OX®

Release Notes for Release 7.10.0
2018-07-04

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Contents

1   General Information

OX App Suite v7.10.0

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:

- New Top Bar Design with New App Launcher
- New Window Handling
- New Calendar
- Better Preview of Spreadsheets
- Security Enhancements
- General Usability

OX Documents v7.10.0

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:

- Context Menu for Cut, Copy & Paste
- Crop Images
- Set Paragraph Indents in OX Text
- Change Vertical Alignment in Table Cells in OX Text
- See Comments in Spreadsheets
- Format Painter in OX Presentations

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/`.

Important 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`

- OX App Suite v7.10.0 introduces significant changes regarding the underlying MySQL database system that require **special attention** in case of upgrades from former versions. Please read `http://oxpedia.org/wiki/index.php?title=AppSuite:7_10_Database_Migration` carefully to familiarize with the details, implications and our proposed upgrade path.

- OX App Suite v7.10.0 brings a major renovation of the Calendar module - the internal calendaring and scheduling logic is rewritten from scratch to be more aligned with the commonly used iCalendar model in the future. More details and an overview of APIs, migration, etc. can be found at: `https://documentation.open-xchange.com/7.10.0/middleware/components/calendar.html`

- As a result of customer feedback Open-Xchange will extend active support commitments for official releases. With the OX App Suite v7.10.0 release the following support commitments will apply. A Major Release cycle (e.g. v7.8.x) will be supported 12 Months after First Customer Shipment (FCS) of the following Major Release. This means, OX App Suite v7.8.4 will be officially supported until July 2019. Within a Major Release cycle support is always available for the most recent Minor Release. To allow sufficient time for the update, Open-Xchange will now support the last Minor Release for 3 months in parallel to the most recent Minor Release. (Calculated from the First Customer Shipment (FCS) of the most recent Minor Release). More details and an overview of the versions currently supported can be found at: `http://oxpedia.org/wiki/index.php?title=AppSuite:Version_Support_Committment`

- Please note: to ensure a stable and up to date environment, starting with OX App Suite v7.10.0, Open-Xchange supports Debian Stretch (Debian 9). For details of all supported platforms and databases please refer to the requirements page at: `http://oxpedia.org/wiki/index.php?title=AppSuite:OX_System_Requirements#Server_Platform_Requirements`

- In accordance with the supported platform policy, Open-Xchange discontinues maintenance and support for Connector for Microsoft Outlook, Open-Xchange Updater (with all components inside) with the major release of OX App Suite v7.10.

- Open-Xchange discontinues support for Apple iOS 9 with OX App Suite v7.10. Open-Xchange supports Apple iOS 11 now.

- In accordance with the supported platform policy, Open-Xchange discontinues maintenance and support for OX Mail v1 by end of Q2 2018. Further information can be found about OX Mail v2 in all product communications and under: `http://oxpedia.org/wiki/index.php?title=AppSuite:OX_Mail_v2_0`

2   Shipped Product and Version

Open-Xchange AppSuite backend 7.10.0-rev10
Open-Xchange AppSuite frontend 7.10.0-rev10
Open-Xchange Documents 7.10.0-rev8
Open-Xchange Documents Frontend 7.10.0-rev8
Open-Xchange Readerengine 7.10.0-rev4
Open-Xchange Documentconverter 7.10.0-rev8
Open-Xchange Documentconverter API 7.10.0-rev7
Open-Xchange Imageconverter 7.10.0-rev7
Open-Xchange USM 7.10.0-rev6
Open-Xchange EAS 7.10.0-rev6
Open-Xchange Drive Restricted 7.10.0-rev3
Open-Xchange Dovecot Anti-Abuse Shield Connector 1.0.2-rev1
Open-Xchange API Facade 1.2.0-rev1

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 7.8.4. Solutions for vulnerabilities have been provided for the existing codebase via Patch Releases.

58880   CVE-2018-12611
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

58874   CVE-2018-12609
CVSS: 6.5 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:N/A:N), Credits to Secator

58742   CVE-2018-13104
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

58282   CVE-2018-12611
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N), Credits to Secator

58256   CVE-2018-12611
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A), Credits to Secator

58226   CVE-2018-12611
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N), Credits to Secator

58161   CVE-2018-12611
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N), Credits to Secator

58096   CVE-2018-9997
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N), Credits to Secator

58055   CVE-2018-13105
CVSS: 7.7(CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:C/C:H/I:N/A:N), Credits to Michael Reizelman (mishre)

58051   CVE-2018-12610
CVSS: 3.7 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:N/A:N)

58029   CVE-2018-9998
CVSS: 3.7 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:N/A:N)

58023   CVE-2018-9998
CVSS: 3.6 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N/CR:L), Credits to Ranjit_p

57956   CVE-2018-9997
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N), Credits to Secator

57692   CVE-2018-9997
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to rceman

57095   CVE-2018-9997
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

57016   CVE-2018-9997
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N)

56747   No CVE
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N)

56744   No CVE
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N)

56740   CVE-2018-5754
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

56718   CVE-2018-5755
CVSS: 7.7(CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:C/C:H/I:N/A:N), Credits to Zhang Tianqi (pnig0s)

56717 No CVE
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N)

56706 CVE-2018-5752
CVSS: 6.4 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:C/C:L/I:N/A:L), Credits to stemcloud

56619 CVE-2018-5752
CVSS: 6.4 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:C/C:L/I:N/A:L), Credits to stemcloud

56582 CVE-2018-5754
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

56580 CVE-2018-5754
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Behroz Alam (tbehroz)

56558 CVE-2018-13103
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N), Credits to stemcloud

56477 CVE-2018-5751
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N), Credits to Ranjit_p

56457 CVE-2018-13103
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N), Credits to stemcloud

56407 CVE-2018-5753
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N)

56406 CVE-2018-13104
CVSS: 3.1 (CVSS:3.0/AV:N/AC:H/PR:N/UI:R/S:U/C:L/I:N/A:N), Credits to Secator

56359 CVE-2018-5756
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:L/A:N), Credits to Michael Reizelman (mishre)

56352 CVE-2017-17060
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

56334 CVE-2018-5752
CVSS: 6.4 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:C/C:L/I:N/A:L), Credits to stemcloud

56333 CVE-2018-5756
CVSS: 4.3 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:L/A:N), Credits to Michael Reizelman (mishre)

56157 CVE-2017-17060
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

56091 CVE-2017-17060
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

56063 CVE-2017-17061
CVSS: 3.1 (CVSS:3.0/AV:N/AC:H/PR:L/UI:N/S:U/C:L/I:N/A:N), Credits to Secator

56056 CVE-2017-17062
CVSS: 3.1 (CVSS:3.0/AV:N/AC:H/PR:L/UI:N/S:U/C:N/I:L/A:N), Credits to Secator

56055 CVE-2017-17060
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

55882   CVE-2017-17060
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

55830   CVE-2017-17060
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

55703   CVE-2017-15029
CVSS: 3.1 (CVSS:3.0/AV:N/AC:H/PR:L/UI:N/S:U/C:N/I:L/A:N)

55651   CVE-2017-15030
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to tungpun

55603   CVE-2017-15030
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

55602   CVE-2017-15030
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

55601   CVE-2017-15030
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

55600   CVE-2017-15030
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

55167   CVE-2017-17060
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

55090   CVE-2017-13667
CVSS: 6.4 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:C/C:L/I:N/A:L), Credits to Secator

55068   CVE-2017-13668
CVSS: 3.7 (CVSS:3.0/AV:N/AC:H/PR:L/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

54937   CVE-2018-13104
CVSS: 2.6 (CVSS:3.0/AV:N/AC:H/PR:L/UI:R/S:U/C:L/I:N/A:N)

54915   CVE-2017-12885
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

54838   CVE-2017-12885
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N)

54592   CVE-2017-12885
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

54579   CVE-2017-12884
CVSS: 3.1 (CVSS:3.0/AV:N/AC:H/PR:N/UI:R/S:U/C:L/I:N/A:N), Credits to Secator

54403   CVE-2017-9809
CVSS: 3.1 (CVSS:3.0/AV:N/AC:H/PR:N/UI:R/S:U/C:L/I:N/A:N), Credits to Secator

54402   CVE-2017-9808
CVSS: 3.3 (CVSS:3.0/AV:N/AC:H/PR:N/UI:R/S:U/C:L/I:N/A:N), Credits to Secator

54321   CVE-2017-9808
CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

54320   CVE-2017-9808

CVSS: 5.4 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:N), Credits to Secator

4   Bugs fixed with this Release

This section provides a summary of bug fixes and changes that have been applied subsequently to shipping Release 7.8.4. Some of the announced bug fixes may have already been fixed at the existing code-base via Patch Releases.

59158   UI always uses en_US when logging in with session-tokens
The always did not wait for a inner deferred to finish which caused the login:success event to be triggered to early just before the user language was set correctly. The UI then falls back to en_US in each case, but only for initial login.
This has been solved by adjusting token login handler and replacing .always with .then in token login handler success function.

59098   Unable to add Twitter account
Twitter updated their oAuth usage policies, which now demand to white-list the full path of all possible callback endpoints. Up to now our callback "defer" URL was using a "jsessionid" parameter for cluster routing as URL path segment, which did interfere with this policy. We now transmit this parameter as URL parameter to allow white-listing of the full endpoint.

58952   Incompatible mail filter rules
Legacy mail filter rules (SIEVE) were incompatible with the current implementation at OX App Suite and could not be processed when editing. We added compatibility for those rules which makes sure they will get updated next time a user saves them. For as long as the SIEVE backend is able to work with the old format we don't expect any issues and do not automatically migrate mail filter scripts.

58910   Session handover sometimes fails
In some cases the timing for session handover to App Suite frontend (e.g. when using SAML) was off due to unexpected non-critical errors or latencies. In this case the login process for a user could stall. We made the frontend implementation more robust to handle such cases and allow the login process to pass.

58900   Usercopy fails with rsync error
An erroneous paths were provided to the 'rsync' utility, while only the absolute path is required for such an operation.
This has been solved by using the correct path for the copy operation via 'rsync', the protocol type as the 'file' is always implied.

58895   Confusing fall-backs used for distribution lists
If a contact linked to a distribution list had invalid E-Mail address data, a fall-back address was looked up at the contact object and if that failed no address was used to avoid blocking mail delivery to other list members. This could lead to situations where some distribution list members were silently ignored. We did add a notification about invalid E-Mail addresses when sending mail to distribution lists.

58891   Mail address is not parsed correctly if domain contains a dot and a dash
Was not mapped by regex.
This has been solved by adding both cases to this regex.

58814   Importing third party iCal files fails
Some calendar providers produce technically invalid iCal files which use local time for start and end date but specific time zones for recurrence rules. To allow interoperability we chose to ignore such cases and import the data anyway.

58767   Calendar workweek view not considered in recurring appointments
Used static preconfigured workweek for recurring appointments.
This has been fixed by using configured workweek instead of default work week.

58733   Deleting user causes high load
Concurrent loading of stale data into cache while deletion is not yet committed caused this 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.

58632   IE11: contact list view jump to different position when selecting a contact
Missing tabindex messed up focus handling.
This has been fixed by adding tabindex -1 to labels for IE11.

58628   Attachment overlap for Print function
There was no styling for the print rendering.
This has been solved by adding a print rendering view.

58599   Forwarding specific mail fails
Mails with 7bit encoding were forwarded as-is even though the encapsulating mail did not update the `Content-Transfer-Encoding` header for this attachment. As a result some mail clients were unable to decode the forwarded mail. We now make sure to properly decode such content and set proper headers before forwarding it.

58549   Links to shares lead to broken workflows
When using a link within a share notification mail sent by the same OX environment, users could end up with a login screen in case the environment did not support "auto login" or the user opted to disable cookies. We do now detect such links and open the specified resource within the current session rather than opening a new browser window.

58520   Updated Japanese translation for mail filter actions
Some mail filter actions like "file into" or "copy into" were incorrectly translated to Japanese. This got solved by updating the translation.

58509   Null reference when moving users to filestores
In certain cases a target file store could not be loaded correctly while running a `moveuserfilestore` command, this was solved by validating the target file store.

58507   Unresponsive context menu on mobile browsers
When interacting with a mail on a mobile browser (Chrome in this case) on a smartphone, the context menu to edit a selected mail could get unresponsive. This got solved to make sure we use the right selection after leaving a mails detail view.

58478   Twitter allows 280 characters
We updated our Twitter widget to allow a total of 280 characters as Twitter made this their default as well.

58460   Empty "recent conversations" on mobile
In some cases a contacts "recent conversation" information was not populated when using mobile browsers. This has been solved by using more robust scrolling.

58433   "Collected addresses" shows option to add a contact again
In case a contact is stored to the "collected addresses" folder, it will offer a option to "add to address book" even though its already part of a address book. To improve performance we did remove sophisticated look-ups since that folder usually contains a vast number of contacts. We did reintroduce this check in case a contacts "halo" view is opened to make sure the option is not shown there. This chance does not affect browsing of the folder, we still show the option there.

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 catch the error.

58377   User interface glitch when escaping conflict dialogs

In case users rejected appointment conflict dialogs by using the escape key, the frontend did still show activity indicators for appointments as we'd expect the user to click one of the provided buttons. We now also recognize keyboard controls for this dialog.

58333   Incorrect hyper-link encoding for certain links

In case hyper-links in mail contain percentage signs for URI parameters, those could lead to a incorrect locations since we were encoding them twice. This has been solved to just encode quotes in links.

58326   Missing error handling when marking mail as spam

In case the action to mark a mail as spam was failing, no error message has been provided to the user. We now check the response for this action and provide a user-facing message.

58297   Misleading time-zone information for mail filters

In case time and date based mail filters are used, our representation of timezones and daylight-saving settings was not optimal. We now provide a specific time-zone hint that includes daylight-saving settings.

58286   Appointments with Emoji get removed when using EAS

While some devices allow full four-byte unicode characters for appointments, some OX App Suite database backends do not. In such cases our error handling led to situations where devices removed an appointment. We do now properly truncate unsupported characters up to 50 times before responding with an error. This still leads to data loss for unsupported characters but the appointment should be maintained, depending on the clients handling.

58207   Mail file size reported as zero when switching conversation sort

When sorting mails by size and toggling conversation view on and off, a incorrect file size has been displayed. This has been solved by resetting old collections on toggle.

58204   Missing translation, unclear description of restore points

When restoring mail content within a browser session, the term "restore point" was used which appears to be alien to users. We modified the term and added translation as well as customizations capabilities.

58201   Address book property "town" has been changed to "city"

Based on suggestions we renamed the property "town" to "city" on the web frontend.

58193   Capabilities not applied on the fly

In some cases user account capabilities were not applied instantly and could even require to restart the middleware process. We improved cache invalidation for cases where dynamic context attributes where changed.

58187   Missing branding for mobile tour

When using OX App Suite on a smartphone browser, parts of the tour were not correctly branded. We made sure that the `productName` properties are being used correctly for mobile assets as well.

58186   Document converter breaks with Apache load-balancing

Due to active load balancing between Middleware and Documentconverter server nodes, the PDF results for creating each ManagedFile were taken from different Documentconverter server nodes. In some document cases, this might give slightly different results due to contained date or other fields, evaluated and written at conversion time on each Documentconverter node.
This has been solved by ensuring that range requests for one document always create the same

hash id even in case the file version is missing and adding appropriate synchronization code on a file id basis results in generating just one ManagedFile on Middleware side within the Ajax request handler. The PDF result file is created from one DC server node only for the sequence of range requests for one document, even in case the file version is missing.

58170   Storing empty aliases could lead to SQL exception
When storing a specific combination of empty alias information, a SQL error could be triggered as the related database fields don't support empty data. This has been solved by stricter checks on data before committing.

58158   Login screen visible despite redirect during SAML login
SAML implementation always resumed login process.
Halt login process in case of SAML, especially in the case of any redirects. This prevents the core login plugins from running while the browser is waiting to be redirected.

58134   Excessive querying of server configuration
We did implement a request interceptor which checks whether "auto login" is enabled or not on a per-request basis. Depending on the amount of global configuration settings, this could lead to high system load and even outages if the Java GC got stressed too much. We improved this check to be more lean and detect the setting much faster.

58119   Time picker is briefly shown in vacation notice
TimeInput toggled after draw.
This has been fixed by calling toogleTimeInput as soon as possible.

58089   MSG-1031 Categories=ERROR Message='Error processing mail server response'
Small improvements to ease debugging with not working Kerberos authentication as administrators are not able to identify the users with problems.

58079   Missing validation response for invalid nested mail filter rules
In case a nested mail filter rule (e.g. anyof) did contain empty content, incorrect error handling was used. This got solved.

58052   Attachment names with specific unicode chars are garbled
In case a mail attachment used "circled numbers" unicode chars, those were replaced by placeholders when downloading the attachment. We've extended our unicode character support for such chars, often found in Asian correspondence.

58019   Unable to forward multiple mails
When using a certain MAL implementation, workarounds were to be used with can lead to an error when trying to forward multiple mails. We're now avoiding the workaround in case multiple mails are being selected.

57997   Failing `touch-appsuite` when not providing timestamp value
When calling `touch-appsuite` with the `--timestamp` parameter but not actually providing a parameter value, the command failed as content validation was not used. We now validate the users input when executing that script.

57913   Download Drive folders as a zip limited to 1 GB not documented to configure
This has been solved by adding missing property documentation.

57909   Unable to forward a specific mail
In case parsing attachments of a specific mail failed before, it could not be forwarded. We now reset our parser before re-parsing a converted mail that failed before.

57870   Faulty mail address validating
When entering a mail address without @ character, the frontend would reject this address even though its valid. We updated the frontend-level validator to consider such addresses.

57841   Appointment colors are not printed
Appointments without a custom color were not colored according to their calendar folders color, if it has been set. This has been solved by adding the color label of the parent folder to all appointments that don't specify their own color while printing.

57831   Logstash JSON output contains linebreaks
When using Logstash as log output, long stacktraces could be delivered as JSON file with linebreaks, which messes up the Logstash encoder. We identified the culprit at a JSON generator of a third-party library, which splits JSON after processing a certain amount of bytes. We replaced usage of this library by manual JSON object compilation.

57830   Garbled mail after responding with Outlook
Mail header truncation kicked in at 1000 characters, for example when dealing with a large amount of `References`. As a result some mail clients could not parse the mail and created garbled responses. We now apply more strict folding of header lines to avoid such malformed mails.

57825   Unified mail folders require reload to show up
When activating unified mail a reload was required to make those special folders show up. We improved state synchronization on the frontend level to make them show up right after initially enabling the feature.

57743   Time-based mail filters were stored incorrectly
Since some SIEVE implementations offer date and time handling, we did add a time picker to mail filter configuration. This did however lead to consistency issues with specific actions that can handle dates but no timestamps and vice versa. For the sake of usability we removed the time picker.

57636   Encrypted files in Drive with uppercase file type name
An encrypted file in Drive with uppercase file type name couldn't be previewed.
Now ignore case of file extension for encrypted files to solve this issue.

57627   Some signatures are not getting removed
When trying to remove certain HTML signatures from mail compose, a cleanup method to sanitize HTML was a bit too strict and embraced HTML5 standards. We're now examining API responses for signatures in more detail with less strict cleanup.

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.

57495   Removeshares URL not working
The parser was not able to properly parse the share URLs.
This has been fixed by properly parsing share URLs.

57458   Missing logging for SMTP AUTH attempts
We added a `WARN` level log event for situations where mail transport with the primary account failed due to authentication issues. This does not apply to external accounts to avoid log flooding.

57337   Replying email with more than 4 recipients returns HTTP414 error
Missing cleanup of request data before sending it to the middleware led to this issue.
Now cleaning up request data before actually calling the API.

57288   Support for partial account auto-discovery
In case SMTP access was added to an existing mail account later, its data was not fully inserted into database. We now cover the scenario where users want to configure mailbox access independently from mail transport.

57276   Error while saving Guard message to Draft
Invoking cleanup() on a ContentAwareComposedMailMessage instance throws an Unsupported-OperationException.
This has been solved by avoiding invoking clean-up for ContentAwareComposedMailMessage instance.

57265   Pasting with CMB click not recognized
Some Linux desktop environments use the center mouse button (often a wheel) to paste data. This event was not properly detected by the mail filter interface and has been improved.

57263   Out of Memory Errors when IMAP endpoint is inaccessible
Threads are kept too long in subsequent connect attempts against a IMAP host in case of a fail-over scenario.

57205   Long login times reported
In specific cases a users login action could take multiple hours, due to an exclusive lock for caching. We now avoid this kind of locking to provide better responsiveness in scenarios with high concurrency.

57203   Category can not be removed from appointment
Categories were not parsed if the corresponding property was absent in incoming iCal files.
This has been fixed by always parsing and applying categories from iCal.

57168   Mail shows only blank body
Depth was not incremented, when style tag in HTML-body was added.
Increment depth when adding CSS on style tag to solve this issue.

57142   Sync stops when editing file in Google Drive
When syncing a Google Drive account through OX Drive, editing files in Google Drive would potentially break the sync as identifiers of this storage service change on modifications. We're now considering this case, even though don't advise to use external storages for OX Drive sync clients.

57133   Issues with image in signature using IE 11 browser does not show image
Wrong/Fall-back MIME type advertised for a signature's embedded image.
This has been solved by using metadata-extractor library to detect image's MIME type if absent and return that for response's Content-Type header.

57067   Emoticon pop-up is not anchored properly in Compose window
Strict javascript engines (Edge) failed when assigning values to read-only variables in strict mode.
This has been fixed by using the setter function with a new object instead of assigning directly to the object of the getter.

57066   Graphical Elements in Email Appear Squashed When Printed
Combination of width:auto and max-widht:100% causes elements to enlarger when set to 100% width.
This has been solved by removing styles.

57060   Webmail folder issue with Archive Folder
After an 'update'-request only a subset of the account data is used locally.
Now simply process the data returned by the 'update'-request like it is made for 'all'-requests.

57023   "Show done tasks" resets after logout and login
Missing handling to store grid options.
This has been fixed by adding handling for all options (sort, order, done).

56999   Incorrect handling of sieve_max_redirects
The MAXREDIRECTS limit that the Sieve server provided was used on the middleware to check the total redirect commands in the entire user's script.

The middleware now checks the total redirect commands in a single rule to solve this issue.

56990 Attached EML files show up as mail content
When syncing mail which contain EML files as attachment, those were not correctly decoded and displayed in a garbled way within Outlook instead of a proper attachment. We changed parsing behavior to decode UUEncoded content in case a structured JSON representation of a MIME message is requested.

56956 Ham mail sent out when moving mail from Spam folder to Trash folder
'handle-ham' is called when moving messages from Spam folder to Trash folder.
Do not invoke 'handle-ham' when moving messages from Spam folder to Trash folder to solve this issue.

56948 External connected Drive - View and Filter not working correct
View and Filter were not working for external file storages.
This has been fixed by removing the filter for external file storages because external file storages cannot and do not provide the full "infostore" feature set.

56935 Better handling of auth failures in OX Request
Possible IMAP response during failed authentication are not considered.
Handle possible IMAP response code during failed authentication attempt to better reflect to the user what went wrong. Introduced retry mechanism in case special "UNAVAILABLE" response code is advertised by IMAP server. Enhanced logging in case an external account gets disabled.
Changed logging for failed authentication for following IMAP response codes:

- AUTHENTICATIONFAILED: MSG-1000 "There was an issue in authenticating your E-Mail password..."

- AUTHORIZATIONFAILED: MSG-1036 "Mail server <host> denies access for login <login> ."

- UNAVAILABLE: MSG-1038 "A temporary failure occurred on mail server <host> during login for <login> . Please try again later." (But only after 5 failed attempts!)

- EXPIRED: MSG-1039 "Access to mail server <host> is no longer permitted for login <login> using his password."

- PRIVACYREQUIRED: MSG-1040 "Access to mail server <host> is not permitted for login <login> due to a lack of privacy."

56924 Forward Email in some mails attachment get lost
Wrong mail part id for the text part.
This has been solved by adjusting part in case "nature" is set to "virtual".

56912 OX6: added \n after logout to signature
New/Missing line breaks after sanitizing.
Don't use the new print for signatures for OX6 to avoid unnecessary line breaks.

56875 EML Import via Drag&Drop not working with Unified Mailbox
EML import were available for unified inbox but not working.
Now importing for unified mail folder is disabled.

56869 Apache Proxy Timeouts while moving many files (Error 502 after 18 mins)
Action was not prepared for job queue.
This has been solved by introducing job queue for files?action=move.

56854 Excessive logging if `replicationMonitor` contents are missing
In case database replication got slow, we've been logging `WARN` entries for each failed access to `replicationMonitor` data. We've changed this to add a exponential back-off strategy and only log

the final attempt since this hints serious database trouble.

56849 Future copyright notes
By default we were shipping a configuration that provides copyright information spanning till 2020. This has been corrected in a way that we include the current year but no future dates.

56830 Missing handling for `openByDefault` option
The `io.ox/mail//attachments/layout/detail/open` option was no longer considered by frontend code and has been re-implemented.

56774 Copying users with individual filestores causes errors
When using the `usercopy` functionality for users which have individual filestores, unexpected errors were thrown. We resolved the situation in a way that errors during user copying are caught and handled correctly. We still deny copying users with individual filestores.

56720 Incorrect Japanese translation for mobile search
When using search on mobile browsers, the folder selector did show an incorrect translation. This has been corrected with proper translation.

56704 "Attach vCard" state is not stored on auto-save
When mail gets auto-saved as draft, a potentially attached vCard file that was added using the option in mail compose was not saved. This has been fixed.

56699 Move folder with files with descriptions to external drive doesn't work
No error handling for folders. After the 'ignore' button was pressed, a 'undefined' file was tried to move. That caused a typeError in the frontend and also the above provided server error due to a invalid request.
This has been solved by implementing error handling also for folder and files inside folders.

56698 Inconsistent error handling if moving folders to external storages fails
The "Move" operation triggered at the folder-tree context-menu was implemented differently from the "Move" operation provided by the top bar and did not consider external storages. This got unified in a way that both act identically and provide the same level of error handling.

56696 Missing notifications when copying files to external storages
In case files get copied or moved to external storages, ignored conflicts did not raise a success or failure response. This has been solved by unifying the handling of copy and move operations to external storages.

56693 Full-width characters in personal part were dropped
Certain Asian language characters are not shown as part of a mail senders personal part. This has been solved by allowing such 2-bytes characters instead of replacing them by whitespace.

56638 Cloud storage - error messages after moving of a larger folder / larger number of files between different storages
Heart-beat kicks-in too late.
This has been solved by letting heart-beat kick-in early enough.

56602 Button "View participants" visible, but remote_presenter = false
This has been solved by disabling the "View participants" button as long as no remote presentation is on progress.

56589 Shared private calendar - decline appointment as a secretary (not an invitee) - 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.

56563   Spam folder no longer visible
In case "Spam", "Confirmed spam", and "Confirmed ham" folders are all pointing at the same folder they could overwrite themselves which leads to the situation where "Spam" loses its special folder status. This has been solved by making special folder listings more robust against this edge case.

56539   OX shows unsupported sieve action
With the introduction of the simplified mail filter test and actions in the HTTP API v2, there was no check done in the config calls to determine whether a simplified command is using any unannounced/not supported sieve capabilities, which lead into returning those simplified commands, thus the UI assumed that the particular simplified action command was available.
Ensure that the required capabilities of the simplified action commands are also checked for possible required sieve capabilities to only show supported sieve rules.

56538   Restorecontext not working with open-xchange-admin-autocontextid installed
Checking if a context to restore might be the last one held in associated DB schema does not deal with the possibility that the context does no more exist. In that case that test should simply pass. This has been solved by checking context existence prior to checking if it might be the last one held in associated DB schema on context restoration.

56536   Send contact as vcard keeps loading with circle logo
Loading the Source of vcard failed.
This has been fixed by adjusting the request.

56499   Incorrect attachment names in Japanese
Lenticular brackets were removed from the list of valid characters, which broke certain attachment names as those characters appear to be common in Japanese. We're now maintaining those characters when providing attachment information.

56496   Replying to HTML mail is using plain-text
On specific custom mail abstraction implementations, replying to HTML E-Mails lead to creation of plain-text E-Mails. This is related to the custom implementation and does not affect other operators. We added a workaround which needs to be validated at the target environment.

56486   Incorrect attachment names in Japanese
RFC2231 encoded parameters where incorrectly decoded when handling attachments. This broke certain attachment names as such encodings appear to be common in Japanese. We've corrected decoding and now provide correct attachment information.

56478   Mail disappears when mail deletion canceled on smart phones
Missing cancel handling on mobile phones.
Now handling canceling on mobile phones.

56475   Logback without newlines after upgrade
The newline character was removed from the LogstashEncoder and moved to the LogstashSocketAppender.
This has been fixed by removing the newline character from the LogstashSocketAppender. Reintroduced the newline character to the LogstashEncoder.

56455   Guided tour for Drive cannot be closed
Race condition when uploading sample file into drive.
Make sure sample file is uploaded before starting the tour to solve this issue.

56448   Adding "Inbox" widget multiple times is possible
In case a user has the capability to add multiple mail accounts but did not do so, it was possible to add the "Inbox" widget to the portal multiple times. The underlying check has been improved to cover this case and not allow multiple widgets for a single account.

56446   Mail alias creation randomly give internal server error
Cached content was used to decide which alias to add and which to remove, but that cached content might not be up-to-date.
This has been solved by setting a user's aliases at once.

56435   Task status not correctly exported
The RFC for the corresponding vtodo element, only specifies four status. The ox status for waiting is not covered by the specification and was mapped to the status canceled after import.
To guarantee the correct status import of vtodo-elements, the status parameter is extended with a new parameter, called X-OX-STATUS and the value WAITING, which is parsed when importing to represent the "Waiting"-status of the task.

56419   Connection issues due to excessive locking
Locking exclusive database access for provisioning commands led to connectivity issues for users. This could especially be triggered by running expensive provisioning calls like `listdatabase` on a regular basis for monitoring. This should be avoided in general.

56415   Push related debug messages at log files
Registration and de-registration messages of push clients have been logged at `INFO` level before, which could create large amounts of log data. As this information is supposed to be used for debugging purposes, we're now logging it at log-level `DEBUG`. This solution has to be validated in a production environment.

56414   "Not Spam" button is missing after update
Many code lines just work with "spam", not with "confirmed_spam".
Always checking for "confirmed_spam" as well to solve this issue.

56400   Links missing in certain HTML mails
Specific HTML mails where handled incorrectly due to a recent sanitizing change for HTML <style> expressions. In case where such styles got applied to hyper-links the link would potentially not work. We adjusted HTML parsing to avoid this.

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.

56330   Move operations on filestore not reflected in sync
In case files get moved between folders the corresponding events were not triggered which in consequence did not trigger sync activity for OX Drive clients. We solved this by executing the expected events in case a object gets moved.

56291   Printing or saving document missing lines
Vertically merged tables are only shown in OX Text but are not visible in Word (except the top cell). Hiding vertically merged cells so that the user cannot modify its content and gets the impression of data loss after opening the document in Word to solve this issue.

56285   Attached EMLs not visible at Android
When using a certain Android EAS implementation, nested messages (e.g. .eml files attached to a mail) were not correctly provided to the user. This has been solved by treating content of such attachments and provide them in a compatible way.

56193   Context menu is NOT closed by right-click
Right click outside the context menu doesn´t close it.
This has been fixed by removing selector from black list and listen for context menu event to close.

56149   Userreporting ERROR "Cannot find user with identifier <id> in context <ctx> "
When storing the report before sending it, a useless comma was added.

This has been solved by constructing correct JSON when loading details from local storage.

56140   Cloud-Storage connection problem
Wrong check if whether used connection pool is currently unused/empty caused premature stopping of idle-connection-closer.
Proper check whether used connection pool is currently unused/empty to solve this issue.

56136   ”Favorite” folders are not removed when deleting associated account
In case a external storage got added to Drive and a folder got specified as ”favorite”, this favorite folder was still shown after the external storage account got removed. This has been fixed by cleaning up favorites on account modification.

56107   OX - Slowness in loading the mail folder list
List request breaks on altnamespace with many folders.
This has been fixed by removing 'default0' list request out of 'virtual/standard'.

56089   Not possible to delete account via API
Wrong owner identifier passed to quota-aware file storage instance.
This has been fixed by compiling proper owner info when resolving a file storage.

56075   Birthdays get removed when born before 1604
In case a user is born before 1604 its birthday would get removed while syncing with EAS on Apple devices. This is due to a iOS limitation related to the introduction of the Gregorian calendar. We now use the Apple specific X-APPLE-OMIT-YEAR parameter for birthdays without a year if its pre-1604.

56073   Logging the IMAP endpoint IP
Remote IP address of connected end-point was not available.
Now also output remote IP address of connected end-point to solve this.

56071   Mail content not displayed
Garbled mail messes up IMAP server's BODYSTRUCTURE information.
This has been solved by re-parsing mail manually in case IMAP server's BODYSTRUCTURE information is messed up.

56069   Filter condition size checking inconsistent
The validation for the ”size” condition was incorrect if a action for mailfilter were added.
The validation for the ”size” condition has been corrected to be consistent.

56065   Sort order for recipients lost up when doing reply all
Ordering of recipients within a mail could be purposeful to adhere social standards. When replying to all recipients of a mail, we now preserve the order of To/CC/BCC of the original mail.

56042   Got exception during upload
Middleware's Sproxyd connector refused to store an empty file to Sproxyd end-point and Hard fail when trying to delete a non-existing file.
This has been solved by allowing to store an empty file to Sproxydend-point and Do not fail when trying to delete a non-existing file from Sproxydend-point.

56038   Name of attachment with Japanese characters not correctly displayed
”ISO-8859-1” charset is assumed for every string value in MAPI properties of a TNEF-encoded attachment.
This has been solved by detecting proper charset (e.g. by code page attribute) and use that to get the string value.

56034   OAuth not working if ending on other nodes
JVM route information was not added to redirecting call-back URL.
Now ensure JVM route is added to redirecting call-back URL.

56023   External Storage error while saving presentations created from a template
Generating setDocumentAttribute operation twice. In renameHandler and during reloading the document.
Marking document as unmodified before reloading it to solve this issue.

56022   Incomplete documentation for `exportuserfeedback`
We did publish some inconclusive documentation for the `exportuserfeedback` CLT in terms of API paths, this has been corrected for the tools help.

56021   Feedback: comments and suggestions area without checks filters and escaping
Some characters haven't been sanitized.
More sanitizing for feedback exports solve this.

56010   Emoji selector not visible for small viewports
In case a browser windows viewport was below our specified minimum requirements the "Emoji" selector was hidden in case it was enabled. This has been solved re-calculating the toolsbar content to avoid bottom overflow.

56001   mail folder not loading: String index out of range
Possible 'java.lang.StringIndexOutOfBoundsException' while parsing an address list. Fixed by orderly reset cached string length after string was modified.

55974   Appointments in public calendars are getting displayed in the same color
Changed default status from accepted to unconfirmed due to some issues with ITIP attachments. This has been fixed by using status accepted as default for public appointments.

55972   Mail not displayed correctly in App Suite UI
Garbled HTML content with conditional revealed comments confuses Jericho HTML parser.
Get rid off HTML comments prior to processing to display such mails.

55964   High load on ConfigDB
Excessive "SELECT cid FROM context_server2db_pool WHERE server_id=xxx AND write_db_pool_id=xxx AND db_schema=xxx´´ queries.
This has been solved by optimizing collecting data for drive metric calculation and improved some locations which invoked 'getContextsInSameSchema()'.

55958   Inconclusive error message when replying to mail
In specific cases a error message could be raised when replying to mail, stating that adding more mail accounts is disabled. This originates from a check which happens when using "unified mail" and we have corrected it to avoid false positives.

55948   Mailadresses not in "Collected addresses" when reading a new Mail
"collect_addresses" field extracted out of wrong JSON object.
This has been solved by extracting "collect_addresses" field out of proper JSON object.

55928   User email is visible in URL
It was possible to see the Guest user's E-Mail address in an URL parameter.
This has been fixed with replacing E-Mail address with 'user-id@context-id' tuple and adjusted resolve logic accordingly.

55894   Making `rampup` **calls configurable for debugging**
In certain environments the API `rampup` delivery inconsistent response times. We added debug logging if preconditions for this API exceed a specific threshold and added functionality to allow disabling those preconditions. Note that this serves solely to support debugging of actual issues and should not be used by default. See SCR-63 for more information.

55881   Inbox not loading
The yielded 'javax.mail.internet.AddressException' in case of a parsing error may return 'null' when invoking its 'getRef()' method.
This has been fixed by orderly passing parsed address string to fall-back address instance in case of parsing error.

55872   Removed "Open in browser" for IE
Microsoft Office attempts to render documents within the browser instead of downloading them, however not considering cookies required to fetch the requested information. As a result user experience suffers when trying to view or edit MS Office documents stored within OX App Suite. For this and other reasons we decided to remove the "Open in browser" option when using IE-based browsers. We suggest to use OX Documents for in-browser editing work-flows.

55865   Source Maps Support in AppSuite Development
Modification of source code from middleware before evaluation.
This has been solved by stop modifying source code on the client side.

55862   Error adding OneDrive account
The endpoint to check a Microsoft OneDrive authentication token returned a string without URL encoding which was considered as invalid response. We now perform URL encoding when working with the response.

55835   Folder rename in external accounts very slow
Inefficient check for duplicate/equally named folders and inefficient folder retrieval as well.
This has been fixed by improving performance when updating a folder and fetching folder list afterwards.

55831   Upon external drive account deletion, UI still triggers requests that lead to errors
This has been fixed by adding a missing folder refresh.

55788   Save in drive for webmail user not usable
General problem that might occur if an action gets chained.
Once an undefined list element was present the check always returned true now("draw it").

55785   Improving error message if file upload fails
In case a file upload fails due to intermediate network components, we now return a more usable error message to users.

55776   Spamexperts not working with https
Basic-auth information only provided in "Authorization" header for HTTP protocol, but not for HTTPS.
This has been solved by always providing basic-auth information in "Authorization" header regardless of used protocol and refactored to use newer HttpClient library.

55774   UI used on a mobile device ignores signatures while forwarding an email
Single signature were not fully implemented for mobile.
This has been solved by adjusting the getDefaultSignature method.

55748   Wrong sieve rule written when using "start/end with"
The 'starts with' and 'ends with' simplified rules got mixed up.
Properly parse starts- and ends with match types to solve this issue.

55692   Mobile UI changes layout in jslob
Jslob saves also stores fixed settings that are applied for smartphones only.
This has been fixed by not saving 'layout', 'showContactPictures' and 'showCheckboxes' for mobile devices.

55690   Runtime exception when deleting calendar
When removing a calendar that contained special appointments, a runtime exception could occur based on assumptions made at the code. This is being solved by actually processing every object within a calendar and applying sanity checks.

55679   Create a new signature with image alone - Save button at the bottom should be disabled till the image is saved
Missing handling for pending images.
This has been fixed by introducing cascade.

55676   Empty lines in email get reduced to 1 when sending in "Plain Text" mode
Text mails got a 'cleanup' when displayed in AppSuite.
This has been solved by tweaking replacement of redundant line breaks to preserve two empty lines.

55631   Unable to add external account due to fixed overlay
Fixed typo in login call parameters to solve this issue.

55626   Email format is NOT preserved when being saved to draft folder
Edit was called without considering mail attributes.
Action is now invoked to prevent this issue.

55606   SIEVE `imap4flags` extension is a requirement for custom sieve filter rules
Support for 'imapflags' was removed for the new v2 api in 7.8.4.
This has been fixed by re-adding the support for the 'imapflags' capability.

55587   Missing error handling for large inline messages
In case a user tries to send a mail which size violated upload restrictions due to inline content (e.g. images), no useful error message was returned. We now inform the user about the issue and log the event.

55574   Wrong sort order when using flag as sort option
Wrong sort order returned for "flagged" sort field (660).
This has been solved by returning proper sort order for "flagged" sort field (660).

55561   Per-storage lookup for case handling
Some external storage use case sensitive file and folder names while other rely on insensitive objects. We now allow storage-wise control whether folder names are treated case insensitive or not.

55551   "Expires" drop-down in share link dialog not displayed in IE11
MS Internet Explorer 11 has problems with auto height when bottom CSS attribute is set to 100%.
This has been solved by setting bottom to auto if the browser is IE 11.

55532   Redirection not working on chrome but works on Mozilla
Links accidentally considered as harmful.
Managed a dedicated list of identifiers for possible global event handlers to get all those links working again.

55511   Mail full-size view not opened in IE
When using list view and clicking a mail, in some cases IE and Edge did not provide the expected full-size mail view dialog. This was due to a glitch where focus events get triggered twice by certain browsers and has been solved by not automatically selecting elements when focusing.

55487   Contacts don't add correctly when choosing distribution list
This was caused by a missing check for contacts without mail address.
Now those contacts are filtered.

55458   Blur not removed on specific devices
Using some large-screen Android devices (and Emulators) running Chrome led to unexpected issues like blurred content not getting un-blurred after triggering an action. We adjusted the check for this behavior to only kick in on small-screen devices.

55455   Contacts export and have EOL
LF character was used as line terminator in exported CSV files. Outlook was not able to handle those files. This has been solved by using CRLF sequence as line terminator in exported CSV files.

55453   Open-xchange-cluster-upgrade package not seen for 7.8.3 to 7.8.4 upgrade
Added missing Hazelcast invalidation packages and accompanying bundles for v7.8.3 and v7.8.4 to solve this issue.

55433   Dutch Backend Translation Problem
Was resolved by adjusting Dutch Backed translation.

55425   Unclear behaviour on versioning when uploading files upper/lower case
File name check was case-sensitive.
Now file names check ignoring case to have a standardized procedure.

55413   OX Calendar Print Preview Issue
This was solved by dropping support for browsers built-in printing and give users a hint to use App-Suites print instead.

55409   Contact sort orders are inconsistent at "select address" dialog
Contacts were just sorted by the first character. This has been fixed by adding recursion when letters are equal.

55406   Legit hyperlinks considered harmful
A policy to detect potentially harmful hyperlinks was a bit too strict and affected legit links, mostly in e-tail sales mails. We adjusted the sanitizer to further avoid false-positives.

55389   Inconsistent handling of accounts on smartphones
Adding external (storage) accounts is disabled on smartphones, however the "Accounts" page offered a way to add such accounts. We changed this in order for "Accounts" to be of informational purpose on mobile devices.

55387   Subscribing to external address book sync just one contact
GMX address-book subscriptions were failing to import more than one contact. We re-designed data access to use standard vCard instead of a discontinued API.

55363   Default text style are not retained in compose page after pressing backspace
Styles were applied manually and get cleared after deleting the last letter in mail compose.
This has been fixed by using TinyMCE option 'forced_root_block_attrs' and apply custom style and identifier class.

55362   Translation missing on upload timeout error
Missing string in i18n.
Added missing string to i18n.

55360   Potential XSS-Bug while handling Mail From
Possible control and/or white-space characters returned to clients. This has been fixed by dropping control and/or white-space characters from E-Mail addresses.

55345   Dovecot allows to add more rules than configured for redirect in sieve_max_redirects
Middleware ignored MAXREDIRECTS.
Now Middleware limits redirect commands and "redirect" actions are limited according to the MAXREDIRECTS setting.

55301   Certain rules created with "not" conditions are shown as the positive condition
Certain rules created with -not- conditions, including -not exists- could not be parsed correctly. This has been solved by adjusting the parsing and added backend support for this behavior.

55298   Maximum configured sized needs to be fixed for Japanese Error message
Fixed translation for "Maximum configured sized".

55288   pdf.js progressive rendering floods OX logs with errors on Chrome
Superfluous error logging for common case when client/end-user abruptly aborts the HTTP connection.
This has been fixed by adjusting logging for common case when client/end-user abruptly aborts the HTTP connection.

55285   Wrong sender account when replying to email addresses with upper-case letters
Check was case sensitive.
This has been fixed by comparing case insensitive and fix the sync-async problem for the fallback.

55284   Possible to change threadSupport if protected
We had no consistently check if threadSupport was enabled.
in case 'threadSupport' is disabled also a potentially active folder viewoption 'thread' is ignored to solve this issue.

55273   Logout ends up in a white page
Was caused by a problem with deleted files of running OX Documents when logging out.
This has been solved by rejecting promise in this error case in the quit handler.

55271   File name incorrect Japanese characters
Fullwidth digits were replaced in file names. This has been solved by allowing fullwidth digits in file names.

55265   High load on configdb DB ReadSlave
Excessive querying of all context identifiers, likely caused by unnecessarily "per node" initialization of default attachment storage cleaner. Solution: Efficient retrieval of distinct context identifiers per schema and re-factored default attachment storage cleaner to be managed as cluster task (runs only once, no more per node).

55254   Rename / delete folders in OX Drive not possible
Creation of trash and public folders on demand was removed. This has been solved by reenabling the creation of trash and public folder on demand.

55240   Sharing link can not selected on a mobile device
Copy button was disabled for Safari because of API limitations. This has been solved by enabling the button for Safari again, meanwhile Safari supports the required API.

55229   Japanese text is garbled in App Suite
Some Japanese characters are not display correctly (garbled) in emails. This has been fixed by using "x-windows-iso2022jp" charset in case Javas "iso-2022-jp" charset yields unmapped characters.

55200   Capabilities checks performed against "mailfilter" instead of "mailfilter v2"
Even though the `mailfilter.v2` API is the one being used, capability checks were done against the legacy to `mailfilter` API. This has been solved by setting capability check to `mailfilter v2`.

55199   Custom mail filters break due to changes in `com.openexchange.mail.filter.json.v2`
Command registries are not properly registered as services. Properly register comand registries for new v2 API to solve this.

55175   Mail Module does not render thumbnails for .txt
This has been solved by adding `txt` to regex of supported file extensions for preview.

55171   Mail Modules does not render thumbnails for TIFF and PSD
Missing handling for .psd and .tiff in mail preview. This has been solved by adding PSD and TIFF support to preview list.

55166   Mail representation changes when forwarding
Plain-text mails get "beautified" in a way that lists are displayed like HTML lists, but now in mail compose. User feedback suggests that users prefer consistent handling rather than eye-candy in this case so we dropped post-processing of lists.

55162   Inline images at HTML mails disappear after a short time
Sometimes added Inline images disappeared while composing a new email. This got solved by not advertising the `Content-Length` header for retrieved images from mail storage as associated MIME part does not provide exact size to solve this issue.

55155   java.sql.SQLException: Insert did not produce any results
Looks like that data are missing in table USMSession when inserting data into table USMDataStorage.
This is a partly workaround: In case of an USMStorageException remove cached session data from memory and do a logout. This induces a read from the DB at the next login, the sync-state is then in sync again between the (reading) DB and memory. Reverted the improved debugging, because it leads to heavy logging. Instead introduced an error logging of the current DB data of the tables USMDataStorage and USMSession for the affected context and user.

55148   URL without protocol identifier open relative
When rendering HTML hyperlinks we now consider URLs without a specific protocol (e.g. href= www.example.com) to be absolute and prepend "http://".

55102   Cloud storage - moving of a larger folder / larger number of files between different storages stops after 1100s with error 502
Possible HTTP proxy timeout during long-running operations.
Introduced the possibility to let a client submit a certain operation to a job queue, which can be frequently polled to check operation's status.

55100   Errors regarding logback mbean after update to 7.8.3
In case the `com.openexchange.java-commons.logback-extensions` bundle has not been started an attempt to register its MBean failed. Await availability of Logstash Socket Appender instance prior to attempting to register its MBean to solve this issue.

55096   Dragging a folder into Drive in App Suite UI results in unspecific error
Wrong folders detection on MS Windows. Improved detection to solve this issue.

55085   Tasks: error message on removing editor
Removing oneself as a participant caused permission loss. Which was treated as an error.
Don't treat permission loss as an error anymore as this is expected in this case now.

55084   Onboarding shows EAS configuration without permissions
Missing implementation for mobile view. This has been solved by adding missing implementation.

55075   Attendant can change the participant status of creator in shared calendar
UI changed response so it looked like the currently logged in user confirmed the appointment. This has been fixed by using the actual user that confirmed instead of the currently logged in user.

55057   Folder structure order for the default folders are changed
This was caused by a wrong client side order of the folder. This has been fixed by changing client side order to: inbox, drafts, sent, spam, trash, archive.

55044   OXTender for Outlook destroys SMIME signature
Possible empty line after multipart preamble was not maintained.
Force a blank line before start boundary when writing out multipart content to solve this issue.

55042   Inconsistency when selecting an empty folder in the Mail tab
The text "Empty" is shown initially when selecting a empty mail folder but not when the user did tap on other folders and then returns back. Second visit calls busy twice that breaks the "visibile-invisible-chain". This has been fixed by using a robust implementation that utilizes busy and idle.

54984   Unread messages folder messes up unread count for other folders
Folder selection had virtual/all folder hard coded.
This has been fixed by using configured values to determine virtual/all folder.

54957   No images can be loaded when showing a truncated message fully
Accept new 'forceImages' parameter for 'mail?action=get&view=document' action. Also show extended action label only when external images are filtered out.

54956   Post install script not uses `com.openexchange.mail.filter.preferGSSAPI=true`
When updating from 7.8.3 consider the case where users preferred GSSAPI as SASL mech and set the new `c.o.mail.filter.preferredSaslMech` accordingly to solve this issue.

54944   Subject line with UTF-8 characters are jumbled up
Mixed encoded values are not properly combined. Properly combine mixed encoded values to solve this issue.

54894   E-mail gets only displayed partly
Mail uses absolute positioning. Email exceeded internal limit (32KB) for specific post-processing. Raise size limit for that particular post-processing to 128KB for Chrome, 64KB for other browsers to display those emails.

54884   Error in method SQL query
The related request used wrong column numbers.
This has been solved by adjusting those column numbers.

54879   Quotes in email local part not allowed
Possible quotes (") in local part of an E-Mail address were handled as special characters. Now orderly handle quotes in local part of an E-Mail address to solve this issue.

54877   Tasks cannot be deleted
Duplicate entries were written to the `del_task` folder table. This has been fixed by only writing the most current ones.

54802   Duplicate entry for key PRIMARY Error on update
Inexact SQL expression to remove duplicate entries from `user_attribute` table. This has been fixed by deleting duplicate entries by their UUID association.

54797   CSV import wrong birthday
Added dynamic date format for user locale to solve this issue.

54793   Path at Drive breadcrumb navigation is not updated on rename
When renaming a folder, the associated folder representation at the upper breadcrumb

54792   Excessive querying of `filestore2user`
The `filestore2user` was queried with `SELECT` statements more than necessary, which led to performance issues on large deployments. We now make sure to fetch individual entries, which is often sufficient.

54790   Getting quota does not work anymore
When requesting quota information for non-existing file storage accounts a runtime exception was thrown instead of properly handling the case. This has now been corrected.

54774   Sending user feedback fails with empty SMTP auth values
When sending user feedback as CSV file via mail, empty SMTP authentication configuration settings would prevent sending the mail. We added a potential solution for this, however did not have necessary information to reproduce the original problem. Therefor this fix has to be validated by the requesting customer.

54772   Incomplete documentation on mail account configuration
Existing configuration samples and documentation for the Mail Account feature was incomplete, we updated, corrected and extended it.

54750   TO: with IDN scrambled after reply
The mail sent by Thunderbird does not contain the ASCII representation of the mail address. Instead it contains the unexpected IDN representation. This was fixed in javax.mail as it deals with unexpected mail content. Try to parse with the default java charset. If ASCII is provided (as expected) nothing will change.

54736   Incorrect documentation on User Feedback
Descriptions for the User Feedback feature and its provisioning tools was incorrect with regards to the `--end-time` switch, this got fixed.

54702   Rename folder pop-up not closing
The dialog to rename a folder in App Suite would not close under very special conditions. This has been researched and a potential workaround got applied. The effectiveness of this solutions needs to be validated for the environment in question.

54701   Unable to copy raw image content to mail compose with IE11
When copying raw image content from apps like MS Paint to mail compose, rather than just adding that image via drag&drop or the provided composer options, its content did not get pasted when using IE11. This has been corrected for this particular case, however note that copy&paste is implemented very inconsistently across browsers and operating systems, other cases will potentially not work as expected since the browser does not provide necessary information to web applications.

54681   Amount of auto-complete proposals is limited
We anticipated that 20 proposals for auto-complete were reasonable for most data sets and compatible to typical viewports. As there has been demand to lower this amount, we provided a set of frontend configuration options.

54675   Invalid mail filter rules stored
It was possible to bypass the model validation by triggering the change event via the save button. We added another validation cycle after the "save" event was triggered to prevent empty entries.

54673   Same timestamp shown for drafts in multiple composers
When composing multiple mails at the same time, the date/time information when the mail has been saved as draft was added to all open composer windows and did overwrite the actual date. This has been solved so that each composer window shows the correct saving date.

54593   No error message if import limit is reached
No warning given in case number of imported items were truncated. This has been fixed by adding warning if number of imported objects were truncated.

54580   Issues with parsing plain-text links in mail
Certain E-Mails did contain combinations of text that led to incorrect hyperlink detection. This got solved by parsing links at plain-text mails less greedy.

54563   Adding dot and special char creates unexpected sender
When setting a custom sender name, a combination of dots and special characters led to results that include a double-quote character. This was due to incorrect mail-safe encoding attempts.

54532   Confusing error message "Folder INBOX has been closed on mail server"
Confusing displayed error message. Solution: Rephrased error messages dealing about connectivity issues to mail server to have a more user-friendly information. Moreover added the "Please try again later." suffix to hint to a possibly temporary nature of the issue.

54529   Drive mail drive attachment counting filesize against upload limit
Any mail attachment appended to the new message has been checked against upload quota limitation. Only consider uploaded file (mail attachments) when checking upload quota limitation to solve this issue.

54468   Status of a multi-file incorrect
If a file uplaod was running and a second file upload is started, the upload time were not calculated new. Fixed time estimation as increased collection size was not taken into account during calculation.

54454   Multiple contact selection works only on 2nd try
No previous selection when there actually was an item selected. This has been solved by using the correct selection.

54453   account help page missing
Did some help content re-structuring, so all account related settings are shown at one help page now.

54446   Citrix Desktop usage leads to touch-device handling
When using Citrix Desktop with Firefox, the frontend incorrectly detects a touch device and disables features like drag and drop. This has been correctly for compatibility purposes.

54437   Contact collector not working
Collecting contact information while reading mail was not working when combining specific mail handling (seen/unseen) in combination with contact collection. This has been solved.

54377   Generating missing MD5 sums on filestore Objects causes high read load
There might be situations where the metadata for stored infostore documents does not indicate the referenced files MD5 checksum. This may be the case for files that were stored more than 4 years ago, or for files that have been uploaded in chunks, e.g. during a migration. When synchronizing via OX Drive, the missing checksums for those files are calculated on demand, which requires the files to be retrieved from the underlying storage. When having many or very large files where the checksum needs to be calculated for, this may lead to an increased read load which may impact other processes and systems in the installation. This has been fixed by providing functionality to calculate missing file checksums on demand.

54376   Core mail configuration not reloadable
Various variables can be set at `mail.properties` but could not be re-loaded into the system without a restart. This has been changed to allow reloadable configuration properties.

54349   Edge crashes on large attachments
Too much memory and CPU usage by canvas resize. Integrate canvas resize into our lazyload mechanism so not every picture is processed simultaneously to solve this issue.

54348   Attachment filename wrong when forward email
Building the forwarded mail calling setHeader erased the header information about file name. This has been solved by calling `setHeader` first and set the file name header afterwards.

54311   Unable to send mail with onboard external account as sender
A SMTP server which responds with non standards-compliant multi-line greeting on socket connect messed up parsing of server's capabilities. This has been solved by dealing with multi-line greetings from SMTP server.

54262   No timeout message if loading modules fails
No error message on require timeout. This has been fixed by adding timeout message and reload option with longer timeout (30 seconds).

54252   Missing translation for calendar warnings
In case a calendar contains more than a configurable amount of appointments, we display a warning to the user that performance might be affected. This warning was not properly translated to Japanese, it has been translated now.

54232   File names are case sensitive
The filename reservation logic recorded possibly conflicting filenames in a map using case-sensitive keys. This has been solved by tracking possibly conflicting filenames ignoring case.

54181   Config-cascade inconsistency for value pairs
Certain value pairs where not correctly distributed by the config cascade mechanism, especially those related to services that use oAuth for authentication. We solved this by making those properties config-cascade aware.

54136   Incorrect permission restriction when moving folders in Drive
When moving/copying a folder from a external storage service to folder of the primary OX Drive storage service, a permission related error was thrown. This got solved by properly setting administrator privileges to the creator of a OX Drive folder while copying/moving in folders from external services.

54069   Fuzzy fallback for unsupported languages
In certain cases the frontend language did fall back to german instead of english. This got fixed by setting a explicit fallback to en_US if the browser provides a unsupported language and no previously set OX language cookie.

54067   Outdated "unsupported browsers" message
OX App Suite UI did display incorrect recommendations for mobile browsers when using such as a desktop browser. This has been solved and we're now showing recommendations for mobile browsers only when using a mobile device.

54042   Unable to update dates with Japanese locale
When defining start/end dates at the calendar on mobile browsers, the supplied data did not get taken over to the appointment. This was caused by incompatibility of a date/time format library with specific languages and has been fixed by making sure the same date/time format is used at all related components.

53986   Missing translation for server shutdown message
When shutting down a middleware node, errors are expected and a notice is provided to logged-in users. This notice was not translated to Italian and has been updated.

53964   Incorrect translation for "Unread messages" in Japanese translation
Adjusted the translation to solve this.

53962   Japanese translation issues in Address Picker
Adjusted one translation and added a new translation to the Address Picker.

53959   An I/O error occurred: Connection reset by peer
Client/end-user abruptly aborts the HTTP connection while writing out the content of a ZIP archive. This has been solved by adjusting logging for common case when client/end-user abruptly aborts

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the HTTP connection.

53947 Monthly calendar view does not scroll to previous month
Previous month scrollposition was unreachable due to endless scrolling. This has been fixed by drawing an additional month if trying to scroll to the first drawn month.

53921 Missing folder labels in mail search results
Mail search results usually contain a pointer to where the mail is located, this was missing in some cases. We updated the timing behavior and search consistency for mail.

53916 Adding local files opens camera App on iOS
When using OX App Suite UI with Safari on iOS, the action to add a local attachment resulted in immediate launch of the camera App. We now trigger a selection menu which offers to either use the camera or access existing photos on the device.

53905 Inconsistent behavior between modules for external accounts handling
Button was shown although if no service is available.
This has been fixed by adding check to show subscribe buttons only if there is a service available.

53900 Google Mail Account does not work after adding a second account
When updating an OAuth account (applying a new name), the enabled scopes was accidentally re-seted.
This has been solved by not touching OAuth account's enabled scopes when updating its name.

53841 Mislocated "close" icon for Twitter widget
The "x" to close a widget is mislocated for the Twitter widget in case much content was displayed. This has been solved.

53838 Unable to add hyperlink to an image in mail compose
Once a inline image got added to mail compose, it could not be selected anymore to add a hyper-link. This has been solved by updating TinyMCE.

53795 POP3 External account: messages retrieved are duplicated
Certain POP3 server's do not obey to advertise UIDLs with at max. 70 characters.
This has been fixed by extending the "uidl" column in "pop3_storage_ids" and "pop3_storage_deleted" tables from 70 to 128 characters as some POP3 server advertise bigger UIDL values. An Updatetask will be triggered with this fix.

53790 Problem with executing SQL: Deadlock found when trying to get lock
Possible dead lock situation through concurrent context create operations that imply to add data to "contextAttribute" table in context-associated payload database.
This has been solved by adding retry strategy with exponential back-off and added optional lock to 'contextAttribute' table to ultimately serialize concurrent write operations. Whether the lock is sup-posed to be acquired is controlled through newly introduced "LOCK_ON_WRITE_CONTEXT_INTO_PAYLOAD_DB" property in file 'hosting.properties'. Default is "false".

53785 Unexpected icon when adding external storage
When adding a new external storage account, sometimes unexpected file icons are temporary used which are left-overs of a "busy" indicator. Those will not be shown anymore.

53694 Huge "feedback" label in Japanese
The "Feedback" label contained very long text in its Japanese translation. This has been solved.

53690 Fields considered for sorting / categorizing contacts inconsistent
A contact's (yomi-) firstname was not taken into account during sort name generation in case no (yomi-) lastname was set.
This has been solved by using combination of (yomi-) last- and firstname per default as sort name.

53689   Yomi fields not available / visible with non-Japanese language setting
Missing feature for other languages.
Added new setting and feature to make yomi fields with other languages.

53688   Contacts with Katakana "yomi" fields are sorted and categorized as "other"
Only hiragana in sorting table.
Extend table with katakana to solve the first part. When yomi was given with Half-width Katakana it is still not sorted correctly.

53671   Specific mails produced empty printouts
When printing specific mails that define CSS, the created print version did not show substantial content. This got fixed by dropping certain CSS elements from our whitelist that could lead to broken layouts. See Change #4204.

53649   Folder IDs were shown in PIM objects attachment details
For PIM objects with attachments we did show the hyperlinks pointing to OX Drive instead of the corresponding App. To avoid confusion we did visually remove those links as they provide almost no functionality.

53485   Missing documentation about guest groups
We did not describe what groups of guests are in general and how the differ from standard groups. This has been added to our online help.

53457   Unread counter not updating correctly
When moving a mail to the "Trash" folder, in some cases the unread counter was incorrectly updated. This has been solved by making such "move" operations more robust for the counter.

53454   A IMAP folder called "user" is visible
"user" folder remained in child listing of root folder. Orderly drop single namespace folders from LSUB collection to solve this issue.

53452   Missing creator information for resource conflicts
In business use-cases its helpful to understand which person create an appointment that blocks a resource. We've added a frontend configuration switch for this.

53437   Inconsistency for thumbnails and image preview
Certain file formats (tiff, psd, pbm) were shown as thumbnail preview while not being supported in image preview. To ensure consistency we added support for tiff and psd files to image preview.

53368   UI does not load but also not redirect to unsupported.html for MSIE 9.0
Latest code changes make IE9 unusable.
Now sending MSIE 9 users to the unsupported HTML file.

53340   Appointment status of participant not updated via EAS
The list of confirmations was not part of the USM sync-state.
USM syncs now the list of confirmations from the backend to solve this issue.

53260   Missing meeting response buttons with Windows Mobile
Invitations through EAS were confusing Windows Mobile 10 due to their participant list. We've updated the binary XML to simulate behavior closer to an Exchange server.

53233   No appropriate folder storage for tree identifier "0" and folder identifier "label"
Used dummy folder_id 'label'.
This has been fixed by using 'virtual/label' now to avoid that an invalid ID is used in server requests.

53169   Multiple SOAP events are generated when modifying recurring appointment
When changing a timeframe of a appointment exception by using drag and drop repeatedly, multiple event notifications are sent. This affects a specific calendar "integration" and has no impact to

typical usage.

53157   Missing meeting response buttons with iOS
Invitations through EAS were confusing iOS due to their participant list. We've updated the binary
XML to simulate behavior closer to an Exchange server and send the `MeetingStatus` node.

53100   Mail is not beeing displayed, blocking other from beeing displayed in INBOX
This was due to missing recovery for an unsupported character-encoding.
This has been solved by handling possible unsupported character-encoding.

52798   Missing appointments in Outlook
In special cases, a list of deleted change exceptions for recurring appointments was provided by
Outlook to USM, which led to an exception and subsequently incomplete sync. This got fixed by
considering this case.

52764   Documentconverter allows conversion without 'document_preview' capability
Files API handles .csv files differently whether we check for the file extension or the mime type.
This has been fixed by checking directly for view model type instead of using the mime type based
files API methods.

52756   Twitter can not be configured anymore
Case-sensitive look-up for an OAuth API: "Twitter" is not equal to "twitter";Case-sensitive look-up
for an OAuth API: "Twitter" is not equal to "twitter".
Perform ignore-case look-up by OAuth API identifier to solve this issue.

52719   Prefetched documents are not used by the viewer
In some cases like PDF source content or previously rendered files, a ManagedFile was returned
although the request contained an `async` flag. This has been solved by ignoring ManagedFiles at
all whenever `async` flag is set at request and return a JSON Object with element {`"async":true`} in
such cases.

52637   Unable to print encrypted mails
Encrypted mails could not be printed after decrypting. This has been fixed.

52470   Incorrect detection of users USM capabilities
In certain cases a users capabilities to use USM and related sync implementations got incorrectly
detected. We solved that by sticking to the advertised module access permissions instead of dy-
namically resolving it.

52107   Different display of name with comma
Parentheses were rigorously dropped from address strings.
Solution: Keep parentheses in quoted personal part; e.g. `"Doe, Jane (JD)" <doe.jane@domain.de>`.

51967   Missing distribution lists in Outlook
When syncing Outlook using USM, certain amounts and combinations of contacts and distribution
lists could lead to a situation where only a subset of contacts but not all distribution lists got synced.
This has been solved by sorting the type of object (contact, distribution list) prior to performing the
sync operation. This way the kind of objects retrieved at the client side stays consistent in case the
total amount of objects exceeds the chunk size for one sync operation.

51594   Drive opens wrong files directly after upload - wrong link in UI
indexing mismatch between the DOM nodes representing the file items and the model entries
holding the file data.
This has been solved by fixing the sort method.

51575   Runtime exception when using `DEBUG` log level
In case `DEBUG` level logging is performed, log entries regarding database access could cause `NullPointer`
`Exception`. This has been solved by making log output safer.

51462   Full-day appointments could not be converted with Lightning

When using Thunderbird/Lightning and CalDAV of OX App Suite, full-day appointments could not be converted back to normal appointments using the CalDAV client. The reason for this was a client-specific CalDAV header used to indicate full-day appointments which caused issues with Lightning. We removed this header if the associated user-agent does not expect it.

51093   "Switch to parent folder" leads to hidden root for external storages

The root folder is "9" for Drive, but for external storages it is "1". When the root is reached, the overview is shown. The check if the root is reached only considered "9" and therfor did not work when using external storage accounts. This has been fixed by checking also for folder id "1" for external storages.

51091   Upload to external filestorage account folder does not abort if overquota and fails

Missing error handling for overquota in multiple file upload.

This has been solved by checking error FLS-0024 and stop queue if this error appears. Also check for rate limit error. If one of those errors appear, the upload queue stops and removes all files from the queue.

5   Changes relevant for Operators

5.1   Changes of Configuration Files

Change #4568   Allow to change image quality for embedded PDF using readerengine

Adding new property `com.openexchange.documentconveter.pdf.jpegQualityPercentage` (Default: 75) to `documentconverter.properties`. PDF document conversion properties sets the quality of exported images as percentage value when converting a document to PDF format. Lower values result in smaller PDF documents, if the document contains appropriate images. The default quality value of 75% is a good compromise between quality and size of exported images.

Change #4351   Deprecated `webdavxml` access combinations options

The support for the OXtender 1 for Microsoft Outlook and OXtender for SyncML was dropped back in 2012. It was time to remove the related WebDAV XML API that was used by the OXtenders. Therefor, the `webdavxml` attribute at `ModuleAccessDefinitions.properties` has been marked as deprecated.

Change #4301   Feature toggle for PIM attachments

PIM attachments were designed to be always available, despite any configuration or capability. The capability `filestore` was only introduced to decide where mail signatures (so called snippets) are to be stored: file store or database. A customer can now have a system without `filestore` but still wants attachments. By switching on `filestore` all mail signatures are "lost" as the according database storage is not considered anymore.

We introduced a UI setting that allows to en-/disable the attachment sections. The setting is optional and falls back to the existence of the `filestore` capability. In that way we break nothing but affected customers can re-activate the attachment sections without enabling the capability. Setting: `features/PIMAttachments` at `io.ox/core`.

Change #4293   Add configuration setting for mail `FROM` at SMTP Envelope

The mail `FROM` was the guest's email address when sending through the guest SMTP relay server. This can cause issues if the SMTP server requires a known user, and can cause issues with SPF. The following Configuration Setting is added: `com.openexchange.guard.guestSMTPMailFrom=` (Default: `empty`).

Change #4247   New configuration for password-change history feature

To support the password change history feature new parameters `com.openexchange.passwordchange.history.enabled` (Default: `false`), `com.openexchange.passwordchange.history.limit` (Default 10) and `com.openexchange.passwordchange.history.handler` (Default `default`) are added.

Change #4204   Dropped CSS style elements from white-list causing bad formatting
Removed the following lines from `whitelist.properties` file:

- `html.style.page-break-after=", always, avoid, left, right, inherit, auto, "`

- `html.style.page-break-before=", always, avoid, left, right, inherit, auto, "`

- `html.style.page-break-inside=", avoid, auto, "`

Change #4196   Disabled Twitter oAuth by default
Set default for `com.openexchange.oauth.twitter` property to `false` as it is for other oAuth services.

Change #4194   New lean configuration options for session management feature
Added new lean configuration options for session management feature:

- `com.openexchange.session.management.globalLookup` (Default: `true`) - Search for user sessions in session storage and other cluster members.

- `com.openexchange.session.management.clientBlacklist` (Default: `empty`) - A comma-separated list of blacklisted clients. Those sessions will not be listed.

Change #4149   Corrected the contact import mappings
The field mappings for "Marital status" and "Employee ID" at `open-xchange.properties` were wrong and have been updated.

Change #SCR-188   Changed `readerengine.blacklist` configuration
Changed configuration regexp from `file://.*` to `.*` in order to block all (!) external URLs within document by default for security reasons. With the old setting, only file URLs to the local file system on the server were blacklisted. Since it would be still possible to access web services on the local system via external URLs within the document, the default has been changed to disallow all external URLs by default. This strict setting has been chosen to forbid access to not allowed resources in a most secure way.

Change #SCR-187   Changed default values of Mail App client on-boarding links
Changed the default values of the non-lean client on-boarding links (Google PlayStore/App Store) for Mail App v2 in file `client-onboarding-mailapp.properties`.

Default value of property `com.openexchange.client.onboarding.mailapp.store.google.playstore` is changed to https://play.google.com/store/apps/details?id=com.openxchange.mobile.oxmail.

Default value of property `com.openexchange.client.onboarding.mailapp.store.apple.appstore` is changed to https://itunes.apple.com/us/app/ox-mail-v2/id1385582725.

Change #SCR-183   Added config option `com.openexchange.imap.includeSharedInboxExplicitly`
Added new lean config option `com.openexchange.imap.includeSharedInboxExplicitly` (Default: `false`) to control whether shared INBOX should be visible as "shared/user" or "shared/user/INBOX".

Change #SCR-182   Added option `com.openexchange.groupware.update.excludedUpdateTasks`
Defines a comma separated list of namespace-aware update tasks and update task sets to exclude from the update procedure. Default is `empty`.

Change #SCR-175   Added new property `com.openexchange.server.migrationRedirectURL`
Specifies the redirect URI/URL during cluster migration to which a client is redirected in case it directed on a unsuitable node running incompatible application code.

Change #SCR-174   Removed unnecessary `IGNORE_SHARED_ADDRESSBOOK`
Drops the unused `IGNORE_SHARED_ADDRESSBOOK` setting from `foldercache.properties` configuration

file.

Change #SCR-168   Configuration options for new calendar

Along with the new calendar implementation, new configuration properties were introduced, while no longer needed ones are removed. Please see `https://documentation.open-xchange.com/components/` `middleware/config/7.10.0/#mode=search&term=com.openexchange.calendar` for all calendar related configuration options.

Change #SCR-160   Added CSS style elements to `whitelist.properties` file

The following lines have been added to `whitelist.properties` file:

- `html.style.webkit-box-sizing=""`

- `html.style.moz-box-sizing=""`

- `html.style.box-sizing="border-box`

- `html.style.-webkit-box-sizing="border-box`

- `html.style.-moz-box-sizing="border-box`

Change #SCR-159   New property to limit email sizes synchronized via EAS

The size of emails to be synchronized via EAS needs to be limited to avoid consuming too much memory leading the middleware to `OutOfMemoryExceptions`. Default: 20MB (`20971520`)

Change #SCR-158   Added new property for S3 metric collection

Introduced the `com.openexchnge.filestore.s3.metricCollection` (Default: `false`) property.

Change #SCR-151   Changed default value for `com.openexchange.push.allowedClients` property

Changed default value for old-fashioned `com.openexchange.push.allowedClients` property in file `mail-push.properties` file by adding the client identifier for the Mobile API Facade. New default value is: `com.openexchange.push.allowedClients="USM-EAS*"`, `"USM-JSON*"`, `"open-xchange-mailapp"`, `"open-xchange-mobile-api-facade*"`.

Change #SCR-149   Introduced new setting for Japanese furigana support

Introduced new boolean setting `io.ox/contacts//features/furigana` (Default: `false`). If set to `true`, Japanese furigana fields are shown in the address book for every language, not only Japanese. This is a server setting and has no user-level option to change it.

Change #SCR-147   Removed `CREATE_CONTEXT_USE_UNIT` property

Removed property `CREATE_CONTEXT_USE_UNIT` from file `hosting.properties` due to reworked context provisioning.

Change #SCR-143   Added lean option to hide inline images

Added lean boolean option `com.openexchange.mail.hideInlineImages` (Default: `true`), which specifies whether images that are considered as inline are advertised via HTTP-API as attachment or not.

Change #SCR-141   Added lean properties for the Google Calendar provider

`com.openexchange.calendar.provider.google.refreshInterval` (Default: `10`) defines the refresh interval in minutes for the Google Calendar provider. If the value is <0 the default of one day will be used. `com.openexchange.calendar.provider.google.retryOnErrorInterval` (Default: `1000`) defines the time in seconds to wait for the next request to Google in case an error occurred. The minimum is `2`.

Change #SCR-137   Added options to support IMAP hosts with multiple IP addresses

Added lean config option `com.openexchange.imap.useMultipleAddresses` (Default: `false`) which enables/disables support for multiple IP addresses resolvable for a certain (IMAP) host. In case a connect attempt against a certain IP addresses encounters a (connect) timeout, then a fail-over

to the next IP address happens. Moreover, introduced lean option `com.openexchange.imap.use` `MultipleAddressesMaxRetries` (Default: 3) to control how many connect attempts will occur. Note. This setting is only effective if `com.openexchange.imap.useMultipleAddresses` is set to `true`.

Change #SCR-136   Drive Mails default expiry policies are now handled on server side only
The config option `com.openexchange.mail.compose.share.expiry` is used to set the expiry date options that clients are supposed to offer for new Drive Mails. Value must be a comma-separated list in ascending order.

Change #SCR-134   Added boolean property `com.openexchange.contact.showDepartments`
Defines whether the value of the departments field will be shown upon an auto-complete search. The department will only be shown for entries that are in the Global Address Book. Default: `false`.

Change #SCR-133   Configuration options to enable and configure Grizzly access log
Introduced the following lean configuration options to enable and configure Grizzly access log:

- `com.openexchange.http.grizzly.hasAccessLogEnabled`

- `com.openexchange.http.grizzly.accesslog.file`

- `com.openexchange.http.grizzly.accesslog.format`

- `com.openexchange.http.grizzly.accesslog.rotate`

- `com.openexchange.http.grizzly.accesslog.synchronous`

- `com.openexchange.http.grizzly.accesslog.statusThreshold`

- `com.openexchange.http.grizzly.accesslog.timezone`

Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index. html#mode=features&feature=Grizzly for detailed information.

Change #SCR-128   Configuration options to limit the set of mail filter rules
Introduced the following lean configuration options to limit the set of available tests, actions and comparisons:

- `com.openexchange.mail.filter.options.allowNestedTests`

- `com.openexchange.mail.filter.blacklist.[base]`

- `com.openexchange.mail.filter.blacklist.[base].[element].[field]`

Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index. html#mode=features&feature=Mail%20Filter for detailed information.

Change #SCR-127   Configuration option for mail authenticity
Introduced the following lean configuration options for mail authenticity: `com.openexchange.mail.` `authenticity.trusted.[tenant].config`. Please see https://documentation.open-xchange.com/ components/middleware/config/7.10.0/index.html#mode=features&feature=Mail%20Authenticity for detailed configuration options

Change #SCR-126   Added property to ignore deleted mails
New lean property `com.openexchange.imap.ignoreDeleted` to ignore mails which are marked as \Deleted for unread count. If this property is set to true also a JSlob entry is added: `io.ox/mail//features/ignoreDeleted`.

Change #SCR-125   Configuration options for calendar self-protection
Introduced the following lean configuration options to set calendar limits as self-protection:

- `com.openexchange.calendar.maxEventResults`

- `com.openexchange.calendar.maxAttendeesPerEvent`

- `com.openexchange.calendar.maxAlarmsPerEvent`

Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=Calendar for detailed configuration options

Change #SCR-124   Added config option to enable usage of IMAP attachment user flags
Added new config option `com.openexchange.imap.attachmentMarker.enabled` to enable usage of `$HasAttachment` and `$HasNoAttachment` IMAP user flags, which allows a user to sort and search E-Mails by has-attachment attribute. Moreover, the algorithm to detect whether an E-Mail has file attachments relies on aforementioned user flags, which avoid examining each message's MIME tree individually. Note: Applies only to the primary mail account and requires `com.openexchange.mail.userFlagsEnabled` being set to `true`.

Change #SCR-120   Removed `oxupdaterinstall` **from onboarding properties**
Discontinued the support for OX Updater. Removed option `oxupdaterinstall` from `client-onboarding.properties` file.

Change #SCR-118   Configuration options for OpenID related Hazelcast Maps
Introduced configuration files `oidcAuthInfos.properties` and `oidcLogoutInfos.properties` which define configuration options for OpenID related Hazelcast Maps.

Change #SCR-94   Configuration options for OpenID support
Introduced lean configuration options to communication with an OpenId Provider alongside a few switches to enable certain features as well as a core implementation of the core backend. Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=OpenID for detailed configuration options.

Change #SCR-89   Configuration options to disable certain ramp-up elements
Introduced the following lean configuration options, which can be set per client:

- `com.openexchange.ajax.login.rampup.disabled.[client-id].serverConfig`

- `com.openexchange.ajax.login.rampup.disabled.[client-id].jslobs`

- `com.openexchange.ajax.login.rampup.disabled.[client-id].oauth`

- `com.openexchange.ajax.login.rampup.disabled.[client-id].folder`

- `com.openexchange.ajax.login.rampup.disabled.[client-id].folderlist`

- `com.openexchange.ajax.login.rampup.disabled.[client-id].user`

- `com.openexchange.ajax.login.rampup.disabled.[client-id].accounts`

Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=Login for detailed configuration options.

Change #SCR-87   Options for dedicated session limit for guests and anonymous links
Introduced the following lean configuration options to for dedicated session limit for guests and anonymous links:

- `com.openexchange.sessiond.maxSessionPerLink`

- `com.openexchange.sessiond.maxSessionPerGuest`

Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=SessionD for detailed configuration options.

Change #SCR-82   `jcs.enabled` has been removed from `cache.properties`
`com.openexchange.caching.jcs.enabled` has been removed because the JCS cache is practically required. That option is now always considered to be true for relevant code sections.

Change #SCR-78   Extend CalDAV `interval.start` and `interval.end` by numeric values
The properties `com.openexchange.caldav.interval.start` and `com.openexchange.caldav.interval.end` are adjusted to allow more configuration options for the synchronized timespan of the CalDAV interface. Now, a numerical value defining the number of days in the future or past can be set here, however, the previously used constant `one_year`, `two_years`, `one_month` and `six_months` are still understood by the code. Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=tags&tag=CalDAV for detailed configuration options.

Change #SCR-77   Increased max. cache size for essential cache regions in `cache.ccf` file
The max. cache size for the following properties has been increased:

- `jcs.region.User.cacheattributes.MaxObjects=4000000`

- `jcs.region.UserConfiguration.cacheattributes.MaxObjects=4000000`

- `jcs.region.UserPermissionBits.cacheattributes.MaxObjects=4000000`

- `jcs.region.UserSettingMail.cacheattributes.MaxObjects=4000000`

- `jcs.region.Context.cacheattributes.MaxObjects=1000000`

Change #SCR-72   Configuration option to add an additional header to very outgoing mail
Introduced `com.openexchange.smtp.setPrimaryAddressHeader` property to add an additional header to very outgoing mail. Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=SMTP for detailed configuration option.

Change #SCR-70   Configuration options for APNS HTTP/2
Introduced a YAML configuration file `pns-apns_http2-options.yml` for the APNS HTTP/2 transport of the Push Notification Service.

Change #SCR-69   Configuration options for mail authenticity
Introduced the following lean configuration options for mail authenticity:

- `com.openexchange.mail.authenticity.enabled`

- `com.openexchange.mail.authenticity.threshold`

- `com.openexchange.mail.authenticity.authServId`

- `com.openexchange.mail.authenticity.trusted.tenants`

- `com.openexchange.mail.authenticity.trusted.[tenant].domains`

- `com.openexchange.mail.authenticity.trusted.[tenant].image.[imageId]`

- `com.openexchange.mail.authenticity.trusted.[tenant].fallbackImage`

Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=Mail%20Authenticity for detailed configuration options.

Change #SCR-66   `com.openexchange.hazelcast.jmxDetailed` property has been removed
The `com.openexchange.hazelcast.jmxDetailed` property has been removed from `hazelcast.properties` file, because it is not supported by Hazelcast v3.9 anymore.

Change #SCR-63   Option to track execution of individual rampup calls
Introduced the following lean configuration options to blacklist mail filter elements: `com.openexchange.ajax.login.rampup.debugThresholdMillis`. Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=Login for detailed configuration option

Change #SCR-53   Introuced a list of global event handlers (JS) for the HTML sanitizer
The configuration file `globaleventhandlers.list` now provides a list of JavaScript events that might

trigger JS execution on HTML sanitizing. This list, and the internally managed default list is used by the sanitizer to check if the content is whether considered harmful or not.

Change #SCR-50   New property to limit stack-trace content has been added
`com.openexchange.ajax.response.excludeStackTraceFor` is a server-side switch that prevents stack-traces from being included in API responses. Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/#com.openexchange.ajax.response.excludeStackTraceFor for detailed configuration option.

Change #SCR-49   Known proxy property does now allow subnets
The `com.openexchange.server.knownProxies` property does now allow subnets as known proxies. Description in `server.properties` file has been adjusted.

Change #SCR-41   Configuration options to blacklist mail filter elements
Introduced the following lean configuration options to blacklist mail filter elements:

- `com.openexchange.mail.filter.blacklist.actions`

- `com.openexchange.mail.filter.blacklist.tests.from.comparisons`

Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=Mail%20Filter for detailed configuration options.

Change #SCR-33   Configuration options for dedicated snippet quota
Introduced the following lean configuration options for dedicated snippet quota:

- `com.openexchange.snippet.filestore.quota.mode`

- `com.openexchange.snippet.filestore.quota.perUserLimit`

Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=Snippets for detailed configuration options.

Change #SCR-27   Configuration options for password change history feature
Introduced the following lean configuration options for password change history feature:

- `com.openexchange.passwordchange.history.enabled`

- `com.openexchange.passwordchange.history.limit`

- `com.openexchange.passwordchange.history.recorder`

Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=Password%20Change%20History for detailed configuration options.

Change #SCR-24   Options to enable/configure socket monitoring framework
Several options are introduced to enable and configure socket monitoring framework. General option: `com.openexchange.monitoring.sockets.enabled` (Default: `false`) to enabled/disable the socket monitoring framework. Options for sample recording: `com.openexchange.monitoring.sockets.tracing.numberOfSamplesPerSocket` (Default: `1000`) specifies how many samples are allowed to be tracked per socket in a LIFO (stack) manner. Older samples, which exceed that limitation, are dropped from the stack. A value of less than/equal to `0` (zero) effectively disables sample recording. Moreover, `com.openexchange.monitoring.sockets.tracing.keepIdleThreshold` (Default: `300000`) defines the time in milliseconds when an idle sample collection gets removed in the background. To narrow down the recorded samples to relevant ones, the sample recording offers the following properties:

- `com.openexchange.monitoring.sockets.tracing.thresholdMillis` (Default: `100`) specifies the threshold in milliseconds that is required to be exceeded to let a sample be added to recorded sample collection. Otherwise the sample is discarded. This allows to only collect those samples that exceed a quite long-running wait for a socket read.

- `com.openexchange.monitoring.sockets.tracing.filter.hostnames` allows to define a filter based on host names, IP addresses or IP address ranges. That property allows to exclude socket samples for outer end-points and to only consider for internal ones. I.e `com.openexchange.monitoring.sockets.tracing.filter.hostnames=192.168.0.1-192.168.255.255, 10.20.0.1/255, *.mydomain.org, special-service.internal.org`

- `com.openexchange.monitoring.sockets.tracing.filter.ports` allows to define a filter based on port numbers. That property allows to only consider socket samples for certain serves (e.g. 143, 993 for only IMAP).

Dedicated file logging

- `com.openexchange.monitoring.sockets.tracing.logging.enabled` (Default: `false`) enables/disables dedicated logging.

- `com.openexchange.monitoring.sockets.tracing.logging.level` specifies the log level for that dedicated logging allowing the values error, warn and info

- `com.openexchange.monitoring.sockets.tracing.logging.fileLocation` defines the file location (e.g. /var/log/open-xchange/sockets/socket.log)

- `com.openexchange.monitoring.sockets.tracing.logging.fileLimit` defines the max. size (in bytes) for file

- `com.openexchange.monitoring.sockets.tracing.logging.fileCount` defines how many individual log files are allowed to be created

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Change #SCR-13   Configuration options for session management feature
Introduced the following lean configuration options for session management feature:

- `com.openexchange.session.management.globalLookup`

- `com.openexchange.session.management.clientBlacklist`

Please see https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=features&feature=Sessionmanagement for detailed configuration options,

Change #SCR-8   `LOCK_ON_WRITE_CONTEXT_INTO_PAYLOAD_DB` property has been added
The parameter controls whether to acquire a lock or not when writing context data into associated payload database. This avoids possible deadlock situations that may occur on concurrent context create operations that are not resolvable through performing a retry strategy with exponential back-off, but does affect throughput for context create operations. Default is 'false' (no lock is supposed to be acquired).

Change #SCR-6   CSS style elements causing bad formatting have been removed
The following lines have been removed from `whitelist.properties` file:

- `html.style.page-break-after=", always, avoid, left, right, inherit, auto`

- `html.style.page-break-before=", always, avoid, left, right, inherit, auto`

- `html.style.page-break-inside=", avoid, auto,"`

Change #SCR-1   Default for `com.openexchange.oauth.twitter` property has been changed
The default value for all OAuth services except Twitter were `false`. This has been changed and all available OAuth services are now consistently set to `false` by default.

Change #SCR-42   Enable PasswordChangeHistory per default
With 7.10.0 the PasswordChangeHistory feature is being enabled per default. Therefore the default value for the property `com.openexchange.passwordchange.history.enabled` is now `true`.

5.2 Changes of Database Schema

Change #4177   Add `expires` **column to table** `pns_subscription`
Push subscriptions need to be stored with an optional expiration date. Related update-task: `com.openexchange.pns.subscription.storage.groupware.PnsSubscriptionsAddExpiresColumTask`.

Change #4173   Extending space for POP `UIDL` **values**
Even though not being standards compliant, some POP servers send large `UIDL` values. We extended the related column at `pop3_storage_ids` and `pop3_storage_deleted` to 128 chars to deal with this. Related update-task: `com.openexchange.groupware.update.tasks.POP3ExtendUidlTask`.

Change #4037   Added `personal` **column to users aliases**
We added the `personal` column to `user_alias` table. Related update-task: `com.openexchange.groupware.update.tasks.AddPersonalColumnToUserAliasTableTask`.

Change #SCR-180   Added new table oxfolder_user_property
Related database update-task: `com.openexchange.tools.oxfolder.property.sql.CreateFolderUserPropertyTask`.

Change #SCR-179   Added the 'host_hash' column in the 'user_certificate' table
Adds (if not exists) the column 'hash_host' in the table 'user_certificate', calculates for every 'host' entry the SHA-256, stores it in the new column, drops the already existing PK and creates a new one with the 'hash_host' column. Related database update-task: `com.openexchange.net.ssl.management.storage.AddHashHostColumnUpdateTask`.

Change #SCR-178   Remove duplicate entries from the 'updateTask' table
Removes all duplicate entries (if any) from the updateTask table. Related database update-task: `com.openexchange.groupware.update.tasks.RemoveDuplicatesFromUpdateTaskTable`.

Change #SCR-177   Migration of the Google Calendar Subscriptions
Migrates the google calendar subscriptions from the subscriptions table to the new chronos-related `calendar_account` table. Related database update-task: `com.openexchange.chronos.provider.google.migration.GoogleSubscriptionsMigrationTask`.

Change #SCR-176   Added new column identity to the oauthAccounts table
Related database update-task: `com.openexchange.oauth.impl.internal.groupware.OAuthAddIdentityColumnTaskV2`.

Change #SCR-173   Remove all unnecessary "Shared address book" IDs from database
Drops the unused "Shared address book" (id 5) from database. That folder was created ever since, but effectively disabled through `IGNORE_SHARED_ADDRESSBOOK=TRUE` setting at `foldercache.properties` file. Related database update-task: `com.openexchange.groupware.update.tasks.DropUnusedSharedAddressBookFolder`.

Change #SCR-170   Remove aliases from non-existent users from database
Possible left-over entries in alias database table, which need to be dropped. Related database update-task: `com.openexchange.groupware.update.tasks.DropAliasesFromNonExistentUsers`.

Change #SCR-156   Migration of calendar data
A new calendar and scheduling stack is introduced. Therefore, calendar data from the old database tables is converted and stored in a new format. Further details are available at `https://documentation.open-xchange.com/7.10.0/middleware/components/calendar/data_migration.html`. Related database update-task: `com.openexchange.chronos.storage.rdb.migration.ChronosStorageMigrationTask`.

Change #SCR-155   Added new tables for calendar
A new calendar and scheduling stack is introduced. Therefore, new database tables will be created. Related database update-task: `com.openexchange.chronos.storage.rdb.groupware.ChronosCreateTableTask`.

Change #SCR-150   Added INDEX for a fast look-up if a certain token is already in use
Adds an index using `token`, `transport` and `client` columns to table `pns_subscription` for a fast look-up if a certain token is already in use. Related database update-task: `com.openexchange.pns.subscription.storage.groupware.PnsSubscriptionsAddIndexTask`.

Change #SCR-132   Store meta-data for an inline image of a signature
Store Content-Type and Content-Disposition meta-data for an inline image of a signature. Therefore table `snippetAttachment` is enhanced by two additional columns `mimeType` and `disposition`. Related database update-task: `com.openexchange.snippet.rdb.groupware.RdbSnippetAddAttachmentMimeTypeAndDisposition`.

Change #SCR-130   Added new column origin to `infostore` and `oxfolder_tree` tables
Added `origin` column to (`del_`)`infostore` and (`del_`)`oxfolder_tree` tables. Related database update-task: `com.openexchange.groupware.update.tasks.AddOriginColumnToInfostoreDocumentTables`.

Change #SCR-114   Added new columns `type` and `sharedParentFolder` to `oxfolder_permissions`
To support the new folder permission types the permission tables had to be extended. Related database update-tasks: `com.openexchange.groupware.update.tasks.AddTypeToFolderPermissionTableUpdateTask` and `com.openexchange.groupware.update.tasks.AddSharedParentFolderToFolderPermissionTableUpdateTask`.

Change #SCR-99   Add new table to guard database for upgraded users
A new database table is created in the `oxguard` database. This table is used if a user, who did not have Guard capability, received Guest emails and was later upgraded to full Guard user by the administrator. Related database update-tasks: `Liquibase 2.10.0:upgraded:create` and `Liquibase 2.10.0:upgraded:addPrimaryKey`.

Change #SCR-79   Removed unnecessary foreign key from `oauthAccounts`
Drop useless Foreign-Key from `oauthAccounts` table. Related database update-task: `com.openexchange.oauth.impl.internal.groupware.DropForeignKeyFromOAuthAccountTask`.

Change #SCR-68   Removed unnecessary foreign key from `object_use_count`
Needless Foreign-Key to `user` table is dropped from `object_use_count` table. Related database update-task: `com.openexchange.groupware.update.tasks.DropForeignKeyFromObjectUseCountTable`.

Change #SCR-36   Added new table `user_password_history`
For each user the following data is saved: the date when the password change was made, the client which changed the password and the IP address of the client (if available). Related database update-task: `com.openexchange.passwordchange.history.impl.groupware.PasswordChangeHistoryCreateTableTask`.

Change #SCR-10   Table `pns_subscription` has been extended by `expires`
The column has been introduced to store an optional expiration date for push subscriptions.

5.3   Changes of Commandline Tools

Change #4236   New command-line tool `calculatefilechecksums`
There might be situations where the metadata for stored infostore documents does not indicate the referenced file's md5 checksum. This may be the case for files that were stored more than 4 years ago, or for files that have been uploaded in chunks, e.g. during a migration. When synchronizing via OX Drive, the missing checksums for those files are calculated on demand, which requires the files to be retrieved from the underlying storage. When having many or very large files where the checksum needs to be calculated for, this may lead to an increased read load which may impact other processes and systems in the installation. Therefore, a new command-line tool named `calculatefilechecksums` has been introduced, which allows to calculate such missing checksums on demand (operating either on a per context or database schema level).

Change #SCR-189   Removed '-p' short option of `showruntimestats`
One of the duplicate `-p` options of the `showruntimestats` CLT needed to be removed. Therefor the `-p` short option for `--threadpoolstats` has been dropped.

Change #SCR-184   Introduced new command-line tool `listUpdateTaskNamespaces`
The `listUpdateTaskNamespaces` can be used to list all namespaces for any update tasks and/or update task sets. The outcome of this tool can be used to populate the property `com.openexchange.groupware.update.excludedUpdateTasks`. Entries in that property will result in excluding all update tasks that are part of that particular namespace.

Change #SCR-161   Introduced new command-line tool `showconfigdocu`
The `showconfigdocu` command-line tool can be used to print the config documentation.

Change #SCR-135   Introduced a new `diagnostics` **command-line tool**
Introduced a new command-line tool `diagnostics` along with its core and remote service implementations with which the diagnostic information of the servlet 'diagnostic' are exposed over RMI.

Change #SCR-75   Removed `cluster-weight` **option from command-line tools**
The `cluster-weight` option has been removed from all relevant command-line Tools. Moreover, `listdatabase` no more outputs the `weight` column. Cluster weight is now assumed to be always `100` for registered master, read-write databases

Change #SCR-34   Introduced new command-line tool `recalculatefilestore`
There may be situations, where the filestore usage needs to be recalculated (e.g. when switching to 'dedicated' snippet quota mode). The `recalculatefilestore` command-line tool can be used to re-calculate the filestore usage.

Change #SCR-25   Introduced new command-line tool `calculatefilechecksums`
There might be situations, where the metadata for stored infostore documents does not indicate the referenced file's md5 checksum (e.g chunk-wise uploaded files during migration). The `calculatefilechecksums` command-line tool can be used to determine, calculate and store such checksums.

Change #SCR-20   Extended `exportuserfeedback` **command-line tool by** `--delimiter`
The `--delimiter` parameter specifies the CSV delimiter for the exported user-feedback file. Please see https://documentation.open-xchange.com/7.10.0/middleware/components/commandlinetools/ExportUserFeedback.html for detailed information.

Change #SCR-5   ** `xmlModifier` **command-line tool has been extended by `-z` **parameter**
The `-z` parameter defines if duplicate matching elements should be removed (zapped) instead of only being replaced (`-r`) to the `xmlModifier` tool used by packaging scripts.

5.4   Changes of Behavior

Change #4348   Refactoring of attachment sharing
We refactored the mail compose part related to sharing attachments. The central extension point for the view is now `io.ox/mail/compose/sharing`. So almost every extension references the old point has to be adjusted.

Change #4229   Remove folder selections `resetSelected` **function**
The function has been marked as deprecated with 7.8.2 and has been removed.

Change #4227   Remove deprecated `io.ox/core/date` **library**
Custom lib gets removed permanently after being marked as deprecated since 7.8.1. Please use `moment.js` instead.

Change #SCR-157   New calendar implementation
A new calendar and scheduling stack is introduced. This comes along with some behavioral changes. Further details are available at `https://documentation.open-xchange.com/7.10.0/middleware/components/calendar/implementation_details.html`.

Change #SCR-139   Made host-name verification globally effective
Enabled host-name verification globally if property `com.openexchange.net.ssl.trustlevel` is set to "restricted" and property `com.openexchange.net.ssl.hostname.verification.enabled` advertises `true`. Prior to this change, host-name verification has only been considered for SSL connections to HTTP end-points. Now, host-name verification is applied to every SSL connection if aforementioned conditions are met.

Change #SCR-123   Decoupled infostore `last_modified` from sequence number
Due to some changes for a bug-fix the middleware now automatically handles the sequence number instead of using the `last_modified_date`.

Change #SCR-96   Core middleware now supports OpenID as SSO mechanism
OpenID Connect 1.0 is a simple identity layer on top of the OAuth 2.0 protocol. It enables Clients to verify the identity of the End-User based on the authentication performed by an Authorization Server, as well as to obtain basic profile information about the End-User in an interoperable and REST-like manner. OpenID is now supported as a Single Sign-On mechanism for OX Appsuite. When this feature is turned on for a certain domain, the standard login mechanism is bypassed. The complete specification can be found here: `http://openid.net/specs/openid-connect-core-1_0.html`.

Change #SCR-64   Introduced new exception code `UserAliasStorageExceptionCode`
Added a new error message if creating of an alias for internal user fails due duplicate primary key error. The new code is called `DUPLICATE_ALIAS`. Its message is "The alias X already exists. Please note that the alias is case insensitive!"

Change #SCR-59   Changed audit logging for calendar
The audit logging for appointments has been adapted to the new calendar which now uses the newly introduced Event type instead of Appointments. Through the new handling of calendar events some information might not be available to the logger. Therefore those fields will be logged with the value `<unknown>`. The only affected event type should be `DELETED`. Nevertheless in case of an internal error empty fields can also happen on the other event types.

Change #SCR-45   Removed two insecure exception codes
Exception codes `SES-205` (`WRONG_CLIENT_IP`) and `SES-206` (`WRONG_SESSION_SECRET`) might be used to steal sessions. Therefore those exceptions were removed and replaced by `SES-203` (`SESSION_EXPIRED`).

Change #SCR-18   Removed deprecated function from frontend
Removed function `resetSelected` from selected folders due to its deprecation since version 7.8.2.

5.5   Changes of Packaging

Change #4193   New bundles added to `open-xchange-core` package
Added the bundles `com.openexchange.session.management` and `com.openexchange.session.management.json` to `open-xchange-core` package.

Change #SCR-172   Removed crawler based subscriptions
Removed outdated and error-prone crawler-based subscriptions through dropping bundle `com.openexchange.subscribe.crawler`.

Change #SCR-163   Renamed bundle `org.yaml` to `org.yaml.snakeyaml`
Due to a change in our build system it was necessary to rename the "snakeyaml" bundle. It is now named `org.yaml.snakeyaml`.

Change #SCR-162   Added new documentation bundles to core
Added the following the new bundles to package `open-xchange-core`: `documenation-tools` and `documenation-generic`.

Change #SCR-146   Introduced new bundle `com.openexchange.proxy.authenticator`
Added new bundle `com.openexchange.proxy.authenticator` to package `open-xchange-core`. For more information see: `https://documentation.open-xchange.com/7.10.0/middleware/components/http_proxy-support.html`.

Change #SCR-145   Added new bundle `com.google.json`
Added new bundle `com.google.json` to `open-xchange-core` package. Applied to JSON-like content from others, it will produce well-formed JSON that should satisfy any parser you use. Applied to your output before you send, it will coerce minor mistakes in encoding and make it easier to embed your JSON in HTML and XML.

Change #SCR-144   Package `open-xchange-meta-outlook` **is removed**
The meta package `open-xchange-meta-outlook` does not make sense any more as all its dependencies are removed with 7.10.0, especially `open-xchange-outlook-updater` and `open-xchange-outlook-updater-oxtender2`.

Change #SCR-140   Removed package `com.openexchange.documentation`
Removed deprecated package `com.openexchange.documentation`.

Change #SCR-121   Removed LinkedIn integration
The LinkedIn integration is discontinued with 7.10.0. As a result the `open-xchange-linkedin` package will be replaced by a transitional package when upgrading the installation.

Change #SCR-95   Introduced OpenID features
The new OpenID features require a new package called `open-xchange-oidc` which contains the following new bundles: `com.openexchange.oidc`, `com.openexchange.oidc.impl` and `com.nimbus`.

Change #SCR-92   Bouncy Castle Packages updated to latest release version
For latest security fixes and stability, BouncyCastle packages got updated to version 1.59

Change #SCR-62   Added support for transmitting push notifications using APNS HTTP/2
Added support for transmitting push notifications using APNS HTTP/2. The Target Platform has been extended by `alpn-api-1.1.3.v20160715.jar`. New bundles added to `open-xchange-core`: `com.clevertap.apns.apns_http2` and `com.squareup.okhttp3`. A new bundle has been added to `open-xchange-pns-impl`: `com.openexchange.pns.transport.apns_http2`.

Change #SCR-61   Added bundle for job-queue endpoint to `open-xchange-core` **package**
New bundle is: `com.openexchange.ajax.requesthandler.jobqueue.json`.

Change #SCR-51   Package `open-xchange-freebusy` **has been removed**
CalDAV functionality has been moved to `open-xchange-core` package and is no longer required as seperate package.

Change #SCR-48   Added Hazelcast invalidation packages and accompanying legacy bundles
Added Hazelcast invalidation packages and accompanying bundles for v7.8.3: `open-xchange-cluster-upgrade-from-783` and for v7.8.4: `open-xchange-cluster-upgrade-from-784`.

Change #SCR-38   Introduced new bundles for the password change history feature
Following bundle(s) got added to `open-xchange-core`:

- `com.openexchange.passwordchange.history`

- `com.openexchange.passwordchange.history.impl`

The following bundle got added to `open-xchange-admin`: `com.openexchange.admin.rest.password`

`change.history`

Change #SCR-12   Bundles for session management were added to `open-xchange-core`
The new bundles `com.openexchange.session.management`, `com.openexchange.session.management.impl`
and `com.openexchange.session.management.json` got added to the `open-xchange-core` package.

6   Changes relevant for Developers

6.1   Changes of external APIs

Change #4265   Added REST-API for password-change history
In order to gain access to users password-change history, we added a REST API endpoint that can
be queried.

Change #4226   Removed the WebDAV XML API
The support for the OXtender 1 for Microsoft Outlook and OXtender for SyncML was dropped back
in 2012. It was time to remove the related WebDAV XML API that was used by the OXtenders. Re-
lated servlet bind-points were removed for the public API.

Change #4222   Extended new servlet for session management
Added new action to session management called `removeAllOtherSessions` to terminate all user
session except the one transmitted and blacklisted ones.

Change #4192   New servlet for session management
Added new servlet for session management with servlet path `/ajax/sessionmanagement` and ac-
tions `getSessions` to get a list of all active user sessions and `removeSession` to terminate a certain
user session remotely.

Change #SCR-153   New HTTP API for calendar
A new calendar and scheduling stack is introduced. Therefore, the HTTP API was extended accord-
ingly. Further details are available at [https://documentation.open-xchange.com/7.10.0/middleware/](https://documentation.open-xchange.com/7.10.0/middleware/components/calendar/apis.html)
[components/calendar/apis.html](https://documentation.open-xchange.com/7.10.0/middleware/components/calendar/apis.html).

Change #SCR-131   Added restore action to infostore/files and folders servlet
Introduced new functionality to restore files and/or folders

Change #SCR-112   Added includeSubfolders field to updateLink request
With 7.10 share links are now able to include sub-folders. To support this the `updateLink` request
has been extended with the boolean field `includeSubfolders`. Also the `getLink` response has been
extended with this field as well. The default will be set to `true`, so in case a user wants to exclude
sub-folders the client has to update the link after the creation, similar to setting a password.

Change #SCR-111   Extended the `extendedPermissions` **folder field**
With 7.10.0 folders can contain so called inherited permissions. Those permissions are handed
down from a `getLink` permission to its sub-folders. They are only listed in the `com.openexchange.share.`
`extendedPermissions` field of the folder object and are marked with the new field `isInherited` set
to `true`. It also contains the field `isInheritedFrom` which contains the id of the folder which handed
the permission down.

Change #SCR-110   Extend delete action of the folder module
The delete action of the folders module was extended with the parameter `extendedResponse`. If
this parameter is set to `true`, a different response will be returned. The response contains an array
of JSON objects, which can contain the following fields:

- `new_path` - The new path of the folder in case of a trash operation.

- `path` - The old path.

- `hasFailed` - A boolean flag indicating that the delete operation has failed.

- `isTrashed` - A boolean flag indicating that the folder has been trashed.

- `isSupported` - A boolean flag indicating that the folder storage supports trashing.

Change #SCR-93   Two new Servlets serve initiating the OpenID login and logout procedure
The OpenID features main entry point is the `InitService`. This servlet supports login, logout and third party login flow types as a `GET` request and only third party flow type as a `POST` request. There is also a `LogoutService`, which accepts `GET` request and either triggers a logout from OX App Suite or a resume, determined by the existence of a `type=resume` parameter and value.

Change #SCR-76   Accept new `forceImages` parameter for `document` action
In case `view=document` is specified for for `mail?action=get` action the new URL parameter `forceImages` is accepted to control whether HTML images are allowed in mail's HTML content.

Change #SCR-60   Introduced API endpoint for long running tasks
The endpoint available at `/ajax/jobs` gives the possibility to let a client submit a certain opertaion to a job queue. This Queue can be frequently polled to check the operations status. For more information on this endpoint see: https://documentation.open-xchange.com/components/middleware/http/7.10.0/index.html?version=7.10.0#!/Jobqueue.

Change #SCR-43   Removed "freebusy" module
Removed all actions in the "freebusy" module. The functionality to lookup free/busy times is still in place and accessible via the `freebusy` actions in the `calendar` and `chronos` modules.

Change #SCR-40   Refactored mailfilter `config` response
In order to support client side disabling of mailfilter elements (aka. blacklisting) the response of the `/mailfilter/v2?action=config` action needed to be refactored. The following changes have been made:

- The field `capabilities` has been removed.

- Instead the envelope and address test objects have been extended with additional fields: `headers`, the available headers for this test and `parts`, the available address parts for this test.

- A new field `options` was introduced, which contains additional options for the client

- Some field names have been changed (e.g. `id` instead of `test` and `action`). Additionally, the mail filter v2 API now supports the `false` test

Change #SCR-39   Introduced new REST API Endpoint for password change history feature
Alongside the new "Password Change History" feature a new REST API was created. The API is accessible via BasicAuth. For more information on the API see: https://documentation.open-xchange.com/components/middleware/rest/7.10.0/index.html#operation/passwd-changes. For more information on how to configure see: https://documentation.open-xchange.com/components/middleware/config/7.10.0/index.html#mode=tags&tag=Password%20Change%20History.

Change #SCR-35   Removed two insecure exception codes
The session exception codes `WRONG_CLIENT_IP` (SES-205) and `WRONG_SESSION_SECRET` (SES-206) are removed for security reasons.

Change #SCR-29   Added REST-API for password-change history
Access password-change informations via REST-API.

Change #SCR-28   Added the functionality to export a single object via the export API
To support the export of single objects, new parameters were introduced to the Export API:

- `com.openexchange.importexport.exporters.CSVContactExporter`

- `com.openexchange.importexport.exporters.ICalExporter`

- `com.openexchange.importexport.exporters.VCardExporter`

Change #SCR-16   WebDAV XML API has been removed
The WebDAV XML API was used by OXtender 1 for Microsoft Outlook and OXtender for SyncML. Those are not supported anymore. Hence they have been removed. In addition to that the `webdavxml` attribute has been marked as deprecated at the `ModuleAccessDefinitions.properties` file and at the SOAP and RMI APIs.

Change #SCR-15   Extended new servlet for session management
Added new action to session management called `clear` to terminate all user session expect the one transmitted and blacklisted ones.

Change #SCR-11   Introduced API endpoint for session management feature
The endpoint is available at `/ajax/sessionmanagement` allows to see and terminate sessions as a user self-service. Please see https://documentation.open-xchange.com/components/middleware/http/7.10.0/index.html#sessionmanagement for detailed information.

Change #SCR-19   User-feedback Export API has been extended by `delimiter` parameter
The `delimiter` parameter specifies the CSV delimiter for the exported user-feedback file. Please see https://documentation.open-xchange.com/components/middleware/rest/7.10.0/index.html?version=7.10.0#operation/exportCSVfor detailed information.

6.2   Changes of internal APIs

Change #4195   Interface changes for session management feature
We changed the method signatures of `com.openexchange.session.Session`, `com.openexchange.tokenlogin.TokenLoginService` and `com.openexchange.sessionstorage.hazelcast.serialization.PortableSession`.

Change #SCR-73   Removed `cluster-weight` attribute from RMI interfaces
Removed `cluster-weight` attribute from `com.openexchange.admin.rmi.dataobjects.Database` class, thus no more available for input and output data. Cluster-weight is now assumed to be always `100` for registered master, read-write databases.

Change #SCR-154   New services for calendar
A new calendar and scheduling stack is introduced. Therefore, new internal SPIs were introduced, while others were discontinued. Further details are available at https://documentation.open-xchange.com/7.10.0/middleware/components/calendar/apis.html.

Change #SCR-142   Removed support for appointments in `ICalParser` and `ICalEmitter` services
Along with the new calendar implementation, the previous routines to parse and write appointments from and to iCalendar are removed. This affects all methods in `com.openexchange.data.conversion.ical.ICalParser` and `com.openexchange.data.conversion.ical.ICalEmitter` that have an `com.openexchange.groupware.container.Appointment` class in their arguments or return value. As alternative, the newly introduced `com.openexchange.chronos.ical.ICalService` should be used to read and write an `com.openexchange.chronos.Event`.

Change #SCR-113   Extensions to permission interface
With 7.10 permissions of folders can be differentiated into three types:

- Normal

- Legator

- Inherited

 Whereby permissions of type "legator" are always handed down to sub-folders and permissions of type "inherited" are permissions handed down by legator permissions. Permissions of type inherited live only as long as their legator counterpart. To support this the `com.openexchange.folder storage.Permission` interface and the `com.openexchange.file.storage.FileStoragePermission` interface have been extended with four new methods:

- `FolderPermissionType getType()`

- `void setType(FolderPermissionType type)`

- `String getPermissionLegator()`

- `void setPermissionLegator(String legator)`

Change #SCR-54   SPI changes for SIEVE mail filter to support both `imapflags` **and** `imap4flags`
The return-type for `getRequired()` method has been changed from `String` to `List<String>` `getRequired()` in class `com.openexchange.jsieve.commands.test.ICommand`. This was required to support both capabilities (`imapflags`, `imap4flags`).

Change #SCR-52   SPI changes for `FolderHandlerModuleExtension`
The interface `com.openexchange.share.groupware.spi.FolderHandlerModuleExtension` now extends `com.openexchange.share.groupware.spi.ModuleExtension` and requires the inherited methods to be implemented:

- `Collection<String> getModules()`

- `boolean isApplicableFor(int contextId, String folder)`

- `TargetProxy resolveTarget(ShareTarget folderTarget, int contextId)`

Change #SCR-14   Interface changes for session management feature
Changes have been made in

- `com.openexchange.session.Session`

- `com.openexchange.tokenlogin.TokenLoginService`

- `com.openexchange.sessionstorage.hazelcast.serialization.PortableSession`

Change #SCR-81   Upgraded `Jsoup` **library**
Upgraded `Jsoup` library from v1.10.3 to v1.11.3.

Change #SCR-44   Upgraded libraries for Grizzly web container and servlet API
Upgraded the following library versions to also leverage from Java 8 upgrade. Grizzly Web Container (from 2.3.29 to 2.4.2) and Servlet API (from 3.1.0 to 4.0.0).

6.3   Changes of provisioning APIs

Change #SCR-191   Page-wise retrieval for `OXContextService` **SOAP endpoint**
Added new calls to the `/webservices/OXContextService` SOAP interface, which extend the existing `list`, `listAll`, `listByDatabase` and `listByFilestore` calls by `offset` and `length` parameters to offer page-wise retrieval for a context listing.

- `listPage` is the extension for the `list` call, accepting `offset` and `length` parameters, which specify the chunk or page for the context listing

- `listPageAll` is the extension for the `listAll` call, accepting `offset` and `length` parameters, which specify the chunk or page for the context listing

- `listPageByDatabase` is the extension for the `listByDatabase` call, accepting `offset` and `length` parameters, which specify the chunk or page for the context listing

- `listPageByFilestore` is the extension for the `listByFilestore` call, accepting `offset` and `length` parameters, which specify the chunk or page for the context listing.

Change #SCR-74   Removed `cluster-weight` **attribute from SOAP interfaces**
Removed `cluster-weight` attribute from database SOAP elements, thus no more available for input and output data. Cluster-weight is now assumed to be always `100` for registered master, read-write databases.

6.4   Changes relevant for customizations

Change #SCR-167   Removed implicit way to add "apps" using `manifest.json` **file**
This is only to inform other developers of a change, how apps are defined in a Core UI environment. It has no impact on administrators or users of AppSuite.

Change #SCR-166   Removed `hideAddressBook` **feature toggle**
Due to changes to the app loading behaviour and apps in general the setting `io.ox/core//feature/hideAddressBook` is removed and is no longer used for hiding the address book. Instead of this feature toggle you now have to add the name of the app you want to hide to this setting: `io.ox/core//apps/blacklist`. In case of the address book just add `io.ox/contacts` to it.

Change #SCR-190   Removed Quick-Reply from mail module
The new window management in App Suite UI 7.10.0 offers smaller floating windows for mail compose which finally makes the old plain-text only quick reply obsolete. Therefore the "Quick Reply" function was removed in favor of one, small and floating mail compose window.

Change #SCR-165   Removed `@defaultBorderColor` **less variable**
Removed `@defaultBorderColor` variable from `definitions.less` as it is not needed anymore in Core UI.

Change #SCR-164   Removed OpenSans font face
OpenSans font face is no longer used at App Suite UI. The font was removed, also the font family "OpenSans" was removed from the less files.

Change #SCR-148   Removed unused `InplaceDropzone` **view**
Removed view `io.ox/core/extPatterns/dnd` as it was unused and only provided basic functionality. It is possible to use `Inplace` of `io.ox/core/dropzone` as as substitute

Change #SCR-138   Changes to calendar colors and view options
Due to the new calendar views and colors the view options "classic" and "dark" are no longer required and are now removed. The "shown as"-flag with options "free", "tentative" and "absent" have been removed and is replaced by a "transparency" flag with options "opaque" and "transparent".

Change #SCR-122   Removed LinkedIn integration
As the middleware has dropped the LinkedIn support with the release of 7.10.0 this integration is also removed from the App Suite frontend.

Change #SCR-31   Introduced feature toggle for PIM attachments for AppSuite UI
Introduces a UI setting that allows to en-/disable the attachment sections. The setting is optional

and falls back to the existence of the `filestore` capability. In that way we break nothing but affected customers can re-activate the attachment sections without enabling the capability. Setting: `features/PIMAttachments` at `io.ox/core`.

Change #SCR-17   Deprecated `io.ox/core/date` library has been removed
`io.ox/core/date` was a custom JavaScript library for date and time handling, which has been removed. `moment.js` is now used instead.

Change #SCR-7   Introduced `io.ox/calendar//freeBusyStrict` setting to hide the creator of appointments
The new setting controls if a user is able to see the creator of appointments he is not part of.

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

59158, 59098, 58952, 58910, 58900, 58895, 58891, 58814, 58767, 58733, 58632, 58628, 58599, 58549, 58520, 58509, 58507, 58478, 58460, 58433, 58419, 58377, 58333, 58326, 58297, 58286, 58207, 58204, 58201, 58193, 58187, 58186, 58170, 58158, 58134, 58119, 58089, 58079, 58052, 58019, 57997, 57913, 57909, 57870, 57841, 57831, 57830, 57825, 57743, 57636, 57627, 57529, 57495, 57458, 57337, 57288, 57276, 57265, 57263, 57205, 57203, 57168, 57142, 57133, 57067, 57066, 57060, 57023, 56999, 56990, 56956, 56948, 56935, 56924, 56912, 56875, 56869, 56854, 56849, 56830, 56774, 56720, 56704, 56699, 56698, 56696, 56693, 56638, 56602, 56589, 56563, 56539, 56538, 56536, 56499, 56496, 56486, 56478, 56475, 56455, 56448, 56446, 56435, 56419, 56415, 56414, 56400, 56342, 56330, 56291, 56285, 56193, 56149, 56140, 56136, 56107, 56089, 56075, 56073, 56071, 56069, 56065, 56042, 56038, 56034, 56023, 56022, 56021, 56010, 56001, 55974, 55972, 55964, 55958, 55948, 55928, 55894, 55881, 55872, 55865, 55862, 55835, 55831, 55788, 55785, 55776, 55774, 55748, 55692, 55690, 55679, 55676, 55631, 55626, 55606, 55587, 55574, 55561, 55551, 55532, 55511, 55487, 55458, 55455, 55453, 55433, 55425, 55413, 55409, 55406, 55389, 55387, 55363, 55362, 55360, 55345, 55301, 55298, 55288, 55285, 55284, 55273, 55271, 55265, 55254, 55240, 55229, 55200, 55199, 55175, 55171, 55166, 55162, 55155, 55148, 55102, 55100, 55096, 55085, 55084, 55075, 55057, 55044, 55042, 54984, 54957, 54956, 54944, 54894, 54884, 54879, 54877, 54802, 54797, 54793, 54792, 54790, 54774, 54772, 54750, 54736, 54702, 54701, 54681, 54675, 54673, 54593, 54580, 54563, 54532, 54529, 54468, 54454, 54453, 54446, 54437, 54377, 54376, 54349, 54348, 54311, 54262, 54252, 54232, 54181, 54136, 54069, 54067, 54042, 53986, 53964, 53962, 53959, 53947, 53921, 53916, 53905, 53900, 53841, 53838, 53795, 53790, 53785, 53694, 53690, 53689, 53688, 53671, 53649, 53485, 53457, 53454, 53452, 53437, 53368, 53340, 53260, 53233, 53169, 53157, 53100, 52798, 52764, 52756, 52719, 52637, 52470, 52107, 51967, 51594, 51575, 51462, 51093, 51091, 58880, 58874, 58742, 58282, 58256, 58226, 58161, 58096, 58055, 58051, 58029, 58023, 57956, 57692, 57095, 57016, 56747, 56744, 56740, 56718, 56717, 56706, 56619, 56582, 56580, 56558, 56477, 56457, 56407, 56406, 56359, 56352, 56334, 56333, 56157, 56091, 56063, 56056, 56055, 55882, 55830, 55703, 55651, 55603, 55602, 55601, 55600, 55167, 55090, 55068, 54937, 54915, 54838, 54592, 54579, 54403, 54402, 54321, 54320,