Open-Xchange

Server Edition for Univention Corporate Server &

Advanced Server Edition

v6.18.1

(includes OX6 v.6.18.0, OX6 v.6.18.1, UCS 2.4)

Release Notes 1.01

Release Date: 2010-12-14

Table of content

1.   About this Release

This release includes OX6 v6.18, OX6 v.6.18.1 and new versions of the OXtender for MS Outlook, the OX Updater, OXtender for Business Mobility and the latest Univention Corporate Server 2.4 version.

This release is feature complete and all significant bugs have been fixed unless documented in these release notes.

Warning:
Before installing this version in a production environment, please make sure that you understand the known limitations described of this document.

If you experience any misbehavior, please report bugs via our public Bugzilla:
http://bugs.open-xchange.com

Customers and partners with Extended Support please report through your dedicated support channel instead.

2.   Shipped Packages and Version

2.1.   Open-Xchange Server 6

Version: 6.18.1 Rev12 (2010-12-02)

The version number is the same for the OX groupware web front-end, the OX groupware back-end and the OX administration back-end.

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

The version number can be found
a) in the Login dialog
b) in the About dialog (Question icon in the upper right -> About)
c) the build number can be found at the About-Dialog of the Univention Directory Manager

2.2.   Integration Version

Version: 3.0.3-4

2.3.   Univention Corporate Server

Version: 2.4

The build number can be found at the About-Dialog of the Univention Directory Manager.

2.4.   OXtender for MS Outlook

Version: v6.18.6 (2010-10-13)

File name: OXtender_for_Microsoft_Outlook_<language>_6.18.6.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

2.5.   OX Client Updater

Version: v6.18.2 (2010-09-14)

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"

2.6. OXtender for Business Mobility

Version: v6.18.1

File names:
open-xchange-usm
open-xchange-eas

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

3. Installation instructions

3.1. Prerequisites

- Working internet connection
- The update can be applied to all OXSE for UCS or ASE releases
- Please enter your username/password first under the component called "OX" and activate it.
- The update requires a reboot

3.2. Installation steps for the v. 6.18.1

- To update a UCS 2.3-2 system with ASE / OXSE4UCS 6.16 to UCS 2.4, the following variables must be set before the update:

```
$ ucr set repository/online/component/ox/version=current \
      repository/online/component/oxseforucs/version=current
```

  The system can then be updated as usual for UCS using the univention-updater net command or the UMC module Online Update.

- Please enter your username/password first under the component called „OX" and activate it.
- In the online-updates module of UMC, under Release information, click on "Check for updates"
- Click on "Install this update"
- Under OX component, click on "Check for updates"
- Click on "Install this update"
- Reboot

4. New Features

Highlights in this release are:

4.1. Social OX - Publish & Subscribe

- Subscription of gmx.com®, MSN® and T-Online®
- Invitation Mails for Publications
- Enhanced subscribed Subfolder Creation
- Inbox Information in the Unified Mail overview
- Reload Function integrated into the Save Button
- Reload Button triggers Subscription Reload
- Folder-Icons for Twitter®, Facebook® and RSS
- Availability of Messaging Functionalities in the Panel
- Managing subscribed and published folders
- Select a template for published folder

4.2. Design Changes

- Convenient Category Assignment
- Convenient Folder Tree and Side Panel Design
- Alternative Folder Navigation Tree

4.3. VoIP-integration with VoipNow by 4PSA

- Call History for the VoipNow Plug-In

4.4. Features, Functions and general Improvements

- Significant Performance Improvements on Login
- Private Appointments at Shared Calendar
- Browser Tab Signals new E-Mail
- New iCal Behavior – Accept Handling by changed Participant
- Enhanced Calendar Team View Details
- Enhanced Calendar Team View Settings
- Polish as new supported Language
- Appointment Export via Right Mouse Button
- Appointment Creator at the Confirmation Dialog
- Displaying of e-mails "on behalf of $SENDER"
- Persistent Auto login / Enhanced Session handling
- Further Platform Enhancements for the OXtender 2 for MS Outlook®
- Security settings on Login
- Recursive subscription of IMAP subfolders

- Language and Time Zone Settings in the Wizard

4.5. Administration, Technical Extensions, Plug-In's, etc.

- Platform for the OXtender 2 for MS Outlook®
- Panel Section "Synchronization" is Plug-In-capable
- JavaScript Auto-Versioning
- Mobility Auto-Configuration Plug-In
- Configurable URL for Publish Functionality
- Configurable Auto-Complete Function
- Separate e-mail name
- User interface read only access
- Java 6 is officially supported
- Dovecot 2.0 is official supported

4.6. Open-Xchange OXtender for MS Outlook®

- Polish as new supported language
- Improved Error Messages for the Installer
- Bug Fixes
- Significant performance improvements when synchronizing calendars

4.7. Open-Xchange OXtender for Business Mobility

- Bug Fixes and Performance Improvements
- Platform support for
  - Android v2.1
  - Android v2.2
  - HTC Clients

4.8. Univention Corporate Server 2.4

Further information at
http://www.univention.de/fileadmin/produkte/pdf_dokumente/release-notes-2.4.pdf
http://www.univention.de/fileadmin/produkte/pdf_dokumente/changelog-2.4.pdf

- New administration module for administrating physical virtualisation systems and the virtual systems operating on them
- "Univention Virtual Machine Manager" is a tool for centrally administrating - including in clusters - virtual servers and clients, hard drives, CDROM and DVD images including the physical systems on which these are run.
- The hardware recognition during installation has been improved.
- The Linux kernel is now Version 2.6.32; alternatively, the kernel version 2.6.18, which has been supported since the release of UCS 2.0 can also still be used.

- The considerably further-developed management module "Online-Updates" now offers, among other things, an overview of the available releases and allows you to select to which version you would like to update.
- Samba has received an update from Version 3.3 to 3.5.4.
- Mozilla Firefox is now provided in Version 3.6.2
- OpenOffice.org in Version 3.2

4.9. Improved Online Update process for OXASE

The Online update module at the Univention Management Console allows the installation of release updates and security updates. Additionally, it also offers the possibility of installing licensed components at a later date. Further information regarding the process, are provided at the administration documentation.

5.   Major Changes

5.1.   For Developers - API Changes

5.1.1.   RMI

Change #277 – Alternative Folder Tree

The preferred folder tree of every user should be administrable.
The user object of the administration RMI interface has been extended by a new attribute named folderTree. Through that attribute the folder tree can be configured individually per user.

Valid values are currently null, 0 and 1.
- null does not touch the actual selected folder tree,
- 0 sets the OX standard folder tree and
- 1 sets the Outlook-like folder tree.

This is a backward compatible extension.

Change #386 - Enable/Disable OXtender 2 for MS Outlook

To enable/disable the OXtender 2 for MS Outlook, additional module permissions have been introduced. This includes:
- a new switch in the Admin CLT
- a new field in the RMI UserModuleAccess Objects
- a new bit in the UserConfiguration class

Please note: The release of the OXtender 2 for MS Outlook is scheduled for Q1-2011

5.1.2.   CLT – Command Line Tools

Change #277 – Alternative Folder Tree

The preferred folder tree of every user should be administrable.
The user object of the administration RMI interface has been extended by a new attribute named folderTree. Through that attribute the folder tree can be configured individually per user.
Valid values are currently null, 0 and 1.
- null does not touch the actual selected folder tree,
- 0 sets the OX standard folder tree and
- 1 sets the Outlook-like folder tree.

The attribute can also be set using the user centric CLTs through the new command line parameter --foldertree.

Change #349 - Context and User Creation via CSV Import

A new option has been introduced in the createuser and createcontext command line tools. The option looks as follows:

--csv-import <CSV file>

where <CSV file> is the full path to CSV file with user data to import. This option makes mandatory command line options obsolete, except credential options (if needed). But they have to be set in the CSV file.

With this option you can specify a csv file (a full pathname must be given) with the data that should be imported. The column names in the CSV file must be the same as the long-options of the command line tools, without the prefix "--".

This option will normally be used to fill new big installations with initial data. So instead of calling the command line tools in a shell script every time, just a csv file needs to be created, containing the whole data.

Note that the credentials of the masteradmin in the createcontext call must be given on the command line with the -A and -P options nevertheless - if authentication is enabled.

If the createuser command line tool is used, the credentials need to be part of the csv file, and cannot be set as options on the command line itself. The reason for this different behavior is that different contexts have different credentials for the admin user, so they must be set on each line in the csv file. In contrast to this the credentials of the masteradmin are always the same.

Change #386 - Enable/Disable OXtender 2 for MS Outlook

To provision whether the OXtender 2 for MS Outlook is available or not, the CLI tools concerning user administration have been enhanced. With the new option "access-olox20" permission can be granted for a specific user or context.
The default is off.

5.1.3. HTTP-API Changes/Extensions

Change #257 – Color Tags

The current data format of tags within the users configuration does not allow to be extended with colors. Therefore it needs to be migrated to a new data format. The UI will detect and migrate old tags automatically. The new location within the user configuration will be:

config.gui.categories.local = [Array of Objects]

It allows to store each tag/category as an object which can easily be extended later (e.g. for global tags). Right now the name is the identifier and it must be unique (case insensitive).

The new data format looks like:

```
[
{
name: the name of the tag/category [string]
color: the color id [number]
},
...
]
```

Currently 25 standard colors are predefined. These colors are static and cannot be changed by users. For developers though these colors have been implemented as themeable.
Note: After all former tags have been migrated; the old location 'gui.private_categories' is obsolete and will be deleted from the config! This may become interesting for developers accessing this string directly, even though this has never been recommended.

Theme developers need to add the new 26 color style attributes available from the default theme (default/global.css) to each theme! Otherwise colors will not show up properly.

Change #265 – New Request for Importing Mails

A new `action=import` has been introduced for the mail servlet JSON interface. This action is very similar to the `action=new` whereas the new action is only for storing mails in the OX mail backend and not for sending emails.

Therefore the parameter `folder` is always required to define the mail folder into that the emails should be imported. The parameter `src` is not used anymore and therefore removed. The parameters `flags` and `sessions` are the same.

The body of the import request must be multipart/form-data encoded. It should contain file items that all have different names and should contain the binary mail bodies as text/rfc822.

This is a backward compatible extension of the HTTP API.

Change #283 – UUID for Distribution List Members

A new client extension requires UUIDs of distribution list members. The field "id" of a distribution list member record had been ambiguous and could not be used. The HTTP API defined the field "id" of a distribution list member as "User ID of the member if the member is an existing Contact.". But not all Contacts are also Users and such may not have a User ID. The GUI behavior had been inconsistent: The GUI sent a User ID, and only if that was not available, a Contact ID.

This change now specifies the field uniquely as a Contact ID, resolving the ambiguity, and updates the GUI behavior. The server behavior has not changed because the server keeps storing the data received from the HPPT API call.

Please note: This is a backwards-incompatible change affecting custom clients. Existing distribution lists with internal users will use the wrong contacts until corrected manually. Only custom clients that evaluate the field "id" are affected (the OX Web Front-end, for example, is not affected).

Change #279 - Default in Wizard Configuration File

The wizard contained a misleading default in its configuration file.
The file settings/open-xchange-gui-wizard-plugin.properties should contain a key ending with "/module", which allows disabling of the wizard by changing its value from true to false. Any other key (including the current "/show") is misleading because it will not prevent the wizard from being loaded.

Change #286 – Path to Web Server for EasyLogin

The path to the UI can now be passed as a parameter to the easy login process (see also change #285 under configuration changes).
The redirect action of the login servlet now understands an additional optional parameter. It is named uiWebPath can contain the path on the web server where the UI is stored and to which the redirect request should redirect the browser.

Change #293 - Default for "from"-Headers of Notification Mails

Some customer setups require that the "from" header in notification mails is the default sender address rather than the primary mail address.
For better flexibility, the property 'com.openexchange.notification.fromSource' has been added to the configuration file 'notification.properties'. It configures which of the user's mail address should be used for the "from" header of notification mails.

Valid values are:
- 'primaryMail' - the primary mail address of the user
- 'defaultSenderAddress' - the default sender address selected by the user from the list of aliases

Change #294 - Removing default JCS from mailcache.ccf

The default JCS configuration from the 'mailcache.ccf' configuration file has been removed since it had been redundant to the configuration in 'cache.ccf' configuration file.

Change #314 - window.parent vs. window.opener for file download dialogs (Implementation Change)

A file download dialog can either be opened in a new window or in an iFrame. In case of an error, the JavaScript returned by the OX server needs to decide at runtime whether to access the main groupware context as window.parent or as window.opener.
Some custom requests though statically used opener, others statically used parent instead of leaving the decision to the returned JavaScript code.
The JavaScript code returned by the OX server has changed, and custom non-browser clients that try to extract JSON data from the returned HTML via an unnecessarily restrictive regular expression might break. The recommended pattern to look for was and still is '({' and '})'.

Change #315 - Consistent JSON Attributes across various Requests

Some attributes values for objects in the JSON response have not been consistent over all different request types. This needs to be made consistent for reliable client operation. In detail the following values have changed:

- Appointments - number_of_attachments:
This value will never be null anymore, because that value always exists. The request types ALL, LIST and UPDATES returned that attribute as NULL. Now possible values are ZERO or a higher integer number.

- Appointments - recurrence_id and recurrence_position
These attributes only have values if the appointment is a recurring appointment (series). The request types ALL, LIST and UPDATES always returned ZERO if the value was empty. Instead the value must be NULL to be consistent with the value of the GET request type. Please check if client code is capable to deal with NULL values for these attributes.

- Contacts - number_of_images:
Either the contact does have a contact image or it does not. The JSON object of the GET request now always contains number_of_images containing, which has to be either 0 or 1. The attribute was missing before. The column values of ALL, LIST and UPDATES requests have been fine before.

- Contacts - file_as:
This attribute was only contained in the column values of ALL, LIST and UP-
DATES requests. Now the JSON object of the GET request may contain that at-
tribute, too, if it contains some value.

- Contacts - default_address:
The column attribute value can now be NULL if the attribute is not defined for
the contact. Before it was always 0 or greater. This applies to ALL, LIST and UP-
DATES requests. The JSON object of the GET request already contained the at-
tribute only if it was defined.

Change #325 - Timeout for Sun LDAP Connection Pool

In some customer environments we noticed that the sun ldap connection pool
seems to get problems with the connection handling. Therefore adjusting the sun
internal property "com.sun.jndi.ldap.connect.pool.timeout" is needed, which in-
fluences the timeout after which connections are removed from the pool.

The example configs will get a new value specifying the value for the property
"com.sun.jndi.ldap.connect.pool.timeout".

The file LDAPglobal.properties.example will get the entry

Specify the timeout of one connection in the pool here
com.openexchange.contacts.ldap.context111.LDAPglobal.pooltimeout=

and the file LDAPglobal1.properties.example will get the entry

Specify the timeout of one connection in the pool here
com.openexchange.contacts.ldap.context111.LDAPglobal1.pooltimeout=

Please note that these config files are example files. So there's no real config
file.

The former default value for the property of an unlimited timeout remains un-
touched. So this property must be set explicitly.

Change #326 - De-Referencing LDAP Aliases (Sun Environments)

In some customer environments we experienced difficulties with the Sun default
handling for dereferencing aliases in ldap. Sun's default is to always dereference
aliases, but this seems to cause problems in some environments. Also the com-
mand line tool ldapsearch behaves differently by not dereferencing aliases. So
this has been made adjustable.

The example configs will get a new value specifying how to dereference aliases

The file LDAPglobal.properties.example will get the entry

```
# Specify how aliases are de-referenced. This value influences the property
# "java.naming.ldap.derefAliases" of the underlying sun ldap implementation. #
The allowed values are: "always", "never", "finding" and "searching"
# Please see http://java.sun.com/products/jndi/tutorial/ldap/misc/aliases.html
# for details
com.openexchange.contacts.ldap.context111.LDAPglobal.derefAliases=
```

and the file LDAPglobal1.properties.example will get the entry

```
# Specify how aliases are de-referenced. This value influences the property
# "java.naming.ldap.derefAliases" of the underlying sun ldap implementation.
# The allowed values are: "always", "never", "finding" and "searching"
# Please see http://java.sun.com/products/jndi/tutorial/ldap/misc/aliases.html
# for details
com.openexchange.contacts.ldap.context111.LDAPglobal1.derefAliases=
```

Please note that these config files are example files. There's no real config file.

The default value of the setting remains untouched, so the property must be set explicitly.

Change #330 - Custom Time Zone Definitions

For the OX back-end the set of available time zones is predefined by the Java virtual machine. Certain clients though e.g. MS Outlook may use a different set of time zones definitions (texts).

To avoid the maintenance of multiple definitions, the preferences tree has been extended with a new key 'availableTimeZones'. This key contains a JSON object carrying the set of available time zones on the back-end server. The JSON object carries the time zone identifier as a key and the user specific translation as its value.

This change is backwards compatible. With custom clients that keep using their own definition set, the backend may not know the time zone text though and then fall back to the default text and the default translation.
This extension has no potential side effects; it only eases maintaining time zone identifier lists and their translations.

Change #337/343 - Displaying Private Appointments in Shared Folders as a Block

To make it easier finding potential time slots when planning an appointment, shared appointment folders should display private appointments as blocks (without displaying any further information of course).

To ensure this,
1. the "**all**" request gets a new, optional parameter "showPrivate"
2. the "**updates**" request gets a new, optional parameter "showPrivate".

The parameter is optional and defaults to "false", so old clients will keep working as they were. Only clients that explicitly set this parameter to "true" will display blocks in shared calendar views. Therefore, this is backwards compatible.

Change #383 - "All"–Request to collect all publications and subscriptions

Due to the new feature to list all publications/subscriptions for a user the "all requests" needs to be extended. This requirement causes a change of the "all requests" of subscriptions and publications in the HTTP API.

Publications:
If you send the all request without the attributes "folder" and "entityModule" you will retrieve all publications of the user who sent the request. If you send the request without "folder" but with "entityModule" you will retrieve all publications in that module.

Subscriptions:
If you send the all request without the attribute "folder" you will retrieve all subscriptions of the user who sent the request.

Until now a subscription- or publication-all-request was only valid if it contained a folder id. Because of changing only this behavior we stay backward compatible to existing all-requests.

Change #395 - Repeated Appointment Reminders

The time of an appointment reminder needs to be updated when user hits the "remind again" button. Therefore a new AJAX request has been introduced which performs this operation. The request is described here:

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

Changes #411, #412 - Client Parameter for Action-Calls, supporting

Auto-Login

In order to allow the autologin feature to be used by clients relying on the action=redirect call to provide needed cookies, the "client" parameter as usually passed by clients to the action=login call should also be passed to the action=redirect (or action=redeem) call. The value of this parameter should be the same as for action=redirect calls and later calls to action=autologin. It is advisable to use "com.openexchange.ox.gui.dhtml" when creating a session to be used with the web front-end.

A "store" parameter, when present, is forwarded to the UI and, when set to

---

"true", will make the UI issue a "store" request to persist the session in the browsers cookie store for later recreation by an autologin call.

Note: This change has already been introduced as part of a PTF for v6.18.0.

Change #414 - "updates" Requests for Groups and Resources

To support the OXtender 2 for MS Outlook, "updates" requests need to work for both, groups and resources, showing which resources or groups are new, modified or have been deleted since a timestamp

The HTTP API for both, resources and groups has been extended by an "updates" action that takes a timestamp and returns a list of elements that have been created, modified or deleted since that timestamp. These requests work similar to all other "updates" requests.

Change 423 - Login Optimization

To reduce the number of separate HTTP requests during login, the /ajax/user interface is extended by making the user ID parameter optional with a default of the currently logged in user.
For action=get the parameter id can be left out completely.
For action=list the array in the request body can contain the value null.

This is a backwards-compatible change.

Change #422 - Mail Filter API for new Session Handling

Due to the new session handling it has become necessary to send the session id as parameter "session" with every mail filter request.

Since the admin mode does not exist any longer, sieve and imap admins are authenticated by a normal groupware session. This causes the necessity to send the session parameter within every mail filter request, no matter if the request comes from an admin or a normal groupware user.

Note: This change has already been introduced with v6.18.0.

Change #442 – API to Recover wrong Passwords for Encryption

When switching encryption schemes (as per secret bundle) in an installed base, encrypted strings must be migrated from the old encryption scheme to the new one. To that end a new server side module (secret/recovery) has been added to allow clients to diagnose the state of a users encrypted strings (i.e. whether they can be decrypted) and migrate from an old secret to the current one. The interface offers two actions:

`GET /ajax/secret/recovery?action=check`

- `session` The SessionID previously obtained from the login call

Response: An object with the key `secretWorks` set either to `true` if all encrypted strings could be decrypted and no further migration is necessary or `false` otherwise.

```
GET /ajax/secret/recovery?action=migrate
```
- `session` The SessionID previously obtained form the login call
- `password` The secret the strings are currently encoded with. Typically either the current or old user password (depending on the OX installation).

Response: 1 on success, an error otherwise.

Clients can check the availability of this module by looking for the configuration key `modules/com.openexchange.secret.recovery/module`.

No side effects are expected from this change, as this is a new call.

Change #444 – API for "Final Contacts"

A preliminary API for Final Contacts (which allows two contacts to be marked for describing the same person) has been added.
It introduces a set of requests for the contact HTTP API that allows the linking of several contacts in case they describe the same person. These are the additional actions `associate`, `dissociate`, `getAssociated`, `getAssociation`, `getByUUID`.
The API is in preview state and as such is subject to change. The details of the implementation are described as part of the OX6 HTTP API.

Change #446 - Full URL for EasyLogin required

Due to URL fragments not being passed from the browser to the backend, the URL to be redirected to for EasyLogin enabled sites has to be moved from the fragment to a regular POST parameter.
With the old, client-side EasyLogin scheme, URL fragments could be used to redirect the browser to a specific page. Since now the server needs to process the URL (adding the sessionID for example), the URL itself must be passed to the server. The parameter is called "uiWebPath".

Change #447 - User-specific Provisioning Information

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 on a per-user basis. 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.

Note: This change has been introduced with v6.16.

Change #465 – Correction of the Folder Permission Bits 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 either be 1 or 0. This bit indicates whether the folder allows additional user flags on mails or not.

5.1.4. Changes of Front-End Customizations

Change #253 – Icons for Messaging Services Folders

The folder tree should use service-specific icons for messaging folders.

Instead of the generic messaging icon introduced in Software Change Request 234, each messaging service can now use a service-specific icon. The three messaging services implemented so far introduce the icons
    img/folder/twitter.png,
    img/folder/facebook.png, and
    img/folder/rss.png.

The icon
    img/folder/messaging.gif
introduced in 6.16 is used in case a new service does not define its own icon.

Please note: This is a backwards-incompatible change, since all themes need to add the three new icons, otherwise the MS Internet Explorer (IE) will display ugly "image-not-found" placeholders.

Change #342 - Colors of folder headlines

In certain environments, the folder headline was shown in light grey on a light grey background, making it invisible in some themes.

A font color was specified using a dynamically generated unique ID. Since this can (and did) break with changes in the HTML structure, the CSS selector "#d6e6" at the end of css/global.css has been replaced with ".font-color-folder-header".

Please note: This is a backwards-incompatible change. All themes must apply this change; otherwise the font color of the parent (selector ".font-color-header") is applied instead.

Change #428 - Icons and Bitmaps for new Folder Tree and Pop-Ups

The new folder tree and the new popup windows require a few minor CSS theme changes and a few new and changed images.

The following list contains all new images to the default theme and must be added to every other customized theme:

```
themes/default/img/arrows/arrow_double_white_left.gif
themes/default/img/border/spback.gif
themes/default/img/folder/mod_foldertree.gif
themes/default/img/toolbar/toolbar30.png
```

The following list contains all changed images and they must be replaced in every other customized theme:

```
themes/default/img/arrows/arrow_double_gray_left.gif
themes/default/img/arrows/arrow_double_gray_right.gif
themes/default/img/contacts/mod_contacts.gif
themes/default/img/folder/shared.gif
themes/default/img/infostore/mod_infostore.gif
themes/default/img/mail/mod_mail.gif
themes/default/img/portal/mod_portal.gif
```

The following CSS files contain new elements.

In themes/default/css/bgimages.css add the following code to the bottom of the file:

```
.sp-toggle
{
background-image:url(../img/border/spback.gif);
}
```

In themes/default/css/global.css add the following code to the bottom of the file:

```
.busy-spinner-white {
background-color: white;
background-image: url(../img/ox_animated_white.gif);
background-position: center center;
background-repeat: no-repeat;
}
```

The CSS file themes/default/css/popup.css has to be merged or replaced with the new version. All changes you have done to the file have to be merged or done again.

5.1.5. MAL – Mail Abstraction Layer

Change #376 - Override of Password Check

For MAL implementations it is required to override the formerly final method checkFieldsBeforeConnect() in com.openexchange.mail.api.MailAccess class.

A missing password is typically checked by the default method above and causes an exception being thrown.

A specific MAL implementation though may have to deal with an OX session not containing a password. By allowing to override this method, this check can be disabled, allowing the MAL implementation to establish a connection without a password set.

Please Note: By overriding this method you may introduce a safety gap.

5.2. For Administrators

5.2.1. DB Schema Changes and Update Tasks

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

This chapter describes all tasks required for updates from v6.16 to v6.17/v6.18.

Change 249 – New Table to Track reserved File Names

To track reserved file names between multiple machines of a cluster, a table had to be to be introduced:

> infostoreReservedPaths

A new UpdateTask and a new CreateTableService has been added to create the new database table in which the groupware temporarily tracks reserved file names. This is a new table and should not cause any side effects.

Change #267 – Alternative Folder Tree

The folder tree should be selectable for every user. The value for the selected folder tree must be stored persistently.
The table 'user_setting_server' has been extended by a new column. That column is named 'folderTree'. It stores the selected folder tree for every user. The default value can be NULL.
Therefore this is a backwards-compatible extension of the database schema.

Change #336 - Enable/Disable Publish and Subscribe Services

To enable Pub/Sub usability features, a new field has been added to the database denoting whether a certain subscription or publication is considered enabled or not. The new column is called "enabled" and will be added to both the table "subscriptions" and "publications".
Since just a new column has been added, there are no side effects to be expected.

Change #443 – Table for Improving Performance of "Final Contacts"

Final Contacts needs a database table to track which contact records describe the same person. This basically maps the UUIDs of two contacts together.

The table `aggregatingContacts` has been introduced, which links two contacts by their UUIDs in case they are marked as describing the same person (e.g. one from a Facebook subscription and one from a LinkedIn subscription).

5.2.2. Changed Configuration Files

Change #251 – Replacing Importer/Exporter Configuration Files

The configuration of the Importers and Exporters has been removed. This had been done using the Spring framework by editing importExporter.xml

We found that this was not used and the more pressing issue of configuring the import of Outlook CSV files in different languages and versions in now addressed via the importCSV/*.properties files.

Change #266 – Default Folder Tree

OX6 now offers two folder trees for navigation. The OX standard folder and a newly introduced folder tree where unbound (type-free) folders can be created to organize e.g. projects.

Users will be able to select their preferred folder tree. The default folder tree - if the user has not made a selection – is configurable by the system administrator for the whole context setup.

The groupware configuration file
'/opt/open-xchange/etc/groupware/user.properties' has been extended by a new property. That property is named 'com.openexchange.folder.tree'. It defines the default folder tree if the user has not selected one.

Valid values are currently
0 for the classic OX folder tree and
1 for the new folder tree.

If this property is not defined, the OX folder tree will be used by default. Therefore this is a backwards-compatible extension.

Change 279 – Wizard Configuration

The wizard contained a misleading default in its configuration file.
The file settings/open-xchange-gui-wizard-plugin.properties should contain a key ending with /module, which allows disabling the wizard by changing its value from true to false.
Other keys (including the former "/show") were misleading because they did not prevent the wizard from being loaded.

Change 282 – New Distribution Models / Module Permissions

The new distribution models for Open-Xchange Server require to correct the feature sets predefined when creating/provisioning users.

Some new feature sets have been defined that ease creating users. These feature sets are:

- webmail
- pim
- pim_infostore
- pim_mobility
- groupware_standard
- groupware_premium

Please note: The former feature sets webmail_plus, pim_plus, group-ware, groupware_plus and premium have been deprecated.

The feature sets still contain all feature bits enabled.

The new feature sets are defined as follows:
- webmail=webmail, contacts, globaladdressbookdisabled, collectemailad-dresses
- pim=webmail, calendar, contacts, tasks, globaladdressbookdisabled, collec-temailaddresses, multiplemailaccounts, subscription, publication
- pim_infostore=webmail, calendar, contacts, tasks, infostore, webdav, globaladdressbookdisabled, collectemailaddresses, multiplemailaccounts, subscription, publication
  pim_mobility=webmail, calendar, contacts, tasks, syncml, usm, active-sync, globaladdressbookdisabled, collectemailaddresses, multiplemailac-counts, subscription, publication
  # Groupware Standard always gets new features except mobility and OX-tender.
- groupware_standard=webmail, calendar, contacts, infostore, tasks, web-dav, ical, vcard, readcreatesharedfolders, delegatetask, editpublicfolders, editgroup, editresource, editpassword, collectemailaddresses, multiple-mailaccounts, subscription, publication
- groupware_premium=webmail, calendar, contacts, infostore, tasks, web-dav, webdavxml, ical, vcard, syncml, usm, activesync, readcreateshared-folders, delegatetask, editpublicfolders, editgroup, editresource, edit-password, collectemailaddresses, multiplemailaccounts, subscription, publication

Change 285 – Path to Web Server for EasyLogin

The path to the UI on the web server may not be located directly under / there-fore needs to be configurable. Some hosters want to put present a landing page or have additional content on the web server and not only the OX6 UI. The new EasyLogin implementation relies on the redirect action of the login servlet requir-ing a configurable path of the UI.
The server.properties configuration file is extended by a new property named com.openexchange.UIWebPath. That property contains the path to the UI on the web server. By default that path is /ox6/index.html. This is the default installa-tion location of the UI.

The notification.properties configuration file gets a new default for the ob-ject_link. A new token is introduced there named [uiwebpath] and it is by default

part of the object_link. That token is replaced by the content of the property com.openexchange.UIWebPath. This eases administration because the UI web path can be configured only in one place.

The EasyLogin gets an additional parameter. This parameter can carry the path to the UI on the web server. This parameter is passed to the redirect action of the login servlet that now understands the same parameter.

Change #304 - Removing unused Comments from javamail.properties

The file /opt/open-xchange/etc/groupware/javamail.properties
contained comments looking like configuration parameters for SMTP, IMAP, or POP3 connections.
They had just been ideas and even if uncommented, the Open-Xchange Server would never interpret these parameters. To avoid any confusion, these lines including their additional comments have now been removed:

#mail.smtp.socketFactory.class=
#mail.smtp.socketFactory.fallback=
#mail.smtp.socketFactory.port=
#mail.smtp.starttls.enable=
#mail.imap.starttls.enable=
#mail.imap.socketFactory.class=
#mail.imap.socketFactory.fallback=
#mail.imap.socketFactory.port=
#mail.pop3.socketFactory.class=
#mail.pop3.socketFactory.fallback=
#mail.pop3.socketFactory.port=

Note: It is not possible to automatically remove these lines from existing configuration files by postinst as they are all just comments. To avoid future confusion, we recommend deleting such lines manually.

Change #305 - Timeout for Mail Filter Connections

In some customer configuration we experienced timeout stack traces for the mail filter connection. For more flexibility a timeout configuration parameter is being introduced to address different customer scenarios.

In the file /opt/open-xchange/etc/groupware/mailfilter.properties the new line:

# Specifies when the connection should time out (value in milliseconds)
com.openexchange.mail.filter.connectionTimeout=30000

will be introduced. The timeout value of 30000ms is the same as formerly hard-coded value. So in the default configuration the behavior will remain unchanged.

This timeout will then be used as replacement of the original hard-coded value.

Change #308 - Additional HTML tags whitelisted

The following tags have been added to whitelist.properties to be accepted for HTML mails: <dl>, <dt>, <dd>

Change #319 - IMAP Login Name Delimiter to Support Mail Push

The mail push bundle does not work when the IMAP login does not match the open-xchange internal user login. On some systems like OXAE, the imap login consists of the login + @domainname.

A new, optional parameter has been introduced in the config file
push_mailnotify.properties:
com.openexchange.push.mail.notify.imap_login_delimiter

If set, every part after and including the delimiter will be cut off from the
imap login as send from the imap server. This might be used in setups where
imap login contains a domain part like foo@example.com. The delimiter must be set
to "@" in that case.
leave commented when not needed
#com.openexchange.push.mail.notify.imap_login_delimiter=@

Change #329 - Creation Date Field for AD Contacts Mapping

Only for customers using contacts-ldap and ADS:

In the mapping file for Active Directory the mapping field for creation date was missing. As a result, you will get an error if the modification date for an object in your Active Directory tree isn't available, and thus the creation date is used as fallback.

In the file mapping.ads.properties.example
the value for com.openexchange.contacts.ldap.mapping.ads.creationdate
needs to be changed from
com.openexchange.contacts.ldap.mapping.ads.creationdate =
to
com.openexchange.contacts.ldap.mapping.ads.creationdate = whenCreated

Change #334 - Auto-Login and Lifetime of Session Cookies

The new session handling requires new parameters:
One governing whether the autologin feature will be active,
the other governing the time-to-live of cookies used for autologin, i.e. the time the browser remembers its session.

The file sessiond.properties contains a new flag

    com.openexchange.sessiond.autologin

with admissible values "true" or "false".
If set to "true" the autologin feature (reopening sessions after the in memory state of the client has been wiped from RAM, typically either by closing the UI in the browser or reloading the UI) is enabled, otherwise it is disabled. This defaults to true as to minimize impact on existing installations, as in previous versions of the Open-Xchange Groupware this feature was always enabled.

The second parameter is:

    com.openexchange.sessiond.cookie.ttl

which governs the lifetime of the session cookies. If, and only if, the autologin feature is enabled the lifetime of both the secret cookie and the session cookie will be set according to this setting. Admissible values contain a value and a unit of measurement. Units of measurement are "W" for week, d for day or h for hour. 12h would denote 12 hours, 12W would denote 12 weeks.
Default is one week.

Change #335 - Additional Parameter to support for MSN subscriptions

An additional parameter has been introduced in the in configuration file "crawler.properties":

com.openexchange.subscribe.crawler.msn.de=true

This is an entry into the whitelist of active crawlers;
"true" meaning the respective crawler will be enabled on the system.

If the entry were missing, nothing bad would happen; the respective crawler just would not be enabled (same as setting it to "false").

Change #341 - Auto-complete Search across all Address Folders

The configuration file 'contact.properties' has been extended with a new parameter. This parameter defines whether the auto-complete search considers all readable contact folders or only the user's standard contact folder, his collected addresses folder and the global address book.

The parameter is named
    'com.openexchange.contacts.allFoldersForAutoComplete'.
Possible values are 'true' and 'false'.
'true' is the default and means the auto complete search considers all readable contact folders.
Default: If this parameter is not configured, all readable folders will be searched.

Please note: To lower the load on the database server with contexts containing many users and/or many contacts, it is recommend to limit the auto-complete search to the three folders mentioned above.

Change #347 - GUI Versioning to Spare Clearing Browser Caches after each Update

To make GUI upgrades more transparent for end users, the GUI now implements a new internal versioning mechanism. This removes the need for end users to clear their browser caches after each upgrade.

The versioning mechanism inserts a virtual subdirectory into URLs of static content, which is installed on the web server (as opposed to data which is generated by the application server, which is never cached anyway). Since the files on the web server are installed in the same place as before, without this virtual directory, the web server must remove it from URLs before attempting to find the files on disk.

GUI plug-ins should also start using the new virtual directory. This mainly affects image URLs used for buttons and other icons. The built-in function getFullImgSrc() automatically uses the new directory, but image URLs relative to the plug-ins directory must be processed by the new function urlify() before being used.

Please note: Although custom GUI Plug-Ins for OX6 will keep working after this change, we recommend adopting this change.

For administrators:
Please also refer to Change #347 in the "Packaging" section below.

Change #360 - URL Namespace for SOAP

The new SOAP framework needs its own url namespace, requests directed at which will have to be forwarded to the OX back-end. These are configured like other namespaces (e.g. /ajax, /webdav, /publications).

For example, when using mod_proxy AJP, a new configuration like the following would have to be added:

<Proxy /webservices>
ProxyPass balancer://oxcluster/webservices
</Proxy>

Change #362 - Standard Mail Folder Names for Polish and Japanese

Japanese and Polish translations for default mail folder names (Trash, Sent, Drafts, ...) have been added to the properties file "User.properties".
This way, when creating a user with one of these locales, their default mail folders will be named in their language.

Change #367 - Limit for Number of Objects to be synchronized per Call

With a new configurations property you may now limit the number of objects with are synchronized as part of one sync-call (when send from the OX Server).

To prevent from OutOfMemory effects the synchronization system has been extended such that the number of objects sent from the OX Server, the size of an e-mail, and the number of attachments of a PIM object can be limited.

In case the limit would be reached when sending objects to the client, the number of objects sent will automatically be reduced.
Though to avoid infinite sync loops, at least one action will always be sent to the client (unless the client has explicitly specified a limit of 0).

These two limits only affect new objects and changed objects. Deletions are not affected since only the respective UUIDs need to be transferred.

Default values for the new properties are:

Number of objects: 0 (means no server limit regarding the number of objects)
Mail size: 2 MB
Number of PIM attachments: 5

Sample from the property file:

```
# Defines a hard limit on syncInit and syncUpdate that will never be
exceeded by server replies regardless of client parameters.
# The limit will be respected even if the client sent no limit. A value
of <=0 means no hard limit (default: 0)
com.openexchange.usm.json.sync.limit.objects=0

# Defines a limit in bytes of accumulated email sizes that may be
transmitted from the server to client in 1 syncInit/syncUpdate call
# This limit is in addition to the object count limit and any optional
limit provided by clients. Only whole emails are synced and at least
# 1 email will be transmitted (unless the client specified a limit of 0
objects to transmit), default is 2 MByte.
com.openexchange.usm.json.sync.limit.email_size=2097152

# Defines a limit regarding the number of attachments that will be
transmitted in 1 syncInit/syncUpdate. Note that for this
# limit only main objects of appointment series are counted (exceptions
to a series will be always transmitted). At least 1
# PIM object will be reported even if this contains more attachments
than specified in the limit, default value is 5 attachments
com.openexchange.usm.json.sync.limit.pim_attachment_count=5
```

Change #369 - Whitelisting for IP Ranges

When deployed as a backend to a service cluster, it can be useful to use the same user session from different machines. For this, the IP check has to be disabled for certain address ranges.

In some scenarios it makes sense to use a single user session from different clients, say in a service cluster that is in turned backed by an OX cluster. Conventionally an OX session would have to be created per node in the service cluster, so as not to fail the IP check. To enable the service cluster nodes to share a session (and thereby save resources on the OX cluster), a whitelisting option has been added to disable the IP check for certain IP ranges.

To enable this functionality, a file "noipcheck.cnf" has to be added to the configuration path. Each line in the configuration file should contain either a single IP address (e.g. 192.168.32.99) or an IP range (192.168.32.100 - 192.168.32.200). Addresses that match either single addresses or the ranges (with the boundaries considered as part of the range, so 192.168.32.100 and 192.168.32.200 would also match) are exempt from the IP check.

Note though, that clients MUST still supply both the sessionID in the URL and the secret cookie, and, in cluster setups the JVM route either through the JSESSIONID cookie of a modified URL.

Change #371 - Increase of Java MaxPermSize required

Beta testers reported that Open-Xchange Server ran out of PermGen space during class loading. This can be solved by an additional Java start-up option

    "-XX:MaxPermSize=128M"

in both the files

    "open-xchange/server/conf/groupware/ox-scriptconf.sh.in" and
    "open-xchange-admin-plugin-hosting/sbin/oxinstaller.in".

Change #378 -
A new option has been introduced to 'imap.properties' whether client's IP address should be propagated by a NOOP command; e.g. "A01 NOOP <CLIENT_IP>". This feature was requested by a customer with a lawful interception tool integrated into his IMAP system.

The Property file
    'imap.properties'

has been extended by the option

    'com.openexchange.imap.propagateClientIPAddress'

which is false by default.
Moreover this option only affects the primary IMAP mail account. External IMAP accounts are not considered.

Change #354 - Including Client's IP Address in Mail Headers

Since OX6 v6.18.0 the client's IP address will be added to mail headers of outgoing mails.
As such additional data may affect privacy concerns (legal issue), a configuration option has been added to 'mail.properties' file:

> com.openexchange.mail.addClientIPAddress

Default value: false (IP address is not added)

Thus customers/administrators can now determine whether the client IP address will be included in mail headers or not.

Change #385 - Enable/Disable future OXtender 2 for MS Outlook

The file
`/opt/open-xchange/etc/admindaemon/ModuleAccessDefinitions.properties`
has been enhanced by option "olox20" to let administrators enable/disable access to the upcoming OXtender 2 for MS Outlook.

Change #387, #392 - Password Source for the Mail Filter Bundle

In the mail subsystem of the open-xchange groupware it was possible since some time to change the source for the password between a global defined password and the password from the session of the user. With this change the possibility to change this setting will also be introduced into the mail filter bundle. The configuration of the mail filter part will be done with two parameters in the same way like in the mail subsystem.

Thus the following settings are added into the property file /opt/open-xchange/etc/groupware/mailfilter.properties:

```
# Set the password source; meaning which source is taken to determine a user's
# password to login into mail filter system. If 'session' is set, then user's individual
# system's password is taken. If 'global' is set, then the value specified through
# property 'com.openexchange.mail.filter.masterPassword' is taken.
# Currently known values: session and global
com.openexchange.mail.filter.passwordSource=session
# The master password for mail/transport server. Only takes effect when property
# "com.openexchange.mail.filter.passwordSource" is set to "global"
com.openexchange.mail.filter.masterPassword=
```

Change #394 - adsBind and Referral for LDAP

Two new options *adsBind* and *referral* have been introduced to the configuration file /opt/open-xchange/etc/groupware/ldapauth.properties of the package open-xchange-authentication-ldap.

When enabling *adsBind*, it is possible to login using the Windows domain logon form DOMAIN\LOGINID or the displayName as configured in Active Directory.

The new option *referral* might also be useful in other LDAP server setups. This option configures how to handle the chasing of referrals in LDAP (see http://java.sun.com/products/jndi/tutorial/ldap/referral/overview.html).

Change #398 - New Twitter Authentication

The access from OX6 to Twitter has stopped working after Twitter has switched their authentication method from basic auth to OAuth.

In order to support the OAuth mechanism to authenticate a twitter account, a consumer key/consumer secret pair belonging to a registered application is needed. These tokens are now kept in "twitter.properties" file in following properties:
- com.openexchange.twitter.consumerKey
- com.openexchange.twitter.consumerSecret

Currently there are no default values.

Change #400 - Example Mapping File for openldap

The correct LDAP fields for lastmodified and creationdate had not been set in the example mapping file for openldap. This has been changed to support out-of-the-box solutions. Thus in the file

```
/opt/open-xchange/etc/groupware/contacts-
ldap/mapping.openldap.properties.example
```

the values:

```
com.openexchange.contacts.ldap.mapping.openldap.lastmodified =
com.openexchange.contacts.ldap.mapping.openldap.creationdate =
```

are changed to:

```
com.openexchange.contacts.ldap.mapping.openldap.lastmodified = modifyTime-
stamp
com.openexchange.contacts.ldap.mapping.openldap.creationdate = createTime-
stamp
```

Change #409/#410 - Default for EasyLogin to Support new Security Options

The new session handling requires that a user turns "on" the autologin feature explicitly. Users of Easylogin have to be able to specify this option. To remain backwards compatible a default for the value must be specifiable.

The Autologin feature calculates the session cookies name from (among other things) a client parameter supplied by the client to identify itself. This parameter has to be the same when creating a session (or activating it via action=redirect) and when reconstructing a session (via action=autologin). The default client to assume can also be specified in the configuration file. It's advisable to set this to "com.openexchange.ox.gui.dhtml" as that is how the front-end identifies itself. The easylogin.properties contains new settings:

```
# GET/POST variable name for the autologin name
com.openexchange.easylogin.autologinPara = autologin

# Default to assume for the autologin parameter. Setting this to true may be
a security risk for clients using unsafe computers.
com.openexchange.easylogin.autologin.default = false

# The default client to assume. This is used to discover an old session
com.openexchange.easylogin.defaultClient=com.openexchange.ox.gui.dhtml
```

Change # 426 - HTML and CSS White-Listing for Publications

Whitelisting for Publish/Subscribe used the very restrictive mail rules. After a fix to the html bundle, these rules for can now be customized separately. Whitelisting of html and css elements for Publications can now be done separately from the whitelisting for e-mails. To enable this, a new whitelisting file named `microformatWhitelist.properties` has been introduced.

Change #449 – Multicast UDP communication for mail push

The `com.openexchange.push.mail.notify` bundle should be configurable to listen to UDP multicast messages.
In order to allow receiving push mail notifications from mail servers as multicast messages a new configuration option was added to file `/opt/open-xchange/etc/groupware/push_mailnotify.properties`:

```
# Define if the listener should receive multicast messages
```
com.openexchange.push.mail.notify.udp_listen_multicast=false

5.2.3. Changed Defaults

Change #354 - Including Client's IP Address in Mail Headers

Since OX6 v6.18.0 the client's IP address will be added to mail headers of outgoing mails.
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```
# Set the password source; meaning which source is taken to determine a user's
# password to login into mail filter system. If 'session' is set, then user's individual
# system's password is taken. If 'global' is set, then the value specified through
# property 'com.openexchange.mail.filter.masterPassword' is taken.
# Currently known values: session and global
com.openexchange.mail.filter.passwordSource=session
# The master password for mail/transport server. Only takes effect when property
# "com.openexchange.mail.filter.passwordSource" is set to "global"
com.openexchange.mail.filter.masterPassword=
```

Change #394 - adsBind and Referral for LDAP

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are changed to:

```
com.openexchange.contacts.ldap.mapping.openldap.lastmodified = modifyTime-
stamp
com.openexchange.contacts.ldap.mapping.openldap.creationdate = createTime-
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```
# GET/POST variable name for the autologin name
com.openexchange.easylogin.autologinPara = autologin

# Default to assume for the autologin parameter. Setting this to true may be
a security risk for clients using unsafe computers.
com.openexchange.easylogin.autologin.default = false

# The default client to assume. This is used to discover an old session
com.openexchange.easylogin.defaultClient=com.openexchange.ox.gui.dhtml
```

Change # 426 - HTML and CSS White-Listing for Publications

Whitelisting for Publish/Subscribe used the very restrictive mail rules. After a fix to the html bundle, these rules for can now be customized separately. Whitelisting of html and css elements for Publications can now be done separately from the whitelisting for e-mails. To enable this, a new whitelisting file named `microformatWhitelist.properties` has been introduced.

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```
# Define if the listener should receive multicast messages
com.openexchange.push.mail.notify.udp_listen_multicast=false
```

5.2.4. Changes in Packaging/Bundles

Change #311 – USM Package split into USM and EAS

The former package USM had to be split into two separate packages:
- EAS
- USM

The EAS part (Exchange Active Sync) will be only available to customers who license the OXtender for Business Mobility.

The USM part (Universal Sync Module) will be available to a wider customer base who use other Open-Xchange client extension e.g. the new OXtender for MS Outlook.

Therefore the EAS part of the former USM repository has been split off to a new EAS repository and packaging for the new EAS repository had to be added.

Change #317 - New Meta-Package open-xchange-meta-databaseonly

The dependency to mailfilter, resource-managerequest, group-managerequest, and password-change servlet and backend implementation will be removed from open-xchange-meta-singleserver because

- not every installation has a SIEVE mailfilter running
- uses database as backend for authentication

A new meta-package

     open-xchange-meta-databaseonly

has been introduced, which will install all packages listed here.

Change #347 - GUI Versioning to Spare Clearing Browser Caches after each Update

To make GUI upgrades more transparent for end users, the GUI now implements a new internal versioning mechanism. This removes the need for end users to clear their browser caches after each upgrade.

The versioning mechanism inserts a virtual subdirectory into URLs of static content, which is installed on the web server (as opposed to data which is generated by the application server, which is never cached anyway). Since the files on the web server are installed in the same place as before, without this virtual directory, the web server must remove it from URLs before attempting to find the files on disk.

Please note: Since the new directory is virtual, and all files are also available directly, this is a backwards compatible change for plug-in authors, but not a backwards compatible change for administrators, who must reconfigure their web server during the upgrade to 6.18.

A new file named readme.txt is available in the packages doc directory ant it contains detailed instructions on configuring the Apache web server according to the needs of the GUI. It also contains information on other aspects of a proper Apache configuration like compression, etc.

Change #358 - Hook for custom Encryption of Passwords for 3rd Party Services

The Open-Xchange Server uses the user's password to en- or decrypt certain data (usually passwords to third party systems, e.g. Twitter). In some deployments though it may not be desirable or possible that the OX Server has access to the user's password. In these cases an alternate secret will have to be used. The bundle com.openexchange.secret provides a hook for plug-ins to supply a secret and encapsulates the old behavior (using the user's password) as a default.

Change #359 - More memory-friendly SOAP Framework CXF

An additional, optional SOAP framework is now included within Open-Xchange. This is deployed in a more OSGi-like fashion. This does not have any influence to the existing axis2 framework which is still used to provision data in Open-Xchange.

Change #365 - Auto-Configuration for Mobile Devices - Back-End

The configuration of a mobile device should be as simple as possible. To help the customer in configuring the mobile device, OX now embeds the automatic mobile configuration systems for iPhones and Windows Mobile.

This change introduces a back-end bundle for the auto-configuration. It will provide a servlet to which the mobile device can connect to be configured automatically.

The bundle is called
open-xchange-mobile-configuration-generator.

The bundle has a dependency on the EAS package to enable reading some configuration settings required. Thus the bundle must be installed on the same system as EAS.

Change #366 - Auto-Configuration for Mobile Devices - Front-End

The configuration of a mobile device should be as simple as possible. To help the customer in configuring the mobile device OX now embeds the automatic mobile configuration systems for iPhones and Windows Mobile.

This change introduces the front-end plug-in and the appropriate servlet bundle for the auto-configuration. It will provide the UI plug-in to select the target address for the configuration link. The configuration link will be send through the transport layer (email or SMS/text messages) to the client. The link is the servlet URL for the configuration generator. The following bundles have been introduced:

- open-xchange-mobile-configuration-gui: The UI Plug-in which will provide the Frontend for the target selection (email or SMS/text messages)
- open-xchange-mobile-configuration-json: Servlet bundle for the UI Plug-in
- open-xchange-mobile-configuration-json-action-email: Transport layer for the Servlet

The SMS transport is not yet included in this set of bundles - it will be introduced with a later release.

Theses bundles should be installed on the same server where the OX front-end is running.

5.3. For End Users

Change #258 – Colored "Categories" replacing "Tags"

Other groupware systems tend to use the term "Categories" instead of "Tags". Inline with the newly introduced color-coding of groupware objects e.g. calendar entries), the term "Category" will now be used in the user front-end, user documentation, and online help.

Please note: This change will affect
a) Custom and 3rd party documentation
b) Internationalization for community supported languages

Change #327 - New Names for Access Permissions

The naming of OX folder permissions, e.g. which permissions are required to delete a folder had confused a number of customers.

To avoid such confusion between the "Admin" permission settings and the "Folder Admin" permission for a user, the user permissions and their settings have been renamed as follows:

- Folder admin: Yes, No
- Admin: None, Visible folder, Create objects, Create subfolders, Maximum
- Read objects: None, Read own, Read all, Maximum
- Modify objects: None, Modify own, Modify all, Maximum
- Delete objects: None, Delete own, Delete all, Maximum

The semantics and the internal numeric values have not changed.

The new name "Maximum" just describes the intended meaning in a better way: In case of future additions of new permission values, the setting "Maximum" will automatically include the new value, while "None", "Own" and "All" will not.

Please note: This change will affect
a) Custom and 3rd party documentation
b) Internationalization for community supported languages

Change #425 - Default for Login Page is "Private" instead of "Public"

With v6.18.0 additional security settings have been introduced to the Login dialog. Following customer requests, the default security setting has now changed "Private Computer" (instead of "Public computer").

Please note:
This may result in a lower security level of your system. Users who just hit the [Enter] key after entering their credentials, may unconsciously

confirm "Private Computer" - the less secure option when accessing OX6 e.g. from an Internet Café.

For a later major release, it is planned to make the default setting configurable by the server administrator.

5.4. 3rd Party Libraries and Licenses

Change #311 – Package USM split into USM and EAS

After splitting the former USM bundle (proprietary) into USM and EAS, the USM bundle will now be available under GPLv2, whereas the EAS bundle will remain under an OX proprietary license.

Please also refer to Change #311 under "Bundling Changes"

Change #339 - Axis 2 Engine v1.5.1 to Avoid Memory Leaks

Due to potential memory leaks after installing the open-xchange-axis2 package, the axis2 engine has been updated to the latest stable version 1.5.1 as it contains some memory leak fixes.

Side effects are not expected from this change. At least no API is affected.

Change #347 - jQuery introduced for GUI Versioning

With change #347 (see API Changes - GUI versioning to remove the need for clearing browser caches after each update), the GUI framework jQuery is being used.

Detailed license information can be found in the MIT license for jQuery:
http://github.com/jquery/jquery/blob/master/MIT-LICENSE.txt

Change #346 - opencsv for Importing Users/Contexts via CLT

To support the CSV Import functionality in the command line tools, a 3rd party library is required.

The opencsv library will be added to the /opt/open-xchange/lib directory.
As all command line tools include everything prefixed with ox_admin_, this prefix will be added to the opencsv-2.0.jar as well. So the full path to the library will be /opt/open-xchange/lib/ox_admin_opencsv-2.0.jar.

opencsv is available under the Apache 2 license. See
http://opencsv.sourceforge.net/dependencies.html

Change #370 – OAuth for crawler for LinkedIN needs additional libraries

The LinkedIn-crawler was recreated completely using the LinkedIn-API. Using this API requires OAuth and a newer version of httpclient. Therefore the respective libraries and their dependencies were included.

Several libraries were added to the c.o.subscribe.crawler-bundle:

- apache-mim4j-0.6.jar
- httpclient-4.0.1.jar
- httpcore-4.0.1.jar
- httpmime-4.0.1.jar
- oauth-20100601.jar
- oauth-consumer-20100601.jar
- oauth-httpclient3-20100601.jar
- oauth-httpclient4-20100601.jar
- oauth-provider-20100601.jar

These libraries are under the Apache 2.0 license, which is already included in the bundle.

6.   Bug Fixes

The following list gives an overview over the fixes for bugs reported by customers and partners:

Bug No	Severity	Description
15721	blocker	Deleting user with active POP3-account throws exception
15868	blocker	Cannot create several contexts within same branding in OX-POA plugin
15933	blocker	code for pop3 accounts tries to use a db read connection to write to
16541	blocker	AJP mount point /Microsoft-Server-ActiveSync doesn't exist in mod_proxy configuration
15588	critical	Sync with mobile device not possible "org.apache.commons.httpclient.ConnectTimeoutException"
15786	critical	changeuser behaves differently, oxldapsync does not work anymore
15902	critical	Connecting GMX-Accounts with gmx.de not possible
16335	critical	Mailfilter bundle isn't started because of missing configuration parameter
16336	critical	Sync stops on Win Mobile devices with error code 0x80820001
16353	critical	listContext gets slow with more than 100,000 contexts
16566	critical	Mail cannot be read anymore using iPhone
16683	critical	iPhone shows sync date of mails instead of receive date in IMAP server
16699	critical	Wrong permission on mail folder in MAL bundle if new folder layout is used
14356	major	Series ending on a specific date are one day too short
15200	major	After changing contextadmin password in the GUI pw not in sync with CLT
15300	major	Changed DefaultSenderAddress isn't used within notification mails
15507	major	Opening iCal attachments from invitation e-mail the content is imported immediately
15595	major	JSON error while deleting users from group using the Administration GUI Plugin
15596	major	Facebook subscription does not work
15687	major	gmail Account cannot be created using the wizard
15702	major	Overlapping publication/subscription dialogue menu
15703	major	"Change confirmation" button has no effect in shared calendar
15880	major	Redirect in Easylogin wrong
15884	major	AJP Listener "AJPListener-0010965" exceeds max. running time of 60000msec -> Processing time: 169399225msec
15891	major	webmail users without global adressbook can't set own contact attributes
15898	major	Error when accessing mail - Invalid Content-Type "application/x-zip"
15920	major	Choosing Mail as default module after login does not work every time
15999	major	If global address book is disabled a lot of other features must be disabled, too
16005	major	Appointment exceptions with recipient aren't synched
16037	major	Wrong directory in packages for EAS-documentation
16039	major	No access to public folders when deleting user
16077	major	EAS/USM not working after update
16158	major	After updating to 6.16 users get Session terminated messages in the GUI
16166	major	Appointment could not be deleted after group definiton changed
16200	major	UUENCODED mail attachments aren't displayed and accessable within mailer
16201	major	UUENCODED mail attachment is shown as plain text in mail body once the attached filename contains a blank character
16226	major	EasyLogin: Rien ne va plus
16228	major	User cannot be deleted due to "contact not found" exception
16295	major	Changed DefaultSenderAddress isn't used within notification mails' VCALENDAR file
16378	major	Server response: A protocol exception occurred during execution of IMAP request "UID FETCH (UID)". Error message: A80 BAD expected DIGIT instea d of " "
16438	major	Sync stops on Win Mobile devices with error code 0x80820001
16461	major	As attachment forwarded e-mails cannot be displayed by mailer
16506	major	Sync stops on Win Mobile devices with error code 0x80820001

16607	major	Unable to subscribe/refresh LinkedIN due to Captchas
16621	major	Changing contact information on iPhone causes wrong birthday for the contact
15180	normal	Wizzard status messages not translated
15622	normal	Whole-day appointments are shifted by an hour on Mail for Exchange clients
15648	normal	unified inbox can not be set for the primary email account with the checkbox in the mail accounts list
15649	normal	unified inbox error: Das Pflichtfeld Login wurde nicht festgelegt
15655	normal	gmx subscription: request "CREATE Papierkorb". Error message: A14 NO Create failed
15656	normal	smtp.setSMTPEnvelopeFrom also used for external mail acccounts
15660	normal	linked in subscription gives wrong username/password
15667	normal	new features can not be activated because of "user.beta=false"
15669	normal	displayname within the gui cannot been set if name part of another display name
15671	normal	msn pop3 account: POP3 CAPA command failed: -ERR unrecognized command
15676	normal	yahoo subscription is not syncing telephone numbers correctly
15683	normal	Xing-Account ohne Kontakte lÃ¤sst sich nicht einbinden
15686	normal	Spam mails aren't moved to Spam folder in gmail Account
15696	normal	branding in reboot pop up broken
15724	normal	LinkedIN Crawler accepts invalid credentials, wizard blocks correction
15737	normal	changing options in /opt/open-xchange/etc/groupware/javamail.properties has no influence
15738	normal	Possible to select folders from external IMAP accounts within SIEVE filter rules
15742	normal	Using newly created external mail account requires relogin/config refresh
15744	normal	display name not set for gmx imported contacts
15747	normal	wrong wording in case of wrong username or password
15748	normal	wording issues in wizard
15750	normal	print button active in case of multi selected mails but does nothing
15764	normal	web.de connection test successful but a save fails in the wizard
15779	normal	wizard: creds. get saved even if they are wrong for services with external mail accounts
15796	normal	beta tag still on subscribe page
15820	normal	high groupware cpu consumption
15901	normal	Some HTML tags within e-mail are ignored by OX Server
15936	normal	Direct links don't work with the new easylogin servlet
15951	normal	Leave messages on server gets unchecked and stays unchecked after changing account
15975	normal	messages from external pop3 accounts get duplicated
16002	normal	deactivating of active sync only possible if usm, active sync and syncml is off
16027	normal	"Sender" mail header should be set equal to "From" header
16042	normal	attached vcards cannot be imported within popup and mail replay window
16044	normal	infostore: lock document - unlock is grayed out
16049	normal	Distribution list not available after update:
16061	normal	ldap login error: Unprocessed Continuation Reference(s)
16070	normal	plain text part of e-mails contains too many newlines
16103	normal	Report EAS doesn't honor blank output lines
16105	normal	Reaching the limits of database pooling should be logged
16106	normal	Cache Problem: Can't fix Socket is null
16107	normal	appointment series is not displayed correctly in workweek view
16148	normal	long running threads CachingUserConfigurationStorage.getUserConfiguratio
16149	normal	connection timeout for SieveHandler
16175	normal	appointment series can not be changed from ends on to ends after
16203	normal	External attendees are getting E-Mail notification for every accept/deny
16206	normal	Sorting due to "From/To" within mailer doesn't work correctly
16262	normal	unusal usage imap connections shown in munin graphs and imap socket connect errors
16264	normal	Polish translation not complete
16289	normal	Polish translation not complete (2)
16291	normal	login hangs at 10% caused by by a mysql lock
16346	normal	Missleading error message when sending mail fails
16356	normal	Umlaut issue when answering mails on WinMobile devices
16382	normal	Not possible to set category using RMB

16385	normal	English localization "Global addressbook" in de_DE language settings when using classic folder tree
16441	normal	Single appointments from a series cannot be deleted
16447	normal	infostore link for automatic saved attachments gives "not found"
16459	normal	Last line not printed at pagebreak when using Firefox
16462	normal	when setting recurring appointment to once, "Zeitraum" can still be set
16463	normal	Menu Tree not consistent
16467	normal	Embedded pictures within HTML mail aren't displayed
16472	normal	TinyMCE doesn't set image size within HTML mails
16478	normal	Moving and deleting of mail folders with subfolders not possible
16479	normal	Default folders are moveable
16480	normal	Error message if foldername of deleted folder already exists in trash folder
16490	normal	Task taken from the direct link of invitation mail isn't found, displayed and selected
16504	normal	MAL implementation must remove Recent flag on new mails
16505	normal	Draft flag should be set/removed when moving mail into/out of draft folder
16508	normal	Additional name not set when sending appointment mail
16522	normal	submenues available on RMB in folder tree even if there is no available function behind
16552	normal	Synchronizing recurring appointments from Nokia fails
16554	normal	E-Mail address check in mail filter gui doesn't allow "+" in local part
16576	normal	Environment Passwort does overwrite command line option
16595	normal	German translation for calendar settings wrong
16601	normal	If a new unread mail is selected initially the wrong status for mail flags is returned
16658	normal	Error while clicking to FAQ section in Versatel plugin
16663	normal	contacts-ldap does not query ad for creation date but complains it is not there
16667	normal	No Polish translations for default mail folders in User.properties
16703	normal	Drag N Drop Contacts on Minicalender creates new Appointment instead of triggering Upsell Layer
16708	normal	It must be possible to override the default mail checks
16732	normal	Description field for new appointments is displayed as mandatory
16717	normal	Some Polish words not or wrong translated
15745	minor	Inconsistent field names in personal settings in wizard and GUI setup area
15774	minor	Inconsistent field names in personal settings in wizard and GUI setup area
16384	minor	Different order of RSS feeds in IE and Firefox
16514	minor	List of "To:" recipients is reordered by the server
16220	trivial	Clearing a birthday is not possible if the birthday is set to 01/01/1970
16026	enh	IP address of a GUI client should be put into Mail Header
16380	enh	Removing the address import link within webmail
17046	blocker	OutOfMemoryError: unable to create new native thread caused by OXFolderIterator
17182	blocker	Trying to print an e-mail kills Internet Explorer
16720	critical	Appointments created in OX-GUI or iPhone not synced to Outlook
16892	critical	Calendar-Sync results in 0x80820001 on WinMobile
14654	major	in iphone accepted appointments show up twice
16704	major	NPE when opening link to publication in mail
16713	major	Accept/Declined notifications sent multiple times
16747	major	Session for oxadmin cannot be found in "Admin Mode" while listing mailfilters
16777	major	Default signature isn't appened to new e-mail anymore
16781	major	Moving/Deleting a bulk of more than 10 mails not possible
16796	major	Task without due and start date isn't synchronized from OL to OX
16827	major	missing usm and eas permissions should be logged
17183	major	After trying to print an e-mail only full featured new browser windows are opened
17262	major	Can not change a yearly series into monthly/weekly series
15681	normal	MSN Hotmail account could not be added using the wizard
15936	normal	Direct links don't work with the new easylogin servlet
16576	normal	Environment Passwort does overwrite command line option
16717	normal	Some polish words not or wrong translated
16723	normal	Copying text with URL to plain text e-mail shows the link in sent mail but not in editor

16730	normal	Some Polish words not or wrong translated
16738	normal	MAL Bundle should ignore and log non-RFC2822 characters
16763	normal	wrong session timeout errors caused by database issues
16778	normal	getUasAccountId, destroySession generate errors on usage
16789	normal	"Delete" button inactive at E-Mail detail window
16800	normal	Linked text to German Umlaut domain does not work
16824	normal	OXUpdater binary not fully branded
16825	normal	OXUpdater installer binary is called default.exe
16846	normal	easylogin does not support the new security option
16857	normal	Error message when creating IMAP Subfolder on Dovecot
16868	normal	Button "Today" doesn't work in Team view
16881	normal	"Zu Wenig Arbeitsspeicher error" in japanese environment
16882	normal	custom wizard now subscibes MSN contacts instead of mail
16883	normal	wizard does not show details for t-online subscritpion any more
16946	normal	default for login page is public instead of private
17033	normal	open-xchange-secret-recovery-json and open-xchange-secret-recovery-mail not installed after update to 6.18.1
17034	normal	Several authentication services found while there is only one
17036	normal	running update Tasks AggregatingContactTableService while there should be none for 6.18.1
17041	normal	Series cannot be changed to single appointment
17042	normal	MAL implementation performance must be improved
17079	normal	custom log in implementation does log almost nothing
17130	normal	Error while opening configuration plugin and/or OXtender Options
17175	normal	Changing the duration of an existing series to "never" not possible
17180	normal	Unable to change weekly series into daily series
17184	normal	Search dialog in e-mail windows must also request the folder id
17198	normal	ignoreSubscription=true does not ignore subscriptions any more
17204	normal	movecontextfilestore doesn't work if rsync isn't installed

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

7. Known Issues - Open-Xchange Server 6

7.1.1. 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] Import of MS Outlook CSV Exports

The Dutch and Spanish 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.

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

15493 - NoClassDefFound within SOAP interface

This problem could not be reproduced deterministically. A fix has been postponed to a later release because it will require large architectural changes and the potential of unknown side effects.

15825 - Groupware dies with java.lang.OutOfMemoryError: PermGen space

Reproducing this issue is very hard and may be caused by different reasons.
We assume the Apache Axis2 Framework to have a memory leak or at least our way using the Apache Axis2 Framework causes memory leaks.
This release uses a new version of Apache Axis2 with a number of fixes for various memory leaks. Potentially this already fixes the issue.
In addition the CXF framework has been included with this release (see change #359) and CXF is known to be more robust than Axis2 especially for hosting environments.
Furthermore a configuration option is suggested in Change #371 (Section 4.2.2. Configuration Changes)

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

17124 – Infostore documents cannot be found in filestore

This occurs if the directory storing the files for Open-Xchange is a mount point. If the corresponding storage is mounted there Open-Xchange can store files without any problems. If the storage is not mounted the permissions of that directory must not permit Open-Xchange to write files there. That produces inconsistencies as described in this bug.
A workaround is to have non-writable permissions on the directory for Open-Xchange files if the underlying storage is not mounted.

17060 – Subscriptions not accessible after password change

Subscriptions to multiple mail accounts are not shown anymore in the mail accounts list if the password cannot be decrypted anymore. Changing the password is then not possible. The fix for this issue is scheduled for 6.18.2 release.

17203 – Sessions become invalid before session lifetime exceeds

The new more secure session handling introduces life times for cookies. Unfortunately those life times are not extended or refreshed on new requests to the backend. So the cookies are destroyed after their configured lifetime and the browser is not able to access the session anymore.
A workaround is to configure a very high value for the cookie lifetime in the configuration file. The fix is scheduled for 6.18.2 release.

16997 - Facebook Messaging doesn't work: Error: "(UII-CA001, -internal-)"

Sometimes the connection to Facebook fails and the contents of the Facebook messaging folder cannot be loaded. Currently the cause of that issue is unknown and it only occurs very rarely.
A simple workaround is to change folders and triggering a reload of Facebook data.

17021 – Appointments with private Flag in shared Calendar aren't Sent via WebDAV/XML

The web UI now shows private appointments in shared folders. The user is not able to see any information of that appointment except start and end time and that is a private appointment. He is even not able to select, edit, delete or move

it.

In MS Outlook though we are not able to limit the visibility of information and a user would be able to manipulate such appointments. Respecting privacy concerns and to avoid conflicting content, those appointments will not be transferred to Shared Folders in MS Outlook.

17252 – Contents of <ox:note> and RTF attachment may differ

Open-Xchange web UI stores the descriptions inside the groupware objects. Outlook is able to access those descriptions, too, but Outlook prefers always the RTF attachment containing a description in RTF format. Both storages for the description text may diverge. An integration of both has been scheduled as a feature request, which will be addressed with a major release in 2011.

7.2. Known Issues - OXtender for MS Outlook

7.2.1. 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.

7.2.2. 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.

7.3. Known Issues - OXtender for Business Mobility

7.3.1. Functional Limitations

Mail for Exchange v3.0 will be supported with the upcoming version v6.18.2

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

17220 – Weekly serial Appointments Shown as daily Appointments on HTC Desire

It seems that the HTC client is not capable of handling a daily series with only 1 day marked in the week (which is the original mapping of the USM/EAS system for a series that occurs once every week). We tested switching to an EAS weekly series that occurs every week, but in that case the HTC client handles the occurrences wrong (it shows 1 more occurrence for the series than actually specified). Simple tests with the iPhone showed no adverse effects when using the modified weekly series data.
The fix for this issue is scheduled for 6.18.2 release but it depends on finding a work-around to create those series on HTC Desire properly.