



Release Notes OX App Suite v7.4.1
(2013-11-21)

1. Packages shipped with this Release

- Open-Xchange App Suite
 - Version 7.4.1-Rev 5 (built 2013-11-20)
- Open-Xchange 6 GUI
 - Version 6.22.5-Rev 5 (built 2013-11-20)
- OXtender 2 for Microsoft Outlook
 - Version 7.2.3
- Open-Xchange Notifier
 - Version 1.0.5
- Open-Xchange Client Updater
 - Version 6.18.23

2. Additional Information

All changes and bug-fixes listed in this release notes have been done subsequent to 7.4.0-Rev 16/20 (App Suite Frontend/Backend) and 6.22.4-Rev 12 (OX6).

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

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

Open-Xchange would like to inform you that session migration is not possible between OX App Suite v7.4.0 and v7.4.1. The open-xchange-secret cookie gets salted starting with OX App Suite v7.4.1. Therefore, user sessions will get lost when updating and restarting nodes that contain the session. Please be aware that in a Hazelcast cluster all sessions will remain as long as at least on node of the old cluster is still running. This means that after the update you may experience an increase in the number of sessions, as the old ones expire after one week (default value). If you want to avoid this increase you need to either stop all machines in the cluster at once, or you need to remove all the session with the closesessions command.

Open-Xchange would like to provide you with early notification of an upcoming name change for one of our modules, OX Files. As part of our product strategy we are currently developing clients for different desktop and mobile devices to provide improved file handling and synchronization. During development it became clear that a change of name would better reflect customer expectations of the features and functionality provided by OX Drive and provide greatest consistency and clarity for users across devices. The name change from OX Files to OX Drive is planned for January 2014.

Open-Xchange will discontinue Connector for Business Mobility support for Windows Mobile 6, 6.5, Symbian (Mail for Exchange 3.x), Apple iPhone iOS 5 and Blackberry with the major release of OX App Suite v7.6.0, planned for April 2014. Further information about the supported platforms are available at

http://oxpedia.org/wiki/index.php?title=AppSuite:OX_System_Requirements#Mobility_Solution_-_Supported-Platforms.2C_Features_and_Devices.

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

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

Open-Xchange will discontinue OX App Suite support for Mac OS X 10.6 (Snow Leopard) and Mac OS X 10.7 (Lion) with the major release of OX App Suite v7.6.0, planned for April 2014.

3. Bugs Fixed with this Release

Open-Xchange App Suite

Back-End:

- 20582 Changing e-mailaddress of a user is case sensitive
Perform an ignore-case equality check for E-Mail addresses.
- 27811 OX Notifier points to OX6 for AppSuite
Added warning if property is missing in configuration on login servlet initialization.
- 28479 subscribed shared folders did not get synchronized
Remotely distribute events for "com/openexchange/push" topic if they do not contain a CommonEvent instance.
- 28907 emoji in Shift_JIS decoded emails is replaced with "?" in quotation when doing reply/forward
Fixed in the meantime.
- 28942 Cannot import calendar invite in App Suite
iCal file contains UTC-only properties that, however, specify a time zone. Strip time zone from such properties and insert UTC time stamp instead.
- 28973 Request/TaskWatcher: sometimes wrong or not initialized Thread Processing time: "1377593564864msec"
Pre-initialize request's time stamp with system's current time millis, not zero.
- 29081 UWA Modules are not working
Caused by blocking mixed-content, even in iframes. See <https://blog.mozilla.org/tanvi/2013/04/10/mixed-content-blocking-enabled-in-firefox-23/>.
- 29094 Automatically collect contacts in the folder "Collected addresses" while reading
The contact collector was only triggered if either the parameter src or hdr was enabled in the get mail action (both parameters are optional) and only if the specified mail was flagged as unread. The contact collector triggers irregardless of whether the parameters src and/or hdr are set and only if the mail is flagged as unread.
- 29100 Infostore is not visible for user
Deal with possible 'FLD-0003' error when collecting file storage root folders.
- 29110 paths.perfMap implementation messes up default UI configuration
Proper default settings were not applied to user's mail options on user creation.
- 29118 user can not be deleted from CLI: Error unmarshaling return; nested exception is: java.lang.ClassNotFoundException: com.openexchange.exception.OXException
Improved exception handling to not cause a 'ClassNotFoundException' on RMI invocation.
- 29120 Illegal config-tree path: modules/caldav/active
Config-tree to slob mappings for CalDAV were statically configured in 'paths.perfMap' file, but associated bundle is not necessarily installed/active. Introduced whiteboard pattern for config-tree to slob mappings. Now CalDAV-related mappings are dynamically added when associated bundle starts.

- 29137 Not able to save language and other settings once global address book is disabled
Ignoring update to unmappable path.
- 29160 NPE while user provisioning triggered by POA
The String from "IMAP-Server" property has not been properly checked for valid content; meaning passed String is not null and its length is greater than zero.
- 29189 Java DNS resolution issue on non-DNS system
InetAddress class was used as a key which leads to a inefficient and unnecessary reverse-lookup of associated inet address. Prefer a String as server identifier which is light-weight and does not cause any reverse-lookups.
- 29200 Dry-run mode of contextrestore isn't as dry as expected
The dry-run exit was located before the restore process but after the initial context delete command.
- 29205 Previewing for attach text file does not work
Use 'universalchardet' charset detection library.
- 29229 composing a HTML Mail will produce invalid CSS inside of the mail
Values of HTML attributes were excessively HTML-escaped when yielding W3C-compliant HTML content. Only HTML-escape harmful/disruptive characters.
- 29232 many "ERROR .. mail.mime.dataobjects.MimeMailPart.applyPart ... null" messages a day in the logs (>= 2000 ERRORS/day)
Caused by trying to read headers from a message that seems to be expunged/deleted in the meantime from associated mail server. Orderly handle resulting 'javax.mail.MessageRemovedException' and propagate to caller to react with an appropriate error.
- 29262 Warning about missing jolokia-access.xml even if jolokia is disabled
Check "com.openexchange.jolokia.start" property prior to accessing any Jolokia-related resources.
- 29263 Error message about "com.openexchange.cookie.forceHTTPS" during startup
Fixed typo in property name constant inside backend code: Changed from "com.openexchange.cookie.forceHTTPS" to "com.openexchange.forceHTTPS".
- 29266 distributionlist entries not exported in contacts csv export
Exporting distribution lists has been disabled for another bugfix. The changes have been reverted, an API parameter "export_dlists" has been introduced to disable it.
- 29268 appointment reminder "start date" will be removed from iOS device after upsync to OX
Fixed a bad parsing for the list request.
- 29270 Special character is displaying in body of the mail if you set the forward mail as attachment option
First byte of a mail part's input stream is read to check connectivity and then pushed back to that stream without checking if read byte is -1 signaling EOF.
- 29283 Expected parameter value, got "null" messages in log file
Lenient parsing of of a Content-Type's parameter list. In this case the parameter "charset" is simply ignored since it does not have a value specified.

- 29293 documentation for `com.openexchange.session.Session.setParameter(String, Object)` misleading
Adapted associated JavaDoc comment to current behavior on session remote distribution.
- 29322 Translations should not use the term 'Open-Xchange'
Changed wording of error messages to not contain "Open-Xchange" due to branding/theming reasons.
- 29339 resource can be overbook by using multi day appointments
This was caused by a wrong conflict calculation for special cases (multi day vs. fulltime).
- 29350 global addressbook displayed (greyed out) for pim users
Read access for global address book was not checked with respect to user configuration.
- 29469 Unified mail & verzamelde mail
Made name of the Unified Mail's root folder translatable through adding to class 'com.openexchange.groupware.i18n.MailStrings'.
- 29475 the mail folder inbox should be translated
Changed translation.
- 29495 mailaccount validate does not respect request data
The associated error messages were swapped accidentally. Fixed error message ordering.
- 29516 External password change with active sessions leads to old mail password in all new sessions
The user's mail server password has been cached in user-associated IMAP store cache to establish new connections on demand. Dropped that caching information and pass login/password freshly obtained from associated session.
- 29519 WebDAV: Renaming and moving folders not possible
No public folder check for InfoStore folders.
- 29554 since OS X Mavericks Tasks do not get synchronized anymore
After an update, the Mac OS "Reminders" application obviously required a non-standard property in the parent collection in order to display task collections in it's side-pane. Introduced 'supported-calendar-component-sets' property for CalDAV collections.
- 29598 operations fail when maxFolders-1 is reached
Probing for capability whether it is possible to create folders on root level fails due to a "maxFolders" limitation, making affected routine to signal "false" instead of "true". This in turn makes the OX backend attempting to create standard folders (trash, drafts, ...) below INBOX, but not beside INBOX, which seem to fail -- leaving account in an inconsistent state (no standard folders available). Assume that subfolder creation basically works if returned NO response from IMAP server signals some kind of exceeded quota error.

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- 29609 improve DAV throughput
Due to it's HTTP authorization nature, WebDAV accesses lead to a new session being generated for each request that is handled by the server. Use cached sessions for consecutive WebDAV requests of the same client.
 - 29643 RSVP reply cannot update appointment
Fixed in the meantime.
 - 29644 appointment creator gets status buttons for RSVP replies
Fixed in the meantime.
 - 29728 Blackberry Z10 cause NullPointerException in CaldavPerformer
Be prepared for initially synchronized recurring appointments with delete exceptions.
 - 29838 /opt/open-xchange/etc/tokenlogin-secrets is not marked as configfile
Added file to debian/conffiles and changed permissions to 640,root,open-xchange as with other files containing sensitive information.

Front-End:

- 27751 Text enhancement for "No Spam" to "Not Spam"
Changed string and translation.
- 28861 Task attachment is not displayed on the UI after creation
fix wrong usage of ecid function.
- 28964 Trash folder won't get refreshed accordingly after selecting the empty folder option
After deleting a folder, it will automatically appear in the trash folder. When the empty folder operation was successful, the trash folder is updated and the subfolders disappear.
- 28994 PopUp for "Empty Folder": only 51 characters from the 60 allowed get displayed
The folder name is now shortened and has dots in the middle.
- 28995 Mails of deleted subfolder again display
When a folder is created in the same directory and with the same name as another folder which has just been moved or deleted, the new folder is empty now.
- 28998 Can not close error pop-up with multiple errors on addressbook
Transitionend Eventhandler was misspelled.
- 29041 Sorting of an email folder is reset after leaving and re-entering the folder
After folder change cached properties for sort/order are preferred towards default sort/order.
- 29174 Consistency issue: Log in / Sign in, Logout / Sign out
Now using "sign(ed) in/out".
- 29218 Series Appointment Subject also shows the changed subject of a series exception
Fixed layout.
- 29260 New Mails in notification area appear multiple times
Fixed in the meantime.
- 29271 Contact view panel' shows data of the contact selected in other folder even though it is empty.
Fixed selection handling.
- 29281 a new copy of draft mail is created with every click on save button
Add busy/idle methods to button.
- 29284 Display of task priority uses unicode character instead of font awesome icon
Using exclamation marks like in mail detail view (font awesome icon).
- 29341 logout message for unsaved data is not translated
Translation updated.
- 29342 a tour can get stuck in case the browser window is too small
Patched lib source; doesn't seem to get frequent updates. Just keeping the popover inside viewport.
- 29371 message after autologout not translated and too sparse
Now it's (again) "You have been automatically signed out". Translation is missing, currently only English.

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- 29374 NL translation for 7.4.0
Changed/Fixed translations.
 - 29389 UI autologout ignores running uploads
Disabled auto logout during uploads.
 - 29425 "Coming from OX6" text not appropriate
Changed text to "Getting started"/"Guided tour for this app".
 - 29473 wav files cannot be played in IE
Updated oxpedia article (removed wav).
 - 29491 MP3 preview does not work / play
Removed mp3 support for attachments in Chrome.
 - 29528 Password not highlighted when manually entering an external account
Add required field check to the password field.
 - 29537 autologout timer gets negative
Fixed in the meantime.
 - 29540 mail detail stay visible when switching to an empty folder
Fixed in the meantime.
 - 29557 onclick focus when writing mail broken for certain browsers
Don't refocus "to" field (or CC or BCC) on blur event.
 - 29597 Contacts - Different field names shown in View contact and Edit Contact screens
(Extended view)
Both views use the same labels now.
 - 29845 data leaked via indexedDB between different users
Requests might be delivered from cache if 2 users with different contexts share the same browser. In this case, id and folder_id parameters don't lead to unique requests any longer. Therefor a user context needs to be added to the URL. The generated URLs are now unique to one specific user in one specific context. This problem has nothing to do with indexeddb.

Open-Xchange 6 GUI

- 20574 Scrolling horizontally in team view messes up time bar
Fixed scroll calculation.
- 20765 blacklist / whitelist frame will not be resized according to browser window size
Unneeded fixed height definition.
- 26694 Wizard: Subscribing to t-online mail and contacts at the same time is not working
Changed wording.
- 26704 Using keyboard very fast to delete mails cause errors
Fixed race condition.
- 28580 Adding new social accounts via 'Configuration --> My Social Configuration --> Accounts' does not the same job as the wizzard
Adopted behavior.
- 28823 Add reason of session expired exception in web UI
Check error code and display the correct message.
- 28984 WebGUI passwordchange: Usability issue by exceeding the maximal password length
Don't limit the password field.
- 29034 WebGUI passwordchange: Clicking twice on 'save' cause cryptic UI exceptions
Disable save button after clicking it.
- 29114 Resource Team View wrong when "Hide non-working time" is checked
Fixed size calculation.
- 29170 mail composed and sent in 'Plain text' format, is getting mangled on the receiver's side when punctuations are inside of the message body
Don't escape the HTML anymore.
- 29220 UWA Backend error when changing settings
Added id mapping to not send a wrong id to the server.
- 29295 incomplete translation of the change password dialogue
Fixed/updated translation.
- 29299 Arrow symbols for dropdown in top bar are not shown correctly
Changed used icon.
- 29309 Invalid error message when setting IE privacy to High
Fixed cookie enabled check for IE.
- 29667 Hover-Popup in Calendars Team View does not disappear
A hover opened in the team-view didn't close anymore when module infostore and the upsell mode (ui/global/disableUpsell/infostore = true) for infostore has been disabled. In that case the tab attachment wasn't available in the dom so calling functions like show and hide failed with an JS error.

OXtender for Business Mobility and USM

- 26837 Outlook Not Syncing new mail - "Unable to calculate given position. Seems to be a delete exception or outside range"
USM tried to create/modify a change exception of a series for which the server already created a delete_exception.
- 28812 change contact ends up with "The item could not be saved because it has been modified by another user or in another window"
USM did not check if contact image was already cleared when it received "image":null from the client. Changing a contact image is a complex action so that modification triggered a sync back of the "null" value.
- 29178 EAS Session gets lost after about 1 week for about 5 minutes
OX sends new error code that should trigger a re-login by USM. Added new error code to list of re-login error codes, made list of re-login error codes configurable.
- 29279 displayname not updated on EAS device right after it was changed in OX
EAS was saving the display name as first read on session creation until session's lifetime.
- 29298 "Der angeforderte Header wurde nicht gefunden.\r\n" in SST_OUTGOING
Fixed in the meantime.
- 29387 Android 4.1.2 devices are showing a lot of duplicated appointment entries
Added workaround to avoid duplicates.
- 29581 Content of private default calendar isn't displayed
Filters employed by protocols could cause an incomplete sync (if all new objects for 1 sync were filtered out, this lead to the faulty assumption that the sync was complete).

OX Documents and Readerengine

- 28797 Japanese document preview are wrong
Added additional fonts to package open-xchange-documents-fonts.
- 29181 Preview-Image-Service does not close Input Streams
Ensured closing of passed InputStream resource.
- 29505 readerengine fails to convert PPSM document
Disabled the presentation auto start.

4. Changes applied

4.1. Changes relevant for Administrators

4.1.1. Changes of Configuration Files

Change 1638 - update.xml for OXUpdater has been extended

The OXUpdater will be enabled to create a hyperlink to OX App Suite on the users desktop. Therefore we provide the necessary information via update.xml.

A new property has been added to updater.properties:

```
# Possibly branded product name of OX App Suite.  
# Will be used as the name for a hyperlink created by OXUpdater on a users desktop.  
com.openexchange.outlook.updater.appsuiteName=OX App Suite
```

Additionally we provide an icon for the hyperlink as a Base64 encoded string within update.xml. The default is a generic OX icon, named 'oxupdater_appsuite.ico' and located in '/opt/open-xchange/files'. A customer may decide to provide its own icon. He can do so by placing a file of type 'image/x-icon' named 'oxupdater_custom.ico' in '/opt/open-xchange/files'. A custom icon will be preferred over the one that OX delivers.

Change 1640 - New property in audit.properties

A new property has been added to audit.properties:

```
#Set to true to enable logging of file accesses and downloads  
com.openexchange.audit.logging.FileAccessLogging.enabled=false
```

Change 1643 - Disable random token generation for login process

A new property was added to the existing login.properties file:

```
# The Random-Token is a one time token with a limited lifetime, which is used to initiate sessions through  
3rd party applications or  
# websites. It is a UUID, generated by the backend via default Java UUID implementation. This token is  
deprecated and disabled by default.  
# Setting this to false will prevent a random token from being written as part of the login response and  
prevent logins via a random  
# token.  
com.openexchange.ajax.login.randomToken=false
```

The consequences:

- The login response does no longer contain a random token
(http://oxpedia.org/wiki/index.php?title>Login_variations#Random) by default

- The login?action=redirect (http://oxpedia.org/wiki/index.php?title=HTTP_API#Redirect) and login?action=redeem fail with a HTTP 400 Status when you try to login with a random token.

The alternative login methods can be seen at
http://oxpedia.org/wiki/index.php?title=HTTP_API#Module_.22login.22

Change 1645 - New Configuration Parameter: "com.openexchange.cookie.hash.salt"

For security reasons cookie hashes need to be salted.

Added a cookie hash salt to avoid a potential brute force attack to cookie hashes. The salt has a default value. This salt need to be replaced by the admin.

Configuration file:
server.properties

Configuration Parameter:
Cookie hash salt to avoid a potential brute force attack to cookie hashes.
This value should be replaced by any random String with at least 16 Characters.
com.openexchange.cookie.hash.salt=replaceMe1234567890

Change 1646 - Performance improvement of ReplicationMonitor

We're going to track now if writable database connections have indeed been used to manipulate data. If not, we avoid increasing the replication monitor.

To make it possible to trace the usage of writable connections that only select data but do not manipulate it, it is possible to enable further logging. Therefore a new configuration property has been added to configdb.properties:

If com.openexchange.database.checkWriteCons is set to true, a warning will be logged every time when a writable connection is used to
perform only SELECT queries. Default is 'false' to avoid flooding of log files.
com.openexchange.database.checkWriteCons=false

Change 1648 - Added property to specify AJAX-accessible module that are supposed to be excluded from rate limiting

Added property "com.openexchange.servlet.maxRateLenientModules" to file 'server.properties' to specify AJAX-accessible module that are supposed to be excluded from rate limiting.

Default value is: "rt, system"

Change 1660 - Removed USM configuration properties because non-default values provide no benefit

The following server properties have been removed from usm.properties since non-default values provide no benefits:

com.openexchange.usm.session.sync.keep_last_sent_state_in_db
com.openexchange.usm.force_new_sync_key_on_empty_sync

USM will now always behave as if the default settings for those properties were set.

The following server property has been removed from `usm_json.properties` since the client can not handle a non-default setting:

`com.openexchange.usm.json.sync.fatal_uuid_errors`

USM will now always behave as if the default setting for this property was set.

Change 1667 - Introduced a configurable CSS parsing timeout

Introduced a configurable CSS parsing timeout to file `'server.properties'`:

Specify the amount of seconds to wait for a CSS content being parsed

This property influences parsing of HTML messages. If CSS could not be parsed in time, CSS is stripped from message's content.

Default value is 4

`com.openexchange.html.css.parse.timeout=4`

Change 1668 - Added property "com.openexchange.imap.storeContainerType" to imap.properties

Added property `"com.openexchange.imap.storeContainerType"` to `imap.properties`:

An IMAP connection cache acts a temporary keep-alive cache for already connected resources to an IMAP server's account. Meaning it keeps a resource open/connected for a short amount of time (see `"com.openexchange.mail.mailAccessCacheIdleSeconds"`) and performs a "close elapsed ones" run periodically (see `"com.openexchange.mail.mailAccessCacheShrinkerSeconds"`).

In addition to that behavior there are two modes of operation - bounded and unbounded.

For an unbounded cache, set this property to `"unbounded"`.

Thus a user is allowed to establish as many connections to his IMAP account as demanded by his active clients (Web UI, EAS, Outlook OXtender, etc.).

A bounded cache allows only as many concurrently opened resources as specified through `"com.openexchange.imap.maxNumConnections"` property. Taking the wording "resource" was chosen by intention, since two types of resource abstractions exist:

IMAP store and IMAP protocol (an authenticated login's socket connection).

The default setting `"boundary-aware"` considers an "IMAP store" as limited resources to an IMAP server. The vague thing about IMAP store is that it maintains a connection pool internally by itself.

Thus it is possible that there are actually more active socket connections open than specified,

because an IMAP store is allowed to open further connections when needed;

e.g. when accessing another IMAP folder while INBOX has been opened, too.

Practical experience showed that there will be at max.: `"com.openexchange.imap.maxNumConnections" + 1`

The setting `"non-caching"` does an exact mapping of resource to an established/authenticated socket connection to the IMAP account. It is named `"non-caching"` as it does no caching on its own, but delegates it to a custom queuing `'com.sun.mail.imap.IMAPStore'` class. Thus an exact limitation of connected socket connections (`'com.sun.mail.imap.protocol.IMAPProtocol'` instances) is achieved. Specifying a quite small limitation - let's say `"1"` - arises the possibility that JavaMail gets dead-locked by itself. E.g. an IMAP store attempts to create a second connection. That attempt may get stalled as it waits

for itself to free the already acquired connection which never happens.
So, please use this exact mapping only if you specify a reasonable limitation.

Default is "boundary-aware"

Change 1684 - Property that toggles the user's ability to use templates for publishing

The publication system enables users to write their own templates. This has been used rather rarely and requires several security considerations to be made (white lists, separate domains to use the sandboxing features of javascript...). It also prevents the updates of templates to reach users, as a template is cloned into the user folder the first time a publication is created.

```
com.openexchange.templating.usertemplating = false
```

This toggle is set to "false" as default, which disables user templating.

Potential side effects: This will disable user templating for all customers, even if previously used, as this property was never set before, so the default will apply to everyone.

Second, probably beneficial side-effect: Updates to templates on the server side now reach customers.

Change 1702 - Introduced property "com.openexchange.mail.transport.removeMimeVersionInSubParts" to 'transport.properties' to specify whether to remove superfluous "MIME-Version" header from multipart sub-parts on message transport

Introduced property "com.openexchange.mail.transport.removeMimeVersionInSubParts" to 'transport.properties' to specify whether to remove superfluous "MIME-Version" header from multipart sub-parts on message transport.

Specifies whether to strictly obey suggestion in RFC 2045. The MIME-Version header field is required at the top level of a message, but is `_not_` required for each body part of a multipart entity. If set to "true", each message is processed to not contain a MIME-Version header in sub-parts. Default is "false"

Change 1706 - Added new property to specify those error codes returned by Open-Xchange server that signal a reconnect

The following server property has been added to 'usm.properties' to allow configuration which error codes reported by OX should trigger a re-login of USM for its OX sessions:

```
com.openexchange.usm.ox.relogin_error_codes
```

Its value is a comma separated list of OX error-codes.
Its default value is: SES-0202, SES-0203, SES-0206

Change 1707 - Added support for Content-Security-Policy headers

Added support for Content-Security-Policy headers through property "com.openexchange.servlet.contentSecurityPolicy" in 'server.properties'. Default is null/empty string.

Change 1709 - Add new configuration file for open-xchange-realtime-core

```
# Realtime.properties
#
# This file configures the realtime components contained in the package
# open-xchange-realtime-core

### Debugging
#####

# Tracing:
# Tracing is done by adding a unique tracer to the client message that enables you
# to follow the path of a realtime tracer/message as it is handled by different
# parts of the server stack. This done by logging a status message at the info
# loglevel.

# Enable tracing for all users.
# Default value: false
com.openexchange.realtime.isTraceAllUsersEnabled=false

# Enable tracing only for a set of users e.g.: userA@context1, userB@context1, userC@context2
# Default value: empty set
com.openexchange.realtime.usersToTrace=
```

Change 1710 - Removed obsolete GMX crawler identifiers/specs from 'crawler.properties' file

Removed obsolete GMX crawler identifiers/specs from 'crawler.properties' file.

Removed entries:
com.openexchange.subscribe.crawler.gmx=true
com.openexchange.subscribe.crawler.gmx.com=true

Fixed refresh rate property:
"com.openexchange.subscribe.crawler.gmx.com.autorunInterval=1d" -->
"com.openexchange.subscribe.crawler.gmx.de.autorunInterval=1d"

Change 1721 - Modification of some hazelcast map configs

The internal structure of the stored data for map "rtResourceDirectory" has changed. We had to change the maps name in com.openexchange.realtime.hazelcast/conf/hazelcast/rtResourceDirectory.properties from "rtResourceDirectory-1" to "rtResourceDirectory-2" to avoid serialization conflicts.

We found out that eviction of map entries does not apply for hazelcasts MultiMap implementation. Therefore the property "com.openexchange.hazelcast.configuration.map.maxIdleSeconds" was removed from com.openexchange.realtime.hazelcast/conf/hazelcast/rtIDMapping.properties.

Change 1722 - Added USM property to 'usm.properties' file

Added the following property to 'usm.properties' file:
`com.openexchange.usm.session.sync.lock.timeout`

It allows the configuration of a wait timeout (before the request is aborted) to gain exclusive access to a folder in case of concurrent synchronization requests on the same folder by the same device. Its value is a timeout in milliseconds, the default value is 10000 (i.e. 10 seconds).

Change 1730 - Elongate eviction time for distributed resources

We now actively remove and refresh resources in the hazelcast based resourcedirectory. This means we can elongate the eviction time for distributed resources to prevent premature eviction which further enhances stability for e.g. very long document editing sessions.

The value of `com.openexchange.hazelcast.configuration.map.maxIdleSeconds` in the file `rtResourceDirectory.properties` will be changed from 3600 to 86400 seconds.

4.1.2. Changes of Database Schemes

Change 1654 - Values for not explicitly required columns in del_* tables will become NULL or ""

For security reasons all not explicitly required columns within all del_* tables will get the value NULL or "" if the column is defined as NOT NULL. That means all existing and new entries will be affected by this change!

This is preparatory work for deleting the described columns in a later release.

Have a look at the details of the changes below:

Update task: com.openexchange.groupware.update.tasks.ContactClearDelTablesTasks

table: del_contacts

columns affected: "timestampfield01", "timestampfield02", "intfield02", "intfield03", "intfield04", "intfield05", "intfield06", "intfield07", "intfield08", "field01", "field02", "field03", "field04", "field05", "field06", "field07", "field08", "field09", "field10", "field11", "field12", "field13", "field14", "field15", "field16", "field17", "field18", "field19", "field20", "field21", "field22", "field23", "field24", "field25", "field26", "field27", "field28", "field29", "field30", "field31", "field32", "field33", "field34", "field35", "field36", "field37", "field38", "field39", "field40", "field41", "field42", "field43", "field44", "field45", "field46", "field47", "field48", "field49", "field50", "field51", "field52", "field53", "field54", "field55", "field56", "field57", "field58", "field59", "field60", "field61", "field62", "field63", "field64", "field65", "field66", "field67", "field68", "field69", "field70", "field71", "field72", "field73", "field74", "field75", "field76", "field77", "field78", "field79", "field80", "field81", "field82", "field83", "field84", "field85", "field86", "field87", "field88", "field89", "field90", "useCount", "yomiFirstName", "yomiLastName", "yomiCompany", "homeAddress", "businessAddress", "otherAddress"

table: del_contacts_image

columns affected: all columns

table: del_dlist

columns affected: all columns

Update task: com.openexchange.groupware.update.tasks.TaskClearDelTablesTasks

table: del_task

columns affected: "start", "end", "completed", "title", "description", "state", "priority", "progress", "categories", "project", "target_duration", "actual_duration", "target_costs", "actual_costs", "currency", "trip_meter", "billing", "companies", "color_label", "recurrence_interval", "recurrence_days", "recurrence_dayinmonth", "recurrence_month", "recurrence_until", "recurrence_count"

Update task: com.openexchange.groupware.update.tasks.AppointmentClearDelTablesTasks

table: del_dates

columns affected: "timestampfield01", "timestampfield02", "timezone", "intfield03", "intfield04", "intfield05", "intfield06", "intfield07", "intfield08", "field01", "field02", "field04", "field06", "field07", "field08", "field09", "organizer", "sequence", "organizerId", "principal", "principalId"

Update task: com.openexchange.groupware.update.tasks.UserClearDelTablesTask

table: del_user

columns affected: "imapServer", "imapLogin", "mail", "mailEnabled", "mailDomain", "preferredLanguage", "shadowLastChange", "smtpServer", "timeZone", "userPassword", "passwordMech", "homeDirectory", "loginShell"

Update task: com.openexchange.groupware.update.tasks.ResourceClearDelTablesTask

table: del_resource

columns affected: "identifier", "displayName", "mail", "available", "description"

Update task: com.openexchange.groupware.update.tasks.InfostoreClearDelTablesTask

table: del_infostore_document

columns affected: "title", "url", "description", "categories", "filename", "file_store_location", "file_size", "file_mimetype", "file_md5sum", "file_version_comment"

Update task: com.openexchange.groupware.update.tasks.FolderClearDelTablesTasks

table: del_oxfolder_tree

columns affected: fname

table: virtualBackupTree

columns affected: name

Change 1695 - Extend the sizes of the 'filename', 'title' and 'file_size' columns in the 'infostore_document' table.

The sizes of the 'filename', 'title' and 'file_size' columns in the 'infostore_document' table are extended to allow bigger data to be stored.

Currently, the filename is limited by the column definition of "varchar(255)", which may not be enough since a character might consume up to 3 bytes in MySQL. This column definition is therefore going to be changed to "varchar(767)". Additionally, since a file's name is often used as the document's title, the column definition for 'title' is changed accordingly to "varchar(767)", too.

Similarly, the filesize is limited by the column definition of "int(10) unsigned", which may not be enough for files larger than ~4.3 GB. This column definition is therefore going to be changed to "bigint(20)".

The column 'name' in the 'infostoreReservedPaths' table is extended to "varchar(767)", too.

Note that the 'del_infostore_document' table is not touched since the affected columns are no longer used and are going to be removed in a future release anyway.

The update task will be initiated with the "schema" and "blocking" attributes.

4.1.3. Changes of Behavior

- none -

4.1.4. Changes of Packaging

Change 1642 - New languages Danish and Swedish

New languages Danish and Swedish for OX App Suite UI 7.4.1/backend.

Change 1680 - Package restructuring for OX Text and Document Viewer

better separation between OX Text/Viewer and remaining appsuite code.

DocumentViewer nowadays needs the following packages:

open-xchange-documents-ui-viewer, open-xchange-documents-ui-static and open-xchange-documents-ui.

OX Text nowadays needs the following packages:

open-xchange-documents-ui-editors, open-xchange-documents-ui-static and open-xchange-documents-ui.

Change 1686 - New language Brazilian Portuguese

Brazilian Portuguese for OX6 and OX App Suite.

Change 1687 - New language Brazilian Portuguese

Brazilian Portuguese for OX6 and OX App Suite.

Change 1688 - New language Brazilian Portuguese

Brazilian Portuguese for OX6 and OX App Suite.

4.1.5. Changes of Libraries/Licenses

Change 1712 - Rhino updated to 1.7R4

To take advantage of performance improvements in the latest version, the Rhino JavaScript engine is updated to the version 1.7R4.

4.1.6. Changes of Front-End Customizations

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

4.2. Changes relevant for Developers

4.2.1. Changes of the HTTP API

Change 1716 - Exporting distribution lists in CSV is optional now

Export of distribution lists had been completely disabled some time ago. It has been reactivated again for our internal CSV format and may be switched off with a new parameter "export_dlists". If "false" distribution lists will not be exported. If the parameter is not set, it defaults to "true".

Example:

```
http://ox.io/appsuite/api/export?action=CSV&folder=x&session=y&content_disposition=attachment&export_dlists=false
```

4.2.2. Changes of the RMI API

Change 1701 - Changed data type of quota value from int to long

The data type of the attributes in the class `com.openexchange.admin.oxcs.rmi.QuotaUsage` was changed from `int` to `long`. If you are using that class please adjust your code to reflect this change.

4.2.3. Changes of the SOAP API

Change 1699 - Changed data type of quota value from int to long

The data type in the complex type `QuotaUsage` was adjusted from `xs:int` to `xs:long`. If you are using code which was generated from the WSDL re-run the code generation. If you are using a programming language with dynamic type-checking like perl there's in general nothing to do.

4.2.4. Changes of the CLT API

Change 1700 - Removed JCS related options from oxinstaller

Since 7.0.1 JCS cache invalidation is performed by our own invalidation mechanism. Currently the `oxinstaller` script enables UDP discovery for JCS. Internally these settings are already ignored due to our own invalidation mechanism. Thus enabling the mentioned settings makes no sense anymore.

These options have been removed from `oxinstaller`:

```
--cache-udp-disc-addr  
--cache-udp-disc-port  
--admin-cache-port
```

4.2.5. Changes of the WebDAV API

- none -

4.2.6. Changes of the GUI-API

Change 1666 - Renaming extension points for folder view menus

Folder view toolbar (located at bottom) has been replaced by inline links and context menus. Along with this visual change the names of the corresponding extension had to be renamed.

<app-id>/folderview/sidepanel/toolbar/options is now
<app-id>/folderview/sidepanel/context-menu

<app-id>/folderview/sidepanel/toolbar/add is now
<app-id>/folderview/sidepanel/links

Examples:

io.ox/mail/folderview/sidepanel/links

io.ox/calendar/folderview/sidepanel/links

Change 1729 - Tasks fields cannot contain time information

The tasks app in App Suite UI offered date and time fields. The time part, however, must be removed because the HTTP API is limited to dates. Otherwise users might experience incorrect data when using other clients like OX6 or EAS.

4.2.7. Changes of the Java-API

Change 1653 - Add "version" argument to FileStorageFileAccess#copy method

As soon as the current file version is not the desired one, it's necessary to define the source version of files when performing a copy operation.

The method with the signature

```
IDTuple copy(IDTuple source, String destFolder, File update, InputStream newFile, List<File.Field>  
modifiedFields) throws OXException;
```

currently lacks the possibility to specify the source version to copy the data from. Therefore, a "version" parameter is introduced there, so that the new signature will look like:

```
IDTuple copy(IDTuple source, String version, String destFolder, File update, InputStream newFile,  
List<File.Field> modifiedFields) throws OXException;
```

5. Tests

The OX QA team has verified all bug fixes.

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

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

6. Fixed Bugs

20574, 20582, 20765, 26694, 26704, 26837, 27751, 27811, 28479, 28580, 28797, 28812, 28823, 28861, 28907, 28942, 28964, 28973, 28984, 28994, 28995, 28998, 29034, 29041, 29081, 29094, 29100, 29110, 29114, 29118, 29120, 29160, 29170, 29174, 29178, 29181, 29189, 29200, 29205, 29218, 29220, 29229, 29232, 29260, 29262, 29263, 29266, 29268, 29270, 29279, 29281, 29283, 29284, 29295, 29298, 29299, 29309, 29322, 29339, 29341, 29342, 29350, 29371, 29374, 29387, 29389, 29425, 29469, 29473, 29475, 29491, 29495, 29505, 29516, 29519, 29528, 29537, 29540, 29554, 29557, 29581, 29597, 29598, 29643, 29644, 29667, 29728, 29838, 29845