



Release Notes for Patch Release #4016

March 20, 2017

Copyright notice

©2017 by OX Software GmbH. All rights reserved. Open-Xchange and the Open-Xchange logo are trademarks or registered trademarks of Open-Xchange AG. All other company and/or product names may be trademarks or registered trademarks of their owners. Information contained in this document is subject to change without notice.

1 Shipped Product and Version

Open-Xchange AppSuite backend 7.8.3-rev18

Open-Xchange AppSuite frontend 7.8.3-rev17

Find more information about product versions and releases at http://oxpedia.org/wiki/index.php?title=AppSuite:Versioning_and_Numbering

2 Bugs fixed since previous Public Release

This section provides a summary of bug fixes and changes that have been applied subsequently to shipping Patch Release #3985.

50982 Empty "file count" for external cloud storage folders

Some external cloud storage providers do not provide the amount of files within a folder, in such cases OX App Suite would show "0" for any folder at that storage. A new internal capability per storage has been added to signal whether the storage does provide that information without executing expensive computation or storage access. According to that capability, OX App Suite UI will remove the "object count" indicator at folder details.

51207 Error message shown if "default app" setting is empty

In cases where a user's configuration was damaged and the default app "none" has been selected, subsequent logins led to error messages. We're now falling back to the global default app if the provided app cannot be found.

51610 Desktop notifications are not shown for negative timezone offsets

When configuring a negative timezone offset (e.g. UTC-5), desktop notifications would not be shown since the timestamp of newly received mails was checked against UTC rather than the user's timezone.

51755 Long-running script warnings when sending mail to huge recipient list

When composing a mail to a list of several hundreds of recipients, browser warnings about unresponsive scripts occurred when trying to parse and tokenize the recipient list. The handling has been improved by 2-3x to allow a larger number of recipients.

51602 Incorrect encoding when using IMAP "plain" authentication

In case mailbox login names allow multi-byte unicode characters, the login process would fail when using OX App Suite. This has been solved by applying the correct charset when performing the login procedure for mailboxes.

51772 Unable to modify users own data

In cases where the contact associated to the user account was created by the "oxadmin" account rather than the user itself, the user was unable to change its own contact data. Such situations may arise in specific provisioning implementations. Changing the contact's data is now possible again by correcting the mechanism to look up the oxadmin account as potential creator for the own contact.

51847 Enhanced IMAP request tracking

Logging has been extended to allow tracking individual IMAP activities/requests for a OX App Suite session which might use several IMAP connections. The new logging property is `com.openexchange.mail.session`.

51910 Optimizing IMAP IDLE handling and Hazelcast lookups

When using IMAP IDLE in larger deployments (which OX does not recommend) it might happen that threads are getting blocked by attempts to look up and close associated push listeners in a cluster once a user closes a session. Using synchronization protocols like Exchange Active Sync triggers many sessions to be opened and closed in a relatively short period of time. While there might

be configurations where only one IMAP IDLE push listener per user is allowed, in many cases this level of consistency is excessive and could lead to outages. Therefore we changed the behaviour to only look up "local" sessions rather than querying the whole cluster. This behaviour is configurable and described within release notes. When rolling out this Patch Release please have a close look to IMAP IDLE session count and modify the configuration in accordance to the environments requirements. To enhance overall performance of session lookups, an index has been added to the Hazelcast "sessions" map. As a result, clusters need to be completely updated and restarted when applying this patch release, the "sessions" map is not compatible with its earlier version.

52013 Enhancements to IMAP host detection and logging

To allow better debugging and monitoring of interaction between OX App Suite and IMAP backends, a new parameter was added to parse the IMAP backends "greeting" and provide it as part of the OX App Suite log. This behaviour is configurable and described within release notes. When rolling out this Patch Release.

3 Changes relevant for Operators

3.1 Changes of Configuration Files

Change #4041 Added user and context identifier as index to "sessions" map

The "sessions" map used by distributed Hazelcast session storage has been updated to add an index for user and context identifiers. This change requires a restart of all cluster nodes in order to properly restore the distributed session storage.

Change #4030 Added option to specify IMAP IDLE lookup

A new configuration option has been added to specify the behaviour of looking up associated IMAP IDLE listeners within a cluster. The option `com.openexchange.push.imapidle.clusterLock` (Default: `local`) was added. Other options are described within `push.imapidle.properties`. Note that the new default setting changes the default behaviour to look up IMAP IDLE listeners only on the OX App Suite instance which performs session activity such as logout.

Change #4006 Property to specify the IMAP backends greeting pattern

A new option `com.openexchange.imap.greeting.host.regex` (Default: `empty`) has been added to specify the syntax of the IMAP backends greeting when accessing the primary mailbox. It will then be used when logging IMAP related errors in OX App Suite to allow better tracking and identification of affected backends.

4 Tests

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

To avoid side effects, the shipped packages have gone through automated regression test on both, a Continuous Integration System and a dedicated server set-up for system and integration testing. All changes have been checked for potential side-effects and effect on behaviour. Unless explicitly stated within this document, we do not expect any side-effects.

5 Fixed Bugs

50982, 51207, 51610, 51755, 51602, 51772, 51847, 51910, 52013,