



Release Notes for OX Dovecot Pro

Minor Release v2.3.8

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1. Shipped Products and Versions

OX Dovecot Pro v2.3.8

Including Object Storage (obox) and Full Text Search (FTS) Plug-ins

Supported OS Distributions:

- [Amazon Linux 2](#)
- [CentOS/RHEL 6.10, 7.6](#)
- [Debian jessie \(8\), stretch \(9\), buster \(10\)](#)
- [Ubuntu 16.04 LTS, 18.04 LTS](#)

2. Release Highlights

Debian Buster Support Added

This version adds official packages for Debian Buster (10). Therefore, this version also marks the final supported Dovecot Pro release for Debian Jessie (8). Packages for Jessie will be dropped in a future version.

As a reminder of the Dovecot Pro Version Support Commitment:

- Dovecot Pro will only be supported for distributions that have active support from the OS vendor.
- Dovecot Pro will support the last 2 stable major releases for each supported OS distribution.
- Dovecot Pro packages will be built against the latest OS distribution point release (at the time a version is released). We cannot provide packages built against previous OS releases due to build system limitations.
 - OS Support attaches to a version at the time it is packaged and released. Thus, once released, a Dovecot minor version is frozen when it comes to the OS versions supported on it. Patch Releases will be built using the OS distributions supported for the parent minor release.

Summary of Highlights

- Message delivery events added
- Add TCP health check service
- Add packages for Debian Buster (10)

3. Upgrade Instructions

- "doveadm obox user delete" no longer requires doveadm force-resync to be run prior to catch objects lost from the index files.

4. Known Issues

- Not all Dovecot 2.2.x logging has been converted to Dovecot 2.3.x events, so newer logging/metrics configuration will not work on these older log entries.

5. Detailed Changes

5.1. Dovecot Pro Core

- **IMPROVEMENT DOV-2896:** Added mail_delivery_started and mail_delivery_finished events. See https://doc.dovecot.org/admin_manual/list_of_events/ for details.
- **IMPROVEMENT DOV-3025:** dsync-replication: Don't replicate users who have "noreplicate" extra field in userdb.
- **IMPROVEMENT DOV-3132:** Show total number of processes created in doveadm service status.
- **IMPROVEMENT DOV-3134:** When logging to syslog, use instance_name setting's value for the ident. This commonly is added as a log prefix.
- **IMPROVEMENT DOV-3319:** Add a -p (passthrough) parameter for the script service and add health-check service which answers PONG on PING.
- **IMPROVEMENT DOV-3497:** Added Debian Buster (10) packages. Debian Jessie (8) will be dropped in a future release.
- **IMPROVEMENT DOV-3504:** Base64 encoding/decoding code was rewritten with additional features. It shouldn't cause any user visible changes.
- **ISSUE DOV-2647:** With mail_nfs_index=yes and/or mail_nfs_storage=yes, setuid/setgid permission bits in some files may have become dropped with some NFS servers. Changed NFS flushing to now use chmod() instead of chown().
- **ISSUE DOV-2806:** Global ACL file ignored the last line if it didn't end with LF.
- **ISSUE DOV-2829:** Quota warnings did not work if quota root was noenforcing.
- **ISSUE DOV-3026:** Non-textual event fields could not be filtered using wildcards.
- **ISSUE DOV-3031:** "doveadm stats dump" with JSON formatter outputs numbers using string type instead of number type.
- **ISSUE DOV-3120:** In some rare situations "ps" output could have shown a lot of "?" characters after Dovecot process titles.
- **ISSUE DOV-3276:** doveadm client-server communication may hang in some situations. It is also using unnecessarily small TCP/IP packet sizes.
- **ISSUE DOV-3315:** lmtplib_proxy: Ensure that real_* variables are correctly set when using lmtplib_proxy.

- **ISSUE DOV-3318:** "doveadm obox user delete" might not have deleted all the folders or mails in case they had been lost from the index files. Running doveadm force-resync before the deletion would have found these, but this isn't necessary anymore.
- **ISSUE DOV-3322:** http-post driver had hardcoded timeout and did not support DNS lookups or TLS connections.
- **ISSUE DOV-3366:** dsync-replication may lose keywords after syncing mails restored from another replica. This only happened if the mail only had keywords and no system flags.
 - For example: doveadm sync A -> B (keywords OK), doveadm sync B -> C (keywords lost)
- **ISSUE DOV-3370:** Ensure that if an oauth2-scope parameter is defined it does get appended to the request.
- **ISSUE DOV-3429:** SMTP address encoder duplicated initial double quote character when the localpart of an address ended in '..'. For example "user+..@example.com" became ""user+.."@example.com in a sieve redirect.
- **ISSUE DOV-3434:** Auth service can crash if auth-policy JSON response is invalid or returned too fast.
- **ISSUE DOV-3444:** When dovecot.index.pvt is empty, an unnecessary error is logged: Error: ../dovecot.index.pvt reset, view is now inconsistent.
- **ISSUE DOV-3445:** Cassandra lookups may have caused dict process to crash in some rare situations. This was a regression in v2.3.7.
- **ISSUE DOV-3514:** When IMAP client issues FETCH PREVIEW (LAZY=FUZZY) command, the caching decisions should be updated so that newly saved mails will have the preview cached.
- **ISSUE DOV-3569:** v2.3.7 regression: fs-dictmap (obox/Cassandra) operations used a lot more CPU.
- **ISSUE DOV-3572:** v2.3.7 regression: If a folder only receives new mails without any other mail access, dovecot.index.log keeps growing forever and dovecot.index keeps being rewritten for every mail delivery.

5.2. Object Storage (obox) Plug-in

- **ISSUE DOV-3382:** Remove an unnecessary HEAD operation when copying/moving mails using fs-s3 or fs-azure.
- **ISSUE DOV-3387:** Don't use local metacache for users that were already deleted from object storage. These may be left behind after a user is deleted and recreated. This caused problems when a user migration failed and was restarted by deleting the user.
- **ISSUE DOV-3523:** If metacache rescanning was enabled, metacache-worker process doing the rescan was using excessive amount of memory. With enough users it may have crashed with: Panic: data stack: Out of memory

when allocating ... bytes.

5.3. Full Text Search (fts) Plug-in

No Changes

5.4. Pigeonhole (sieve) Plug-in

- **ISSUE DOV-3261:** Sieve may leak resources in rare cases when a redirect, vacation or report action fails to send the message. This mainly applies when Sieve is executed in IMAP context; i.e., for the IMAPSIEVE or FILTER=SIEVE capabilities.

5.5. OX Engage (imap-injection) Plug-in

No Changes

5.6. Chat Over Imap (coi) Plug-in [beta]

- **IMPROVEMENT:** Implement beta support for the COI Server Spec v1.0: <https://github.com/coi-dev/coi-specs/blob/master/coi-server-spec.md>.

6. Tests

The QA team has successfully verified all issue 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 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.

7. Repository Information

For details of how to install and update OX Dovecot Pro, please refer to the instructions at:

http://software.open-xchange.com/products/dovecot/doc/OX-Dovecot-Pro-repository-installation-manual_v2.4.pdf