task_eparticipant table without email address and display name do not make any sense. Both attributes are the only relevant data for external participants. Solution description: Therefore it is just easier to drop external participants completely on a delete request instead keeping an empty line in a table. All data is now dropped from table del_task_eparticipant in an update task.

36004 Searching for tasks shows results with raw epoch date as end date

Task data was passed directly to the render method, without interpreting it first.

36010 Exporting a tasks folder leads to server error with yearly occurring tasks

Server did not load recurrence fields for Tasks on export.

36011 Wrong due dates in tasks edit window

Task was mistakenly recognized as an appointment.

36012 Not possible to change the time of task reminder

Task was mistakenly recognized as an appointment.

36028 Mail does not get parsed correctly, empty body in OX6, parts missing in App Suite UI

Weird attributes in start tags alongside with whitelist.properties missing grant for <center>tag break HTML parsing.

36031 Tasks: Advanced filter with duplicated folders

Add module check.

36033 E-Mail: Subject text in subject field is very dark in IE browser compared to Chrome browser

Added missing special css rule for placeholder in IE.

36034 E-Mail Subfolder position is inconsistent

Popups used a simplified version, also show "My folders" and no folders below INBOX now.

36035 Click on 'Accept changes' button on 'Appointment changed' notification will change current user's status to accepted

Don't override confirmation status on external invitation update.

36036 Can't select search option in Mail/Calendar/Address Book on IE 11

We only listened for 'click' event.

36039 Task name does not get changed in notification area after changing it

Reminders did not listen to update event.

This has been fixed by adding event listener for this event.

36040 "Remind me again" does not work for appointments

Fixed wrong if statement for calendar alarm.

36046 Changing due date of the task from Portal does not affect in Task module

Task was mistakenly recognized as an appointment.

36048 No error message when sharing a folder with webmail user

Server error was not forwarded by UI.

This has been fixed by displaying error when receive one from the server.

36058 Notification display duplicate tasks

Fixed in the meantime.

36072 Incorrect "soft line breaks" in header

White spaces between encoded words were not ignored.

This has been fixed by ignoring whitespaces between encoded words as per RFC 2047.

36074 Unclear error message while importing existing appointments

Runtime error; UI failed to show a detailed list. Therefore, just showing a fallback message.

36075 Active sync broken on Windows Mobile after accepting a previously modified invitation

Windows 8.1 mobile devices send sync with wait option. Explicit (manual) sync's increment the synchronization Timestamps. As a result the parallel waiting sync uses too "old" synchronization Timestamps and the error "invalid sync key" is emitted.

This has been fixed by discarding the results of the waiting sync in favour of the explicit (manual) sync.

36076 Adding a mov file on an iOS device ends up with a 0 byte attachment

Server responded with "Accept-Ranges: none" header in case of mail file attachment download requests. Unfortunately, iOS Safari requires the "Range" capability in order to play media content.

Determine mail file attachment's real/exact size to be able to set "Accept-Ranges: bytes" header signaling proper support for "Range" capability.

36086 The "color coded lines" option is not working after customization/theming

Changed theme variable to hardcoded default theme string.

36087 Multiple vcard attachments: Only first gets imported

Only activate VCard action for exactly one item.

36107 Task with participants is not shown in the tasks-widget

Changed unclear naming of portal widget.

36108 Active sync: Disappearing notes in repeating appointment

Since EAS 12.0 element Body in exception is a complex element (Type,Data). The logic has been adapted accordingly.

36109 Recurring appointment exception created in Outlook gets ignored by backend

USM was ignoring new created exceptions to a series if the client creates more than one exception in one call.

36124 Portal Quota-Widget only updates when login

The portal widget do not update instantly but one after the other from left to right and top to bottom, so the old quota may be shown until its this widgets turn to refresh.

36127 Mail with bigger attachment than configured blocks complete sync of mail folder using OXtender

Fixed USM String transformation error of Email tempid.

36141 Formlogin fails for mail domains with an umlaut when using IDN format

Missing URL-encoding when composing the redirect URI on form-login.

This has been fixed by doing proper url-encoding in composed redirect URI.

36153 Tablet-View on a desktop computer with Win 8.1 - no signature available and so on

Fixed in the meantime.

36155 A vertical dotted line appears on the right next to the E-Mail body text area

This was caused by code remnants for a print margin that is not used anymore.

36212 Contacts/Tasks: Only one attachment is getting downloaded when clicking 'Download' option of 'All attachments' menu

Browsers can not handle multiple downloads at once in a generalized way. Therefore removed the possibility to download multiple files at once.

36220 Not all recurrence sentences consider localized first day of the week

Duplicate code for same purpose, only one case already considered first day of the week.

36224 Folders not get deleted in WebUI

Refresh did not reload flat views (action: allVisible).

36228 E-Mail address instead of account name shows in appointment invitation E-Mail

The user cache was not invalidated after user update.

36262 update-themes.sh fails if definitions.less is completely empty (0 byte)

Empty files have been handled as non-existent.

This has been fixed by explicitly allow empty less files.

36269 OX6 Setup-Assistent lacks support for Google and Xing OAuth

Replaced Xing user/password wizard with oauth. Rewritten Google and Xing tab to combine user/password and oauth.

36275 Fullwidth CJK punctuational character getting autoconverted to halfwidth

String normalization has been applied for complete message content, but possible IDN homographical attacks do only cover URL sections/parts.

Solution: Only apply string normalizing to URL sections to prevent from IDN homographical attacks.

36288 Send mail to all participants option skips mail domain part

E-mail addresses of other users in the context were intentionally hidden from other users in the context if the global address book can't be accessed.

Solution: Don't hide "email1" property, even if the global address book permissions are limited.

36307 MSN contacts gets duplicated after editing

Fixed in the meantime.

36316 ZIP attachments generated on a MAC cannot be opened within Outlook

The MIME structure for a "fixed" message was missed to be orderly saved.

36317 After changing of Google OAuth-apiKey the Google functionality gets deactivated for the enduser

The reauthorize JSON call was missing the 'auth_url' parameter and was silently failing.

36320 Content-Transfer-Encoding: base64<SPACE>

Failed to detect proper transfer-encoding in case "Content-Transfer-Encoding" header contains trailing white-spaces. Improved detection of transfer-encoding from a message part.

36321 Accepting changes for appointments not working

A bug in ical4j library led to bad timestamps. Replaced library by a new version (1.0.6).

36333 Malformed E-Mail message blocks OLOX2 synchronisation

In case a garbage collector run has been executed by the JVM while reading mail content, that content could get corrupted and subsequently lead to synchronization issues with Outlook. The solution ensures that file resources are kept open, to survive GC runs, when reading MIME data.

36356 Not all folders shown in folder tree

Fixed namespace detection.

36420 Update sets OAuth settings to false

Removed the post installation scripts to change properties defaults.

36472 Time field for 'reminder date' missing when editing a task.

Task was mistakenly recognized as an appointment.

36474 Trash-calendar/deleted appointments cannot be deleted

Possible leftovers in virtual tree table in case a database folder gets deleted.

Solution: Ensured clean-up from virtual folder tables.

36484 Login using "formlogin" doesn't work after changing IP address of client

The form login has been enhanced to lookup and re-use an existing session via cookies in case auto-login is enabled. If an existing session was found, but the client IP address had changed in the meantime and the "IP check" is enabled in the backend, this led to the form login request being aborted with an exception.

Solution: In case of a negative IP check, invalidate the previous session and continue with the form-login procedure.

36512 PIM user sees settings for the Task module which are only relevant with other participants

The "Tasks" area at "Settings" just contains options relevant for users with the permission to add participants to tasks. Those are now hidden in case the user lacks this permissions.

36513 Create task page shows participants section even if no participants can be added due to permissions

While not having permissions to create objects with participants, the tasks dialog offered an interface to add participants. This has been corrected by removing those frontend elements while not having the corresponding permissions.

36515 Folder view option within view dropdown in calendar module is not checked while it's enabled

While showing folders at the calendar app is enabled, this status has not been reflected to the "View" dropdown list. This has been solved by showing "View folders" as enabled if this is the case.

36529 Pictures in Wizard are not displayed with IE11

styleSheet is no longer supported in Edge document mode for Internet Explorer 11. We can use the regular createTextNode to apply the node to the document.

36531 Un-clicking all day creates a two day appointment

When disabling the "all-day" checkbox within the new/edit appointment dialog, the appointments end date has been changed by plus one day, effectively creating a two-day appointment. This has been solved by keeping the start and end date at the original date.

36532 Publication links are not recognized and cannot be subscribed from within the mail presentation

When receiving E-Mails containing OX Publications, the mail dialog did not offer a simple way to subscribe the publication. This has been solved by reacting to inline publications and offering quick "subscribe" buttons within the E-Mail app.

36542 Reminder not set when accepting appointments on mail view

When accepting a appointment invitation directly at the E-Mail app and keeping the default reminder, the displayed reminder time was not taken over to the appointment. This has been solved by also setting the default reminder time.

36566 Replacement of foldertree-selected-focus-background doesn't work in definitions.less

For some reason, the complete path to the theme that is currently being compiled, needs to be added to the less configuration. This is not needed when using the node version of lesscss, but the rhino version.

36602 mail composer: no cursor shown in html mode

When clicking the E-Mail composer, the cursor is not shown prior to typing. This affected Google Chrome and has been solved by working around a browser bug.

36605 Unified mail: Forward from draft folder not working

Wrong message reference has been set when doing a forward from Unified Mail Drafts folder.

36610 Tasks not displayed in Appsuite-UI

Some tasks of a customer have status=null which is not expected by the UI. As a side-effect, the task data is processed twice which causes the runtime error.

36627 French only: Recurring day and specific end date can not be set for appointment series

Fixed/changed translation.

36658 Slow SQL and OX Performance, increasing MySQL Threads after update

In some setups, a previous bugfix introduced issues with excessive creation of Hazelcast events caused by superfluous PUTs into IMAP-IDLE-controlled cache map and redundant folder invalidation events. As a solution, a more sophisticated check has been implemented if touching acquired IMAP-IDLE locks is necessary. This avoids excessive event creation.

In addition, the configuration for the Hazelcast map in question has been aligned to this use-case. Moreover, several improvements have been performed to reduce the number of fired events and the size for each event.

36666 Some Mails get automatically marked as read

Message attachments are accessed in the background, silently marking associated message as seen.

Solution: Allow "unseen=1" parameter for /ajax/mail?action=attachment call to leave the associated message as unseen.

36688 Automatic attachment publishing seems broken

When a E-Mail exceeds a configurable size limit, it's attachment is added to OX Drive and published from there, rather than being sent as E-Mail attachment. This functionality did not work correctly if a incoming POST request containing multipart for file uploads has been sent by the client without specifying a size. Such requests are now accepted in case the corresponding feature "publish-on-exceeded-quota" is enabled.

36706 Polish (and maybe also other) umlauts not preserved for attachment names

Explicitly specify header encoding when parsing multipart/form-upload requests with Apache File-Upload.

36714 Refresh social widget if account was added in settings

Social widgets are now updated whenever a corresponding account is added.

36715 Prolonging a full day appointment via mouse does not work correctly

Missing parse function in resize-direction-detection.

36725 Move mail drop-down dialogue only shows default folders

Fixed due to another fix.

36728 No move option for My Folders

Fixed due to another fix.

36729 String index out of range at java.lang.String.charAt - prepareParameterizedHeader

Possible runtime error while trying to prepare a parameterized header.

Solution: Safe preparation of a parameterized header and added handling for unexpected runtime errors.

36733 Drive folder shown in Trash folder after it was deleted

Respond to remove and clear events properly and reset/update related trash folders.

36736 Calendar search results disappear

The registered change listeners were not specific enough.

36755 Changes to the LinkedIn Developer Program

Moved LinkedIn bundles into their own package.

36779 [nl] translation issues with 7.6.1

Changed some translations.

36789 MS Live inconsistencies in setup

Fixed matching of subscription sources which used the display name instead of the service id.

36830 groupware nodes crashing after updating to 7.6.1

Same cause as bug #36658.

36835 Unified mail activation error

An attempt was performed to add transport properties to database although required transport data were not inserted before.

36838 Folder icons in My Folders

Added a missing option param for some kinds of folderviews based on the 'feature/folderIcons' setting.

36860 Searching in the file description or in file content will show all files

The "Find" module did not consider the search capabilities of the underlying file storage and always triggered an advanced search.

Solution: Perform simple search if no search term is supported by storage.

36866 Strange behaviour by responding on E-Mails with iso-8859-1 encoded first name of email sender

Added proper address header parsing in case of mail-safe encoded personal w/o quotes.

36868 Transaction counter is missing for context

Removed the fix for another bug which disabled tolerance and fallback for missing replication monitor transaction on the slave.

36941 Halo view empty without GAB permissions

Added check for the gab capability.

36943 iOS emoticon causes database exception

MySQL's "utf8" charset is only capable of storing 3-byte characters; trying to save strings that contain characters with code points above U+010000 (requiring more than three bytes) fails.

Solution: Introduced special handling for situations when a string could not be stored successfully by MySQL, i.e. respond with a comprehensive error message for the end user, or handle the error in non-interactive synchronizations gracefully.

36946 Permissions popup cannot be closed

Fixed in the meantime.

36969 Not possible to add a working logger for a dedicated context or session using logconf

Include session information (sessionId, contextId and userId) to all relevant servlets. Remove filter artifacts. Correctly assert the filter rule.

36975 Only short part of E-Mail displayed

The regular expressions to parse the content (e.g. link recognition) had a flaw with newlines. In some case the content before a match was dropped.

36984 Account recovery at login is not displayed anymore

Reactivated the oauth check in startup process.

37017 INBOX and RSS widgets are displayed on wrong position after initially been added
Don't prepend but append new widgets.

37021 Facebook contact import only covers people related to the operator of App Suite
Facebook changed their API or especially in this case the returned results of their API. It only returns those of your Facebook contacts that use the same Facebook App. Most of your contacts are not using Open-Xchange with Facebook integration. Therefore the returned contacts list is very small.
Solution: We decided to completely remove the Facebook contact subscribe feature.

37025 Importing vCards wrapped in Outlook 'winmail.dat' attachment does not work
winmail.dat needs special handling at the client-side; this case didn't set a special attribute, therefore we get a runtime error.

37049 OK button for tasks notification are not well aligned
Added wrapper div so 'float right' functions as intended.

37082 HTML signature gets displayed differently in App Suite
Add another special CSS rule for attribute-based alignment.;

4 Changes relevant for Administrators

4.1 Changes of Configuration Files

Change #2377 Added new properties `permission` to `permission.properties`
The new properties allow the customer to disable the text and the spreadsheet portals, without disabling the text and spreadsheet functionality: http://oxpedia.org/wiki/index.php?title=AppSuite:Text_Installation_Guide#Permissions.

Change #2224 New property: `com.openexchange.webdav.recursiveMarshallingLimit`
This change has already been performed with 7.6.0. To protect from potential very large WebDAV responses when marshalling an unusual amount of elements, the following property is introduced to `server.properties`: `com.openexchange.webdav.recursiveMarshallingLimit` (default: 250000).

Change #2235 Properties for login rate limiting
Added the following properties to `login.properties` file:

`com.openexchange.ajax.login.maxRate` specifies the rate limit that applies to incoming login requests. A client that exceeds that limit will receive a "429 Too Many Requests" HTTP error code. However, the precondition that a rate limit is applied to a login request is that a preceding login attempt failed due to invalid credentials. Once a successful login is performed, rate limit boundaries are dropped (but of course generic rate limit still applies). Default is 50.

`com.openexchange.ajax.login.maxRateTimeWindow` specifies the rate limit time window in which to track incoming login requests. The rate limit acts like a sliding window time frame; meaning that it considers only requests that fit into time windows from current time stamp:

```
window-end := $now
window-start := $window-end - $maxRateTimeWindow
```

Default value is 300000 (5 minutes).

Change #2444 Added update task to `excludedupdatetasks.properties`
Added update task `com.openexchange.groupware.update.tasks.DeleteFacebookContactSubscriptionRemnantsTask` to `excludedupdatetasks.properties`.

Change #2243 Restored previous default value for `com.openexchange.servlet.maxRate` **prop-**

erty

Restored previous default value for `com.openexchange.servlet.maxRate` property at `server.properties`, from 500 back to 1500 to avoid influence on normal usage.

Change #2245 Added possibility to have a distributed token-session container

Customers wants to use TokenLogin with an OX cluster where the load-balancer does not implement JSESSIONID suffix based session routing. The file `sessiond.properties` has been enhanced by the `com.openexchange.sessiond.useDistributedTokenSessions` property which controls whether local or distributed token-sessions are supposed to be managed. Default is `false` (local-only).

Moreover the `com.openexchange.sessiond` bundle has been extended by the additional `serverTokenHz.properties` configuration file located at the `hazelcast` configuration sub-directory. This file carries the needed configuration for the associated Hazelcast map.

Change #2249 Property for ignoring USM requests to be tracked by the RequestWatcher

Added the following property to `requestwatcher.properties` file to be able to define a set of calls that should be ignored by the RequestWatcher: `com.openexchange.requestwatcher.usm.ignore.path` (Default: `/syncUpdate`).

Change #2250 Property for ignoring EAS requests to be tracked by the RequestWatcher

Added the following property to `requestwatcher.properties` file to be able to define a set of EAS commands that should be ignored by the RequestWatcher: `com.openexchange.requestwatcher.eas.ignore.cmd` (Default: `sync, ping`).

Change #2260 Changed default for `documentconverter.properties` property `com.openexchange.documentconverter.enableCacheLookup` to `true`

Enable enhanced throughput for documentconverter by default. Setting this property value to `true` enables the initial cache only lookup for the backend when using the `OfficePreviewService` implementation to get very fast access to a cached result without triggering a new conversion.

Change #2261 Changed default for `documentconverter.properties` property `com.openexchange.documentconverter.com.openexchange.documentconverter.errorCacheTimeoutSeconds` to 600

This change enables the usage of the error cache by default. The timeout of 600s is sufficient to handle the common use cases for this kind of runtime cache.

Change #2270 Added `<center>` tag to HTML white-list

Added `<center>` tag to HTML white-list.

Change #2275 Disabled various OAuth bundles by default

Disabled various oAuth bundles by default through setting associated `com.openexchange.oauth.<provider-name>.properties` to `false` to avoid expected errors on initial setups, in which appropriate API keys etc. have not been applied. This affects `boxcom`, `copycom`, `dropbox`, `google`, `msliveconnect`, `surdoc` and `xing`.

Change #2287 Added new `documentconverter.properties` item `com.openexchange.documentconverter.errorCacheMaxCycleCount`

This item determines the number of cycles, a job, associated with a job hash value, is added to the error cache. One cycle starts after adding a job to the error cache and ends after the `errorCacheTimeout` has been reached. After reaching the given maximum cycle count, the job is not removed from the error cache anymore and will be held within the error cache for the rest of the runtime of the current backend instance. Since the error cache is not persistent, the cycle counter for each job hash is reset after a restart of the backend instance. Set to 0 to disable the error cache handling. Default value is 5.

Change #2297 Added option to also specify an optional `.pem` file

Added the property `com.openexchange.mobile.configuration.generator.PemFile` to `eas-provisioning.properties` file that specifies the `-certfile` argument for the OpenSSL call.

Change #2323 Fixed typo in the name for the standard folder in en_GB

Fixed typo in the name for the standard folder in en_GB held in `AdminUser.properties` file. `SENT_MAILFOLDER_EN_GB` (Default: Sent Mail).

Change #2326 Configuration of the toolset for moving database schemas

Disabling contexts requires that a certain reason, specified by a unique integer identifier, is stored within the context table. The concrete identifier must be configurable, because reason identifiers can be specified by operators on their own and therefore conflict with our default value.

If `disableSchema` is called, all currently enabled contexts are deactivated with the configured reason identifier. When `enableSchema` is called afterwards only those contexts in the given schema are enabled, which have the special reason identifier set. This is needed to preserve the deactivation contexts due to other reasons. Therefore the file `plugin/hosting.properties` was extended, to allow adjustment of this identifier: `SCHEMA_MOVE_MAINTENANCE_REASON` (Default: 1431655765).

Change #2335 Enhanced `ox-scriptconf.sh` by `-Dlogback.threadlocal.put.duplicate=false` system property

Logback classic bundle creates a new MDC map whenever a log property gets put into that MDC map. This causes the request watcher to always point to a very outdated MDC map containing only basic log properties (as available when threads get tracked by request watcher).

Need to patch the contained logback classic bundle to pay respect to `logback.threadlocal.put.duplicate` system property. By default `true` is assumed which refers to previous behavior. If set to `false` no new MDC map instances are created thus request watcher always points to most up-to-date log properties.

Furthermore the file `ox-scriptconf.sh` needs to be enhanced by that system property and sets it to `false`.

Change #2342 Added update task to check for possibly preset message format preference in JSlob and align the DB value accordingly

An upgrade from App Suite (any version) to version 7.6.1 causes a change of the default behavior for all users who haven't had "plain text only" message format configured before which is expected to cause high support load and seems to be undesired in general. Therefore the message format is set to "BOTH" by default on user creation, which reflects to transfer message content in HTML and alternative plain text version. Moreover the update task `com.openexchange.groupware.update.tasks.CheckForPresetMessageFormatInJSlob` is introduced that checks for possibly preset message format preference in JSlob and align the DB value accordingly.

That update task's name is added to `excludedupdatetasks.properties` configuration file.

Change #2344 Dropped `ox.io` remnants from template files

Dropped `ox.io` remnants from template files since `ox.io` system is no more active/reachable. Affected template files:

- `contacts_hcard_censored.tpl`
- `contacts_hcard_uncensored.tpl`
- `contacts_oxmf_censored.tpl`
- `contacts.tpl`

Change #2350 Introduced two new mail properties to confine the size and amount of images in HTML signatures

Support for multiple images in a single HTML signature. The new properties confine the size per image and the amount of total images in one HTML signature. `com.openexchange.mail.signature.maxImageSize` defaults to 1 and `com.openexchange.mail.signature.maxImageLimit` to 3.

Change #2353 New property: `com.openexchange.infostore.trash.retentionDays`

To control the number of days deleted files and folders are kept in the trash folder until they are finally deleted, the property `com.openexchange.infostore.trash.retentionDays` is introduced. Clients are able to get / set the configured value via the preference path `io.ox/files//trashRetentionDays`. The following property is added to the `infostore.properties` configuration file: `com.openexchange.infostore.trash.retentionDays` (Default: -1).

Additionally, a new config file `infostore.yml` is added in the `/meta` configuration subdirectory.

Change #2354 Change description for `ENABLE_INTERNAL_USER_EDIT` **in** `foldercache.properties`

The description for `ENABLE_INTERNAL_USER_EDIT` in the configuration file `foldercache.properties` is wrong regarding the setting only being applied for newly created contexts. This is not / no longer true, since it is evaluated dynamically for exiting contexts as well. This has been changed at the properties description.

Change #2436 Changed year in copyright note

Changed year in copyright note contained in file `as-config-defaults.yml`. Happy 2015.

Change #2442 Allow numeric values inside `background-position` **element**

To allow numeric values inside `background-position` element the `whitelist.properties` file is changed.

Change #2425 Aligned IMAP-IDLE's Hazelcast map configuration to used timeout

Need to align the configuration setting for `max.idle` time for associated Hazelcast map to the IMAP-IDLE timeout to prevent from items being evicted too early.

Hence, property `com.openexchange.hazelcast.configuration.map.maxIdleSeconds` in `hazelcast/imapidle.properties` file is changed from 60 to 660 seconds.

Change #2423 New default memory limit for calc engine worker set to 3GB by default

It may happen that the `calcengine` workers do not start on some machines directly after installation. The main requirements for this to happen are a 64bit Linux operating system, a CPU with more than 2 cores, OpenJDK and some certain versions of `glibc` ≥ 2.10 . This happens for you if a message "OpenJDK 64-Bit Server VM warning: ... error='Cannot allocate memory'" appears in log-file. This is a general problem of OpenJDK itself, that it requires more virtual memory than an Oracle JDK e.g. (see <https://bugs.openjdk.java.net/browse/JDK-8043516> for further information).

We need to increase the allowed maximum memory therefore for a `calcengine` worker from 2G to 3G. Therefore the default of `calcengine.worker.memory.max-mb` in configuration file `calcengine.properties` is changed from 2048 to 3072.

Change #2414 Hint for `deniedportal` **in** `ModuleAccessDefinitions.properties`

While being configurable in the user configuration bitmask, the configuration file `ModuleAccessDefinitions.properties` currently does not list the special "denied portal" flag. The following additional comment line should be added in the "Features" section # `deniedportal` (Permission to turn off portal access).

Change #2389 Added appropriate Hazelcast Map configuration for IMAP-IDLE

Added appropriate `hazelcast/imapidle.properties` Hazelcast Map configuration for IMAP-IDLE.

Change #2393 Made number of run-loops configurable in real-time component

A high number of synchronous operations e.g. persisting documents might lead to timeouts for query actions/stanzas that are still enqueued in the the runloop and wait to be handled.

Hence the value used for number of run-loops needs to be configurable to adjust behavior. Therefore file `realtime.properties` is enhanced by property `com.openexchange.realtime.numberOfRunLoop` (Default: 16).

Change #2379 Allowing HTML <center> tag to HTML whitelist

Adding the HTML center tag to `whitelist.properties`.

4.2 Changes of Database Schema

Change #2341 Check for possibly preset message format preference in JSlob and align the DB value accordingly

An upgrade from App Suite (any version) to version 7.6.1 causes a change of the default behavior for all users who haven't had "plain text only" message format configured before which is expected to cause high support load and seems to be undesired in general.

Therefore the message format is set to "BOTH" ("HTML and plain-text") by default on user creation, which reflects to transfer message content in HTML and alternative plain text version.

Moreover the update task `com.openexchange.groupware.update.tasks.CheckForPresetMessageFormatInJSlob` is introduced that checks for possibly preset message format preference in JSlob and align the DB value accordingly

Change #2427 Update task to add primary key for table `presenceSubscriptions`

In case of an installation of realtime the table `presenceSubscriptions` might be created without a primary key and the already available update task for adding the primary key (`com.openexchange.realtime.presence.subscribe.database.AddPrimaryKeyTask`) is marked as executed.

The update task `com.openexchange.realtime.presence.subscribe.database.AddPrimaryKeyTaskV2` will add the possibly missing primary key. 2431;Added appropriate index to table `context_server2db_pool` for columns `write_db_pool_id` and `db_schema`;Added appropriate index to table `context_server2db_pool` for columns `write_db_pool_id` and `db_schema`

Change #2405 Add primary key for table `DATABASECHANGELOG` on `configdb`

Liquibase itself uses the table `DATABASECHANGELOG` to manage the changes that should be executed. The table `DATABASECHANGELOG` is created by Liquibase without a primary key, which can cause trouble with certain replication scenarios. Therefore we add one.

Change #2453 Dropped Facebook contacts subscription feature

Due to further restrictions applied from Facebook towards publicly accessible APIs, the Facebook subscription feature became obsolete.

For that reason a new background, non-blocking update task `com.openexchange.groupware.update.tasks.DeleteFacebookContactSubscriptionRemnantsTask` has been introduced, whose purpose is to cleanse all remnants from affected database schema that are associated with Facebook subscriptions.

Change #2452 Update task `com.openexchange.groupware.tasks.database.RemoveUselessExternalParticipants` clears the table `del_task_eparticipant`

We do not want any deleted data to be still present in the backup or "del" database tables. Therefore sensitive data is removed from objects before they are stored in the backup tables for synchronisation.

The table `del_task_eparticipant` therefore contained only lines with identifiers. Those lines do not make any sense anymore and they are not helpful for synchronisation. The update task `com.openexchange.groupware.tasks.database.RemoveUselessExternalParticipants` removes these useless lines and frees used disk space. With a later version the table `del_task_eparticipant` will be removed. Currently this can not be done, because this will break a possible rollback to a previous version.

4.3 Changes of Command Line Tools

Change #2274 Added `-f / --full` option to `createmessengercontext` command-line interface

Added `-f / --full` option to `createmessengercontext` command-line interface. That option signals if all existing users in a given context are supposed to be created. If not set, only context administrator will be created.

Change #2324 Introduction of a toolset for moving database schemas

The possibility to move whole database schemas from one database cluster to another needed to be implemented. Therefore additional command line tools have been created.

`disableschema`

- disables all contexts for a given schema within the `configdb`
- invalidates context-caches cluster-wide
- terminates according sessions cluster-wide

.

`dumpschema`

- wraps `mysqldump` and writes the dump into a file

.

`replayschema`

- wraps the `mysql` client call to replay the schema
- updates the `configdb`, so that all contexts of the original schema now reference the new location

.

`enableschema`

- enables all contexts for a given schema within the `configdb`
- invalidates context-caches cluster-wide

To move a whole schema the tools are meant to be used in the described order. Every tool is capable to be executed remotely on a given OX backend host via RMI. Every tool that performs cluster-wide operations accepts a list of remote hosts. This option can be used to trigger those operations across different hazelcast-domains which operate on top of the same database infrastructure. In that case one host of every hazelcast cluster has to be specified.

Change #2386 Enhanced `getpublication` and `deletepublication` CLTs

The output of `--help` for `getpublication` and `deletepublication` has been enhanced.

4.4 Changes of Behaviour

Change #2163 Programmatical database schema changes for the configuration database

Open-Xchange built a framework based on Liquibase (<http://www.liquibase.org>) to enable declarative migrations of the configuration database. The changes involve two additional bundles and one command-line project:

- `liquibase.core` (Liquibase library)
- `com.openexchange.database.migration` (migration framework)

- `com.openexchange.database.migration.clt` (CLT)

Those are part of the `open-xchange-core` package.

The overall behavior was changed in a way, that possible database schema changes are scheduled asynchronously during the server startup and run in the background. To prevent from database inconsistencies the server shutdown via the `open-xchange` init script blocks until all migrations are finished.

Documentation for admins as well as for developers can be found under <http://oxpedia.org/wiki/index.php?title=AppSuite:DBMigration>.

Change #2312 Log layout correction

The custom line-wise MDC converter was not recognized when parsing pattern layout for `SYSLOG` appender and a fall-back to regular MDC converter happened. Fixed bundle inheritance structure to resolve `ClassNotFoundException` when looking up line-wise MDV converter. Thus the keyword "lmdc" is orderly parsed when interpreting pattern layout string. In turn, the logging layout for customers utilizing the `SYSLOG` appender will change accordingly.

If a customer wants to maintain the previous log formatting, then the "lmdc" keyword in pattern layout string needs to be replaced with "mdc".

4.5 Changes of Packaging

Change #2152 Switched to OAuth 2.0 for subscribing to MS Live resources

Microsoft switched to OAuth 2.0 for their "Live" service, hence the bundles `com.openexchange.subscribe.msn` and `com.openexchange.oauth.msn` are obsolete and have been replaced with `com.openexchange.subscribe.msllive` and `com.openexchange.oauth.mslliveconnect`

Change #2231 Removed Dropbox and Box.com remnants from packaging

Premature implementation of cloud storage integration has been shipped. Removed Dropbox and Box.com remnants from packaging. Removed references to `com.openexchange.oauth.boxcom` and `com.openexchange.oauth.dropbox` bundles from `open-xchange-drive.psf` file. Also removed `boxcomoauth.properties` and `dropboxoauth.properties` configuration files from packaging files.

Change #2246 Added new bundle `com.openexchange.sessionstorage.hazelcast.serialization`

Added new bundle `com.openexchange.sessionstorage.hazelcast.serialization` to have central access to portable representation for the `com.openexchange.session.Session` class.

Change #2331 Moved `com.openexchange.mailmapping` from `c.o.rest` to `c.o.core`

Due to the fact that many bundles might want to implement the mailmapping API as required by OX Guard, but are not required to have it installed at any time, the mailmapping bundle has been moved to from `com.openexchange.rest` to `com.openexchange.core`.

Change #2449 Moving OX Drive related help files from `appsuiteui` to `drive-help` repository

The online help for OX Drive clients has been shipped with the AppSuite UI repository. However, since OX Drive clients are shipped via AppStores, their release and deployment schedule may be different than the one of OX AppSuite running at the synchronisation endpoint. To avoid online help information that does not match the OX Drive clients version, the online help has been moved to a separate repository `drive-help`. This repository uses versioning equal to drive clients and can be updated independently from AppSuite UI. The repository needs to be added as a package source for the operating system when updating OX AppSuite to 7.6.2 in order to correctly replace the previous packages, shipped from the AppSuite UI repository.

5 Changes relevant for Developers

5.1 Changes of the HTTP API

Change #2432 New optional parameter to explicitly define the character encoding for .csv import

The action `CSV` and `OUTLOOK_CSV` will get enhanced by a new optional parameter named `charset` allowing to define the character encoding explicitly. The `charset` name is expected to follow the conventions documented in RFC 2278. The supported charsets may vary based on the underlying JVM, however, the most common ones should usually work.

See http://oxpedia.org/index.php?title=HTTP_API#Import_CSV and http://oxpedia.org/index.php?title=HTTP_API#Import_Outlook_CSV for details.

Change #2383 Extended config module to get/set context-wide settings using the config cascade

The context administrator should be able to set certain context-wide settings that applies to every user in that context. The general usage/restriction of existing config cascade needs to be maintained. A dedicated HTTP-API call is supposed to be used to get/set certain, non-protected settings.

Get a property:

http://oxpedia.org/wiki/index.php?title=HTTP_API#Get_a_property_.28since_7.6.2.29

Set a property:

http://oxpedia.org/wiki/index.php?title=HTTP_API#Set_a_property_.28since_7.6.2.29

Change #2375 The user/me module is used to access formal information about current user

There is the need to easily retrieve some formal information about the current user. See http://oxpedia.org/wiki/index.php?title=HTTP_API#Module_.22user.2Fme.22_.28available_with_v7.6.2.29

5.2 Changes of the Java API

Change #2242 SearchTerms for mail date and size headers have been extended by new comparison types

`javax.mail` supports a super-set of the comparison types we have. We formerly only supported:

- less than
- greater than
- equals

while `javax.mail` also supports:

- less equals
- greater equals

Both types have been added to the enumeration `com.openexchange.mail.search.ComparisonType` as values `LESS_EQUALS` and `GREATER_EQUALS`. They map to their according `javax.mail` types `javax.mail.search.ComparisonTerm.LE` and `javax.mail.search.ComparisonTerm.GE`. The new types are used in:

- `com.openexchange.mail.search.ReceivedDateTerm`
- `com.openexchange.mail.search.SentDateTerm`
- `com.openexchange.mail.search.SizeTerm`

MAL implementations whose search-methods operate on `com.openexchange.mail.search.SearchTerm` need to support those new types. They are currently used by the new in-app search (via Find API).

Change #2276 Return values for saveDocument methods in FileStorageFileAccess / IDBasedFileAccess
The following methods in the interface `FileStorageFileAccess` are enhanced by the `IDTuple` return value, their new signature is now as follows:

- `IDTuple saveFileMetadata(File file, long sequenceNumber)` throws `OXException`
- `IDTuple saveFileMetadata(File file, long sequenceNumber, List <File.Field>modifiedFields)` throws `OXException`
- `IDTuple saveDocument(File file, InputStream data, long sequenceNumber)` throws `OXException`
- `IDTuple saveDocument(File file, InputStream data, long sequenceNumber, List<File.Field>modifiedFields)` throws `OXException`

Similarly, the `saveDocument` methods in the interface `IDBasedFileAccess` are enhanced by a `String` return value:

- `String saveFileMetadata(File document, long sequenceNumber)` throws `OXException`
- `String saveFileMetadata(File document, long sequenceNumber, List<File.Field>modifiedColumns)` throws `OXException`
- `String saveDocument(File document, InputStream data, long sequenceNumber)` throws `OXException`
- `String saveDocument(File document, InputStream data, long sequenceNumber, List<File.Field>modifiedColumns)` throws `OXException`

As well as the additional `saveDocument` methods defined at `IDBasedRandomFileAccess` and `IDBasedIgnorableVersionFileAccess`:

- `String saveDocument(File document, InputStream data, long sequenceNumber, List<File.Field>modifiedColumns, boolean ignoreVersion)` throws `OXException`
- `String saveDocument(File document, InputStream data, long sequenceNumber, List<File.Field>modifiedColumns, long offset)` throws `OXException`

Change #2280 Changes in IDBasedFileAccess to reflect files store features

Different file store accounts may provide different features. Clients accessing the filestore must be aware of those limitations and capabilities.

`IDBasedFileAccess` has been enhanced with the following method:

```
boolean supports(String serviceID, String accountID, FileStorageCapability...capabilities)
throws OXException
```

Currently, the following capabilities may be queried:

- Support for sequence numbers of files and folders: `SEQUENCE_NUMBERS`
- Support for saving files without creating a new version: `IGNORABLE_VERSION`
- Support for storing multiple versions of a document: `FILE_VERSIONS`
- Support for reading and writing files at specific offsets: `RANDOM_FILE_ACCESS`
- Support for searching files by advanced search terms: `SEARCH_BY_TERM`
- Support for E-Tags of folders: `FOLDER_ETAGS`
- Support for recursive E-Tags of folders: `RECURSIVE_FOLDER_ETAGS`
- Support for thumbnail images of files: `THUMBNAIL_IMAGES`

- Support for persistent folder- and file-IDs, i.e. identifiers don't change during rename operations: `PERSISTENT_IDS`

This obsoletes the previously used marker interfaces `IDBasedIgnorableVersionFileAccess`, `IDBasedRandomFileAccess`, `IDBasedETagProvider` and `IDBasedSequenceNumberProvider`, whose methods have been moved towards `IDBasedFileAccess` itself.

Change #2283 New interfaces `FileStorageVersionedFileAccess`, `FileStorageAdvancedSearchFileAccess`, `FileStorageLockedFileAccess` and `FileStoragePersistentIDs`
Methods requiring specific features of the file storage backend have been extracted from the `FileStorageFileAccess` interface into dedicated interfaces that can be implemented if applicable.

The following methods were moved from `FileStorageFileAccess` to `FileStorageVersionedFileAccess`, and only need to be implemented if versioning is supported:

- `String[] removeVersion(String folderId, String id, String[] versions)` throws `OXException`;
- `TimedResult<File> getVersions(String folderId, String id)` throws `OXException`;
- `TimedResult<File> getVersions(String folderId, String id, List<File.Field> fields)` throws `OXException`;
- `TimedResult<File> getVersions(String folderId, String id, List<File.Field> fields, File.Field sort, SortDirection order)` throws `OXException`;

The following method was moved from `FileStorageFileAccess` to `FileStorageAdvancedSearchFileAccess`, and only needs to be implemented if advanced searching by term is supported:

```
SearchIterator<File> search(List<String> folderIds, SearchTerm<?> searchTerm, List<Field> fields, File.Field sort, SortDirection order, int start, int end) throws OXException;
```

The following methods were moved from `FileStorageFileAccess` to `FileStorageLockedFileAccess`, and only need to be implemented if versioning is supported:

- `void unlock(String folderId, String id)` throws `OXException`;
- `void lock(String folderId, String id, long diff)` throws `OXException`;

Additionally, the marker interface `FileStoragePersistentIDs` is introduced to signal if the underlying file storage uses persistent folder- and file-IDs, i.e. identifiers don't change during rename operations.

5.3 Changes to the Frontend API

Change #2271 Notification popup uses fixed position

Using a fixed position for the notification popup (`yell` function) guarantees that it's always visible also on smart phones that change the viewport while the soft keyboard is open.

Change #2417 The extension point `io.ox/mail/detail/content` now uses a native DOM element

The post-processing of the mail content makes heavy use of jQuery. As a consequence, lots of nodes are kept in jQuery's internal caches. This might cause memory leaks. In order to avoid that, the UI now uses native functions to post-process the content.

Besides some internal changes, all extensions of the point `io.ox/mail/detail/content` need to be adjusted. "this" is no longer a jQuery set but the native DOM node. It's highly recommended to use native functions like `querySelectorAll()` to process the content. It's ok to use jQuery on matching items (if not too many).

6 Tests

The Open-Xchange QA team has successfully verified all bug fixes that could be reproduced within a lab environment.

To avoid side effects, the shipped packages have gone through automated regression test on both, a Continuous Integration System and a dedicated server setup for system and integration testing.

All changes have been checked for potential side-effects and effect on behavior. Unless explicitly stated within this document, we do not expect any side-effects.

7 Fixed Bugs

21161, 21654, 27489, 28262, 30106, 31044, 31407, 32797, 32974, 33334, 33399, 33448, 33653, 33729, 33748, 34016, 34035, 34275, 34283, 34322, 34380, 34465, 34499, 34510, 34517, 34617, 34618, 34689, 34704, 34706, 34727, 34758, 34779, 34834, 34835, 34855, 34893, 34894, 34916, 34921, 34922, 34927, 34928, 34947, 34952, 34981, 34983, 34984, 34989, 35021, 35023, 35048, 35052, 35059, 35062, 35073, 35088, 35124, 35128, 35130, 35134, 35135, 35137, 35138, 35139, 35148, 35168, 35170, 35171, 35176, 35198, 35199, 35234, 35242, 35243, 35255, 35261, 35277, 35285, 35286, 35291, 35303, 35304, 35316, 35322, 35324, 35356, 35359, 35373, 35379, 35393, 35401, 35408, 35411, 35413, 35422, 35426, 35429, 35430, 35454, 35455, 35467, 35468, 35470, 35483, 35501, 35502, 35516, 35525, 35526, 35533, 35540, 35542, 35573, 35579, 35591, 35596, 35597, 35599, 35601, 35610, 35611, 35612, 35630, 35632, 35638, 35639, 35641, 35645, 35662, 35666, 35682, 35685, 35687, 35688, 35693, 35695, 35696, 35698, 35699, 35700, 35702, 35705, 35714, 35727, 35728, 35733, 35735, 35737, 35746, 35747, 35750, 35755, 35759, 35763, 35764, 35783, 35784, 35794, 35799, 35806, 35821, 35862, 35863, 35891, 35895, 35899, 35900, 35905, 35906, 35909, 35920, 35929, 35933, 35939, 35940, 35946, 35948, 35952, 35953, 35954, 35977, 35981, 35985, 35987, 35992, 36004, 36010, 36011, 36012, 36028, 36031, 36033, 36034, 36035, 36036, 36039, 36040, 36046, 36048, 36058, 36072, 36074, 36075, 36076, 36086, 36087, 36107, 36108, 36109, 36124, 36127, 36141, 36153, 36155, 36212, 36220, 36224, 36228, 36262, 36269, 36275, 36288, 36307, 36316, 36317, 36320, 36321, 36333, 36356, 36420, 36472, 36474, 36484, 36512, 36513, 36515, 36529, 36531, 36532, 36542, 36566, 36602, 36605, 36610, 36627, 36658, 36666, 36688, 36706, 36714, 36715, 36725, 36728, 36729, 36733, 36736, 36755, 36779, 36789, 36830, 36835, 36838, 36860, 36866, 36868, 36941, 36943, 36946, 36969, 36975, 36984, 37017, 37021, 37025, 37049, 37082,