



Release Notes for Release 7.10.1
2018-11-28

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1 General Information

OX App Suite v7.10.1

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

Next Generation Calendar Improvements

OX App Suite v7.10.1 introduces usability improvements for OX Calendar such as cancel-reasons, improved folder selection, clickable links in appointment fields (e.g. title fields), changing appointment series with exceptions and automatically declining an appointment when deleting it.

Improved Notifications

OX Calendar also comes with improved push-behavior and the ability to send out email notifications. Users simply need to use the new "Mail" option in the reminder settings for an appointment. This then schedules a reminder email for the appointment. The email also contains information about the appointment.

Additional security options

With this new release Open-Xchange introduces an editable whitelist to the product. This allows specified domains, or senders, to be automatically authorized. Email content from domains listed on the whitelist, i.e. from trusted sources, are loaded without any additional confirmation.

Enhancements for Cloud Deployments

The OX App Suite 7.10.1 middleware has been enhanced, and endorsed, for being run in the Amazon Web Services environment. Open-Xchange has reviewed the service portfolio of Amazon Web Services and functionally tested it for better compatibility with certain AWS platform services.

OX Documents v7.10.1

For service providers looking to attract customers, OX Documents is the perfect hook. Fully integrated into OX App Suite, OX Documents now includes the following new features:

Faster previewing of documents

Text documents, spreadsheets and presentations with embedded metafiles such as drawings, charts or OLE-objects can now be previewed much faster. This significantly improves the user experience of OX Documents.

Web optimized PDF

The OX Documents Viewer now uses "linearized" PDF. This allows for a streaming-like behavior to view documents one page at a time without downloading the entire PDF first. This provides users with an immediate preview of the selected file.

Zooming improvements

Images in the OX Documents Viewer can now be zoomed in and zoomed out via double click and tap. In addition there are now zoom buttons for images and a new option to start a slideshow for images.

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/portfolio/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 Knowledgebase at: http://oxpedia.org/wiki/index.php?title=AppSuite:Version_Support_Committment

- Open-Xchange discontinues support for Apple iOS 10 with OX App Suite v7.10.1.

2 Shipped Product and Version

Open-Xchange AppSuite backend 7.10.1-rev3
Open-Xchange AppSuite frontend 7.10.1-rev4
Open-Xchange Documents 7.10.1-rev3
Open-Xchange Documents Frontend 7.10.1-rev3
Open-Xchange Readerengine 7.10.1-rev3
Open-Xchange Documentconverter 7.10.1-rev3
Open-Xchange Documentconverter API 7.10.1-rev3
Open-Xchange Imageconverter 7.10.1-rev3
Open-Xchange PDF Tool 7.10.1-rev3
Open-Xchange USM 7.10.1-rev1
Open-Xchange EAS 7.10.1-rev1
Open-Xchange Hazelcast Enterprise 7.10.1-rev2
Open-Xchange Drive Restricted 7.10.1-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 7.10.0. Solutions for vulnerabilities have been provided for the existing code-base via Patch Releases.

61315 Cookies maintained when autlogin fails

In cases where the user did not enable "stay signed in" but did reload the browser it appeared as if the session would have been terminated since a login prompt was shown. However, existing cookies were maintained and allow API actions for the users account. This situation was caused by trying to automatically login, which fails in this scenario, but not removing existing cookies in case the login failed. Thanks to amalyoman.

60241 Direct references for iCal "ATTACH" exposes data

Importing iCal files allowed to reference attachments at other users appointments. Those references were not correctly checked for permissions, which could be exploited to extract confidential data from other users within the same context. CVE-2018-18464, thanks to stemcloud.

60089 Media-type modification through Drive API

The API to sync mobile and desktop OX Drive clients allowed to modify a files media-type to an arbitrary value. This could be used to bypass sanitizers that apply rules based on a files media-type. We added a method to recognize and reject such changes using the Drive API. CVE-2018-18462, thanks to secator.

60088 Sanitizer bypass for script code at plain-text content

When using a specific set of quotes and links at plain-text mails, those would be converted to HTML entities but not sanitized. Opening the content could then execute malicious script code. We now make sure to sanitize and purify such content after processing plain-text mails. CVE-2018-18462, thanks to secator.

60025 CSRF for PDF conversion

As random parameters at requests to the Documentconverter components were not checked, a client-side request forgery attack was possible. This could be used to extract confidential information from documents when being used in combination with a social engineering attack. CVE-2018-18463, thanks to stemcloud.

59798 Information about secret appointments could be extracted

The calendar API did expose unnecessary information about appointments flagged as "secret" at shared folders. When having access to a shared calendar, this could be used to get metadata about this kind of appointment. We reduced the amount of information provided for such appointments significantly so that no actual information is leaked. CVE-2018-18464, thanks to stemcloud.

59653 Script gadgets could lead to XSS

Certain HTML content at mail attachment file names was detected and used as parameter by the "bootstrap" frontend component. This could lead to script execution when hovering the attachment as the file name would be injected to DOM (to show a tooltip) but not be sanitized. CVE-2018-13104, thanks to s1ck-sec.

59507 PIM attachments could inject script code

Attachment file names for PIM objects (like appointments, contacts) were appended without ensuring they do not contain any markup. This could lead to script execution when checking the objects attachments. We now transform attachment names to text nodes before using them as dropdown labels to prevent markup injection into the DOM. CVE-2018-13104, thanks to Zhihua Yao.

59365 Appointment description could inject script code

Plain-text URLs at appointment descriptions were injected as HTML without further processing, which could lead to script execution if those URLs contain script code. We now use existing mechanisms to generate safe URLs.

4 Bugs fixed with this Release

This section provides a summary of bug fixes and changes that have been applied subsequently to shipping Release 7.10.0. Some of the announced bug fixes may have already been fixed at the existing code-base via Patch Releases.

59051 View will vanish for HTML and other not supported file types

Root cause: The concept has changed. If the view button is shown now depends on if the Viewer can display the file.

54765 Guest quota not working as expected

Guest quota was not working as expected. This has been solved by removing a frontend quota check.

57529 Deadlock when registering push listeners

In case permanent mail push listeners get registered at an excessive rate, for example when redirecting proxy traffic, deadlocks could occur. We reduced the need for locking to prevent this situation.

58142 IAE for UserSettingMail at MailUploadQuotaChecker

Failed to read value for config-tree path warnings when opening share links. We no longer apply shared compose settings if not available to solve this issue.

58329 Multiple taxonomyTypes definitions possible for one context

Changes that were made for release 7.10.0 to improve provisioning have been made on the wrong assumption that the primary key for the table `contextAttribute` is defined as (``cid``, ``name``) but

it was configured to be (``cid``, ``name``, ``value``) which allowed to specify multiple values. This has been fixed by adjusting primary key to be (``cid``, ``name``) and properly prepare content before.

58419 Illegal charsets led to error when browsing mail folders

Specific broken mails contain broken encodings for senders, this led to user-facing error messages even though users can't solve the issue. We improved the check for illegal charsets in such cases and now catch the error.

58532 Garbled attachment names in JIS encoding

In cases where a plain-text attachment name was too short to allow reliable charset detection (8bytes), a fallback to ANSI was used. We improved this by always advertising the charset parameter for such attachments as a more likely fallback.

58733 Deleting user causes high load

Concurrent loading of stale data into cache while deletion is not yet committed caused a problem. This has been fixed by introducing a cache eviction listener and its respective registry. Implemented listeners to evict folder cache entries after the database transaction is committed.

58849 Recursive folders in Trash get not unsubscribed when deleting

Only direct subfolders were unsubscribed. We now properly unsubscribe all subfolders to solve this issue.

58857 IMAP "special use" flag ignored

The wrong name has been stored as the fullname (e.g. 'Spam123' instead of 'subfolder.Spam123') and this folder was created on the root level. This has been solved by using the proper fullname instead of the short name.

58913 Error when searching at external Drive account

When using search at external drive accounts for the first time, an error could occur. This has been solved by always adding a "account" facet to be sure the right account is provided for the search request.

58938 Checks not case sensitive when moving folder in Drive

The cause of this issue was that the origin folder was used for capability checks instead of the destination folder. This has been solved by using the destination folder instead when doing "move" operations.

59057 Error when exporting Birthday calendar

When trying to export the "birthday" calendar, an exception was raised in some edge cases. We have added additional logging to find the root cause for this.

59113 Unexpected messages within threads

In cases where mails contained empty strings as reference headers, such mails could be sorted into conversations where they don't belong. We solved this by only considering non-empty references headers when building mail threads.

59183 Multiple push notifications generated

Multiple IMAP-IDLE listeners spawned for a user in a cluster for unknown reason. This has been solved by changing handling of IMAP-IDLE listeners: Extended logging to check why a new IMAP-IDLE listener was spawned, more aggressive refreshing of acquired cluster lock and avoiding (remotely) checking existence of sessions for existing cluster lock entries and immediately tear-down of an IMAP-IDLE listener once it times out.

59211 Missing contact images

When using upper-case mail addresses the referenced contact image was not always shown. We solved this by matching addresses in a case insensitive way.

59291 Mail from "phpmailer" not displayed

Loading IMAP part by reference failed for mails generated by certain scripts. The IMAP server did signal zero bytes when using relative section identifier "TEXT" in such cases. This has been solved by retrying to fetch IMAP part in case no specific section identifier was used. Using specific section identifier works without problems.

59333 Error when migrating calendar database

Malformed organizer/principal data in the legacy calendar storage caused a runtime exception when encoding extended organizer properties for the new storage. This has been solved by detecting and omitting invalid organizer "SENT-BY" data.

59419 Issues accessing mailboxes with specific password char

Due to a library update, credentials were sent in a different encoding. This led to a compatibility issue with a former workaround, which now got removed.

59528 Error loading corrupt mails

It was not possible to display messages fetched from IMAP having a corrupt BODYSTRUCTURE information. More robust handling with IMAP messages having a corrupt BODYSTRUCTURE information solves this issue.

59684 Sending draft email with vcard fails

The "vcard" parameter was parsed and written differently when dealing with draft mails. Solution: Lenient evaluation of "vcard" parameter.

59692 Archive folder not created automatically

Trying to issue an EXAMINE command against a non-existent folder yields a `FolderNotFoundException`. This has been fixed by treating a possible exception as folder cannot be opened.

59711 Grizzly not starting if IP range can't be resolved

The hostname was used to create the octets. If the hostname is not an IP address the conversion failed. This has been solved by using host address instead of hostname to calculate octets.

59753 Error when dragging mail from an externally linked account

The `1sub` entry couldn't be resolved because of a naming mismatch: "Inbox" vs "INBOX". This has been fixed by storing `1sub` entries also under the original fullname, so no error is displayed while moving mails from external accounts.

59773 Incorrect rotation pattern for Grizzly logs

Grizzly access logging did incorrectly use day of year instead of day of month. This has been fixed by adjusting the corresponding libraries date pattern.

59899 Unable to change "anniversary" attribute via CLI

It was not possible to update the "anniversary" parameter for contacts when using the `changeuser` command-line tool. This has been updated to mimic the "birthday" parameter in terms of date format.

59914 Compromised account mail headers

Frontend passed wrong information to middleware in case personal part of "From" address contains brackets as a workaround for another old issue. This has been solved by removing the workaround.

60017 WebDAV upload overrides context quota and can thus fill up underlying filestore

Proper cleanup in case of runtime exceptions while writing to filestore.

60097 Legacy 3-byte UTF-8 used for `oauthAccounts`

The `oauthAccounts` table of new database schemas was still using the legacy 3-byte UTF-8 encoding default. This has been updated to `utf8mb4` by adding explicit assignments of `CHARSET` and `COLLATION`.

60115 Read receipt sent for Draft mails

When working with mails saved as draft, the read receipt setting was not considered. This could lead to unexpected read receipts.

60161 IP change detected with X-Forward

Websocket request didn't consider the X-Forward header. We're now properly considering the header and configured whitelisted IPs.

60262 Changing a user's email address leads to calendar errors

Changing the email address with the command line tools led to error messages. This has been solved by checking if passed user reference contains updated email addresses or aliases.

60277 vCard gets attached multiple times

Wrong vCard file name representations are compared. This has been solved by checking proper vCard file name representations.

60346 Attempted password recovery for Unified Mail

Even though password recovery was disabled, the process was launched in some cases where we incorrectly detected "Unified Mail" constructs as external mail accounts. This has been solved by ignoring such constructs when checking for external accounts.

60382 Incorrect copyright holder

OX changed its headquarter to lovely Cologne, we updated this information at the "About" dialog as well.

60418 Calendar not displayed

When the same email address is set as an alias for multiple users, a calendar user address URI may get resolved to the wrong user. We now prefer the referenced users addresses when resolving calendar user addresses to solve this issue.

60460 Error message while composing mail

When composing mail and selecting specific mail addresses through autocomplete, an error was thrown. This was related to the sort order for relevancy of individual contacts. We solved that by using a fall-back sort order in such cases.

60668 Removing user fails due to calendar error

When running in legacy calendar mode, certain user accounts could not be deleted due to constraints at their calendar data. This was solved by handling half-migrated data on the legacy storage.

60718 Strange error message when Quota is exceeded

Simplified the message when quota was exceeded. Message may not be translated in every language yet.

60745 Database migration fails with "max key length" error

No explicit change of column length in keys on liquibase changesets. This has been fixed by changing key definition.

60789 Inconsistent "Chronos" update task dependencies

Documentation was not up to date about newly added update tasks. Updated Documentation.

60826 Sharing is not fully capable to deal with "segmented updates"

The `LOCATED_IN_ANOTHER_SERVER` exception was not properly handled in the `ShareServlet`. This has been fixed by handling the exception properly, i.e. redirect the client to the appropriate node. Introduced a new `migrationRedirectURL` property for the servlet to use in order to send a redirect to the correct node.

60828 Segmented updates doesn't work with multiple domains

The feature has been designed to only serve one `migrationRedirect` URL. This has been solved by

adding the possibility to configure the `migrationRedirectURL` on a per-host basis via `as-config.yml`.

60874 SOAP "user change" method is not backward compatible

Naming changed from `drive_folder_mode` to `drive_user_folder_mode`. Solution: Accept and output alternative `drive_folder_mode` element for passing `drive_user_folder_mode`.

60889 Provisioning calls do not always consider server name/ID when looking up contexts

Missed possibility to check if a context exists in a certain server.

This has been solved by adding possibility to check a context's existence in the scope of the registered server, in which the called provisioning node is running in. Thus the client is able to check before-hand, in which setup a context exists.

60895 Errors when moving context to database schema

In case the `ma1poll` bundle was installed earlier, certain database tables would be created. After removing this component, the context mover routine would stumble upon those now unknown tables. We solved that by catching the error and warn about unknown tables that would not be moved instead of failing.

60901 createModuleAccessByName is not backward compatible

Transferring deprecated "clusterWeight" element leads to a SOAP fault.

This has been solved by ignoring deprecated "clusterWeight" element in incoming SOAP request.

60928 Calendar export 0 bytes

It was not possible to export a calendar.

This has been fixed by avoiding IAE when TimeZone can't be found by adding NullGuard.

60936 Webdav mount shown as caldav

Also fixed by the Bugfix from #61044.

61044 Dav account shows up multiple times in security active clients

Missing conversion when receiving clients of family webdav. Until now, the CalDAV/CardDAV fallback was used.

This has been solved by showing WebDAV for webdav clients in the UI.

61200 Duplicate column name when running database update

The `AddOriginColumnToInfostoreDocumentTable` database update-task had an incomplete check for existing table columns. This could lead to situations where a column would be added again, leading to SQL errors. We added a check for this.

61240 DAV sessions are maintained until restart

When removing a DAV client as active session, using `closeSession` or changing the users password, DAV sessions were maintained until service restart even though they are expected to be invalidated. We now look up those sessions and close them properly.

61254 Errors when syncing iOS Calendar using CalDAV

When a CalDAV client performs a listing of all child resources in an event collection, some specific event properties need to be queried from the storage that were not yet whitelisted when checking against the configured maximum list of returned results. This led to an internal error, which was indicated as HTTP 400 for the client. We now allow unlimited result lists when getting CalDAV-specific meta properties from events.

61293 Moveuserfilestore inserts duplicate entry in table filestore2user

Wrong PRIMARY KEY specified for "filestore2user" table, which allows duplicate entries per user.

This has been solved by avoiding duplicate entries in "filestore2user" table when moving user's file storage.

61420 Missing profile picture when using PIM configuration

In cases where the global address book was disabled, the users profile picture was not shown. This

has been solved by de-coupling access to the own contact picture from GAB permissions.

61465 Errors during database update

When running database update-tasks with long duration, errors could be thrown as it was attempted to commit to an idle database connection that was already closed on database side in the meantime. We removed the need for this commit command and don't use any surrounding database connection if the `intermediateCommits` setting is enabled.

61613 Issues with syncing calendars using CalDAV

A fallback path mapping for CalDAV clients that synchronize a single static collection causes calendars to appear duplicated in another 3rd party client that does not remove no longer advertised collections automatically. We now try a fallback to legacy collection name only for Thunderbird/Lightning but not all clients.

61615 Unable to export certain calendars

We added improvements to avoid empty calendar exports in some special cases and find the actual root cause.

61655 Unable to unlock databases while migrating

In some cases database updates to the calendar could leave a schema in "locked" state. Unlocking such schemas could fail due to database read timeouts. We now detect such timeouts and invalidate context cache nevertheless, which means schemas would get unlocked properly.

61667 OIDC implementation not standard compliant

The OAuth2 spec defines the "scope" parameter as optional in case the grant type is `authorization_code`. We adjusted our implementation to be compliant to this.

61720 High load during mail parsing

HTML-to-text conversion of mail bodies could take a long time, potentially leading to excessively long running threads. We added a new timeout for this operation which defaults to 10 seconds.

54765 Guest quota not working as expected

Guest quota was not working as expected.
This has been solved by removing frontend quota check.

57850 Logging out as test user (sometimes) not possible

Mail compose did not unregister its logout extension point if startup fails. This causes the logout to abort as the extension is still there for a non-existing mail compose instance.
This has been fixed by removing logout extension if app startup fails.

58586 Contacts scrollbar cannot be used with IE

We added a workaround for IE11 to enable scrollbars for contacts.

58895 Contacts with Email 2 field in distribution list do not populate

No filtering and yells for those emails.
This has been solved by adding yells and filtering.

59051 Unable to preview HTML attachments

We added a check to make sure the "View" button for attachments only gets displayed if the Viewer can display the file.

59054 Mail with 2 or more attachments - only 1 attachment gets forwarded

When using `reset` on a backbone collection with plain js objects, the `reset` function removes objects which looks like to have the same identifier and only one attachment was displayed.
Prevent this by creating models first and then use `reset`.

59060 Unexpected mailbox ordering

Mailbox order was off in case a user defined "Inbox" to be the archive folder. We added some ro-

business to make sure folders cannot be duplicates and lead to odd sort decisions.

59206 Custom logo doesn't display if logoAction is set

Custom logo was intentionally hidden on smartphones.
Show logo on smartphone again to solve this issue.

59251 Incorrect plural form for screen readers

When using a screen reader, the "unread" counter for mailboxes would contain a msgstr placeholder instead of the actual number of unread messages. We solved this by updating the translation file.

59252 Screenreader won't return to message list

When using a screen reader and focusing the message body frame, "escape" would not return to the message list. This has been solved.

59306 Min/Max/Close buttons lack aria-label

The buttons to minimize, maximize or close a floating window were using generic "Button" aria-label attributes instead of defining their actual usage. This has been changed and we now provide information what those buttons would do.

59307 Screen reader improvements for tasks

The tasks toolbar and its buttons were not providing correct aria information, this has been solved by adding a new role and handling the case where no button would be visible.

59336 Mail buttons where reported as menu items to screen readers

We added new roles and attributes to the mail toolbar, enabling actions to be identified as buttons.

59339 Missing labels for appointment modification dialog

Buttons for contact selection and appointment visibility were lacking aria labels. This has been fixed.

59454 Empty list in case search returns no results

When a search for contacts or other objects would not return a result, the corresponding list would just be empty. We changed that in a way that a descriptive text is used to inform that no items were found.

59651 Unnecessary SIEVE connections

Mailfilter information was requested on each automatic or manual global refresh. We modified this to save some connections and reduce latency, mailfilter information will now be updated only when working at the respective settings page.

59756 Sieve Rule with "redirect" and "keep" are changed to "redirect :copy"

When creating the auto-forward rule it was not checked if the used sieve action "copy" exists. Now, if the sieve action "copy" is not available the combination "redirect" / "keep" is retained to solve this issue.

59851 Incorrect documentation on theming

Documentation for theming was incorrect with regards to a background image. This has been updated.

59860 Missing translation for empty mail bodies

When leaving the mail body empty and using Dutch translation, an empty string was part of the warning message. This has been solved by updating the related translation.

59957 Mail selected after login, might not be visible to user

Selected mail not scrolled into view.
Now scroll selected mail into view to have this mail displayed.

60011 End Date is displaying off by one after saving calendar recurrence

The date is stored in UTC but was converted to a localized date by momentjs which could lead to a wrong date in some cases.

This has been fixed by converting the rule to a date in utc time to prevent timezone offsets to display a different date.

60013 Attachment actions not shown on certain mail

Content type with upper case letters do not pass the attachment check for inlineimages.

Made content type check case-insensitive for inline images to solve this issue.

60140 Mail content not displayed

Sanitizer removed attributes needed for mail styling.

This has been solved by improving sanitizer so styles are preserved.

60274 Login - password length restricted to 100 characters (maxlength="100")

This has been solved by increasing MaxLength for password.

60380 Address book sort order is different based on the number of contacts

Sortname was the same with multiple contacts, so no clear sorting order.

This has been fixed by adding the first valid mail address as second sorting criteria, if sortnames are the same.

60388 "Forgotten attachment?" message displays by sending e-mail in NL

Dutch translation contained a double pipe (| |) which was used in a regular expression which matches all strings.

This has been solved by making the code more robust against empty strings.

60457 Search intermittently displays no folder information with results

Increase robustness for mail by using loader information directly instead of a derived property value. Now the folder is always displayed in a search result.

60565 No UI message if pop account not working

The error handler for errors like this was missing.

This has been solved by adding the missing error handler. If an account is unfunctional a popup appears announcing the error. In case of a pop3 account this happens after the configured refresh interval.

60602 Missing translation for vacation notice

The vacation notice rule was not properly translated and sorted (should always be on top) when viewing the mail filter overview. This has been fixed.

60619 Drive shown although disabled

When disabling a capability to access Drive, the corresponding icon was shown at the top bar (used for upsell) but the settings area was available too. We removed the ability to access settings for "upsell" features.

60698 Contact list selected, contacts get deselected when clicking on group header

No differentiation between keyboard "clicks" and touch/mouse "clicks".

Support autoselect only for keyboard navigation to solve this.

60850 Mail windows not usable after re-login

Missing fail handler for savepoints.

Solution: Being robust when savepoints are incomplete and remove savepoints of deleted draft mails.

60936 Webdav mount shown as caldav

Also fixed by the Bugfix from #61044.

61017 Missing units for "size" related mail filter conditions

The dialog to define size related mail filter conditions has been updated to be more usable and specific with regards to size units.

61023 Translation error on tooltip

Wrong function was used to get the translated text.
Now using correct function to get the right translation.

61026 Setting menu does not move when browser windows get maximized

No closing on resizing led to this issue.
This has been fixed by adding event handler to close dropdowns on resize.

61385 Automatic logout not using custom locations

The automatic sign-out feature redirects the user to the default login page and was not considering a custom logout location configuration. This got fixed.

56589 Decline appointment as a secretary deletes the appointment for everyone

A missing "participants" array in the updated appointment data was misinterpreted so that participants got removed.
Take over original participant data in case they're not explicitly set by the client.

56342 Show and hide name while mail compose

After hiding and showing your name, it is was still hidden.
This has been fixed by storing current account "displayname" right from the start and keep in updated every time a instance of mail compose is created.

5 Changes relevant for Operators

5.1 Changes of Configuration Files

Change #SCR-193 Changed default value of `com.openexchange.push.allowedClients`

New property default property value is now `com.openexchange.push.allowedClients="USM-EAS*", "open-xchange-mobile-api-facade"`

Change #SCR-195 Added config options to setup delivering Drive events via APNS HTTP/2

Added config options to setup delivering Drive events via APNS HTTP/2:

- `com.openexchange.drive.events.apn2.ios.enabled` to enable/disable push event notifications to clients using the HTTP/2 base Apple Push Notification service (APNS HTTP/2) for iOS devices.
- `com.openexchange.drive.events.apn2.ios.authtype` sets the authentication type to use when communicating with APNS HTTP/2 end-point. Allows the values `certificate` and `jwt`. `certificate` signals to connect to APNs using provider certificates while `jwt` signals to connect to APNs using provider authentication JSON Web Token (JWT)
- `com.openexchange.drive.events.apn2.ios.topic` configures the app's topic, which is typically the bundle ID of the app
- `com.openexchange.drive.events.apn2.ios.keystore` specifies the path to the local keystore file (PKCS #12) containing the APNS HTTP/2 certificate and keys for the iOS application, e.g. `/opt/open-xchange/etc/drive-apns.p12`. Required if `com.openexchange.drive.events.apn2.enabled` is `true`, `com.openexchange.drive.events.apn2.ios.authtype` is `certificate` and the package containing the restricted drive components is not installed.
- `com.openexchange.drive.events.apn2.ios.password` specifies the password used when creating the referenced keystore containing the certificate of the iOS application. Note that blank or null passwords are in violation of the PKCS #12 specifications. Required if `com.openexchange.drive.events.apn2.enabled` is `true`, `com.openexchange.drive.events.apn2.ios.authtype` is `certificate` and the package containing the restricted drive components is not installed.

- `com.openexchange.drive.events.apn2.ios.production` indicates which APNS service is used when sending push notifications to iOS devices. A value of `true` will use the production service, a value of `false` the sandbox service.
- `com.openexchange.drive.events.apn2.ios.privatekey` specifies the private key used to connect to APNs using provider authentication JSON Web Token (JWT). Required if `com.openexchange.drive.events.apn2.enabled` is `true`, `com.openexchange.drive.events.apn2.ios.authtype` is `jwt` and the package containing the restricted drive components is not installed.
- `com.openexchange.drive.events.apn2.ios.keyid` specifies the key identifier used to connect to APNs using provider authentication JSON Web Token (JWT). Required if `com.openexchange.drive.events.apn2.enabled` is `true`, `com.openexchange.drive.events.apn2.ios.authtype` is `jwt` and the package containing the restricted drive components is not installed.
- `com.openexchange.drive.events.apn2.ios.teamid` specifies the team identifier used to connect to APNs using provider authentication JSON Web Token (JWT). Required if `com.openexchange.drive.events.apn2.enabled` is `true`, `com.openexchange.drive.events.apn2.ios.authtype` is `jwt` and the package containing the restricted drive components is not installed.

Change #SCR-199 Added parameter `com.openexchange.mail.remoteContentPerDefault`

When creating a user a value is assigned if the users client should load remote content in HTML mails by default. To avoid setting CLT option 'load-remote-mail-content-by-default' each time when creating a user the config value '`com.openexchange.mail.remoteContentPerDefault`' was introduced

Change #SCR-207 New configuration option `com.openexchange.export.ical.limit`

For self protection purposes, a limitation for the maximum number of components when exporting to the iCalendar format is introduced, defaulting to 10000.

Change #SCR-208 Remove default database connection properties

The following configuration options are removed from the `configdb.properties`:

- `readProperty.3=useUnicode=true`
- `readProperty.4=characterEncoding=UTF-8`
- `readProperty.5=autoReconnect=false`
- `readProperty.6=useServerPrepStmts=false`
- `readProperty.7=useTimezone=true`
- `readProperty.8=serverTimezone=UTC`
- `readProperty.9=connectTimeout=15000`
- `readProperty.10=socketTimeout=15000`
- `writeProperty.3=useUnicode=true`
- `writeProperty.4=characterEncoding=UTF-8`
- `writeProperty.5=autoReconnect=false`
- `writeProperty.6=useServerPrepStmts=false`
- `writeProperty.7=useTimezone=true`
- `writeProperty.8=serverTimezone=UTC`
- `writeProperty.9=connectTimeout=15000`
- `writeProperty.10=socketTimeout=15000`

These are just default values. They are now hard coded defaults and can be overridden by the new 'dbconnector.yaml' file which then affects all connections.

The properties can still be set and will then affect only the config db connections. If this is configured differently than the defaults, the configuration doesn't need to be changed. The order is:

configdb.properties > dbconnector.yaml > hard coded defaults

Change #SCR-209 New database connection configuration file

Added a new file `dbconnector.yaml`. This file is completely optional as are all options in it. Information about the file can be found at <https://documentation.open-xchange.com/7.10.1/middleware/components.html>

Order is for context database connections is: `dbconnector.yaml` > hard coded defaults
Order for configuration database connections is: `configdb.properties` > `dbconnector.yaml` > hard coded defaults

Change #SCR-219 Added new setting io.ox/mail/features/imageResize

Added new setting `io.ox/mail/features/imageResize`. It contains the following settings object: `{enabled:bool, small:int medium:int large:int quality:float (0.0-1.0), imageSizeThreshold:int, fileSizeThreshold: int, fileSizeMax: int}`

- `enabled`: boolean switch to enable or disable the feature
- `small`: integer to set the target image size (longest edge) for a small image (default 320)
- `medium`: integer to set the target image size (longest edge) for a medium image (default 640)
- `large`: integer to set the target image size (longest edge) for a large image (default 1024)
- `quality`: float to set the compression quality while resizing (default 0.75)
- `imageSizeThreshold`: integer that set the threshold for the size in pixel of the longest edge after which a resize is recommended (default 1024)
- `fileSizeThreshold`: integer that set the threshold for the size in byte of the image after which a resize is recommended (default 1048576)
- `fileSizeMax`: integer that set the maximum size in bytes that will be resized, if one image is over this threshold the resize will not be displayed (default 10485760)

Change #SCR-220 Added new setting io.ox/mail/features/selectBeforeDelete

Added new setting `io.ox/mail/features/selectBeforeDelete`. Boolean switch to enable or disable this feature (default: true). If set to false no messages will be automatically selected after deleting, moving or archiving. Take note that if this is set to false a11y will be broken.

Change #SCR-221 Added sse.encryption property

Extended the `com.openexchange.filestore.s3.[filestoreId].encryption` property with the possibility to configure both client- and server-side encryption.

For this a new encryption type named 'sse-s3' was introduced. Client- and server-side encryption can be combined by concatenating the encryption types with a '+' sign. E.g. to combine both client- and server-side encryption: `com.openexchange.filestore.s3.mys3storage.encryption = rsa+sse-s3`

Change #SCR-223 Update Hazelcast encryption properties

new properties for hazecast to enable transport encryption.

Change #SCR-227 Added a new lean property to configure the path to the maxmind database

Added the new lean property "`com.openexchange.geolocation.maxmind.databasePath`" which is used to configure the path to the maxmind geolocation database.

Change #SCR-229 Adjusted property `com.openexchange.ipcheck.mode`

Extended the possible modes of the '`com.openexchange.ipcheck.mode`' property with '`countrycode`'. This mode performs an ip check based on the country code of the geolocation of the ip address.

Change #SCR-233 Add system properties for imap/smtp proxy support

- `mail.imap.proxy.host`
- `mail.imap.proxy.port`
- `mail.imaps.proxy.host`
- `mail.imaps.proxy.port`
- `mail.smtp.proxy.host`
- `mail.smtp.proxy.port`
- `mail.smtps.proxy.host`
- `mail.smtps.proxy.port`
- `mail.imap.proxy.nonProxyHosts`
- `mail.smtp.proxy.nonProxyHosts`

Change #SCR-234 Adding PDF page extraction tool properties

These new configuration property items are to be added to the `documentconverter-client.properties` file of the `open-xchange-documentconverter-client` package:

- `com.openexchange.documentconverter.client.pdfextractor.installDir`
- `com.openexchange.documentconverter.client.pdfextractor.installDir`

Change #SCR-235 Added properties to configure auto-deletion of Drive item versions

- Accept capability `autodelete_file_versions` which enables (or disables if absent) the auto-deletion of Drive document/file versions. For instance, that capability may be managed through config-cascade-wise setting the `com.openexchange.capability.autodelete_file_versions` configuration option. It is only effectively enabled for users that have the "infostore" permission set.
- Added lean configuration option `com.openexchange.infostore.autodelete.editable`, which specifies whether a user may change/edit the auto-delete settings
- Added lean configuration option `com.openexchange.infostore.autodelete.default.retentionDays`, which specifies the default value to assume for how many days multiple versions of a Drive item/document are kept until they are automatically deleted. However, the current version is never deleted regardless of its age. Cleanup is triggered whenever a new versions is about to be added to an existent Drive item/document. A value equal to or less than 0 (zero) disables the auto-deletion by retention days. Users may set that value on their own if property `com.openexchange.infostore.autodelete.editable` signals "true", in which case this default value is no more considered. Requires the "autodelete_file_versions" capability to be available for a user.
- Added lean configuration option `com.openexchange.infostore.autodelete.default.maxVersions`, which specifies the default value to assume for how many multiple versions of a Drive item/document are allowed to be maintained. If the number of versions for a Drive item/document exceeds that threshold, oldest ones are automatically deleted. Cleanup is triggered during

user login. A value equal to or less than 0 (zero) disables the auto-deletion by max. allowed number of versions. Users may set that value on their own if property `com.openexchange.infostore.autodelete.editable` signals "true", in which case this default value is no more considered. Requires the `autodelete_file_versions` capability to be available for a user.

Change #SCR-236 Removed "CalendarCache" configuration from cache.ccf

The following section is no longer used and therefore has been removed from `cache.ccf`:

- `jcs.region.CalendarCache=`
- `jcs.region.CalendarCache.cacheattributes=org.apache.jcs.engine.CompositeCacheAttributes`
- `jcs.region.CalendarCache.cacheattributes.MaxObjects=100000`
- `jcs.region.CalendarCache.cacheattributes.MemoryCacheName=org.apache.jcs.engine.memory.lru.LRUMemoryCache`
- `jcs.region.CalendarCache.cacheattributes.UseMemoryShrinker=true`
- `jcs.region.CalendarCache.cacheattributes.MaxMemoryIdleTimeSeconds=300`
- `jcs.region.CalendarCache.cacheattributes.ShrinkerIntervalSeconds=60`
- `jcs.region.CalendarCache.cacheattributes.MaxSpoolPerRun=500`
- `jcs.region.CalendarCache.elementattributes=org.apache.jcs.engine.ElementAttributes`
- `jcs.region.CalendarCache.elementattributes.IsEternal=false`
- `jcs.region.CalendarCache.elementattributes.MaxLifeSeconds=600`
- `jcs.region.CalendarCache.elementattributes.IdleTime=300`
- `jcs.region.CalendarCache.elementattributes.IsSpool=false`
- `jcs.region.CalendarCache.elementattributes.IsRemote=false`
- `jcs.region.CalendarCache.elementattributes.IsLateral=false`

Change #SCR-238 New parameters for health-checks

Added new lean properties for health-check implementation:

- `com.openexchange.health.username` - User name used to access the node's health-check REST interface. If left empty, there is no authentication enabled for the REST interface.
- `com.openexchange.health.password` - Password used to access the node's health-check REST interface. If left empty, there is no authentication enabled for the REST interface.
- `com.openexchange.health.skip` - Comma-separated list of identifiers for node's health-checks, which should not be executed
- `com.openexchange.health.ignore` - Comma-separated list of identifiers for node's health-checks, which should be executed, but their status is not considered when evaluating the overall status

Change #SCR-240 Changed defaults for automatic scaling of contact images

Changed default values for properties:

- `com.openexchange.contact.scaleVCardImages` new value "600x800"
- `com.openexchange.contact.image.maxWidth` new value "600"

- `com.openexchange.contact.image.maxHeight` new value "800"

Change #SCR-245 Added new lean properties for mail- and sms-alarm handling

Added the following properties for mail alarm handling:

- `com.openexchange.calendar.alarm.mail.time.shift`
- `com.openexchange.calendar.alarm.mail.enabled`
- `com.openexchange.calendar.alarm.mail.limit.amount`
- `com.openexchange.calendar.alarm.mail.limit.timeframe`

Added the following properties for sms alarm handling:

- `com.openexchange.calendar.alarm.sms.time.shift`
- `com.openexchange.calendar.alarm.sms.enabled`
- `com.openexchange.calendar.alarm.sms.limit.amount`
- `com.openexchange.calendar.alarm.sms.limit.timeframe`

Change #SCR-274 Added new lean configuration for the new MessageAlarmDeliveryWorker

Added new lean properties:

- `com.openexchange.calendar.alarm.message.backgroundWorker.period`
- `com.openexchange.calendar.alarm.message.backgroundWorker.initialDelay`
- `com.openexchange.calendar.alarm.message.backgroundWorker.lookAhead`
- `com.openexchange.calendar.alarm.message.backgroundWorker.overdueWaitTime`
- `com.openexchange.calendar.alarm.message.backgroundWorker.enabled`

Change #SCR-276 New lean property 'com.openexchange.caching.events.ms.topicCount'

`com.openexchange.caching.events.ms.topicCount` is the count of topics, default value is 5.

Change #SCR-282 Removed Dovecot endpoint from `dovecot-push.properties`

Removed `com.openexchange.push.dovecot.endpoint.host` from `dovecot-push.properties`

Change #SCR-284 Added lean properties to configure user based rate limiting on login

- `com.openexchange.ajax.login.rateLimitByLogin.enabled` If set to "true" a rate limiter based on user names for login is enabled. The rate limiter uses the token bucket algorithm and tracks failed login attempts. Before every login attempt, a check is performed if user name is already rate limited. In which case the login attempt is denied. On every failed login attempt due to invalid credentials, the number of possible further attempts in the current time frame is decreased. By default the value is false
- `com.openexchange.ajax.login.rateLimitByLogin.permits` Specifies the number of available permits for the rate limiter based on user names for login. By default the value is 3
- `com.openexchange.ajax.login.rateLimitByLogin.timeFrameInSeconds` Specifies the time frame in seconds for the rate limiter based on user names for login. By default the value is 30

Change #SCR-287 Changed defaults for automatic scaling of contact images #2

Changed default value of old-fashioned (non-lean) `com.openexchange.contact.image.scaleType` property in file `/opt/open-xchange/etc/contact.properties` from 2 to 1

Change #SCR-292 Added configuration option to specify whether the version string is supposed to be appended to the X-Mailer header value or not

Added new lean configuration option `com.openexchange.mail.appendVersionToMailerHeader`, which controls whether the version string is appended to the X-Mailer header value or not. Default is `true`

Change #SCR-299 Adjust MaxLifeSeconds for folder-related JCS caches

Currently, entries in the folder-related caches `OXFolderCache`, `OXFolderQueryCache` and `GlobalFolderCache` have an unlimited lifetime in case they're continuously accessed, as configured via `jcs.region.[cache].elementattributes.MaxLifeSeconds=-1` in `cache.ccf`.

Usually, this is not problematic as cache entries get invalidated properly whenever the data is modified in the persistent storage. However, there are some rare cases where cache invalidation events may be missed and stale references reside in a local cache. For example, such cases may occur when a middleware node is temporarily not part of the cluster and so misses sending or receiving cache invalidation events.

To ensure that cached folder data is evicted from time to time, the following configuration values are adjusted in `cache.ccf`:

- `jcs.region.OXFolderCache.elementattributes.MaxLifeSeconds=3600`
- `jcs.region.OXFolderQueryCache.elementattributes.MaxLifeSeconds=3600`
- `jcs.region.GlobalFolderCache.elementattributes.MaxLifeSeconds=3600`

Change #SCR-327 Lean setting to enable context admin mail address validation

Accept new lean setting `"com.openexchange.admin.enableAdminMailChecks"` to control whether context administrator's E-Mail addresses are supposed to be validated on 'changeuser' invocation. Default is "false" (disabled).

5.2 Changes of Database Schema

Change #SCR-202 Remove any redundant or ambiguous filename values

When an event series gets split whose series master event record contained a non-empty value for 'filename', this filename is taken over for the detached event series. This in turn causes troubles when synchronizing the event series via CalDAV, as it cannot be resolved deterministically anymore due to the clash of the resource name. The split logic has been corrected, however, any previously event series may be affected, hence the update task `com.openexchange.chronos.storage.rdb.groupware.CalendarEventCorrectFileNamesTask` is required.

Change #SCR-206 Remove leftovers of LinkedIn

Update task is running through the 'oauthAccounts' table and removes all leftovers of LinkedIn integration.

Change #SCR-212 Transport encryption for databases

Starting with v7.10.1 the Open-Xchange server supports transport encryption for database connections. The feature allows administrators to enable SSL-encrypted transport security for connections from the Open-Xchange server to the databases. A full step-by-step guide is available under documentation.open-xchange.com. The changes don't effect current database setups and thus have no update tasks to run.

Change #SCR-215 Adjustments to the calendar_alarm_trigger table for mail delivery

In order to deliver eMail alarms the calendar_alarm_trigger table needed to be prepared. A new column 'processed' was introduced, which stores the utc time point the delivery worker picked the trigger up. Additionally a new index 'action' has been created which contains the columns 'action' and 'triggerDate'.

Change #SCR-268 Touching the RRULE of events in non-default calendar accounts

Due to a wrong handling when updating the cached data of external calendar sources, the "range" index in the database may not reflect the event's recurrence rule. Therefore, the RRULE column is 'touched' within an update task which will lead to the range index being recreated upon the next regular update routine. The update task's name is com.openexchange.chronos.storage.rdb.groupware.CalendarEventCorrectRangesTask .

Change #SCR-273 Extend table calendar_attendee by new column 'hidden'

The table calendar_attendee gets extended with an additional column: hidden BOOLEAN DEFAULT NULL

Change #SCR-291 Deprecation of the "legacy" calendar storage

The previously used database storage for the pre 7.10.0 calendar implementation is no longer needed and should therefore be considered as deprecated. The data has already been migrated into new database tables with the update task com.openexchange.chronos.storage.rdb.migration.ChronosStorageMigrationTask introduced with v7.10.0 and will be purged in a future release automatically. However, by default, a special mode where write operations were echoed to the old database storage has been used, which was done to still provide a downgrade option to the previous version of the groupware server in case such a disaster recovery should ever be required. Also, in case the execution of the update task was actively delayed (using a corresponding entry in excludedupdatetasks.properties), one should double-check that it gets activated again so that the data migration takes place.

Purging of the legacy data can already be forced by setting the property com.openexchange.calendar.migration.purgeLegacyData to true, so that the update task com.openexchange.chronos.storage.rdb.migration.ChronosStoragePurgeLegacyDataTask becomes active.

More details are still available at https://documentation.open-xchange.com/7.10.1/middleware/components/calendar/data_migration.html

Change #SCR-301 Adjusted the create table statement to use the 'utf8mb4' collation and charset and introduced a V2 conversion update task

Adjusted the create table statement for oauthAccounts to use the 'utf8mb4' collation and charset and introduced a V2 conversion update task.

Change #SCR-310 Fix PRIMARY KEY in "filestore2user" table definition

PRIMARY KEY for "filestore2user" table definition has been changed from "PRIMARY KEY (cid, user, filestore_id)" to "PRIMARY KEY (cid, user)"

Change #SCR-328 New database table to store rate-limit information

The database update-task com.openexchange.ratelimit.rdb.impl.groupware.RateLimitCreateTableUpdateTask has been introduced to create a new table ratelimit that stores information about accounts that triggered the limit.

5.3 Changes of Commandline Tools

Change #SCR-186 New switches for the listExecutedTasks command line tool

Please see <https://documentation.open-xchange.com/7.10.1/middleware/>

Change #SCR-198 Command line tool parameter for handling remote mail content

For the CLTs 'createuser' and 'changeuser' a new option called 'load-remote-mail-content-by-default'

is available. If set the parameter influences UI behavior when displaying remote content in HTML mails.

5.4 Changes of Behavior

Change #SCR-225 Use ServiceTrackerCustomizer for FeedbackTypes instead of a registry

Feedback types are not registered anymore by using the FeedbackTypeRegistry but by registering it as a normal osgi service. A ServiceTrackerCustomizer then handles the registration. This should simplify the code of Feedback Type implementations.

Change #SCR-230 Remove superfluous methods from 'com.openexchange.filestore.FileStorage' interface and introduce new consistency method

Interface `com.openexchange.filestore.FileStorage`:Removed methods:

- `getMimeType()` - Not the right place to gather this information, not used by storage implementations
- `recreateStateFile()` - Only used by `com.openexchange.filestore.impl.LocalFileStorage`
- `stateFileIsCorrect()` - Only used by `com.openexchange.filestore.impl.LocalFileStorage`

New methods:

- `ensureConsistency()` - New method that should perform all needed operations for the `com.openexchange.filestore.FileStorage` implementation to verify storage consistency.

Change #SCR-269 Removed XING as source for contact pictures

XING API doesn't deliver any usable results when asking for user data based on an contact e-mail. Therefore XING has been removed as an source for getting contact pictures.

Change #SCR-285 Allow changes on behalf of organizer in public calendars

In contrast to personal calendar folders, public folders are not associated with a dedicated calendar owner. So, whenever a new event is created within a public folder, the creator automatically becomes the organizer of this event. The clear association of the acting user's role within the folder that exists for personal folders does not apply here, and the purpose of the assignable folder permissions may even be misleading.

Therefore, we'll adjust the permission and role handling in public calendar folders as follows: After an event is created in a public folder and the creator has been stored as organizer, each consecutive modification of the event data by other users beyond the allowed attendee changes is implicitly performed on behalf of the organizer. That means that all other users can edit events in public folders by implicitly impersonating as organizer of the event, given that the underlying folder access rights are sufficient. However, it is not possible to act on behalf of another attendee in public folders, so that the current session user is always interacting with his "own" attendee property here, i.e. he cannot change the participation status of another attendee, or modify foreign alarms. To indicate this for the client appropriately, we'll introduce new event flags, namely "organizer_on_behalf" and "attendee_on_behalf", which effectively replaces the previously used "on_behalf" flag.

5.5 Changes of Packaging

Change #SCR-281 The package open-xchange-documentconverter-client has a new runtime dependency to package open-xchange-pdftool

The package `open-xchange-documentconverter-client` has a new runtime dependency to package `open-xchange-pdftool`, which itself contains the `pdftool`, used by the DC client to extract single pages of a PDF source document.

Change #SCR-192 Example configuration files at /usr/share/doc/ for lean properties

The operating system directory /usr/share/doc/ does now contain example configuration files for all all lean configurable properties grouped by installed packages

Change #SCR-194 Added new bundle to deliver drive events via APNS HTTP/2

Added new bundle `com.openexchange.drive.events.apn2` to deliver drive events via APNS HTTP/2, which is supposed to be shipped with package `open-xchange-drive`.

Change #SCR-203 Replaced bundle for APNS HTTP/2 push notifications

Removed unused bundle `com.clevertap.apns.apns_http2` for APNS HTTP/2 push notifications from `open-xchange-core` package.

It has been replaced with new bundle `com.turo.pushy`, which has less dependencies and works in a more OSGi-friendly manner.

Change #SCR-211 open-xchange-dataretrieval package will be deprecated

The `open-xchange-dataretrieval` package will be deprecated with the next release and it will be completely removed in the future. In addition, it will also be disabled by default.

Change #SCR-216 Added bundle `com.openexchange.chronos.alarm.mail`

Added the bundle `com.openexchange.chronos.alarm.mail` to the `open-xchange-core` package

Change #SCR-222 New package `open-xchange-hazelcast`

To be able to support Hazelcast transport encryption it is required to use the enterprise version of Hazelcast. Therefore we have to strip the package containing the library out of the core and create new packages the core depends on. As a result the following packages have been created:

- `open-xchange-hazelcast-community`: contains the community version of Hazelcast and is available for everyone (repository `wd/backend`). The package includes the already existing bundle `com.hazelcast`.
- `open-xchange-hazelcast-enterprise`: contains the enterprise version of Hazelcast with restricted access for some customers only. The package includes the new bundle `com.hazelcast.enterprise`.

Change #SCR-224 Added Hazelcast encryption properties

Added new lean configuration options for hazelcast encryption:

- `com.openexchange.hazelcast.network.ssl`
- `com.openexchange.hazelcast.network.ssl.trustStore`
- `com.openexchange.hazelcast.network.ssl.trustStorePassword`
- `com.openexchange.hazelcast.network.ssl.trustStoreType`
- `com.openexchange.hazelcast.network.ssl.trustManagerAlgorithm`
- `com.openexchange.hazelcast.network.ssl.keyStore`
- `com.openexchange.hazelcast.network.ssl.keyStorePassword`
- `com.openexchange.hazelcast.network.ssl.keyStoreType`
- `com.openexchange.hazelcast.network.ssl.keyManagerAlgorithm`
- `com.openexchange.hazelcast.network.ssl.protocols`
- `com.openexchange.hazelcast.licenseKey`

Change #SCR-228 Added the new package open-xchange-geoip-check

Added the new package `open-xchange-geoip-check` which provides an additional ip check mode based on geolocation information.

Change #SCR-239 Moved bundle c.o.rest.services into open-xchange-core package

To avoid a dependency-cycle between `open-xchange-core` and `open-xchange-rest`, the bundle `com.openexchange.rest.services` was moved into `open-xchange-core` package. So the packages `open-xchange-advertisement`, `open-xchange-push-dovecot` and `open-xchange-userfeedback` do not longer have a (build-) dependency on `open-xchange-rest` package,

Change #SCR-243 Added additional chronos.alarm.* bundles

Added the following bundles to o-x-core:

- `com.openexchange.chronos.alarm.message`
- `com.openexchange.chronos.alarm.sms`

Change #SCR-244 Added new ratelimit bundles to o-x-core

Added the following bundles to o-x-core:

- `com.openexchange.ratelimit`
- `com.openexchange.ratelimit.rdb`

Change #SCR-272 Introduced new contact picture bundles

`com.openexchange.contact.datasource`, `com.openexchange.contact.picture`, `com.openexchange.contact.picture.impl` and `com.openexchange.contact.picture.json` bundles are part of the 'open-xchange-core' package.

6 Changes relevant for Developers

6.1 Changes of external APIs

Change #SCR-201 Comment when cancelling/updating meetings as organizer

Changed request body for the chronos actions 'update' and 'delete'. The JSON body now consists of a JSONObject 'event' (for the update action) and 'events' (for the delete action) containing the data to update/delete as before. Additionally the body also can have optional parameters. For now there is a String 'comment'. For downwards compatibility the "old" structure still works, but is no longer documented and might be disabled in the future.

This comment is optional and can be set by the organizer when performing these actions. The comment will not be persisted and is just used for notification and invitation mails sent by the backend. The value will also be stored in the attached ical for the iMip message if applicable. Note: This is not related to the 'comment' of a participation status of an attendee.

Change #SCR-204 Removed backward compatibility for old yomi column ids

The contact api contains a backward compatibility for old yomi column ids (610 - 615). Since we have a versioned api documentation now we decided to remove this compatibility with the next release. This should makes things clearer for client developers.

Change #SCR-205 Added "download"-action to "/onboarding" end-point

Added "download"-action to "/onboarding" end-point: `/onboarding?action=download`

Change #SCR-210 Remove `showPrivate` parameter at legacy "calendar" module

Several actions in the legacy "calendar" module of the HTTP API have an option to explicitly include events marked as "private" when listing events in shared folders. As it is statically set to "true" by most clients anyway, and including possibly anonymized events otherwise doesn't hurt, the option is removed to reduce complexity. So effectively, the parameter "showPrivate" is no longer evaluated in all actions of the legacy "calendar" module, and the semantics of "showPrivate=true" will always be used.

Change #SCR-226 Added "link"-action to "/onboarding" end-point

Added "link"-action to "/onboarding" end-point

Change #SCR-242 New query param 'quota' for syncFiles/syncFolders for Drive-API

If the parameter quota is set to "true", additional quota information for the folder will be contained in the response.

Change #SCR-270 New endpoint for getting contact pictures

This endpoint unifies all other ways to obtain a contact picture. The new API is documented at documentation.open-xchange.com

Change #SCR-271 Deprecated old endpoints for getting a contact picture**Change #SCR-289 New action for a lightweight check against existing upload limits**

Please see <https://documentation.open-xchange.com/components/middleware/http/latest/index.html#!/Folders/checkLimits>

6.2 Changes of internal APIs

Change #SCR-214 Removed `com.openexchange.utils.osgi.OSGiAbstractor`

Removed class `com.openexchange.utils.osgi.OSGiAbstractor` to avoid usage. The reason is that this abstract class manages several static resources which are mutually read and written by inheriting classes (without thread-safety by the way). Therefore it is likely to happen that resources are dropped unexpectedly once there are multiple classes loaded, which inherit from that class.

Change #SCR-217 Added a method to load an alarm by its id to the `AlarmStorage` interface

Added `loadAlarm` method to the `com.openexchange.chronos.storage.AlarmStorage` interface

Change #SCR-231 Remove `c.o.filestore.FileStorageProvider.getInternalFileStorage(URI)`

The method `com.openexchange.filestore.FileStorageProvider.getInternalFileStorage(URI)` is being removed, because it is no longer needed/used.

Change #SCR-241 Extended `AlarmTriggerStorage` interface

The new calendar implementation allows to store multiple alarms, therefore `AlarmTriggerStorage` interface has been extended by the `deleteTriggersById` method to allow deleting alarms (e.g. appointment reminders) by providing their ID.

Change #SCR-280 Modify `com.openexchange.saml.spi.CredentialProvider` and implementation to handle multiple Idp signing certificates

The validation credential gathering now supports a list of `org.opensaml.xml.security.credential.Credential` objects. The `com.openexchange.saml.spi.CredentialProvider` also provides methods to reload those credentials, if the implemented `CredentialProvider` is capable of this.

- `com.openexchange.saml.spi.CredentialProvider.hasValidationCredentialsReload()`
- `com.openexchange.saml.spi.CredentialProvider.reloadValidationCredentials()`

Change #SCR-196 Added 'remoteContentAllowed' to User object

Added a new variable 'remoteContentAllowed' to 'com.openexchange.admin.rmi.dataobjects.User'.

6.3 Changes of provisioning APIs

Change #SCR-197 Added new value 'remote_content_allowed'

When creating or changing a user via SOAP "{http://soap.admin.openexchange.com}OXUserService" interface a new boolean value can be set. It is called 'remote_content_allowed'. If set, the value influences UI behaviour when displaying remote content in HTML mails. It is considered when performing a 'create' or 'change' on a user object. However, user is still able to change/switch that flag in mail settings.

Change #SCR-237 New REST-endpoint '/health'

A new HTTP endpoint to get service health information was introduced.

6.4 Changes relevant for customizations

Change #SCR-213 Only show appointment colors to organizer of that event

When a user selects a color for a calendar folder, he might be confused when some of the appointments in the target folder will not have the color he selected. These appointments have a different color which overrules the folder color. Therefore, the color of an appointment should only be considered if the current user is the organizer of an appointment.

Change #SCR-277 New supported language - Turkish

Starting with 7.10.1, Turkish will be a supported language (frontend only).

Change #SCR-293 Updated Guava from v25.0 to v27.0

Third-party library upgrade to include upstream bugfixes, security and other improvements.

Change #SCR-294 Upgraded Jolokia from v1.3.5 to v1.6.0

Third-party library upgrade to include upstream bugfixes, security and other improvements.

Change #SCR-295 Upgraded MySQL ConnectorJ from v5.1.46 to v5.1.47

Third-party library upgrade to include upstream bugfixes, security and other improvements.

Change #SCR-296 Upgraded Apache Commons Compress from 1.16.1 to 1.18

Third-party library upgrade to include upstream bugfixes, security and other improvements.

Change #SCR-297 Upgraded Jackson libs from 2.9.5 to 2.9.7

Third-party library upgrade to include upstream bugfixes, security and other improvements.

Change #SCR-298 Upgraded Apache PDFBox from 2.0.9 to 2.0.12

Third-party library upgrade to include upstream bugfixes, security and other improvements.

Change #SCR-304 Updated Apache CXF to v3.2.7

Third-party library upgrade to include upstream bugfixes, security and other improvements.

Change #SCR-324 Updated Apache Commons Lang to v2.6.0-201404270220

Third-party library upgrade to include upstream bugfixes, security and other improvements.

7 Tests

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

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

59051, 54765, 57529, 58142, 58329, 58419, 58532, 58733, 58849, 58857, 58913, 58938, 59057, 59113, 59183, 59211, 59291, 59333, 59419, 59528, 59684, 59692, 59711, 59753, 59773, 59899, 59914, 60017, 60097, 60115, 60161, 60262, 60277, 60346, 60382, 60418, 60460, 60668, 60718, 60745, 60789, 60826, 60828, 60874, 60889, 60895, 60901, 60928, 60936, 61044, 61200, 61240, 61254, 61293, 61420, 61465, 61613, 61615, 61655, 61667, 61720, 54765, 57850, 58586, 58895, 59051, 59054, 59060, 59206, 59251, 59252, 59306, 59307, 59336, 59339, 59454, 59651, 59756, 59851, 59860, 59957, 60011, 60013, 60140, 60274, 60380, 60388, 60457, 60565, 60602, 60619, 60698, 60850, 60936, 61017, 61023, 61026, 61385, 56589, 56342, 61315, 60241, 60089, 60088, 60025, 59798, 59653, 59507, 59365,