

Open-Xchange Server 6

v6.18.2-Rev14

Release Notes 1.01

Release Date: 2010-12-22

Please review the limitations described in this document before using this release in productive environments.

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1. About this Release

This is the release v6.18.2 of Open-Xchange Server 6 (OX6), the basis for the Open-Xchange Hosting Edition and the Open-Xchange Server Edition. It contains some significant enhancements in features and API extensions.

In line with Open-Xchange Server 6 the following components/products will be released:

- OXtender for MS Outlook
- Open-Xchange Client Updater
- OXtender for Business Mobility

Originally also a major release of the OXtender for Mac OS X was planned for v6.18.2., Unfortunately it could be finalized in time with reasonable quality. A preview will soon be available and we expect its release very early in 2011.

Please Note:

Please review the limitations described in this document before using this release in productive environments.

2. Shipped Packages and Version

2.1. Open-Xchange Server 6

Version: v6.18.2-Rev14 (2010-12-22)

The version number is the same for the groupware server and the groupware front-end.

When reporting bugs, please make sure to include this version number in your bug report.

The version/revision number can be found

- a) in the Login dialog
- b) in the About dialog (Question icon in the upper right -> About)

2.2. OXtender for MS Outlook

Version: v6.18.10 (2010-11-30)

File name: OXtender_for_Microsoft_Outlook_<language>_<version>.msi

When reporting bugs, please include the version number in your bug report.

The version number can be found

- a) in the splash screen when starting Outlook
- b) Extras -> OXtender for MS Outlook -> About

2.3. OX Client Updater

Version: v6.18.3 (2010-11-22)

When reporting bugs, please include the version number in your bug report.

The version number can be found via

Windows action bar -> OXUpdater Icon -> RMB -> "About"

2.4. OXtender for Business Mobility

File names:

- open-xchange-usm
- open-xchange-eas

When reporting bugs, please select "6.18.2" from the version field.

3. New Features

3.1. Open-Xchange Server Highlights

Highlights in this release are:

- New Convenient Panel Design
- Features, Functions and general Improvements
 - Search for Categories
 - Mapping of Participants
 - New Icon Set for more Flexibility and new Panel
 - Displaying of appointments "on behalf of Creator"
 - iCal Behavior – Appointment edit generates Mail
 - Error Message for useless import Data
- Administration, Technical Extensions, Plug-ins, etc.
 - More Platform Enhancements to prepare the OXtender 2 for MS Outlook®
 - Platform Enhancements for the OXtender for SyncML and Mobile App Beta

3.2. Open-Xchange OXtender for MS Outlook®

- Bug Fixes

3.3. Open-Xchange OXtender for Business Mobility

- Support of Windows Phone 7
- Support of Mail For Exchange 3.0 (e.g. Nokia/Symbian)
- Support of HTC Sense version 1.32.405 (e.g. HTC Desire HD)

For more detailed descriptions of the new features listed here, please refer to the v6.18.2 Features Document:

http://software.open-xchange.com/OX6/doc/Feature_Overview_OX6_6_18_2.pdf

or the user and administration manuals coming with this release

For details about configuration setting changes/additions please check section 4 of these release notes.

4. Major Changes

This chapter describes the major changes applied since release of v6.18.1., covering changes relevant for

- Developers
 - Administrators
 - End Users
- and License changes.

4.1. For Developers - API Changes

This section contains information about

- RMI changes
- Changes of the Command Line Tools (CLT)
- Changes of the HTTP-API
- Changes in the Mail Abstraction Layer (MAL)
- Changes of Front-End Customization/Theming

4.1.1. RMI

- None -

4.1.2. CLT – Command Line Tools

Change #447 - User-specific Configurations

Plug-ins and bundles may need provisioning information attached to a user. Since we cannot foresee which data will be needed, we need the ability to store arbitrary configuration data for a user. For that a new interface to the data in the key-value pair table "user_attributes" has been added.

Dynamic user attributes are prefixed with a namespace that should follow the usual Java convention of inverted domain names. The attribute name itself is appended with a slash. So a valid name would be `com.openexchange.openid/id`

to e.g. hold the openID URL of a user. Plug-ins and bundles can then retrieve this value through their respective user loading mechanisms.

The command-line scripts treat every parameter prefixed with a namespace as a dynamic attribute, so the `createuser` and `changeuser` scripts accept additional attributes in this form:

```
--com.openexchange.openid/id=http://open-xchange.com/people/joe
```

This sets this value. An informal contract of a bundle or plug-in will specify valid attribute names and values.

Change #532 - Unsetting dynamic User Attributes with CLT by Prefix

For custom integrations, dynamic user attributes can be added to a user object. In the command line tools they can be set by using a namespace/name pair to denote the dynamic nature of the attribute:

```
--com.openexchange.recipes/favoriteFood=chocolate_pudding
```

Up to now these dynamic attributes could not be removed using the command line tools. Now they can be removed by prefixing the (fully qualified) attribute name with --remove-:

```
--remove-com.openexchange.recipes/favoriteFood
```

This is an extension of the existing CLT, and therefore is a backward compatible change.

4.1.3. HTTP-API Changes/Extensions

Change #462 - Parameters for Appointment Search

The validation of a bug disclosed that the API description for performing an appointment search is not consistent with the given functionality.

Request-body parameters:

'startletter' - This parameter has been removed. It has not been evaluated anywhere in our code.

URL-parameters:

'sort' (optional) - This parameter has been added. Its value has to be the integer value of the column by which the results shall be ordered (See body-parameter cols).

'order' (optional) - This parameter has been added. Its value can be 'ASC' or 'DESC' for ascending or descending order of the results.

Change #465 - Permission Flag for Mail Folders

The description of the permission flags of folders (http://oxpedia.org/wiki/index.php?title=HTTP_API#PermissionFlags) had not been complete for mail folders.

Mail folders contain a 29th bit that can be 1 or 0.

This bit indicates if the folder allows additional user flags on mails or not.

Change #468 - Restricted use of the "sequence" field

To properly process iMIP updates, some restrictions for the field "sequence" (225) in the HTTP API have become necessary:

The field "sequence" it is set to 0 during creation of an object and auto-incremented by the server with each update.

If written, it's value must be 0 on creation and greater than the current value on updates.

It is recommended to let the server handle the value and only read this field.

Change #489 - Session Timeouts and Secret Cookies

To avoid timeouts due to the secret cookie expiring, we introduced a new action for the login request:

"refreshSecret" gets a session and re-news the expiry date for the secret cookie.

This is a separate request from the one to refresh the expiry date on the session cookie, because Apache tends to mess up sessions if both cookies are changed in the same request.

Change #494 - iCal Import Requests

A new optional parameter has been added to the iCal import request. This parameter is named suppressNotification. Its value does not matter.

With this optional parameter multiple appointments can be imported through the iCal interface without generating new appointment notifications. Those notifications can be annoying especially when a larger number of appointments are imported.

Change #509 - Accessing External Data Sources

NOTE: This change describes, all in one: Two new bundles, a new API and a new configuration file.

In this release we introduce two new bundles `com.openexchange.groupware.dataRetrieval` and `com.openexcchange.groupware.dataRetrieval.mail`. The bundles allow clients to obtain download URLs for certain binary data that can be retrieved by a third system (i.e. without authentication cookies). `com.openexchange.groupware.dataRetrieval` contains the framework and pluggable architecture, `com.openexchange.groupware.dataRetrieval.mail` the plug-in for mail attachments.

The following API is provided by these bundles:
GET `/ajax/data/retrieval?action=register`

- * datasource - Name of the data source to use
- * session - The session id
- ... Further dynamic parameters as defined per data source

Response with a JSONObject representing the file in its data attribute.

Structure of the file metadata:

filename: The filename, may be null or unset
length: The file size, may be null or unset
mimeType: The mime type, may be null or unset
url: The url to retrieve the item, without session cookies.

Datasources:

Mail

Can load mail attachments.

- * id The message id
- * folder The folder id
- * attachment The attachment sequence number

Change #507 - Life Time for Session Cookies

To fix the back-end part of Bug #17203 (Sessions become invalid before session lifetime exceeds) a new preference item has been introduced to let the front-end know about the cookie lifetime: "cookielifetime"

This changes the HTTP-API.

For more further details please refer to:

http://oxpedia.org/index.php?title=HTTP_API#Module_.22config.22

Change #513 - Mail Attachments from external Sources

The HTTP-API has been extended to support following use case:
A user wants to attach a file to an email. Therefore the OX UI passes an appropriate data source description containing a download URL and metadata to the OX server when sending a mail.

Please see detailed description here:

http://oxpedia.org/wiki/index.php?title=HTTP_API#Attach_data_sources

Change #516 - HttpOnly-flag for Cookies

To enable/disable the cookie HttpOnly flag, the new property "com.openexchange.cookie.httpOnly" has been introduced in server.properties.

By default this property is set to true; meaning cookies will contain the "; HttpOnly" parameter.

Note: This change will affect 3rd party HTTP-clients

4.1.4. Changes of Front-End Customizations

Change #485 - Theming and Icon Changes

The new Open-Xchange release provides an improved menu bar with large, new icons. These new files and features require a small amount of CSS changes. A list with new and changed images and CSS files can be found in our OXPEDIA Wiki documentation for theme changes.

The following changes have been applied since 6.18.1:

- One new CSS file called branding.css. With this CSS file, the administrator is able to place a new Logo for his product on the far top side of the product.
- A few minor changes in the global.css CSS file.
- Four new icons in the folder img/arrows/ and one changed icon in img/toolbar/ called toolbar_bg.png

The new menu bar icons can be found in the following theme folder:
>/themes/[theme name]/icons

In this folder, you will find all new icons separated by their size (16x16 pixel, 24x24 pixel and 32x32 pixel). These folders will be the new place for all upcoming icon changes. Outdated or unused icons will be deleted in later releases.

For further details please refer to the OXpedia page:
<http://oxpedia.org/wiki/index.php?title=ThemeChanges>

Change #488 - New Icon Set

With v6.18.2 Open-Xchange Server comes with a new set of icons for the default theme. Both, the default and the "Light Breeze" theme will be equipped with these new icons. Customers are still able to provide their own icons for each theme if they want to.

Change 544 - Integration of custom Logos

Please perform the following steps to enable and to configure the area where you can show your own logo:

1. Change to the UI installation path (mostly: /var/www/ox6/)
2. Change to your theme path or the path you want to modify (e.g.themes/\${name}/css/)
3. Expand the file "concat.cssz" using gzip: "gzip -d -S .cssz concat.cssz"
4. Open the file "concat" using a text editor (e.g. vim concat)
5. Search for the tag '#branding'.
Please note: Further details how-to enable the logo or how to change the height of the logo area, can be found in the comments.
6. After editing the file, save your work and compress it again:
"gzip -S .cssz concat"

To test your modifications, clear your browser cache and hit the reload button of your browser.

Please note:

You will have to re-apply these changes on each update you install.

4.1.5. MAL – Mail Abstraction Layer

- No changes applied -

4.2. For Administrators

This section covers changes relevant for administrators, including

- Database changes and necessary update tasks
- Changes in configuration files
- Changed defaults
- Changes in packages and bundles shipped.

4.2.1. DB Schema Changes and Update Tasks

This section documents the most important changes in the database schema and the respective update tasks.

Change #538 - Missing Keys added to Contact Tables

To fix bug #17600 (Slow performance of Groupware after update to 6.18.1) additional keys had to be added to improve performance especially for auto-complete-queries.

To do so the SQL script file "contacts.sql" has been changed to contain the missing indexes when creating contact tables.

4.2.2. Changed Configuration Files

Change #462 - File Information for MacOXtender Updates

The updater for the OXtender for Mac OS X needs a configuration file to know about things like "Where are the files?", "What naming pattern do the files have?".

The file macupdater.properties is the new configuration file containing configurable information needed for delivering updates of the MacOXtender updates.

Change #473 - Extending Session Life Times

The complete code in the SessionD has been streamlined for implementing very long session life times of a week. To reduce memory consumption because of sessions creating during that week everything not really necessary is removed from SessionD bundle. Sessions should now live their normal defined sessionDefaultLifeTime and then they are put into a long term session container. All temporary session data is then removed from the sessions to reduce memory consumption. Additionally all session bound data somewhere in the OX systems is deleted, too. This may cause temporary slowdowns or even temporary problems with image or proxy data but that can be fixed by reloading the UI.

For streamlining the SessionD bundle firstly a lot of configuration options that have been removed because they never have been used with OX6:

- com.openexchange.sessiond.isServerSocketEnabled
- com.openexchange.sessiond.isServerObjectStreamSocketEnabled
- com.openexchange.sessiond.serverPort
- com.openexchange.sessiond.serverObjectStreamPort
- com.openexchange.sessiond.isTcpClientSocketEnabled

- com.openexchange.sessiond.serverBindAddress
- com.openexchange.sessiond.isDoubleLoginPermitted
- com.openexchange.sessiond.sessionAuthUser
- com.openexchange.sessiond.isSecureSocketConnectionEnabled
- com.openexchange.sessiond.caFile
- com.openexchange.sessiond.certFile
- com.openexchange.sessiond.keyFile

The following 2 parameters have been removed because they are now calculated from the com.openexchange.sessiond.sessionDefaultLifeTime. Before those parameters are only another definition of the life time and the shorter one wins:

- com.openexchange.sessiond.sessionContainerTimeout
- com.openexchange.sessiond.numberOfSessionContainers

The timeout for the random token was always configurable but that parameter was never mentioned in the sessiond.properties file. Now it is mentioned there with its default value:

com.openexchange.sessiond.randomTokenTimeout=1M

The timeout for very long session life times is configurable through a new parameter:

com.openexchange.sessiond.sessionLongLifeTime=1W

Not touched configuration options are:

- com.openexchange.sessiond.maxSession
- com.openexchange.sessiond.maxSessionPerUser
- com.openexchange.sessiond.sessionLongLifeTime=1W
- com.openexchange.sessiond.sessionCacheConfig
- com.openexchange.sessiond.autologin
- com.openexchange.sessiond.cookie.ttl

From the system.properties the configured path SESSIONDPROPERTIES has been removed because it is not used at all.

Change #477 - HTML White-listing for Publications

New config file publications.properties with property "com.openexchange.publish.microformats.usesWhitelisting", which is "true" by default.

This feature enables/disables white-listing of HTML, which is used to exclude elements that might allow users to steal sessions of other users.

Change #478 - Default Folder Tree

The default setting for com.openexchange.folder.tree is changed from 0 to 1. This changes the default used folder tree for new users. New users saw by default the Open-Xchange folder tree layout. Those users will now see by default the Outlook-like folder tree layout.

Change #479 - Limiting the Number of Mails to be Sent

In order to support a configurable rate limit to limit the number of mails a user is allowed to send in the configured amount of time, the property file "smtp.properties" is enhanced by property "com.openexchange.smtp.smtpRateLimit". This property allows to specify the time range (in milliseconds) in which no further mail may be sent. The default value is 0; meaning rate limit is disabled.

Change #458 - InfoStore Bundle

To further decompose the monolithic server bundle into smaller bundles, the utility classes for the InfoStore transaction handling move to their own bundle com.openexchange.tx

Please note: This bundle is still required for all installations of OX.

Change #486 - 'base' Tag Removed from whitelist.properties

The 'base' tag has been removed from whitelist.properties to properly display referenced inline images in HTML content of a mail.

Change #490 - No more InfoStore in servlet.properties

The file servlet.properties contains an entry for the path /ajax/infostore. That line needs to be removed, because the implementation of the infostore HTTP-API has moved into its own OSGi Bundle using the current servlet registration mechanism (see also change #491)
Therefore the old InfoStore servlet must not be mounted into the servlet container any more.

Change #498 - Proper MIME Type Recognition of .docx Files

Setting proper HTTP response headers on .docx attachment download. Thus IE browser offers properly associated application for .docx file. The user may open the file directly with e.g. MS Word application.

Furthermore the mapping file 'mime.types' is enhanced by a mapping for .docx files to detect proper MIME type by file extension:

```
application/vnd.openxmlformats-officedocument.wordprocessingml.document docx
```

Change #499 - DNS Change Tolerance

DNS changes are not recognized in Open-Xchange.
The default behavior of Java does not keep in mind that IP addresses could change. The following Java properties should solve this problem:

```
-Dsun.net.inetaddr.ttl=3600  
-Dnetworkaddress.cache.ttl=3600
```

-Dnetworkaddress.cache.negative.ttl=10

These properties have been added to
/opt/open-xchange/etc/groupware/ox-scriptconf.sh

Change #505 - Support of long Session Life Times

To support long session life times, the JSESSIONID cookie must not be a session cookie anymore.

Since the cookie time-to-live then is a more general property and not only bound to sessiond module, the property is moved from 'sessiond.properties' to 'server.properties'. The default value is still "1W" (1 Week).

Furthermore the property "AJP_JSESSIONID_TTL" in file 'ajp.properties' is obsolete and thus is removed.

1. A property "com.openexchange.cookie.ttl" has been added to the file server.properties with default value set to "1W"
2. The property "com.openexchange.sessiond.cookie.ttl" has been removed. A comment has been added to hint to new property.
3. The property "AJP_JSESSIONID_TTL" in file 'ajp.properties' has been removed.

Change #509 - Accessing External Data Sources

The lifetime of the token for accessing external data sources can be configured in the new config file "dataRetrieval.properties":

```
# Lifetime of a token in milliseconds. If this value is not set or negative the token only expires at the end of the session  
com.openexchange.groupware.dataRetrieval.lifetime : 60000
```

```
# Whether the token expires after the first access or not. Defaults to true.  
com.openexchange.groupware.dataRetrieval.onetime : true
```

Additional information about change #509 can be found under HTTP-API changes (section 4.1.3) and Packaging/Bundles changes (Section 4.2.4).

Change #515 - HTTPOnly Flag for Cookies

A new property "com.openexchange.cookie.httpOnly" has been introduced in server.properties to enable/disable the cookie HttpOnly-flag.

Default value is "true".

Change #511 - Excluded Update Tasks also for Admin Daemon

So far it was not possible to exclude specific update tasks for the administration daemon.

Therefore the configuration file `excludedupdatetasks.properties` has been moved
from `/opt/open-xchange/etc/groupware`
to `/opt/open-xchange/etc/common`

In its new destination the file is relevant for both, the groupware process and the administration daemon.

Change #519 - Essential Logging Information

The configuration file
`file-logging.properties`
for configuring the JDK logging framework has been extended by the following two lines:

```
com.openexchange.login.internal.LoginPerformer.level=INFO  
com.openexchange.sessiond.impl.SessionHandler.level=INFO
```

The same is done for the Log4J logging framework. The configuration file
`log4j.xml`
has been extended with the following part:

```
<logger name="com.openexchange.login.internal.LoginPerformer">  
<level value="INFO"/>  
</logger>  
<logger name="com.openexchange.sessiond.impl.SessionHandler">  
<level value="INFO"/>  
</logger>
```

Session life time tracking is extraordinary essential when vulnerability issues occur.

Important note:

These options ensure, that all login relevant information is logged correctly. Such information is essential to detect and to address session issues, potentially caused by 3rd parties. Open-Xchange strongly suggests NOT to modify these configuration settings unless you are forced to do so by specific legal requirements, e.g. privacy regulations.

If these settings are changed, Open-Xchange will take no responsibility and will exclude support regarding any session issues and potential security breaches arising thereof.

Change #521 - Thread Pool Block

Added possibility to add a blocking behavior to thread pool when submitting a task. The caller waits for space to become available in work queue of the thread pool.

The file
 threadpool.properties
has been enhanced by the property
 "com.openexchange.threadpool.blocking".

Its default value is: false.

Change #532 - Rate limit configuration

With v6.18.2 we need to introduce a rate limit setting, so that no one can send to many mails in a given timeframe and add too many recipients to a mail. This should prevent spammers from using OX for their criminal activities.

In the past we had introduced the setting
 com.openexchange.smtp.smtpRateLimit=0
in the smtp.properties file.

This setting will be removed as we need to be flexible to use the setting also for other transports which might come up in the future. As a replacement the following three settings have been added to the mail.properties file:

```
# Define if the rateLimit and maxToCcBcc settings below will only affect
# the primary account or all accounts
com.openexchange.mail.rateLimitPrimaryOnly=true

# Define the time (in milliseconds) which must pass by before a new mail can be sent
# A value of 0 disables the limit.
com.openexchange.mail.rateLimit=0

# Define the allowed maximum number of recipients in a mail
# A value of 0 disables the limit.
com.openexchange.mail.maxToCcBcc=0
```

Please note: This change is not backward compatible.

Change #533 - Password Change Permission for "webmail" and "pim" AccessCombination

To fix a bug, the "editpassword" module access has been added to all module access combinations (webmail, pim, etc.).

Change #537 - Encryption key setting for encrypting passwords in-flight during session migration

When one node in a cluster goes down, sessions are moved into other nodes caches where they can be retrieved on subsequent accesses. This is how the session migration feature of OX works. When transmitting sessions, and, more

importantly the users' passwords that has to be known for sessions, the data has been sent in clear text. To make it harder to glean passwords from network traffic, passwords are encrypted and decrypted using a configurable encryption key.

Therefore a property has been added to the file `sessiond.properties`:

```
com.openexchange.sessiond.encryptionKey
```

which should be set by admins to a new value.

Please note: This value MUST be the same on all cluster nodes.

Change #539 - Caching System for USM (Universal Sync Module)

A new caching system has been introduced to the USM sync system. As long as there is no immediate need to make sure the newest OX server data is compared to the client data/requests, the data from previous sync calls will be cached and no OX call will be performed to determine its current data for the content of a folder (or for the folder hierarchy).

The cached data will be invalidated if an OX event indicates that some change has occurred, and it won't be used if any client requests (creation/change/deletion) are received (the sync system has to make sure that the client requests are compared to the current data on the server). It will also be invalidated after some time, which can be configured for 2 different scenarios:

- a) a complete sync, i.e. all pending server changes have been reported to the client

- b) an incomplete sync, i.e. only some of the server changes have been reported to the client (in this case, the client normally performs another sync call to retrieve the remaining changes until the sync is complete)

For performance reasons, the cache is completely in-memory (and therefore server-local). Cached data will be automatically removed if memory is running low.

For each scenario the cache can be disabled by setting the timeout value to 0.

```
# Time in milliseconds for which cached data will be stored for a complete  
sync, default is 60000 ms == 1 minute  
com.openexchange.usm.session.sync.cache.time_limit.complete=60000
```

```
# Time in milliseconds for which cached data will be stored for an incom-  
plete sync, default is 1200000 ms == 20 minutes  
com.openexchange.usm.session.sync.cache.time_limit.incomplete=1200000
```

Change #540 - Configurable lock wait time for admin-soap

At the moment the lock for the RMI reconnection in the admin-soap bundle throws an exception directly if the lock cannot be acquired. If the admin is under load with several soap connections this leads to sporadic errors which can be omitted if a wait time is added to the lock.

Therefore a new setting has been added to

/opt/open-xchange/etc/admindemon/plugin/open-xchange-admin-soap.properties:

```
#  
# How long (in seconds) the system should wait for a lock before  
# throwing exceptions  
#  
LOCK_WAIT_TIME=10
```

This setting defines the maximum wait time before an error is thrown in case the lock cannot be acquired. If this setting is not contained in the property file, a default of 10 seconds will be assumed. So this change is backward compatible.

Change #542 - DISPLAYNAME_UNIQUE removed

The Option DISPLAYNAME_UNIQUE caused numerous conflicts and could not be considered properly. Thus it had to be removed from the file `../etc/admindemon/User.properties`

Change #551 - Default Tree View - Enhanced vs. Flat

A new plug-in has been introduced where the administrator can change the default folder tree view (enhanced or flat tree view) unless a user already changed this setting. To activate and configure the plug-in, a property file must be added on the backend (see oxpedia.org for details).

The following options can be set in this property:

```
modules/com.openexchange.settings.folder/show=true (enable the check)  
modules/com.openexchange.settings.folder/condition=[1-3] (condition, 1=all  
user, 2=all user with infostore, 3=as 2 but user must have at least n files stored  
in the infostore)  
modules/com.openexchange.settings.folder/minFiles=1 (if condition set to 3 this  
is the minimum number of files a user must have)
```

4.2.3. Changed Defaults

Change #502 - Time of the Last Password Change

Some customer environments require to have the time of the last password change to be stored in the existing database field `shadowLastChanged`.

The existing database field `shadowLastChanged` is now set to the current time expressed in the number of seconds since Jan 1, 1970 whenever a user changes the password via the `open-xchange-passwordchange-database`.

4.2.4. Changes in Packaging/Bundles

Change #456 - Bundle for the OXtender for Mac OS X

Additional bundle for delivering the MacOXtender: It can deliver the `.pkg` and serves as source for update information from Sparkle.

Change #460 - Resellers Managing Sub-Admins

New package open-xchange-admin-plugin-reseller, adding an additional layer of admin privileges in order to provide a reseller functionality.

The oxadminmaster account is now able to manage sub admins which can then manage contexts according to specific restrictions like e.g. subadmin "foo" can create a maximum amount of 10 contexts or a maximum amount of 1000 users within all contexts.

The package contains an additional RMI interface and a SOAP interface.

The API might still be subject to change.

Installation instructions can be found in the file README.SETUP shipped with the package.

This feature is optional. Nothing changes when this package is not installed.

Change #470 - Host Name of an LDAP Server

The new bundle open-xchange-hostname-ldap provides an implementation for the HostnameService to the system which will deliver a hostname for the given cid read from a provided LDAP server. The hostnames are cached for the local server using our caching system to minimize the requests to the LDAP server.

Therefore not only the configuration file

`/opt/open-xchange/etc/groupware/ldaphostname.properties`

is added but also

`/opt/open-xchange/etc/groupware/ldaphostname.ccf`

which contains the cache settings.

Change #491 - InfoStore bundled separately

A new bundle "com.openexchange.file.storage.infostore" has been introduced to adapt the old InfoStore system into the new file storage infrastructure. This is mandatory for all OX installations

Change #492 - Updater Bundles for different OXtenders

In accordance with the requirement to update the upcoming "OXtender 2 for MS Outlook" using the OutlookUpdater, it's necessary to introduce two new bundles:

`com.openexchange.outlook.updater.oxtender1` and

`com.openexchange.outlook.updater.oxtender2`.

These bundles provide the necessary XML data that is needed by the OutlookUpdater to update either the current OXtender for MS Outlook or the upcoming OXtender 2 respectively.

From now on the binaries of the update files and the xml-templates are part of their own bundles. This enables the possibility to extend the list of updatable products by building new bundles and registering a service without touching the `com.openexchange.outlook.updater` bundle itself.

Change #509 - Accessing External Data Sources

In this release introduce two new bundles have been introduced:
com.openexchange.groupware.dataRetrieval and
com.openexcxhange.groupware.dataRetrieval.mail.

The bundles allow clients to obtain download URLs for certain binary data that can be retrieved by a third party system (i.e. without authentication cookies).

com.openexchange.groupware.dataRetrieval contains the framework and pluggable architecture, com.openexchange.groupware.dataRetrieval.mail the plug-in for mail attachments.

For API details of the new bundles please refer to change #509 under HTTP-API (section 4.1.3.)

Change #512 - Mail Attachments from external Sources

A user wants to attach a file to an e-mail. Therefore the OX UI passes an appropriate data source description, containing a download URL and metadata to the OX server when sending a mail.

Please see detailed description here:
http://oxpedia.org/wiki/index.php?title=HTTP_API#Attach_data_sources

Change #520 - Logging Frameworks

A new bundle configuring the two logging frameworks has been added. This bundle is named com.openexchange.logging and configures some log levels in the logging framework JDK java.util.logging and org.apache.log4j.

Log4J is still optional and the bundle has an optional dependency on it. Configuring the log levels from the code base is necessary to ensure that essential logging messages does appear in the log files even if everything has been disabled by configuration files.

Change #528 - Individual Authorization Mechanisms

In addition to the standard OX authentication, it is now also possible to provide an own authorization implementation.

The new bundle com.openexchange.authorization.standard implements the behavior as it has been before, so there are no changes in any published API or behavior.

It is now possible to replace the default implementation by an individual implementation.

4.3. For End Users

4.3.1. New Panel Design

The panel / menu bar has changed for all modules and all secondary windows.

The new panel is more streamlined, modern and clearly structured. The most frequently used functions are just a fingertip away. As default they are shown as increased icons. Thanks to this new structure and the increased main icons the functions are more clearly visible and can be recognized at a glance. The panel can be expanded or collapsed per module. That's extremely helpful, as you might want to leave it expanded for a module, the functions you frequently need and leave it collapsed for other modules that you do not use extensively.

4.3.2. New Icon Set for more Flexibility

The new release v6.18.2 provides users with a complete technical redesigned icon set for the user interface. All icons are available as vector graphic to provide an improved theme-ability of the Open-Xchange user interface. Additionally, it was necessary for the new convenient panel design, to create new icons with different size. With the new icon set, the default and the "Light Breeze" theme will be provided with these new icons. Customers are still able to provide their own icons for each theme if they want to. If you have added your own icons/theme, please check your user interface after the update. Maybe it is necessary to re-create your own icons or to add new one.

Please refer to the OX6 User Manual for updated screenshots of the new layout.

4.4. 3rd Party Libraries and Licenses

- None -

5. Bug Fixes

The following list shows the resolved bugs, reported by customers and partners since the last release:

Bug No	Severity	Description
17304	blocker	Fehlermeldung: Kein passender Ordner-Speicher für Baum-ID "0" und Ordner-ID "null". (FLD-1004, -934169575-21)
17539	blocker	Very high load in groupware nodes
15825	critical	Groupware dies with java.lang.OutOfMemoryError: PermGen space
17203	critical	Sessions become invalid before session lifetime exceeds
17309	critical	Subscribed shared IMAP folders from other users are not shown in GUI
17330	critical	rename email folder generates endless request loop
17355	critical	USM Update Tasks haven't been executed during the 6.18.1 update
17516	critical	Problem with Nokia Mobile's Anniversaries and Memorandum
17590	critical	Custom Sun crawler throws error while trying to subscribe to source system
17605	critical	execution of unwanted javascript code in html emails possible
17627	critical	Lots of IMAP connection timeouts and connection refused error since update to 6.18.1
14653	major	Accepting/Declining an appointment in OL2007 generates "changed appointment" mails
17223	major	ISO-2022-JP encoded e-mails aren't displayed correctly in OX
17329	major	Contact collector leads to unusable system
17371	major	Not possible to send contacts as vCards using IE8
17515	major	readme.txt for new Apache configuration contains Debian version only
17557	major	High load on webmail machines during normal production
17562	major	Not possible to import Appointment from OX invitation
17600	major	Slow performance of Groupware after update to 6.18.1
17601	major	Width of folder tree window is reset to default after changing folder
17691	major	Mail folder not shown/working in non-expert mode
17723	major	Connecting Twitter account not possible
17734	major	outgoing, not closing http connections, do waste all filedescriptors
17736	major	Sync with HTC Desire HD not possible
17752	major	Some shared calendars are displayed twice - as shared and as a general calendar
17758	major	Nullpointer at MailFolderStorage.getFolder
17780	major	Folder "default0" is not visible to user "xyz" in context 1234
17789	major	Publications contain IP address instead of hostname
17812	major	"Unknown Module view system" error while clicking to E-Mail
17844	major	No upsell layer on "add participants" within appointment and task dialogues using IE8
16080	normal	Refresh of subscribed Infostore Folder doesn't refresh documents
17158	normal	Unlogical "new" folder options at simple views
17231	normal	not enough information in stack trace for actionGetMessage "Invalid email address"
17272	normal	intercom context switch bug
17289	normal	Login hangs at 90% for oxadmin-user on older installations
17293	normal	The action "store" is disabled due to server configuration
17303	normal	Clicking on settings button in panel does not select "Configuration - Option"
17310	normal	folder tree in home screen does not disappear on deselecting advanced view
17314	normal	inbox not displayed but error Fehlermeldung: Ungültiger Content-Type-Wert: /gif; name="logo.gif"
17316	normal	docx attachments will be opened as zip file
17319	normal	Error message thrown when reading broken mail is not displayed
17320	normal	new folders are some times named "new folder 2" for german users
17323	normal	no contacts imported from Facebook after successful subscription
17328	normal	+/- box does not disappear after deleting the last subfolder
17338	normal	Portal shows fledged folder tree of previous module

17341	normal	custom mail implementation: subfolder not shown if parent ends with)
17379	normal	InfoStore screen persists even after going to different module
17388	normal	additional space added to contacts Name while synchronization
17389	normal	You have an error in your SQL syntax on password change
17397	normal	Today' button in calendar only works for GMT
17400	normal	deleteFolder call must remove whole hierarchy in custom MAL implementation
17466	normal	Wrong Polish translation for "Login"
17517	normal	Message=File does not exist on deleting users
17523	normal	Database update tasks are triggered in admin regardless of excludedupdate-tasks.properties
17528	normal	IE8 Session timeout on writing mails with "above" html signatures
17530	normal	Move date picker header under new appointment header
17531	normal	Popup message for changing PW in English for German users
17538	normal	"Root" entry shown when mails are moved
17554	normal	search field not available in embedded mode
17561	normal	new e-mail folder creation throws error message
17573	normal	naming machine not understandable in US, should be computer
17584	normal	eMail folder creation sometimes creates a folder without asking the user to define a foldername
17586	normal	Wrong folder selection in Mailfilter configuration after deleting eMail folder
17587	normal	infostore - locked document unlock - panel all grayed out
17618	normal	window title branding disappears on new email
17652	normal	Send button does not fit in Wizard
17653	normal	Creating sub folders in shared IMAP-folder generates error message
17672	normal	Update using Updater - Outlook settings changed ..
17710	normal	window.document.title jumps back to default
17713	normal	Hand cursor shown for not clickable buttons
17714	normal	SQL error in webdesktop, SQL-Problem: "ResultSet is from Update. No Data"
17721	normal	Error message: "Missing UID item in FETCH response."
17722	normal	Renaming mail sub folder in connected pop3 account not possible
17735	normal	max open files not set for gw process on rhel and sles
17738	normal	"View source" windows can be made into iframes by closing it before content is loaded
17740	normal	Mail and Infostore quotas aren't displayed in "expert mode".
17746	normal	Subscription dialogue after password change isn't shown in user's language
17747	normal	"password has changed" dialogue for subscriptions should reference the "old password"
17751	normal	SiteName can not be used a second time after deletion
17753	normal	Wrong folder path in selected shared calendar
17762	normal	Permission to change password not available for "webmail" and "PIM" Access-Combination
17765	normal	Refresh needed for correct sorting of newly created folder names
17778	normal	customer translations contained in public packages
17786	normal	"Infostore hinzÃ¼fgen" available for webmail user
17824	normal	Operation with two or more SOAP Client leads to race condition errors
17848	normal	Wrong tab translation within "My Social OX" "Subscriptions" module
17855	normal	Email not selected in the embedded OX e-mail app framework
17173	minor	Space missing when displaying HTML-mails
17581	minor	Empty Trash displays wrong text
17583	minor	Duplicate scrollbars in mailfilter folder selection
17591	minor	Missleading error message while deleting crawler account
17616	minor	mobile-configuration-gui product name not branded
17619	minor	outlook wizard tab and settings not branded
17666	minor	mobile-configuration-gui product name not branded in wizard
17732	minor	Changing from a mail with an invitation to an appointment to an empty folder - invitation frame stays on the screen

To learn about all fixes coming with this version, please refer to the change log files provided with the software packages.

6. Known Issues

6.1. Known Issues - Open-Xchange Server 6

6.1.1. Functional Limitations

Confirmation Status for recurring Appointments

For recurring appointments the confirmation status can be set for the series as a whole, not for its single instances.

Appointment Reminders always individual

Reminders for an appointment are always individual. Even if someone schedules a group appointment, a potential reminder only applies for him/herself. Participants need to set their own reminder.

[Spanish, Dutch, Polish, Japanese] Import of MS Outlook CSV Exports

The Dutch, Spanish, Polish, and Japanese versions of MS Outlook export CSV files with different field names than in other languages. Such MS Outlook CSV Exports can currently not be imported as-is.

Changing the user password requires to re-authenticate for subscriptions

For some subscription services, user credentials for the service are stored in the OX6 server. For security reasons, these credentials are not stored as clear text but will be encrypted using the user's OX password. When a user changes his/her OX password, the decryption would not work anymore. Discussions about secure ways of an automated solution are still pending. For now this means that credentials for subscriptions need to be re-entered, after changing the OX6 user password.

6.1.2. Known Bugs of Severity blocker, critical, or major

Some issues have been reported when creating massive numbers of contexts or users at the same time. The effects still needs to be reproduced. Workaround: Reduce the number of user to be created at the same time to batches smaller than 500.000.

16879 - No Connection to WebDAV in Windows 7 (32- & 64-bit)

This is a known issue with Windows 7. Unfortunately, this bug cannot be fixed using one of the workaround suggestions: The digest authentication requires the server to be aware of the clear text password for a user. Since Open-Xchange server does not store clear text pass-

words for any user, the digest mechanism is impossible.
Alternative workarounds for this Windows issue will be evaluated.

14653 - Accepting/Declining an Appointment in OL2007 Generates "changed appointment" Mails

Fixing this issue in short term has high potential of other side effects. This will be addressed in a future major release.

17201 - Appointments with private flag in shared calendar aren't sent via WebDAV/XML

Private appointments in OX6 are limited to the owner of the respective calendar, i.e. there are no private group appointments and the private appointment is only visible in the owner's calendar.

If such appointments would be synchronized to 3rd party clients, e.g. MS Outlook, that client would allow to manipulate the appointment by shared users. Synchronizing back these modified private appointments would violate the OX6 privacy limitation. To avoid numerous synchronization errors, private appointments are not send out via the WebDAV/XML interface. Thus private appointments will not be visible to shared users when those use e.g. MS Outlook.

17871 - [IE7] Side Panel Scrollbar is Flickering

In some installations we have seen the scrollbar flickering, when moving the mouse or on other screen events. Reasons for this effect are being investigated. This only affects older version of Internet Explorer 7.

Workaround: Please update your browser from Internet Explorer 7 to Internet Explorer 8.

6.2. Known Issues - OXtender for MS Outlook

6.2.1. Functional Limitations

[MS Outlook 2003] Appointment confirmation

In MS Outlook 2003 setups we have seen deadlock situations after confirming an appointment or checking an appointment's status page. When closing the MS Outlook window, the Outlook application may reside in memory. If such situations occur, the user can close Outlook using the system's processes window. We strongly recommend updating to MS Outlook 2007 where this effect has been fixed.

[MS Outlook 2007] Reminders of recurring Appointments and their Exceptions

Reminders of a change exception of a recurring appointment won't show up in MS Outlook 2007 due to a limitation in MS Outlook. It's not possible to add reminders to exceptions of recurring appointments when the main series has been created with "no reminder" set. This is also described at <http://msdn.microsoft.com/en-us/library/ee204069.aspx> .

However, MS Outlook 2003 seems to be able to handle exceptions with reminders when the main series has no reminder set, so we still set the appropriate values into the exceptions, which results in the following behavior:

- MS Outlook 2003: same as seen in the groupware web interface
- MS Outlook 2007: reminders of exceptions not visible, when the main series was created with no reminder set

OXtender and iMip Attachments (Appointment Duplicates)

To become more compliant with calendar standards iCal (iTip, iMip), Open-Xchange Server v6.16 introduced a new handling for appointment notifications and provides attachments to notification mails. This conflicts with the way the OXtender for MS Outlook retrieves calendar data directly from the OX Server. To avoid appointment duplicates, the OX Server Administrator needs to make sure that appointment attachments for internal participants are disabled.

Private Appointments not visible in Shared Calendars

In OX6 private appointments are limited to the owner of the respective calendar, i.e. there are no private group appointments and the private appointment is only visible in the owner's calendar.

3rd party clients like MS Outlook would allow to manipulate the appointment by shared users. Synchronizing back these modified private appointments would violate the OX6 privacy limitation. To avoid numerous synchronization errors, private appointments are not send out via the WebDAV/XML interface. Thus private appointments will not be visible to shared users in MS Outlook.

6.2.2. Known Bugs of Severity blocker, critical, or major

15240 - An Exception of a recurring Appointment may get lost after moving it in Outlook

This effect may occur in cases where a recurring appointment is created in the Open-Xchange web front-end and later, in Outlook, the last instance of the series gets moved. For unknown reasons Outlook seems to send a Delete-exceptions and the last appointment of the series is still shown in Outlook shown but not in the OX web front-end any more.

Workaround: Create recurring appointments and their exceptions only in either environment, in the OX web front-end or in Outlook, and avoid switching environments when modifying the same series.

16166 - Group Appointment could not be deleted after Group Definition changed

Assume, an appointment had been scheduled for a group and thereafter an additional user is added to that group. Then that additional user may not be able to delete the appointment via MS Outlook.

Workaround: Delete the appointment using the OX Web GUI.

6.3. Known Issues - OXtender for Business Mobility

6.3.1. Functional Limitations

Private Mobile Phone Number isn't Synced

The EAS protocol used for the OXtender for Business Mobility only allows one field for mobile phone numbers. This field is currently mapped to "cellular_telephone1" "Mobile" on the "Business" tab. For future version of the OXtender we consider a solution where the private Mobile gets synchronized in case the business mobile number is empty.

Windows Phone 7 does not synchronize Tasks

This is a given limitation of Windows Phone 7.

6.3.2. Known Bugs of Severity blocker, critical, or major

17626 - [WP7] Unable to Respond to Invitation Mails with Windows Phone 7

Trying to respond to an invitation mail currently leads to the message: "Can't respond to meeting request. We could not send the response due to an unknown error. Contact your meeting organizer directly." Investigations are pending and this will be addressed with a future release.

17645 - Deleted Appointments from OX Web Interface still available in Android Calendar

This has been reported from an Samsung Galaxy Tab with Android 2.2. Investigations are pending and this will be addressed with a future release.