



Release Notes for Release Dovecot Pro 2.2.24.2

1. Shipped Products and Versions

Dovecot Pro 2.2.24.2

Including; Object Storage Plug-In

2. Important Changes and Bugs fixed since previous Public Release

2.1. Dovecot Pro 2.2.24.2 Core

- Added "doveadm mailbox update" command to change mailbox's GUID, UIDVALIDITY, UIDNEXT, HIGHESTMODSEQ and \Recent flags.
- doveadm who: Fixed listing LMTP sessions
- auth_stats=yes was broken
- dict: Major CPU usage optimization by caching all dict configuration files that are read.
- imap: All IMAP commands now include timing statistics in the tagged reply. The timings now include also time spent on the "folder syncing" if it's at least 1 millisecond.
- doveadm mailbox delete: Added back -r (recursive) parameter that was accidentally removed.
- doveadm backup + imapc: Deleting the last mail(s) from source folder and running backup again caused the entire folder to be deleted (with "retry" exit code) instead of only the last mail.
- dict proxy: Added support for idle_msecs=n setting to keep longer-lived connections to dict process. This may be useful in reducing CPU load. Use for example with "dictmap:proxy:idle-msecs=1000:dict-async:cassandra".

2.2. Object Storage Plug-In

- Added "doveadm obox user delete" command to delete user's all index and email objects, including everything from Cassandra. Files in metacache are also deleted.
- Self-index bundle objects' max size was grown from 10 kB to 128 kB. Only after 128 kB Dovecot splits it into the base+diff index bundles.
- stats: obox_copy and obox_del counts were increased too often.
- stats: obox_iter, idx_iter and obox_copy is counted now when using Cassandra - metacache_delay_uploads=yes: Further optimizations to avoid uploading index bundles until necessary.
- fscache: Copying an email is now done with a hardlink instead of physically copying the email file.
- Optimized folder creation to avoid unnecessary Cassandra lookups.
- Optimized email deletion to avoid one unnecessary Cassandra lookup.
- Don't crash when reading empty/corrupted files from fscache.
- doveadm fs commands: Preserve buckets.cache permissions.
- doveadm fscache rescan: Preserve fscache.log permissions.
- Failing object storage connections may have caused processes to start looping with a short timeout, which increased their CPU usage.
- Fixed a crash when reading emails (in combination of stats+zlib plugin)
- Fixed adding dovecot.index.cache file to an index diff bundle when only its caching decision headers had changed. This prevented doveadm metacache clean from working after a metacache flush.

3. Tests

The Dovecot QA team 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 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.