Release Notes for Release 7.10.6
2021-12-09

Copyright notice

1 General Information

OX App Suite v7.10.6

OX App Suite is a modular platform designed for Telco's, Hosters, and other Service Providers. It delivers a wide range of cloud-based services. These include email, file sharing, document management, time management, cloud storage and metrics for monitoring end-user behavior. Enhancements to the OX App Suite platform in this release include:

- New Address Book Picker and Search
  A new address book search and contact picker for large organizations using an LDAP directory. Search for contacts across all departments (cross context and with configurable LDAP search filters)

- Cross Context OX Calendar Sharing
  As users can share personal and public calendars outside their contexts, the creation of appointments and free/busy now supports participants from other contexts.

- Introduction of Functional (Shared) Mailboxes
  OX App Suite v7.10.6. now lets users subscribe to, and use, centrally managed functional mailboxes. These functional mailboxes are easy to subscribe to and can be shared amongst other users in the same context.

- Automatic Processing of Scheduling Mails
  Calendar invitations received via email are now automatically processed and saved as soon as an invite email arrives in a users inbox. Now, new appointments, updates, cancellations, or replies from participants will directly appear in the user's calendars.

- OX Mail On-behalf of Management
  In some situations a user may wish to delegate management of their email and calendar functions to another user. For this reason, Open-Xchange has introduced a completely new concept to work 'on-behalf' of another users, for mail and calendar.

What's New in General and Feature Overviews

- Open-Xchange now provides more detailed overviews and Feature Overview documents relating to new product releases. These can be found at `https://www.open-xchange.com/resources/ox-product-updates/whats-new/`

General Information – **Please Note**

- Open-Xchange encourages administrators to regularly update to the latest available release. To ensure a stable and up to date environment please note the different versions supported. An overview of the latest supported Major, Minor and Public Patch Releases can be found in the OXpedia at: https://oxpedia.org/wiki/index.php?title=AppSuite:Version_Support_Commitment

- Upgrade Hazelcast to v5.0 - The internally used Hazelcast library is upgraded to v5.0, which means that during a rolling upgrade, a separate cluster of nodes will be formed consisting of the already upgraded nodes. As a consequence, volatile data like user sessions being held in the distributed session storage won't be migrated, requiring end users to re-login after the update (unless managed by an external SSO-system). In contrast to the previous upgrade that came with v7.10.5, no different incoming port needs to be picked, so that the current settings regarding (automatic) port offset can remain as-is when upgrading from this version. However, in case a rolling upgrade from a previous version is attempted, this still needs to be considered. Also, please obey the general recommendations when performing a cluster upgrade with breaking Hazelcast upgrade. For details, please refer to the instructions provided at: https://documentation.open-xchange.com/7.10.6/middleware/

2   Shipped Product and Version

Open-Xchange App Suite backend 7.10.6-rev4
Open-Xchange App Suite frontend 7.10.6-rev3
Open-Xchange App Suite usm 7.10.6-rev1
Open-Xchange App Suite eas 7.10.6-rev1
Open-Xchange App Suite hazelcast-enterprise 7.10.6-rev2
Open-Xchange App Suite documentconverter-api 7.10.6-rev2
Open-Xchange App Suite documentconverter 7.10.6-rev2
Open-Xchange App Suite office 7.10.6-rev2
Open-Xchange App Suite documents-collaboration 7.10.6-rev2
Open-Xchange App Suite office-web 7.10.6-rev3
Open-Xchange App Suite readerengine 7.10.6-rev2
Open-Xchange App Suite imageconverter 7.10.6-rev2
Open-Xchange App Suite open-xchange-spellcheck 7.10.6-rev1
Open-Xchange App Suite open-xchange-pdftool 7.10.6-rev2

Find more information about product versions and releases at `http://oxpedia.org/wiki/index.php?title=AppSuite:Versioning_and_Numbering` and `http://documentation.open-xchange.com/`.

3   Vulnerabilities fixed with this Release

This section provides a summary of security related bug fixes that have been applied subsequently to shipping Release 7.10.5. Solutions for vulnerabilities have been provided for the existing code-base via Patch Releases.

DOCS-3309   CVE-2021-33491
CVSS:3.1

DOCS-3201   CVE-2021-28095
CVSS:3.1

DOCS-3200   CVE-2021-28094
CVSS:3.1

DOCS-3199   CVE-2021-28093
CVSS:3.1

MWB-993   CVE-2021-33489
CVSS:5.3

MWB-1067   CVE-2021-33493
CVSS:3.1

MWB-1094   CVE-2021-33490
CVSS:3.1

MWB-1113   CVE-2021-38375
CVSS:3.1

MWB-1116   CVE-2021-38377
CVSS:3.1

MWB-1185   CVE-2021-38376
CVSS:3.1

MWB-1208   CVE-2021-38378
CVSS:3.1

MWB-1216   CVE-2021-44213
CVSS:3.1

MWB-1219   CVE-2021-44212
CVSS:3.1

MWB-1259   CVE-2021-44211
CVSS:3.1

MWB-1260   CVE-2021-44210
CVSS:3.1

MWB-1322   CVE-2021-44209
CVSS:3.1

OXUIB-837   CVE-2021-33494
CVSS:3.1

OXUIB-838   CVE-2021-33495
CVSS:3.1

OXUIB-872   CVE-2021-38374
CVSS:3.1

OXUIB-1092   CVE-2021-44208
CVSS:3.1

4   Bugs fixed with this Release

This section provides a summary of bug fixes and changes that have been applied subsequently to shipping Release 7.10.5. Some of the announced bug fixes may have already been fixed at the existing code-base via Patch Releases.

DOCS-2709   Document preview loading slow if via direct link
The whole list is loaded for a Viewer deeplink. For such big folders, the data can get very big (for 60k files it can be about 30mb). Even the transfer via a typical DSL connection can take a big amount of time. The next reason is that the viewer creates boilerplates for each item that is passed to the Viewer carousel. This adds a additional slowdown.
When using a Drive Viewer deeplink (url pasted in the tab), now the Drive list for this folder is used. Instead of loading the whole file list for that folder with a new request. One further advantage is that the order in the Drive list and the Viewer carousel is the same (below the pagination limit). When the to be viewed file is outside of the pagination limit of the Drive list, this single file is added to the viewer carousel in addition.

DOCS-2619   Readerengine scratch directory fills up
PDFTool does not return at all with some rare, yet unknown PDF documents.
Now we introduced a maximum runtime for each call to the PDFTool (similar to watchdog for RE processes), returning an error after the configured jobExecution timeout time and responding to the appropriate request in time.

DOCS-3144   Viewer: Printing of images is not possible
Print as PDF did only work for Office files and PDF files. Enabled that images can be printed via "Print as PDF" too. Plain .txt files are enabled now, too for "Print as PDF", which was also not possi-

ble before.

DOCS-3189   Single context mode - "Global template folders" are getting displayed
Global templates are not helpful with com.openexchange.capability.alone = true.
With com.openexchange.capability.alone = true, global templates in office settings are not displayed anymore for users and also not for admin user.

DOCS-3190   My Attachments Shown but Unusable when Opening Documents
The files are not visible because it's not possible to open the attachements in documents. Hide the attachments folder to not confuse the user

DOCS-3222   Default templates have wrong review language in places
Templates contained more than 5 different languages on XML level.
Fixed on XML level, replaced all (western) lang attrs to be only en-US for EN templates, de-DE for DE templates.

DOCS-3237   Cell content does not get saved when using 'save as' if cell is still "open"
Document was not flushed before the copy was created in Drive. Flushing causes to save all pending changes which, in Spreadsheet, includes to commit the cell edit mode.
Flush document before starting to copy the file in Drive for user actions "Save As" and "Save As Template" tto solve this issue.

DOCS-3239   Presentation Template - Scroll issues
When an image is inserted via the buttons in template drawings, the mousedown happens on the content root node, but the mouseup does not. But these events are registered for an optional scrolling. Therefore the scroll position was not correctly adapted, when the user changes the slide using the slide pane and does not click at least once into the document after inserting the image.
Now checking the target nodes for mousedown and mouseup events that are required for scrolling.

DOCS-3248   Automatic color in shape shows black, then reverts to white after save
The filter cannot evaluate type 'auto' for text colors in shapes (Presentation and Spreadsheet, ooxml). Instead of sending 'auto' when the user selects 'Auto' as a text color, the best text color is evaluated corresponding to the shape background. This calculated color is sent to the filter.

DOCS-3473   Menubar changed after using "Save As"
Exiting loop for tool bar expansion too early. After unhiding and unshrinking, but before maximizing the groups.
This has been solved by not leaving toolbar expansion process always after unshrinking. Only, if this is required.

DOCS-3536   DC error logging should be enhanced to show the root cause
After configuring test system appropriately, exception logging (with appropriate description now) could be reproduced when viewing mail attachment documents. Instead of using a different algorithm to determine document URL, the standard file based approach was used that finally led to the exception logging without causing further harm.
Solution: 1.) Removing newline within log output to log root cause of exception. 2.) Using different approach for mail attachments to determine document URL to be used in RE rendering stage for e.g. file fields. Schema used in mail attachment case is now: file:///Mail/filename

DOCS-3588   Tall Image Distorted on Zoom
Images with quite unusual width/height aspect rations (3.8 h/w / 0.26 w/h in this case) get too much distorted when scaled into a target rectangle so that e.g. text rendering within the target image gets distorted/unreadable after processing. Checking aspect ratios for source and target images for unusual ratios above 21:9 (2.33) when scale type CONTAIN is requested and w/h aspect ratios of source and target image differ significantly (e.g. source w/h > 1.0, target w/h < 1.0 and vice versa).
Prevent scale processing of images completely in those cases so that as much source image information as possible gets transferred to the requester/browser as possible. This significantly improves readability of e.g. text like content in such images delivered to the frontend .

DOCS-3611   Welcome Tour is displayed two times for Text, Spreadsheet, Presentation (6 times in total)
Creating the missing settings entry "portal/<app>/recents" deletes the existing settings entry "portal/<app>/fulltour/shown" causing the tour to start again.
Now, when starting a portal app, the missing property "portal/<app>/recents" will explicitly be created in frontend code and sent to server.

DOCS-3629   Recommended hardware size for ImageConverter install on dedicated server
Missing sizing information on related Ox provided IC documentation pages.
This has been solved by adding sizing section to IC documentation.

DOCS-3684   Connection Errors After Installing ImageConverter
Inserting PRIMARY keys more than once during IC server job proccessing gives DB server exceptions in some timing dependent cases. Inserting PRIMARY keys more than once during IC server job proccessing gives DB server exceptions in some timing dependent cases.
Solution: Preventing mutliple access to PRIMARY DB keys fixes the problem with IC server DB communication. Replacing the emulated file storage update call (setFileLength(0)/appendToFile) with sequences of createNewFile/updateDB entry in every case within the IC server code base fixes the inconsistent SproxyD adapter behavior.

DOCS-3843   Mentions in text document does not work as external user. Wrong error messages while doing this
Guest user handling was not perfect.
This has been solved by improving guest user handling:
1. When a guest user inserts a mention into a comment, the follwing text appears in the bottom of the comment: "You added people to this comment. Attention: Due to missing permissions no email will be sent!"
2. When the guest user sends the comment, the dialog with the information, that no mail be sent, does not appear anymore.

MWB-667   Mail filter apply does not work for copy
The copy require was missing from the FILEINTO action command, hence the MailFilterService was generating the wrong require directive for the sieve script. The issue lies within the MailFilterService.getFilterRule when the method reconstructs the Rule object from the sieve script, i.e. the copy require is not added as an optional require.
This has been solved by including the copy as an optional require for the FILEINTO action command.

MWB-745   Old composition space increase
Clean-up task does only work for active users since a session is needed. Those belonging to inactive ones are not considered and might therefore remain.
This has been solved by refactoring clean-up task for expired composition spaces to have a global task considering any open composition space.

MWB-792   New feature 'File backup' is not working
One optimization was done: Resume reading an S3 object's content when HTTP connection gets unexpectedly closed due to premature EOF (actually read bytes do not match advertised content length)

MWB-868   Dataexport fails with "No such file or directory" error message
Intermediate clean-up task unexpectedly dropped file storage resources.
This has been solved by not running clean-up task when there are currently running data export tasks.

MWB-888   Increased load since 7.10.3
Too many occurrences of low-level HTTP end-point pools for initialized Sproxyd clients.
This has been fixed by adding cache for low-level Sproxyd HTTP end-point pools.

MWB-891   An error occurred: HTTP/1.1 423 Locked
Possible concurrent modification of storage objects is quitted with "HTTP/1.1 423 Locked" status response leading to abortion of request processing.
This has been fixed by introducing retry mechanism with exponential back-off in case Sproxyd service quits request with "HTTP/1.1 423 Locked".

MWB-892   Different words in OX for the same - Beschreibung, Notiz., Anmerkung
Inconsistent translation of 'notes'.
This has been fixed by adjusting translations.

MWB-903   One user can create stacktraces to JE >36.000 lines
Equal exceptions chained multiple times.
This has been solved by avoiding chaining equal exceptions multiple times.

MWB-924   Wrong encoding in plain-text sharing-mail-body using umlauts in display name
Sender's full name for introduction in drive mail notifications escaped twice.
This has been fixed by escaping sender's full name for introduction in drive mail notifications only once.

MWB-928   CompositionSpaceCleanUpTask seems to trigger UpdateTasks on all schemas after 7.10.4 upgrade automatically
Unexpected trigger of update task for a schema that is currently checked for possible expired composition spaces.
Skip clean-up of expired composition spaces for those schemas that are currently updated or need an update to solve this.

MWB-930   Appointment invitation: .ics file gets saved as .dat file in drive
Different generation of fallback attachment filename extension.
This has been solved by using the common method to yield fall-back name with a reasonable file extension.

MWB-934   No default folder could be found in module calendar
Wrong value inserted into guestCreatedBy field of guest users under certain circumstances.
Ensure to reassign guestCreatedBy field to context admin during user deletion if no destination user specified.

MWB-951   Share is not created if mailbox is overquota
Missing special handling for error codes that advertise actual transport succeeded, but append to standard sent folder failed.
This has been fixed by adding special handling for error codes that advertise actual transport succeeded, but append to standard sent folder failed.

MWB-954   Wrong HTTP status code when If-None-Match header is set
No response status distinction for read-only operations in If-None-Match/If-Match checks.
This has been solved by using HTTP 304 response during If-Match/If-None-Match checks for GET and HEAD.

MWB-958   Not possible to change directly case of context name with changecontext
Context names are checked case-insensitive for equality when attempting to change a context's name and thus changing to the same context name, but different cases were considered as a no-op.
This has been solved by checking case-sensitive for equal context names when attempting to change a context's name.

MWB-967   Higher load on parsing sent email
Was caused by possible long-running Matcher.find() invocation.
This has been fixed by adding fast plausibility check & introduced a timeout-aware matcher alternative that respects a passed timeout whenever matching the input sequence or finding a certain sub-sequence is requested to avoid possibly long-running matcher invocations.

MWB-987   Suggestions for change: cleanup tasks are started on all nodes of a cluster, but only one is effectively running, "list" tool removes data
Existent data export tasks silently deleted if associated user/context do no more exist.
This has been fixed by not deleting such "orphaned" data export tasks when invoking 'listdataexports' command-line tool.

MWB-990   tel: links are removed from signature
Whitespaces and tel schema in URLs aren't detected and thus URL checks might be bypassed.
Remove whitespaces and handle URLs correctly. Add the tel scheme to com.openexchange.html.sanitizer.allowedUrlSchemes.

MWB-994   Inline forwarding of a particular mail results in 'Missing argument com.openexchange.mail.conversion.fullname'
A broken image link leads to failure of send/transport attempt.
Solution: Don't let failed image URI resolution prevent from sending a mail.

MWB-999   "All Day" appointment display problem after adding iCal by URL
Wrong data from external calendar source taken over as-is.
This has been fixed by adjusting bogus all-day dates prior to storing event data from subscriptions.

MWB-1000   DefaultSenderAddress not used when compose new mail
From address determined by examining user's primary mail account data.
Solution: Orderly pre-select user's default send address when composing new mails.

MWB-1007   GDPR Exports in state "Pending"
Lock entry not cleansed from database in case temporary database outage/inaccessibility occurs.
This has been solved by enhancing acquired lock by a time stamp that gets periodically touched (every minute). Consider lock as expired if not touch for more than 5 minutes.

MWB-1008   Sproxyd filestore not working anymore after upgrade to 7.10.5-REV7
Premature cancellation of HTTP request leading to HTTP connection shutdown.
Avoid premature cancellation of HTTP request leading to HTTP connection shutdown.

MWB-1011   Smtp login-rejects (wrong password and similar) are not logged at all
Missing log message for failed authentication attempts against primary mail/transport server.
This has been solved by adding logging failed authentication attempts against primary mail/transport server.

MWB-1013   Data export documentation unspecific about hwo it is designed to work
Missing section highlighting that a data export is a background task and should be handled as such.
Added a section highlighting that a data export is a background task and should be handled as such.

MWB-1014   UI Error When Birthdays Disabled
No fallback access used when collecting pending alarm triggers from disabled accounts.
This has been solved by using fallback access when collecting pending alarm triggers from disabled accounts.

MWB-1017   String index out of range: -1 for error when scrolling in inbox
Possible 'java.lang.StringIndexOutOfBoundsException' when trying to decode subject string obtained from ENVELOPE fetch item.
Fixed possible 'java.lang.StringIndexOutOfBoundsException' when trying to decode subject string obtained from ENVELOPE fetch item.

MWB-1023   Connect your device SMTP Settings
SMTP host information advertised as "None" in case SMTP authentication is disabled through configuration.
Now do not advertise SMTP host information as "None" in case SMTP authentication is disabled

through configuration.

MWB-1024   Connection to database problems / DAV client(s) involved
Generic error returned when vCards exceed the maximum size during bulk import.
This has been solved by explicitly handling too large vCard during bulk import requests.

MWB-1029   Autodiscover needs a lot of time
Too low settings for HTTP connection pools for both - auto-config server and ISPDB end-point.
This has been solved by increasing settings for HTTP connection pool of both - auto-config server and ISPDB end-point - while lowering values for read and connect timeout.

MWB-1040   Calendar does not return conflict warning
Iteration of checked event series begins too late.
This has been solved by considering duration when initialize recurrence iterator for conflicting series events in checked period.

MWB-1043   Adding WebDAV account from koofr.net fails
Insufficient PROPFIND handling when querying files: Detection of whether the returned resource is a collection or not was done by checking for a trailing ”/” character.
Added ”resourcetype” prop to the PROFIND query which will return whether the resource is a collection or not.

MWB-1046   Could not acquire lock to start Dovecot listener
Listener could not be registered on a certain since there is already such a listener available in cluster, but registration at Dovecot side might no more be active.
This has been solved by ensuring registration is set at Dovecot side when there is already a Dovecot-Push listener available in cluster.

MWB-1049   Option ”Use Drive Mail” throws an error to user
Wrong sequence number chosen while trying to apply attributes to shared Drive mail attachments.
Fixed applying attributes to shared Drive mail attachments.

MWB-1052   Database error when searching for something like [-+*%][a-z]
Remaining whitespace in tokenized query after non-word characters have been replaced.
This has been solved by trimming pattern after replacing non-word characters in client-supplied token.

MWB-1058   Server reports failed SQL database insertion for syncfolders request
Filenames containing dashes confused the fulltext index tokenizer.
Solution: OX Drive searches for files with ”exact-match”, ignore fulltext index for those requests.

MWB-1065   Draft high priority is not kept when saved as draft
Priority not kept when restoring a compose window from formerly saved draft message.
This has been solved by keeping priority when editing draft messages.

MWB-1072   iOS Profile names not clear since 7.10.5
Content-dependent identifier for onboarding profile names were accidentally cropped.
This has been fixed by re-adding content-dependent part to profile display name.

MWB-1077   Changes done to appointment series in O365 lead to error in subscribed calendar in Appsuite
Incompatible timezone identifier gets cached along with overridden instances, which causes problems when re-loading the data from the cache.
Normalize recurrence identifiers prior processing events from external iCalendar source to solve this.

MWB-1083   7.10.3 -> 7.10.5 Update results in Unmet dependencies for update task ”com.openexchange.mail.compose.impl.groupware.CompositionSpaceRestoreAttachmentBinaryDataCol-

umn"
Was caused by broken update task dependencies.
Has been solved by fixing update task dependencies.

MWB-1106   No calendar listed - FLD-1001 NPE
Was caused by a NPE while sorting display names.
This has been fixed by adding null guard and by preventing null values.

MWB-1108   Autoconfig does only use Port 80 for probing/connecting to autoconfig.<domain>

Static build URL used HTTP and not HTTPS.
This has been fixed by preferring HTTPS URL and only retry with HTTP if the forceSecure flag is set
(over HTTP API). Also, log a warning if HTTP is used.

MWB-1109   After appsuite 7.10.5 upgrade, Hazelcast gets odd names
Moby naming shipped with v4.x introduces human-friendly names for the Hazelcast instances to
be shown in e.g. the Hazelcast Management Center and cluster statistics. It is enabled by default.
Disable moby naming when programmatically compiling the Hazelcast configuration.

MWB-1130   What permission is needed to change displayname
A very old bug still causes problems, so a security mechanism in the code doesn't work as expected.
Re-enable a self-healing mechanism of fix for bug 19128 and adjusted the code to avoid bug 55703.

MWB-1132   iCal feed throws "IllegalStateException: can not shift the time zone of an all-day date"
All-day appointments were not considered during recurrence id normalization.
This has been solved by considering all-day appointments.

MWB-1137   Mails not displayed anymore on missing Drafts folder when Mail-Authenticity is enabled
Possible null dereference when dropping a standard mail folder.
Fixed possible null dereference when dropping a standard mail folder.

MWB-1145   CalDAV: calendar can not be synchronized anymore since upgrade to 7.10.5-ucs2
Missing safety checks prior folder display name template replacements.
Solution: Additional safety checks prior folder display name template replacements, added logging
if replacements are unavailable.

MWB-1148   Package referenced in docs (open-xchange-mail-authenticity) does not exist
Wrong package in mail authenticity config documentation.
This has been solved by using correct package in mail authenticity config documentation.

MWB-1153   Different fallback value for empty 'from' (all vs. get)
"<>" was not detected as empty address header.
Better detection for missing or empty address headers.

MWB-1159   Email subject not displayed in desktop notifications
Found paths in IMAP-IDLE backed push implementation for which notifications are published w/o
providing basic message info (like subject).
Always provide basic message info when publishing notification to solve this.

**MWB-1162   Change onBoarding Wizards Profile Name, Account Name inside of the Profile
and Description of the Account in the Profile for iOS Mailsync**
Used always com.openexchange.x as a payload identifier.
Use the reversed domain as the payload identifier.

MWB-1164   Mail-Authenticity-Feature / Icon UI Documentation missing
Misleading documentation.

Added a note to the documentation that explains that the image is not supported in the core UI.

MWB-1167   No / unclear error messages when IMAP folder limit is reached
Possible failed CREATE commands silently swallowed.
Orderly advertise possible failed commands to client while considering possible IMAP response codes (like "[LIMIT]").

MWB-1169   Appointment series exceptions are not shown via CalDAV all the time
Userization of delete exception dates not working properly for event series in public folders.
Solution: Don't userize change- and delete exception dates for events in public folders.

MWB-1179   Missing link endpoint for onboarding EAS provisioning
EAS support was missing.
This has been solved by adding EAS support.

MWB-1207   Low level Casandra statement error is shown via HTTP API
The exception's display message was exposing internal Cassandra infrastructure information.
Adjusted the exception's display message to hide that information.

MWB-1209   Failure of JVMs/groupware-nodes, Login not longer possible
Optimization: Avoid using regular expression to split HTML content to lines and fixed possible NPE when querying available composition spaces.

MWB-1213   Invalid Protocol Generated by SAML Plugin
Generated SAML id is a simple UUID with possible digits, but SAML ID must not start with a digit.
This has been solved by prepending a single character "a" to the ID.

MWB-1220   500 internal server error(s) for one dedicated EAS Account
In case a calendar user appears multiple times in the attendee lineup, a folder existence check may fail due to selecting the false one.
This has been solved by considering further alternatives when checking if event is rendered in folder or not.

MWB-1222   External mail account folders not translated
Folder of external accounts are not supposed being translated, but external account's Inbox folder was.
Avoid translate name for an external account's Inbox folder.

MWB-1223   Imapauth.properties cannot allow uppercase logins (with USE_MULTIPLE=false)
Missing option to automatically convert login info to lower-case.
This has been fixed by introducing boolean property "com.openexchange.authentication.imap.autoLowerCase" (default is 'false') to specify that login info is supposed to be automatically converted to lower-case when attempting to authenticate against IMAP server.

MWB-1224   Slovak text broken within Settings -> Accounts
Broken encoding for standard google account nam ein slovak.
This has been solved by using UTF-8 encoding instead if ISO-8859-1 encoding for the display name when creating the callback URL for Google.

MWB-1229   Contact API failing from voice tab
Behaviour of the ApachePostRequestBuilder changed during lib upgrade.
Restore old behaviour.

MWB-1231   Using Russian in Appsuite inserts whitespaces inside the Subject
Multi-mime-encoded header value wasn't properly decoded.
Now properly decode a multi-mime-encoded header value.

MWB-1232   Increased threads since update
Repeatedly loading of resource files for JavaMail providers and address map.
Solution: Cache loaded resource files for JavaMail providers and address map (reset cache on reloadconfiguration).

MWB-1234   Fast filling of heap.hprof file crashing OX service
Problems in the network stack of the underlying Hazelcast framework caused increased memory consumption and GC activities, eventually leading to nodes becoming unresponsive.
Upgraded Hazelcast library to v5.0 where these kind of problems are mitigated according to Hazelcast.
Introduced a new package *open-xchange-hazelcast5-community* which could be installed instead of *open-xchange-hazelcast-community*.

MWB-1244   Report client not finishing
com.openexchange.report.appsuite.storage.ContextLoader.getAllContextIdsInSameSchema(int, Connection) returns an empty abstract list if a schema has no results for contexts (see table context_server2db_pool).
This has been solved by returning new ArrayList<> instead of Collections.emptyList().

MWB-1247   Subscribed mail account saves drafts to primary account
Final draft messages are not stored in appropriate account's standard drafts folder.
Final draft messages are now orderly stored in appropriate account's standard drafts folder. Please note that storing intermediate draft messages associated with an alive/intact composition space are intentionally stored in primary account's standard folder.
See also: https://documentation.open-xchange.com/7.10.5/middleware/mail/mail_compose/01_drafts.html#mail-storage-utilization

MWB-1248   Attachment downloads not working when app password used
RestrictedAction.Type was missing from the getAttachmentAction.
This has been solved by adding missing action type.

MWB-1256   Documentation change or removal
The alias is still supported but there was an issue with the implementation. For each soap alias a new servlet was created and registered but only the first one was filled with data.
Instead of creating new servlets for each alias I registered the same servlet for each alias.

MWB-1265   Password reset link not invalidated after setting new password
Password change not forwarded to cross-context database.
Align guest reference in cross-context database after setting new password in "reset" dialog to solve this issue.

MWB-1266   Unable to delete calendar appointment series
Missing attendee data raised an exception when collecting deletions for userized result.
Missing attendee data raised an exception when collecting deletions for userized result.

MWB-1272   Content-Type: message/delivery-status not shown in App Suite
Message's delivery-status was not displayed.
Now display message's delivery-status.

MWB-1281   Drive Shares still accessible for guest users after permissions have been removed for owner
Unclear requirement to run 'deleteinvisible' after downgrade, problem in database statement during downgrade.
Added hint to 'deleteinvisible' in changeuser documentation, corrected SQL statement for folder deletions after downgrade.

MWB-1290   oxsysreport doesn't catch imageconverter-server configuration
oxsysreport does not consider Image-Converter configuration files.

Let oxsysreport also collect Image-Converter configuration files.

MWB-1296   Address book email check does not check for presence of TLD
E-Mail addresses without top-level domain part in address' host-name part are considered as valid. Added new config option "com.openexchange.mail.checkTopLevelDomainOnAddressValidation" to enable top-level domain validation on E-Mail address validity check. By default that option is disabled to not mess-up existent installations.

MWB-1300   Move of contexts fails when using OXContextService > moveContextFileStore
Accessing a file during storage move signals file-not-found error although file list has been retrieved from storage itself.
Pass an appropriate file-not-found handler if file listing was retrieved from storage, but accessing a file fails due to absence. This allows to perform 'checkconsistency' to repair that.

MWB-1303   After 7.10.5 update: 'Missing configuration for nextcloud account' in logs for several users
Extensive logging of error afflicted file-storage accounts when performing a drive search.
Adjusted log level of user-specific errors to "debug".

MWB-1310   OX Vacation notifier Settings Bug
Domains were applied to the existing rule object instead of the updated one.
This has been fixed by applying domain checks to the updated rule.

MWB-1311   Different handling of chronos?action=update when partStat is set to "NEEDS-ACTION"
Reset of participant status behaves differently then removing and adding of the same participant. When participant status is reset also remove hidden flag, so event is displayed for the attendee again (internal attendee). Also, send "invitation" notification (internal attendee) or iTIP (external attendee) mail to attendee with reset status.

MWB-1313   Since 7.10.5 OX-9999 Categories=ERROR Message='Missing attachment identifier in mail part' error
Possible "Missing attachment identifier in mail part" error when parsing draft mail.
This has been fixed by avoiding "Missing attachment identifier in mail part" error.

MWB-1314   "Connect your Device" iPhone (iOS device) overwrites the first account in case you have 2 on the same system
Used same 'PayloadIdentifier' for different users leading to profiles overwriting each other.
Use unique 'PayloadIdentifier' to avoid profiles for different users overwriting each other.

MWB-1319   Usercopy does not copy the user all the time
Possible SQL transaction timeout while trying to copy a user from one context to another: "Lock wait timeout exceeded; try restarting transaction".
Follow the suggestion from MySQL server and repeat the user-copy execution in case an SQL transaction timeout is encountered.

MWB-1342   Variables being reset in mail.properties during patching
RPM post installation script do not have information about the version from or to that is currently upgraded during post installation script execution. Therefore we have not been able in the past to write good post installation scripts that run only once. Today we have that and we can easily fix this issue.
Run that part of the post installation script only once for each deployment.

MWB-1343   Premature end of Content-Length delimited message body error on Image Preview
Possible premature end of stream when reading a Scality object's content.
Gracefully deal with possible premature end of stream when reading a Scality object's content.

OXUIB-470   Token login must not perform autologin call
Very old implementation of tokenlogin mech hard wired into autologin code.
Refactor tokenlogin to be a dedicated login plugin which is running independend of and before the autologin plugin.

OXUIB-536   Signatures not above quoted text on forwarded mail
ForwardUnquoted was not recognized by plaintext editor.
This has been solved by adding forwardUnquoted detection for plaintext editor.

OXUIB-609   "Remove photo" button greyed out after image resolution is too high
Buttons were not enabled after dialog gets idle.
This has been solved by setting dialog to idle also when cropped image can't be loaded.

OXUIB-619   Token input not updated after extension point
Timing issue with extension point and DOM events.
This has been solved by explicitly updating token field view after all extensions have been executed.

OXUIB-661   Popup / popout mail view nearly impossible from list-view
Single and double clicks on the same element were competing and led to inconsistent behavior.
This has been fixed by treating double clicks as single clicks on list elements in list layouts.

OXUIB-677   Mail folder not visible after creation
Event listerners were still listening on an old collection.
This has been fixed by adjusting event listeners after folder rename.

OXUIB-688   Sender name not updated in webmail
Settings were not updated and may contain old account name.
This has been solved by updating settings correctly.

OXUIB-694   Mail cut off without warning
Button was drawn but not visible.
This has been fixed by triggering 'complete' to adjust height again.

OXUIB-733   OX Webmail - After some Onclick action focus does not move
Focus was not set to list after action.
This has been fixed by setting focus to next list item after action.

OXUIB-739   Week forward button ">" does not do anything when language is dutch, view is werkweek and weekstart is zondag
Wrong selection of day with certain (work)week settings.
This has been fixed by removing basic setting dependent .startOf('week') and replace with startOf('isoWeek') in addition to a small adjustment for choosing the correct day.

OXUIB-741   Wrong date in filter rule, previous day
The local time zone was used to render the timestamp in the filter rule.
This has been solved by now using UTC for rendering.

OXUIB-747   Sharing calendar with notification mail for invited user leads to an error
Wrong dirty check caused request that was not needed.
This has been solved by fixing wrong dirty check.

OXUIB-749   Drive guided tour pauses if sharing is disabled
Capabilities were not used correctly, selectors were no longer valid and tour accidentally opened the chat app.
This has been solved by adjusting selectors and capabilities and no longer open the chat app.

OXUIB-767   Mail Forward: Size of attachment is given as a negative number
The file attachment sizes was not orderly advertised with the first request for forwarded mails. File

attachment sizes was always rendered if a size is returned in the response.
Solution: Orderly advertise size of attachments with first request for forwarded mails and only render file sizes that are larger than 0 B, otherwise don't render them at all.

OXUIB-776   Encoded line break doesn't work in mailto link
Missing convert of '\n' to '
 ' when HTML is preferred mode for mails.
This has been solved by adding missing convert of '\n' to '
 '.

OXUIB-777   Improve "Apply mail filter" action on folders
Wording and button position not clear enough.
Moved button "Save and apply rule" to the alternative position. Improved wording.

OXUIB-812   Missing alert when mail not saved due to exceeded quota
Warning was not added to baton and therefore not processed.
Warning gets added to baton now.

OXUIB-813   Wrong dutch translation in mail compose dialog
This has been solved by fixing a typo.

OXUIB-816   Planning view in calendar ignores daylight saving time
Was caused by wrong calculation of offset.
This has been fixed by adjusting offset calculation.

OXUIB-818   Appointments in public folders can not be edited, resulting in endless loading
Appointments were drawn before the 'injectVirtualCalendarFolder' was called.
Now register change listeners for appointments with incomplete folder data to solve this.

OXUIB-820   Signature editor: toolbar cut off
Wrapping of elements were disabled.
This has been fixed by simply wrapping actions in toolbar if not enough space is available.

OXUIB-822   Missing contacts when adding from address book
Wrong parameter within the translation made the warning hard to read.
Fixed parameters within Spanish translations.

OXUIB-823   Signature in Settings not visible
Timeout was introduced with an old Bugfix.
Differentiate between compose and settings-pane as caller. Compose still uses default timeout (15s) when calling snippets getAll. Settings pane does not use any timeout when calling snippets getAll.

OXUIB-828   "Connect your device" - "OX Drive" entry removeable
Was caused by wrong capability check for drive apps.
This has been fixed by adding capability check for drive capability to disable drive menu options.

OXUIB-829   Safari: display error in "connect your device"
Browser have different focus styles.
This has been fixed by adding consistent focus style for all browsers.

OXUIB-830   "Connect your device" functions missing/changed/inconsistent
Missing QR code support for eas.
This has been solved by adding QR code support and MWB-1179.

OXUIB-833   Wrong help page mapped for contacts create/edit window
Missing differentiation between user and contact.
This has been fixed by differentiating between user and contact mapping.

OXUIB-836   CSS for button missing in onboarding menu "Windows" -> "OX-Drive"
Missing style for drive download button.
This has been solved by adding correct style to drive download button.

OXUIB-839   "Setup wizard" partially covered by "Whats New"
Onboarding-hint-popover is shown automatically and visual anchor is hidden behind "whats new".
This has been solved by using Stage instead of Extension to show popover and ensuring popover does not "collide" with other steps visually.

OXUIB-845   Wrong help article referenced in subscribed dialogs
Was caused by wrong references.
This has been fixed by using right references.

OXUIB-852   What is new in this version Information modal displayed in attachment preview
Missing customization for what's new feature list.
This has been solved by adding extension point to customize this list.

OXUIB-854   "Distorted" Error window when restoring a nonexistent draft in a second tab
The error was handled twice although it occurs only once.
The double handling of the error is unnecessary. The error is now displayed in the tab only and this can be closed with "close".

OXUIB-870   "What's New Popup" does not honor the Customers Configuration
Feature checks were not sufficient.
Federated sharing text now also checks if filestorage_xox or filestorage_xctx capabilities are present.
Onboarding wizard now checks for capability client-onboarding and if the setting for the new wizard is actually enabled (io.ox/core//onboardingWizard).

OXUIB-884   Onboarding Wizard "Connect Your Device" not correctly displayed on small iOS Displays
Flex shrink was behaving strangely for small devices.
This has been resolved by removing shrink for some components.

OXUIB-888   Closing a (huge) mail draft with a double click results in an error
Multiple clicks on close button were possible.
This has been solved by disabling buttons in window header when app is closing.

OXUIB-890   Icon highlights in AM1_prod_reseller
The launcher drop-down moved to the left edge of the top bar and received its own section name in CSS.
This has been solved by adding the new section to the others where topbarHover is applied.

OXUIB-891   Signatures can duplicate if you hit save multiple times
Was caused by missing differentiation between success and error state.
This has been solved by idling dialog only when error was returned.

OXUIB-895   Missing "show entire message" button for truncated mails
Class 'mail-detail-content' was added to body element while plain text mails still add a wrapping DIV with that class name beneath the body element.
This has been fixed by adjusting selector to allow adding 'Show entire message' button again.

OXUIB-901   "Internal Sharing of Files and Folders" does not work with HiDrive but is still offered
This was caused by missing check for 'permissions' of folders 'supported_capabilites' property.
This has been solved by adding missing check.

OXUIB-906   Dav sync option shown in address book settings, without dav installed
Was caused by a missing check for capabilites carddav / caldav.

This has been fixed by hiding toggle buttons when carddav or caldav is missing.

OXUIB-917   Several "No such job" error messages for some customers (increasing) after up-date to 7.10.5
UI did not check for error codes and kept requesting long running jobs.
This has been fixed by removing jobs from queue for error code JOB-0002 so they are not requested anymore.

OXUIB-920   "locked" view during running GDPR Export is wrong
When redrawing the default configuration was used all the time.
This has been fixed by only using default configuration when no download is pending. Show re-quested modules instead.

OXUIB-929   Unclear error message when adding a note to a new drive file version which ex-ceeds limit
Missing max length attribute in text field, missing meaningfull error message.
Add max length of 65535 characters. Add better error message.

OXUIB-931   Default rights when sharing a folder to an unnamed user are "Author"
Since the redesign the default was set to author right for folders and viewer rights for files.
Solution: Changed it to default to viewer rights in all cases.

OXUIB-932   Draft autoload on mobile causes huge amount of "draft changed in another tab" messages
This was caused by immediate loading of drafts on mobile.
This has been solved by introducing lazyload for mobile devices.

OXUIB-939   Unable to "sign out from all clients" feature in settings
Feature handles SSO case not as good as it could be.
Moved all relevant parts into extensions.

OXUIB-940   UI window formatting glitch after opening connect your device
CSS selector for steps was too generic.
This has been fixed by using id selectors for wizard steps.

OXUIB-941   Help files for FR-Canada switches to English
This has been solved by adding specific mapping for fr_CA when loading help.

OXUIB-948   File en_SG.js renamed to en_sg.js in package open-xchange-appsuite
Moment renamed en-SG to en-sg.
This has been solved by updating the locale lookup table to new filename.

OXUIB-951   External contact should not be found when "invited guest" is disabled
Addressbookpicker parameters were changed to expect an object but UI only sends a boolean.
Send full option object so only the global addressbook is shown again.

OXUIB-952   Account recover dialog can be opened manually
Was caused by an obsolete ui artefact.
This has been fixed by removing whole part on accounts settings pane.

OXUIB-957   Notifications for mails from external accounts
It was not possible to receive notifications for external mail accounts.
This has been solved by implementing check for external inboxes. Note: This is done via periodic requests and not via sockets, since there is no MW support for this. Implemented a feature switch for this so the current behavior does not change for customers that don't want this.
`io.ox/mail//notificationsForExternalInboxes` default is false.

OXUIB-959   Problems with syncing appointments via CaldDAV and status "Canceled"
UI does not have a way to display cancelled appointments.
Mark cancelled appointments by striked through text, grey color and an info message in the detail view.

OXUIB-963   2fa not working with form/token login anymore
Rampup extensions trying to fetch data without session requiring multifactor.
This has been fixed by exiting the rampup stage early if multifactor is required after login.

OXUIB-964   Wrong dutch translations
Fixes translation.

OXUIB-973   Calendar entries shorter than 1 hour, which straddle an hour, are truncated when printed
Wrong calculation of end time slot (was not based of endtime, but starttime and length).
This has been solved by fixing calculation of endtime slot so the slot that contains the end time is included correctly.

OXUIB-976   Mobile onboarding wizard - Upsell only available for EAS / CalDAV/CardDAV missing
Unnecessary double capability check, which broke upsell configuration.
This has been solved by just checking for one capability for each entry.

OXUIB-1013   Sharing tasks only possible with "View" permissions
Rights changed to viewer for guests without notice.
Now give a notice to user when rights are changed.

OXUIB-1023   Permissions dialog does not support link-only case anymore
Feature were accidentally removed during refactoring.
This has been solved by adding feature again.

OXUIB-1025   Accessing shared files in a certain order fails
Failed virtual folder "request" caused error and error handler failed as 'error' and 'options' were undefined.
This has been solved by adding fallback for 'error' and 'options'.

OXUIB-1035   Guest user: email address field not greyed out / changeable or not?
Added missing check for guest folder id (16).

OXUIB-1045   Reset password inputs are inconsistent and untranslated
Inconsistencies left over after last refactoring, typo in "Confirm new Password".
This has been solved by cleaning up behavior of labels and placeholders to be consistent with the username field, fixed "Password" -> "password".

OXUIB-1050   Invalid fully-qualifying mail folder identifier on mail search using mail main folder
Configured value for special "all messages" folder (through property "com.openexchange.find.basic.mail.allMessagesFolder") is not a fully-qualified mail folder identifier. UI had a 300ms delay before disabling the select button in the folder picker. This allowed picking invalid folders.
Don't expect fully-qualified mail folder identifiers when performing a mail search. Remove 300ms delay in UI and implement failsave for invalid folders, so invalid folders should no longer be selectable.

OXUIB-1051   GET/POST adding needless question mark when no url params are set
GET/POST generally added a '?' to the requesting URL.
This has been solved by removing needless '?' for GET/POST requests when no url params a set.

OXUIB-1052   Settings -> Default App not needed for guest users
Check doesn't check for number of apps.

OXUIB-1054   Windows: anniversary field and Date of birth field trimmed in Google Chrome
Input not wide enough.
Decrease spaces between inputs to make them wider.

OXUIB-1060   Scheduling shows 1h off after time change
In rare cases when adding the start hours for "only working hours" mode can lead to wrong calculations due to different offset values.
Mind the offset and add it if necessary to solve this issue.

OXUIB-1065   Different order for displayed contact field than in edit mode
Move field telephone_company "up" to match edit form.

OXUIB-1066   Creating mail results in error messages
When loading the Mail Compose dialog in the mobile view it is possible that the mail quota has not been updated yet and therefore the default value is stored. This leads to the assumption that the mail quota has been reached.
The method with which the mail quota is evaluated has been adjusted to solve this issue.

OXUIB-1069   Useless sharing options still available (not greyed out)
Option button was drawn in any cases (not checking any conditions).
Remove option completely if user is not allowed to apply changes and remove option completely if user is not allowed to apply changes.

5   Changes relevant for Operators

5.1   Changes of Configuration Files

Change #SCR-810   Drop "-XX:NewRatio=3" option from JVM options
Drop "-XX:NewRatio=3" option from "JAVA_OPTS_GC" JVM garbage-collector options in file '/opt/open-xchange/etc/ox-scriptconf.sh' to let JVM use its default value of 2.

Change #SCR-818   New parameter to control login behavior of USM client
After the semantics of the login action were adjusted with SCR-418 (store action dropped, staySignedIn flag added), sessions created by the USM service on the middleware may time out too early in default configurations. Therefore, a new property is introduced through which the USM client will pass the staySignedIn parameter during the login action, defaulting to true.
To control the behavior, the new property com.openexchange.usm.ox.stay_signed_in is added in configuration file usm.properties as follows:
```
# Specifies for Connections whether to stay signed in (avoids expiration of running sessions
to the OX server).
# Default: true
com.openexchange.usm.ox.stay_signed_in=true
```

Change #SCR-834   Configuration to change CalDAV display name for standard folders
com.openexchange.caldav.standardFolderDisplayName

CalDAV display name for the standard folder. Placeholder [foldername] and [owner] are possible. [foldername] is the localized String of default folders.
Default is [foldername].
Parameter is reloadable but not config cascade aware (always server wide).

Change #SCR-835   Configuration to change CalDAV display name for shared folders.
com.openexchange.caldav.sharedFolderDisplayName

CalDAV display name for shared folders. Placeholder [foldername] and [owner] are possible. [foldername] is the localized String of default folders, or the folder name as-is for non-default folders. Default is [foldername] ([owner]).
Parameter is reloadable but not config cascade aware (always server wide).

Change #SCR-842   Added missing MIME type entry to /opt/open-xchange/etc/mime.types file

Added missing MIME type entry for XCF file format to /opt/open-xchange/etc/mime.types file. Therefore file is enhanced by the following entries:

```
...
image/x-rgb rgb
image/x-xbitmap xbm
image/xcf xcf <--------- NEW
image/x-xcf xcf <--------- NEW
image/x-xpixmap xpm
image/x-xwindowdump xwd
...
```

Change #SCR-856   Added options to specify when a triggered update execution is considered as timed out

Added several options to update task feature:

- com.openexchange.groupware.update.refreshIntervalMillis
  Specifies the reloadable interval in milliseconds when to refresh/update lock's last-touched time stamp. Needs to be lower than configured idle times for blocking and background update tasks. A number of less than or equal to 0 (zero) lets application fall-back to default value. The default value is 20000 (every 20 seconds)

- com.openexchange.groupware.update.locked.idleMillis
  Accepts the reloadable number of milliseconds specifying the allowed idle time for acquired lock for non-background update tasks. If that idle time is exceeded the locked is considered as timed-out and update process is re-initiated. The chosen value is required to be greater than the value of property "com.openexchange.groupware.update.refreshIntervalMillis". A number of less than or equal to 0 (zero) means infinite idle time. The default value is 60000 (60 seconds)

- com.openexchange.groupware.update.background.idleMillis
  Accepts the number of milliseconds specifying the allowed idle time for acquired lock for background update tasks. If that idle time is exceeded the locked is considered as timed-out and update process is re-initiated. The chosen value is required to be greater than the value of property "com.openexchange.groupware.update.refreshIntervalMillis". A number of less than or equal to 0 (zero) means infinite idle time. The default value is 0 (disabled)

Change #SCR-858   Fixed typo in property name prefix

Fixed typo in property name prefix for HTTP client related properties:

com.openenexchange.httpclient. –> com.openexchange.httpclient.

Existent properties need to be renamed.

Change #SCR-861   Added option to enable conversion of Unicode characters in ZIP archive entry names with somewhat reasonable ASCII7-only characters

Added lean boolean option "com.openexchange.gdpr.dataexport.replaceUnicodeWithAscii" to enable conversion of Unicode characters in ZIP archive entry names with somewhat reasonable ASCII7-only characters. Neither reloadable nor config-cascade aware. Default is false.

Change #SCR-871   New settings for OX Drive synchronization

The following lean configuration settings are introduced to improve the synchronization of very

large directory subtrees:

- **com.openexchange.drive.maxSyncProcessingTime**

  Configures the processing time (in seconds) after a running syncFiles- or syncFolders-operation is cancelled. This can be helpful during initial synchronizations where no previously calculated checksums are available, and a long running request would otherwise be interrupted by a proxy timeout. The value can be defined using units of measurement: "m" (=minutes), "s" (=seconds) and "m" (=minutes). Defaults to 90s.

- **com.openexchange.drive.lazyDirectoryChecksumCalculation**

  Configures whether directory checksums should be calculated in a lazy way or not. If enabled, server directory checksums will be retrieved in chunks according to the configured "maxDirectoryActions", which may reduce the processing time for the initial sync of large directory subtrees. Defaults to true.

The new settings are reloadable and can be configured through the config-cascade.

Change #SCR-878   New lean property 'com.openexchange.drive.maxConcurrentSyncFolders'
The following new lean configuration setting is introduced:

com.openexchange.drive.maxConcurrentSyncFolders

It specifies the configured limit for concurrent syncFolders-Operation that is allowed to be performed by a single user.
The new setting is re-loadable and can be configured through the config-cascade.
The default value is: 3

Change #SCR-880   Added a bunch of on/off configuration switches for subscription services
Added a bunch of lean on/off configuration switches for subscription services:

- com.openexchange.subscribe.dav.gmx.de
  The on/off configuration switch for gmx.de subscription

- com.openexchange.subscribe.dav.tonline.de
  The on/off configuration switch for T-Online.de subscription

- com.openexchange.subscribe.dav.web.de
  The on/off configuration switch for web.de subscription

- com.openexchange.oauth.google.contact
  The on/off configuration switch for Google subscription

- com.openexchange.oauth.microsoft.graph.contact
  The on/off configuration switch for MS Livee subscription

- com.openexchange.subscribe.xing
  The on/off configuration switch for XING subscription

- com.openexchange.subscribe.socialplugin.yahoo
  The on/off configuration switch for Yahoo subscription

Change #SCR-881   Added new lean property which allows to configure a domain for drive apns push messages
Added the lean property com.openexchange.drive.events.apn2.ios.domain which allows to configure a string which is used as the domain field and as the collaps id of drive push messages.

Change #SCR-882   New MIME type entries for Apple file formats in file /opt/open-xchange/etc/mime.types

In order to recognize Apple-specific media/office formats correctly, the following entries are added to /opt/open-xchange/etc/mime.types:

```
...
application/vnd.antix.game-component atx
application/vnd.apple.installer+xml mpkg
application/vnd.apple.keynote key <--------- NEW
application/vnd.apple.mpegurl m3u8 m3u <--------- NEW
application/vnd.apple.numbers numbers <--------- NEW
application/vnd.apple.pages pages <--------- NEW
application/vnd.audiograph aep
application/vnd.blueice.multipass mpm
...
```

Change #SCR-883   Override MW default liveness port for DocumentConverter server with port 8017

Introducing a configurable liveness port in backend project requires to overwrite that default port in DocumentConverter service - relying on the backend code stack - in

```
/opt/open-xchange/documentconverter/etc/overwrite.properties
```

For the DocumentConverter service, the liveness port to overwrite is 8017.

```
com.openexchange.connector.livenessPort=8017
```

Change #SCR-884   Overwrite MW default liveness port for ImageConverter server with port 8018

Introducing a configurable liveness port in backend project requires to overwrite that default port in ImageConverter service - relying on the backend code stack - in

```
/opt/open-xchange/imageconverter/etc/overwrite.properties
```

For the ImageConverter service, the liveness port to overwrite is 8018

```
com.openexchange.connector.livenessPort=8018
```

Change #SCR-887   New properties to configure LDAP Contacts Provider

The new LDAP-based contacts provider can be configured through the following newly introduced .yml files:

contacts-provider-ldap.yml
contacts-provider-ldap-mappings.yml

Templates for these files containing comprehensive examples will be installed to /usr/share/doc/open-xchange-contacts-provider-ldap/examples/.

After providers are defined, they can be enabled for users through the new config-cascade-enabled property com.openexchange.contacts.provider.ldap, which accepts a comma-separated list of contacts provider identifiers. Additionally, a separate property to control the cache refresh interval is introduced (com.openexchange.contacts.ldap.cache.expire).

These properties, as well as the separate configuration files are reloadable. More information is available at https://documentation.open-xchange.com/7.10.6/middleware/contacts/contacts_provider_ldap.html

Change #SCR-907   Added new lean configuration option to control execution frequency of special data export clean-up task

Added new lean configuration option to control execution frequency of special data export clean-

up task:

- com.openexchange.gdpr.dataexport.cleanup.delay
  Specifies the execution frequency of special data export clean-up task. Neither reloadable nor config-cascade-aware. Default value is "6h" (6 hours).

Change #SCR-911 New user calendar property for auto processing of iMIP mails

With the version 7.10.6 of the Open Xchange server, unattended processing of incoming iMIP mails will be possible. Thus, a user doesn't need to update events by hand any more.

However, with automatically processing comes a new threat to the user. Attackers could spam the user with iITP/iMIP mails, flooding her calendar. Therefore, we introduced a new user property. The property will be available and modifiable over the JSLob (API). The new property is called auto-ProcessIMip which will be available under the chronos section in the calendar properties.
The property has three values:

- always - to always apply changes from iMIP mails (if applicable from MW view)

- known - For either lookup against

    - attendees in an already existing events

    - known contacts of the user in her address book for unknown events

- never - to never automatically apply data, which reflects the handling of previous versions

The default value will be known.

The admin can pre-configure the user value over the server property com.openexchange.calendar.autoProcessIMip which default is known, too.

Change #SCR-912 New properties to control usage of internal contacts folders in enterprise picker

New lean, reloadable and config-cascade aware configuration properties are introduced, allowing to define whether "internal" contacts folders (from the default, database-backed contacts provider) are enabled for usage in the special enterprise contact picker or not:

com.openexchange.contacts.usedInPicker.[type]
com.openexchange.contacts.usedInPicker.[type].protected

Both default to true, meaning that the folders will be considered in the picker, not changeable by clients. For both properties, the placeholder [type] can be replaced by one of the available folder types private, shared or public.

Further details are available at https://documentation.open-xchange.com/components/middleware/config/7.10.6/#mode=search&term=com.openexchange.contacts.usedInPicker

Change #SCR-919 Added new lean properties to configure Global Address Book folder name

Added new lean properties to configure Global Address Book folder name:

- **com.openexchange.contacts.gabFolderName**

    Defines the Global Address Book folder name. Possible values:
    global_address_book -> 'Global address book'
    internal_users -> 'Internal Users'
    all_users -> 'All Users'
    custom -> Custom defined name.
    Please see com.openexchange.contacts.customGabFolderName.[locale]

The property can be specified through the config-cascade down to scope context.

- **com.openexchange.contacts.customGabFolderName.[locale]**

Defines a custom Global Address Book folder name.
locale can be replaced to define a locale specific custom name. A fallback can be specified by omitting [locale]. The properties are only considered if `com.openexchange.contacts.gabFolderName` is set to custom.

Example:
```
com.openexchange.contacts.customGabFolderName=Family Members
com.openexchange.contacts.customGabFolderName.de_DE=Familienmitglieder
```

The property can be specified through the config-cascade down to scope context.
It is also recommended to add custom folder names to the reserved folder names file in /opt/open-xchange/etc/folder-reserved-names to prevent unintended side effects.

Change #SCR-920   Configuration to define a timeframe for mails to be scanned for autoschedule
com.openexchange.calendar.autoProcessIMipTimeframe

Defines a timeframe within mails are scanned when automatically processing incoming scheduling mails. The timeframe is from now back on the configured value. Anything earlier will be ignored. The value can be defined using units of measurement: "W" (=weeks), "D" (=days) and "H" (=hours). A value of "0" implies no restrictions.

Default is 4W (four weeks).

Change #SCR-922   Property to disable auto scheduling
With the version 7.10.6 of the Open-Xchange Server, a new mechanism called auto-scheduling was implemented. Auto-scheduling will automatically process incoming iTIP/iMIP mails to the user's calendar (if feasible).
One way for the server to recognize new and unprocessed iMIP mails is over a so called MailFetchListener.
The listener allows the server to process iMIP mails whenever a mail is loaded from the mail server. This however has drawbacks when the mail server doesn't support user flags or loading of the mail's BODYSTRUCTURE. Then, the server has to look into each mail part to find possible iCAL attachments which might result in further loading from the mail server, efficiently slowing down the Open-Xchange server.
To avoid such situations, a new property is introduced which controls the listener. The new property is called

com.openexchange.calendar.autoProcessIMipOnMailFetch=true

with the default value of true.

Change #SCR-931   Introduced some Hazelcast-specific properties to enable & configure diagnostics logging
Introduced some lean Hazelcast-specific properties to enable & configure diagnostics logging.

- com.openexchange.hazelcast.diagnostics.enabled
  The option to enabled/disable Hazelcast diagnostics logging

- com.openexchange.hazelcast.diagnostics.directory
  Specifies the directory to use for the diagnostics log file. If not specified the common logger is used.

- com.openexchange.hazelcast.diagnostics.max.rolled.file.size.mb
  A rolling file approach is used in case diagnostics log file is configured to prevent creating too much data. By default 10 files of 50MB each are allowed to exist. The size of the file can be changed using this property

- com.openexchange.hazelcast.diagnostics.max.rolled.file.count
  A rolling file approach is used in case diagnostics log file is configured to prevent creating too much data. By default 10 files of 50MB each are allowed to exist. The number of files can be changed using this property

- com.openexchange.hazelcast.diagnostics.filename.prefix
  Configures the prefix for the diagnostics file. By deafult 'diagnostics-...log' is used.

Change #SCR-933   Added option to enable/disable deputy permission feature

Added new lean option to enable/disable deputy permission feature.

- com.openexchange.deputy.enabled
  Enables or disables the feature to grant deputy permissions to other users. Default is false. Both - reloadable and config-cascade-aware.

Change #SCR-937   Added missing MIME type entry to /opt/open-xchange/etc/mime.types file

Added missing MIME type entry for NIFF file format to /opt/open-xchange/etc/mime.types file. Therefore file is enhanced by the following entries:

```
...
image/x-xpixmap xpm
image/x-xwindowdump xwd
image/niff niff nif <--------- NEW
image/x-niff niff nif <--------- NEW
inode/blockdevice
inode/chardevice
...
```

Change #SCR-938   New properties for cross context free/busy and conflict check

With the version 7.10.6 of the Open Xchange server there will be the possibility to perform cross context free/busy and conflict checks. Because this feature might not be useful for every operating scenario, the checks will be enabled by the new configuration properties

```
com.openexchange.calendar.enableCrossContextFreeBusy
com.openexchange.calendar.enableCrossContextConflicts
```

Both properties are set to false per default, thus, both checks are disabled by default.

Change #SCR-940   Removed the XctxFreeBusyProvider and corresponding property

Due to the new cross-context Free/Busy lookup that works without a share, the XctxFreeBusyProvider has become superfluous. Therefore, it is removed with the version 7.10.6. Along the provider, the property

```
com.openexchange.calendar.xctx2.enableFreeBusy
```

is removed, which has been the feature toggle for the provider.

Change #SCR-944   New properties for handling use counts for external contacts providers

Added properties:

- com.openexchange.objectusecount.cleanupTimespan
  Defines the timespan until an unused object use count is decreased.

- com.openexchange.contacts.useCountLookAhead
  Contacts in search results may get sorted based on their frequency of usage by the requesting user, so that users experience better suggestions e.g. when auto-completing names of mail recipients while typing. For contacts from external storages that don't have built-in counters for the individual usages, a certain look-ahead factor for the maximum number of results can be specified, which will get applied to the client-defined limit when forwarding the search request to the external storage.

Change #SCR-956 Removal of property "com.openexchange.calendar.useLegacyScheduling"

The temporarily available lean configuration property com.openexchange.calendar.useLegacyScheduling (which defaulted to false) is now removed after it is no longer applicable with the adjusted scheduling stack, along with the removal of the parent bundle com.openexchange.chronos.itip (SCR-921).

Change #SCR-957 IMip Push User resolve mode

`com.openexchange.calendar.pushedIMipResolveMode`

Configures how iMIP mails that are pushed to the server will be associated to groupware users. This property can be configured to one of the following modes:

- "recipientOnly": Only the email's recipient is considered and resolved through the configured MailResolver service.

- "synthetic": The push message's username is expected in <userid>@<contextid> notation.

- "mailLogin": The push message's username is the mail login, which is then resolved through a configured MailLoginResolver service.

- "loginInfo": The push message's username is expected in <username>@<loginmapping> notation and resolved through corresponding login mappings.

The property is not config cascade aware.

The property is reloadable.

Change #SCR-962 New properties to enable and configure the mail login resolver service

The following new lean properties have been introduced to enable and configure the mail login resolver:

- com.openexchange.mail.login.resolver.enabled
  Configures if the mail login resolver service is used to resolve mail logins or not.
  Default: false

- com.openexchange.mail.login.resolver.ldap.enabled
  Configures if the LDAP-based mail login resolver service is enabled or not.
  Default: false

- com.openexchange.mail.login.resolver.ldap.clientId
  LDAP client identifier from ldap-client-config.yml.
  Default:

- com.openexchange.mail.login.resolver.ldap.mailLoginSearchFilter
  Specifies the LDAP search filter to find mail logins by userId and contextId. Placeholder `[mailLogin]` will be replaced by the given mail login.
  Default: (oxLocalMailRecipient=[mailLogin])

- com.openexchange.mail.login.resolver.ldap.mailLoginSearchScope
  Specifies the LDAP search scope to resolve mail logins.
  Default: SUB

- com.openexchange.mail.login.resolver.ldap.userIdAttribute
  Specifies the attribute which is used to find the userId in the LDAP search result.
  Default: oxUserId

- com.openexchange.mail.login.resolver.ldap.contextIdAttribute
  Specifies the attribute which is used to find the contextId in the LDAP search result.
  Default: oxContextId**

- com.openexchange.mail.login.resolver.ldap.entitySearchFilter
  Specifies the LDAP search filter to find entities by their mail logins. Placeholder [uid] and [cid]
  will be replaced by the given userId and contextId.
  Default: (&(oxContextId=[cid])(oxUserId=[uid]))

- com.openexchange.mail.login.resolver.ldap.entitySearchScope
  Specifies the LDAP search scope to resolve entities.
  Default: SUB

- com.openexchange.mail.login.resolver.ldap.mailLoginAttribute
  Specifies the attribute which is used to find the mail login in the LDAP search result.
  Default: oxLocalMailRecipient

- com.openexchange.mail.login.resolver.ldap.cacheExpire
  Specifies, in seconds, how long already resolved mail logins or entities are cached.
  Default: 600

Change #SCR-979 Adjusted defaults for "com.openexchange.servlet.maxRateLenientClients"

The default value of the configuration property com.openexchange.servlet.maxRateLenientClients
is adjusted to match further user agent strings used by OX Drive clients.

The new default value will be:

```
"Open-Xchange .NET HTTP Client*", "Open-Xchange USM HTTP Client*",
"Jakarta Commons-HttpClient*","OX Drive*", "OX%20Drive*",
"OpenXchange.Android.Drive*", "OpenXchange.iOS.Drive*", "DriveFileProvider*"
```

Change #SCR-980 Added new lean property to specify time-to-live for folder caches
Added new lean property:

- "com.openexchange.imap.folderCacheTimeoutMillis"
  Specifies the time-to-live in milliseconds for an initialized folder cache. Only effective if prop-
  erty "com.openexchange.imap.allowFolderCaches" is set to "true" (default). The property is
  reloadable and config-cascade aware.

5.2 Changes of Database Schema

Change #SCR-821 Add new table "oxfolder_reservedpaths" to user-payload database
When the SQL InnoDB parameter innodb_locks_unsafe_for_binlog is set to 1 (disabling GAP locking)
it might happen that folder names aren't unique anymore.
To efficiently remove the issue, it is necessary to create a new database table called oxfolder_re-
servedpaths that explicit manages folder path uniqueness at the database level. Therefore the up-
date task com.openexchange.tools.oxfolder.OXFolderUniqueness.CreateFolderReservedPathUpdate-
Task will add that new table:

```
CREATE TABLE oxfolder_reservedpaths (
cid INT4 UNSIGNED NOT NULL,
parent INT4 UNSIGNED NOT NULL,
fnamehash bigint(64) NOT NULL,
expires bigint(64) NOT NULL,
PRIMARY KEY (cid, parent, fnamehash)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci
```

Change #SCR-825   Introduced table to user database to coordinate database clean-up tasks among cluster nodes

Introduced table "cleanupJobExecution" to user database to coordinate database clean-up tasks among cluster nodes:
```
CREATE TABLE cleanupJobExecution (
id VARCHAR(64) CHARACTER SET latin1 COLLATE latin1_general_ci NOT NULL,
timestamp BIGINT(64) NOT NULL,
running TINYINT UNSIGNED NOT NULL default '0',
PRIMARY KEY (id)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
```

Change #SCR-826   Update task to correct invalid timezone identifiers in table "user"

Due to a previous issue, it was possible to assign invalid or unknown timezone identifiers for users. These wrong values cause problems in clients, and are therefore corrected to the configured DE-FAULT_TIMEZONE through the update task com.openexchange.groupware.update.tasks.CorrectInvalidTimezoneIdsTask.

Change #SCR-892   DTSTAMP for calendar events

Currently, calendar events contain a timestamp of when they were last touched. That timestamp is managed by the local server instance. When working with other calendar systems (events organized by externals) this timestamp doesn't necessarily reflect the last modified timestamp (DTSTAMP) of the master copy managed by the external calendar system.
Now, whenever an update by the external organizer is received that only contains smaller changes (represented by an increased DTSTAM), we can't say for sure if we need to apply those changes. This is based on the fact that the update mail might have been received out-of-order and newer data already has been applied. However, we can't compare the DTSTAMP of the organizers' copy with the persisted timestamp, as they reflect different timestamps of modification.
To make the decision deterministic, a new field for the event class is introduced, called dtstamp, which reflects the last modified timestamp as provided by the external organizer. To persist this knowledge, a new column called dtstamp is introduced for the tables calendar_event and calendar_event_tombstone.

Change #SCR-893   SEQUENCE column for calendar_attendee table

Currently, sequence numbers for an event are saved on a per-event basis. This is problematic when it comes to the decision if replies from attendees still need to be applied in cases where replies are received out-of-order.
To avoid situations in which outdated replies are applied, a new column called sequence is introduced for the calendar_attendee table. Thus, sequence numbers are persisted on a per-attendee basis, making the decision deterministic.

Change #SCR-901   Added new columns to mail account tables

Added two new columns to mail account table "user_mail_account" and "user_transport_account".

- "secondary TINYINT UNSIGNED NOT NULL DEFAULT 0" Stores a flag whether the account is a secondary account or not. Cannot be altered by clients, but only set through provisioning interface

- "deactivated TINYINT UNSIGNED NOT NULL DEFAULT 0" Stores a flag whether associated account has been deactivated by user. Deactivated accounts appear in account listings, but will not show up in folder listing

Change #SCR-934   Added new table to store basic information for a deputy permission
Added new table to user database to store basic information for a deputy permission:
```
CREATE TABLE `deputy` (
`uuid` binary(16) NOT NULL,
`cid` int(10) unsigned NOT NULL,
`user` int(10) unsigned NOT NULL,
`entity` int(10) unsigned NOT NULL,
`groupFlag` tinyint(1) NOT NULL DEFAULT '0',
`sendOnBehalfOf` tinyint(1) NOT NULL DEFAULT '0',
`moduleIds` text COLLATE utf8mb4_unicode_ci NOT NULL,
PRIMARY KEY (`uuid`),
KEY `id` (`cid`,`user`,`uuid`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci
```

Change #SCR-943   New database table to handle generic use counts, added lastModified column to existing table

- Added new table generic_use_count to be able to handle use counts for external contacts providers:
```
CREATE TABLE `generic_use_count` (
`cid` int(10) unsigned NOT NULL,
`uuid` binary(16) NOT NULL,
`user` int(10) unsigned NOT NULL,
`module` int(4) unsigned NOT NULL,
`account` int(4) unsigned NOT NULL,
`folder` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
`object` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
`value` int(10) unsigned NOT NULL,
`lastModified` bigint(20) NOT NULL,
PRIMARY KEY (`cid`,`uuid`),
UNIQUE KEY `usercount` (`cid`,`user`,`module`,`folder`,`object`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci
```

- Moreover, added lastModified column to object_use_count table to be able to decrease use counts for meanwhile unused contacts:
```
lastModified` bigint(20) DEFAULT NULL
```

5.3   Changes of Commandline Tools

Change #SCR-809   Add pagination to CLI Tools: listuser, listcontext, listusersbyaliasdomain, listuserfilestores
Added length and offset parameters to the following command-line tools:

- listuser

- listcontext

- listusersbyaliasdomain

- listuserfilestores

- Example for listuser

```
./listuser -A oxadmin -P secret -c 3
Id Name Displayname Email qmax qused
```

```
3 anton anton anton anton@context3.ox.test -1
4 berta berta berta berta@context3.ox.test -1
5 caesar caesar caesar caesar@context3.ox.test -1
6 dora dora dora dora@context3.ox.test -1
7 emil emil emil emil@context3.ox.test -1
8 no-reply no neply no-reply@context3.ox.test -1
2 oxadmin oxadmin oxadmin@context3.ox.test -1
./listuser -A oxadmin -P secret -c 3 --length 3 --offset 2
Id Name Displayname Email qmax qused
4 berta berta berta berta@context3.ox.test -1
5 caesar caesar caesar caesar@context3.ox.test -1
6 dora dora dora dora@context3.ox.test -1
```

Change #SCR-854   Added new parameters "image1" and "image1_content_type"

Introduced two new parameters "image1" and "image1_content_type" for the CLTs 'createuser' and 'changeuser' in order to set, change or remove the user's contact-picture.

```
--image1 <stringvalue> The contact picture as base64 encoded string or "file://" URI
--image1_content_type <stringvalue> The content type of the contact picture
```

Change #SCR-899   Added new command-line tools for management of secondary mail accounts

Added new command-line tools for management of secondary mail accounts.
See `https://documentation.open-xchange.com/7.10.6/middleware/command_line_tools/secondary_accounts.html` for details.

5.4   Changes of Behavior

Change #SCR-879   On-behalf management of incoming iMIP messages

Starting with v7.10.6 of the Open-Xchange Server users will be able to completely manage another users calendar by also handling incoming iMIP messages for the other user and thus also managing updates to calendar resources.
The new behaviour can be achieved by sharing a calendar(write access) and the mail inbox(read access) to another internal user. This internal user then can process incoming messages for the other user like she is used to for her own inbox.

5.5   Changes of Packaging

Change #SCR-845   Removed obsolete package 'open-xchange-gui-help-plugin'

Removed package 'open-xchange-gui-help-plugin' and associated bundle 'com.openexchange.configuration.onlinehelp' from core repository.

Change #SCR-885   Deprecation of "open-xchange-contact-storage-ldap"

The package open-xchange-contact-storage-ldap is deprecated and will be removed in a future release. As alternative, open-xchange-contacts-provider-ldap is available that provides a more advanced and flexible integration of LDAP address books into App Suite. Please check the upgrade guide at `https://documentation.open-xchange.com/7.10.6/middleware/contacts/contacts_provider_ldap.html` for how to switch to the new plugin.

Change #SCR-886   New package "open-xchange-contacts-provider-ldap"

A new package named open-xchange-contacts-provider-ldap is introduced, providing a contacts provider plugin that accesses an LDAP server. With this new provider, the previously available open-xchange-contact-storage-ldap becomes obsolete. More information is available at `https://documentation.open-xchange.com/7.10.6/middleware/contacts/contacts_provider_ldap.html`.

6 Changes relevant for Developers

6.1 Changes of external APIs

Change #SCR-831   Additional endpoints for liveness and readiness checks
New REST endpoints for liveness and readiness checks

Liveness: GET localhost:8016/live
Always responds with HTTP status 200 OK, is available as soon as possible when JVM starts. Port may be changed via "com.openexchange.connector.livenessPort" property.

Readiness: localhost:8009/ready
Executes health-checks as configured and returns result HTTP status 200 OK if all checks passed, 503 Service unavailable if at least one health-check failed and 500 Internal server error on severe errors when health-checks cannot be executed. Response body is always empty. Port may be changed via "com.openexchange.connector.networkListenerPort" property.

Change #SCR-844   Changed default content type to application/json
Previously the default content type of server responses was text/javascript. This has been changed to application/json which is more accurate.

Change #SCR-876   Added field unique_id to infoitem data
With MW-1529 a new field for infoitem data is introduced. The unique_id is a lifetime unique identifier of a file that does not change e.g. after move or rename operations. The value is a of type String and read-only. The column number is 726.

Change #SCR-896   Introduced new mail account fields
Introduced two new mail account fields:

- "secondary" (1051) A flag signaling whether mail account is a secondary mail account. A secondary mail account is an account located at primary mail backend, shipping with same features (permissions), but accessible by multiple users. That flag cannot be modified by a client.

- "deactivated" (1052) A flag signaling whether mail account is deactivated. A deactivated mail account does not occur in any folder listings and can be modified by clients.

6.2 Changes of internal APIs

Change #SCR-877   Added field uniqueId to Interface com.openexchange.file.storage.File
MW-1529 introduces a lifetime unique identifier for files. For this purpose, the uniqueId field and the corresponding getter and setter are added to the com.openexchange.file.storage.File interface.

- `/**`

- `*`

- `* Gets the lifetime unique identifier of the file that does not change e.g. after move or rename operations.`

- `*`

- `* @return The lifetime unique identifier.`

- `*/`

- `String getUniqueId();`

- `/**`

- *

- * Sets the lifetime unique identifier of the file that does not change e.g. after move or rename operations.

- *

- * @param uniqueId The lifetime unique identifier.

- */

- void setUniqueId(String uniqueId);

6.3 Changes of provisioning APIs

Change #SCR-807   Added pagination to SOAP OXUserServicePortType.listByAliasDomain and OXResellerUserServicePortType.list

Added length and offset as parameter to the following functions:

- com.openexchange.admin.soap.user.soap.OXUserServicePortType.listByAliasDomain

- com.openexchange.admin.soap.reseller.user.reseller.soap.OXResellerUserServicePortType.list

Change #SCR-808   Added pagination to RMI OXUserInterface.listByAliasDomain and OXUser.listUsersWithOwnFilestore

Added length and offset as parameter to the following RMI functions:

- com.openexchange.admin.rmi.OXUserInterface.listByAliasDomain

- com.openexchange.admin.rmi.impl.OXUser.listUsersWithOwnFilestore

Change #SCR-855   Added "image1" and "image1_content_type" to User object

Added new getter and setter methods to 'com.openexchange.admin.rmi.dataobjects.User' in order to get and set the user's contact picture and corresponding content type.

```
/**
 * Returns the image of this user object
 *
 * @return The image
 */
public byte[] getImage1()

/**
 * Sets the image of this user object
 *
 * @param image The image to set
 */
public void setImage1(byte[] image)

/**
 * Returns the image1 content type of this user object
 *
 * @return The content type of image1
 */
public String getImage1ContentType()

/**
```

```
 * Sets the content type of image1
 *
 * @param contentType The content type to set for image1
 */
public void setImage1ContentType(String contentType)
```

 Change #SCR-898   Added new SOAP end-point for management of secondary mail accounts
Added new SOAP end-point for management of secondary mail accounts
(`{{{http://soap.admin.openexchange.com} OXSecondaryAccountService}}`) typically reachable at:
http://localhost:8009/webservices/OXSecondaryAccountService
That end-point offers the possibilities to create, update, delete and list secondary mail accounts.

create
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:soap="http://soap.a
xmlns:xsd="http://dataobjects.soap.admin.openexchange.com/xsd" xmlns:xsd1="http://dataobjects.rmi.adm
<soapenv:Header/>
<soapenv:Body>
<soap:create>
<soap:accountData>
...
</soap:accountData>
<soap:context>
<xsd:id>?</xsd:id>
</soap:context>
<!--Zero or more repetitions:-->
<soap:users>
<xsd:id>?</xsd:id>
</soap:users>
<!--Zero or more repetitions:-->
<soap:groups>
<xsd:id>?</xsd:id>
</soap:groups>
<soap:auth>
<xsd1:login>?</xsd1:login>
<xsd1:password>?</xsd1:password>
</soap:auth>
</soap:create>
</soapenv:Body>
</soapenv:Envelope>
```

update
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:soap="http://soap.a
xmlns:xsd="http://dataobjects.soap.admin.openexchange.com/xsd" xmlns:xsd1="http://dataobjects.rmi.adm
<soapenv:Header/>
<soapenv:Body>
<soap:update>
<soap:primaryAddress>?</soap:primaryAddress>
<soap:accountDataUpdate>
...
</soap:accountDataUpdate>
<soap:context>
<xsd:id>?</xsd:id>
</soap:context>
<!--Zero or more repetitions:-->
<soap:users>
<xsd:id>?</xsd:id>
</soap:users>
<!--Zero or more repetitions:-->
```

```
<soap:groups>
<xsd:id>?</xsd:id>
</soap:groups>
<soap:auth>
<xsd1:login>?</xsd1:login>
<xsd1:password>?</xsd1:password>
</soap:auth>
</soap:update>
</soapenv:Body>
</soapenv:Envelope>
```

delete

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:soap="http://soap.
xmlns:xsd="http://dataobjects.soap.admin.openexchange.com/xsd" xmlns:xsd1="http://dataobjects.rmi.adm
<soapenv:Header/>
<soapenv:Body>
<soap:delete>
<soap:primaryAddress>?</soap:primaryAddress>
<soap:context>
<!--Optional:-->
<xsd:id>?</xsd:id>
</soap:context>
<!--Zero or more repetitions:-->
<soap:users>
<xsd:id>?</xsd:id>
</soap:users>
<!--Zero or more repetitions:-->
<soap:groups>
<xsd:id>?</xsd:id>
</soap:groups>
<soap:auth>
<xsd1:login>?</xsd1:login>
<xsd1:password>?</xsd1:password>
</soap:auth>
</soap:delete>
</soapenv:Body>
</soapenv:Envelope>
```

list

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:soap="http://soap.
xmlns:xsd="http://dataobjects.soap.admin.openexchange.com/xsd" xmlns:xsd1="http://dataobjects.rmi.adm
<soapenv:Header/>
<soapenv:Body>
<soap:list>
<soap:context>
<xsd:id>?</xsd:id>
</soap:context>
<!--Zero or more repetitions:-->
<soap:users>
<xsd:id>?</xsd:id>
</soap:users>
<!--Zero or more repetitions:-->
<soap:groups>
<xsd:id>?</xsd:id>
</soap:groups>
<soap:auth>
<xsd1:login>?</xsd1:login>
<xsd1:password>?</xsd1:password>
```

```
</soap:auth>
</soap:list>
</soapenv:Body>
</soapenv:Envelope>
```

Change #SCR-897   Added new RMI interface for management of secondary mail accounts
Added new RMI interface for management of secondary mail accounts (com.openexchange.ad-min.rmi.OXSecondaryAccountInterface) available at `rmi://localhost:1099/OXSecondaryAccount`
That interface offers the possibility to create, update, delete and list secondary mail accounts.

7   Tests

Not all defects that got resolved could be reproduced within the lab. Therefore, we advise guided and close monitoring of the reported defect when deploying to a staging or production environment. Defects which have not been fully verified, are marked as such.

   To avoid side effects, the shipped packages have gone through automated regression test on both, a Continuous Integration System and a dedicated server set-up 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.

8   Fixed Bugs

DOCS-2709, DOCS-2619, DOCS-3144, DOCS-3189, DOCS-3190, DOCS-3222, DOCS-3237, DOCS-3239, DOCS-3248, DOCS-3473, DOCS-3536, DOCS-3588, DOCS-3611, DOCS-3629, DOCS-3684, DOCS-3843, MWB-667, MWB-745, MWB-792, MWB-868, MWB-888, MWB-891, MWB-892, MWB-903, MWB-924, MWB-928, MWB-930, MWB-934, MWB-951, MWB-954, MWB-958, MWB-967, MWB-987, MWB-990, MWB-994, MWB-999, MWB-1000, MWB-1007, MWB-1008, MWB-1011, MWB-1013, MWB-1014, MWB-1017, MWB-1023, MWB-1024, MWB-1029, MWB-1040, MWB-1043, MWB-1046, MWB-1049, MWB-1052, MWB-1058, MWB-1065, MWB-1072, MWB-1077, MWB-1083, MWB-1106, MWB-1108, MWB-1109, MWB-1130, MWB-1132, MWB-1137, MWB-1145, MWB-1148, MWB-1153, MWB-1159, MWB-1162, MWB-1164, MWB-1167, MWB-1169, MWB-1179, MWB-1207, MWB-1209, MWB-1213, MWB-1220, MWB-1222, MWB-1223, MWB-1224, MWB-1229, MWB-1231, MWB-1232, MWB-1234, MWB-1244, MWB-1247, MWB-1248, MWB-1256, MWB-1265, MWB-1266, MWB-1272, MWB-1281, MWB-1290, MWB-1296, MWB-1300, MWB-1303, MWB-1310, MWB-1311, MWB-1313, MWB-1314, MWB-1319, MWB-1342, MWB-1343, OXUIB-470, OXUIB-536, OXUIB-609, OXUIB-619, OXUIB-661, OXUIB-677, OXUIB-688, OXUIB-694, OXUIB-733, OXUIB-739, OXUIB-741, OXUIB-747, OXUIB-749, OXUIB-767, OXUIB-776, OXUIB-777, OXUIB-812, OXUIB-813, OXUIB-816, OXUIB-818, OXUIB-820, OXUIB-822, OXUIB-823, OXUIB-828, OXUIB-829, OXUIB-830, OXUIB-833, OXUIB-836, OXUIB-839, OXUIB-845, OXUIB-852, OXUIB-854, OXUIB-870, OXUIB-884, OXUIB-888, OXUIB-890, OXUIB-891, OXUIB-895, OXUIB-901, OXUIB-906, OXUIB-917, OXUIB-920, OXUIB-929, OXUIB-931, OXUIB-932, OXUIB-939, OXUIB-940, OXUIB-941, OXUIB-948, OXUIB-951, OXUIB-952, OXUIB-957, OXUIB-959, OXUIB-963, OXUIB-964, OXUIB-973, OXUIB-976, OXUIB-1013, OXUIB-1023, OXUIB-1025, OXUIB-1035, OXUIB-1045, OXUIB-1050, OXUIB-1051, OXUIB-1052, OXUIB-1054, OXUIB-1060, OXUIB-1065, OXUIB-1066, OXUIB-1069, DOCS-3309, DOCS-3201, DOCS-3200, DOCS-3199, MWB-993, MWB-1067, MWB-1094, MWB-1113, MWB-1116, MWB-1185, MWB-1208, MWB-1216, MWB-1219, MWB-1259, MWB-1260, MWB-1322, OXUIB-837, OXUIB-838, OXUIB-872, OXUIB-1092,