# OX AppSuite and Open-Xchange Server 6 Backend
**Release Notes for Patch Release** #2827

November 2, 2015

# 1 Shipped Product and Version

Open-Xchange AppSuite backend 7.6.2-rev37

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 bugfixes and changes that have been applied subsequently to shipping  Patch Release #2813.

### 41783   Very high load on groupware nodes which cause timeouts
Extensive locking might prevent image transformation tasks from being executed, which in turn leads to HTTP requests that are waiting for their image stacking up.
Solution: Avoid locking in managed file management.

### 41873   Huge memory consumption up to Backend crash and high CPU load
A certain user repeatedly triggers computation-intensive image transformation processes. This was caused by trying to display a very large Image from emails.
This has been fixed by introducing thresholds to control whether image transformation computation is performed for a certain image.

### 41914   oxsysreport 'thread-dump' features does not write open-xchange-console.log
Thread dumps were not always written to open-xchange-console.log.
Fixed by overhauling the OX java pid detection by checking in three stages:
```
1.  Check if systemd knows the pid
2.  Check if /var/run/open-xchange.pid exist and use the content for debian based distros
only
3.  Evaluate the ox pid by 'ps ax' output
```

# 3 Changes relevant for Administrators

## 3.1 Changes of Configuration Files

### Change #2831   Introduced thresholds to control whether image transformation computation is performed for a certain image
Introduced thresholds to control whether image transformation computation is performed for a certain image.
```
File 'server.properties' is enhanced by the following properties:
- com.openexchange.tools.images.transformations.maxSize

Specifies the max.  size (in bytes) for an image that is allowed to be transformed
If exceeded image transformation is rejected
Default is 5242880 (5MB)

- com.openexchange.tools.images.transformations.maxResolution

Specifies the max.  resolution (in pixels) for an image that is allowed to be transformed
If exceeded image transformation is rejected
Default is 12087962 (~4064 x 2704 (11.1 megapixels) + 10%)

- com.openexchange.tools.images.transformations.waitTimeoutSeconds

Specifies the max.  time (in seconds) to await an image transformation computation to complete.
```

```
If exceeded image transformation is cancelled.
Default is 10
```

# 4   Tests

Not all defects that got resolved could be reproduced within the OX QA lab. Therefore, we advise guided and close monitoring of the reported defect when deploying to a staging or production environment. Defects which have not been fully verified, are marked as such.

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 changes have been checked for potential side-effects and effect on behavior. Unless explicitly stated within this document, we do not expect any side-effects.

# 5   Fixed Bugs

41783, 41873, 41914,