



Release Notes for Patch Release #1829
January 20, 2014

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1 Shipped Product and Version

Open-Xchange AppSuite backend 7.4.1-rev16

Open-Xchange OX6 backend 7.4.1-rev16

2 Bugs Fixed since previous Public Patch Release

This document provides a summary of bugfixes and changes that have been applied subsequently to shipping Patch Release #1798.

30191 Unable to create contexts due to MySQL index size limitation

At certain MySQL setups, a specific index has been created in a way that it could exceed the maximum allowed key size since there is no byte restriction applied. In almost all cases, this got auto-corrected by MySQL. As a result, actions like creating contexts could fail if the auto-correction has not been applied. This has been solved by adding the byte restriction to the corresponding table creation and update task as well as honouring this limit at the backend code.

30384 high load and many GC pauses (15 Seconds up to crashes) on EAS-only Hosts

Several issues have been addressed around the backend consuming more system resources during operation than previous releases did. The solutions are expected to fully resolve and diminish those problems.

A issue related to Grizzly has been resolved where the "keep alive" setting was "infinite" which led to more idle threads when running the Grizzly HTTP connector. These threads contribute to a larger thread-pool size. This has been solved by re-setting the default within the code. No configuration change is related to this one. Additionally a race condition within the Grizzly framework caused the reset of the idle time of a Connection used for request handling to be reset to FOREVER instead of ZERO which in result would keep on adding new entries for incoming requests to a DelayQueue but never remove them again

The import of mail messages from POP3 backends has been improved by directly handling MIME messages. This is expected to positively contribute to the amount of threads and their runtime.

To get more detailed information about possibly unnecessary threads, debug logging has been made available for the thread-pool. Enabling this logging will provide information about why and when threads are spawned. This setting can be applied at "file-logging.properties" or the corresponding log4j configuration for debug purposes.

```
com.openexchange.threadpool.internal.CustomThreadPoolExecutor.level=FINE
```

The OSGi event queue was filled up with many unnecessary events, leading to the event manager daemons being unable to dispatch all events in time, i.e. over time the system generated more events than it was able to consume.

The IMAPStoreCache spawns new threads to determine whether or not an IMAPStoreContainer has elapsed. This happens irregardless of whether or not a user is logged in, i.e. the threads keep spawning. This has been solved by determining if such a container has elapsed without spawning a new thread.

30540 Server crash after some days of operation

See bugfixes for Bug #30384

30415 Severe performance issues after updating

See bugfixes for Bug #30384

30287 Increasing load over runtime, HTTP 400 errors

See bugfixes for Bug #30384

30435 Cannot copy files via webDAV

The Windows WebDAV client creates a file by performing a sequence of PUT, LOCK, HEAD, PUT, PROPPATCH and UNLOCK requests. The PUT operation leads to an internal event in the backend, that was handled in the wrong way and removed the WebDAV lock.

30439 Missing default trash folder on server

The standard folder full names stored in "user_mail_account" table are wrong. Fixed by trying to recover from "NO Unknown namespace" IMAP error on standard folder check and clean entries in "user_mail_account" table

3 Tests

The OX QA team has successfully reproduced the reported issues and verified all bug fixes 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 setup for system and integration testing.

All bug fixes have been checked for potential side effects and changed behavior. Unless explicitly stated within this document, we do not expect any side-effects.

4 Fixed Bugs

30191, 30384, 30540, 30415, 30287, 30435, 30439,