Release Notes for Patch Release #4015

March 20, 2017

1 Shipped Product and Version

Open-Xchange AppSuite backend 7.8.2-rev28
Open-Xchange AppSuite frontend 7.8.2-rev24

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 #3984.

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 contacts 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 synchonization 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. Therefor 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, a 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 a in-

dex 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

51602, 51772, 51847, 51910, 52013,