



Release Notes for Release Dovecot Pro 2.2.24.1

1. Shipped Products and Versions

Dovecot Pro 2.2.24.1

Including; Object Storage Plug-In and Pigeonhole (Sieve)

2. Important Changes and Bugs fixed since previous Public Release

2.1. Dovecot Pro 2.2.24.1 Core

- doveconf now warns if it sees a global setting being changed when the same setting was already set inside some filters. (A common mistake has been adding more plugins to a global mail_plugins setting after it was already set inside protocol { .. }, which caused the global setting to be ignored for that protocol.)
- LMTP proxy: Increased default timeout 30s -> 125s. This makes it less likely to reach the timeout and cause duplicate deliveries.
- LMTP and indexer now append ":suffix" to session IDs to make it unique for the specific user's delivery. (Fixes duplicate session ID warnings in stats process.)
- Added dict-ldap for performing read-only LDAP dict lookups.
- lazy-expunge: All mails can be saved to a single specified mailbox.
- mailbox { autoexpunge } supports now wildcards in mailbox names.
- doveadm HTTP API: Added support for proxy commands
- imapc: Reconnect when getting disconnected in non-selected state.
- imapc: Added imapc_features=modseq to access MODSEQs/HIGHESTMODSEQ. This is especially useful for incremental dsync.
- doveadm auth/user: Auth lookup performs debug logging if oauth_debug=yes is given to doveadm.
- Added passwd/userdb { auth_verbose=yes|no } setting.
- Cassandra: Added user, password, num_threads, connect_timeout and request_timeout settings.

- doveadm user -e <value>: Print <value> with %variables expanded.
- Huge header lines could have caused Dovecot to use too much memory (depending on config and used IMAP commands). (Typically this would result in only the single user's process dying with out of memory due to reaching service { vsz_limit } - not a global DoS).
- dsync: Detect and handle invalid/stale -s state string better.
- dsync: Fixed crash caused by specific mailbox renames
- auth: Auth cache is now disabled passwd-file. It was unnecessary and it broke %variables in extra fields.
- fts-tika: Don't crash if it returns 500 error
- dict-redis: Fixed timeout handling
- SEARCH INTTHREAD was crashing
- stats: Only a single fifo_listeners was supported, making it impossible to use both auth_stats=yes and mail stats plugin.
- SSL errors were logged in separate "Stacked error" log lines instead of as part of the disconnection reason.
- MIME body parser didn't handle properly when a child MIME part's boundary had the same prefix as the parent.
- Added quota_over_flag_lazy_check setting to delay quota_over_flag checks until quota is calculated in any case.
- CPU usage optimizations for huge mailboxes.

2.2. Object Storage Plug-In

- Avoid loading mailboxes into metacache when doing mailbox list index lookups. Especially quota count backend shouldn't cause all the mailboxes to be loaded to metacache.
- Avoid rewriting local .state file when nothing has changed.
- Improvements to delaying index bundle uploads. Some operations triggered uploads earlier than intended.
- Index bundles were sometimes written to object storage even though they didn't have any changes.
- fs-cache: Newly written files weren't immediately cached with fs-dictmap (Cassandra)
- Saved-date wasn't immediately set when copying mails
- Fixed crashes sometimes happening due to dsync-merging indexes
- fs-dictmap (Cassandra): If write fails to dict, delete already-written object from object storage
- Fixed race conditions happening when deleting mailboxes
- Improvements to Swift support
- Current metacache disk space usage wasn't always tracked correctly, causing it to use more disk space than metacache_max_space.

2.3. Pigeonhole (Sieve)

The most important feature that this new release adds is the IMAPSIEVE capability, which allows executing Sieve scripts at IMAP events. It also adds the ability to obtain trace logs from Sieve execution at actual delivery (or from IMAP), rather than only using the sieve-test command line tool.

This release also fixes a bug in the Sieve extprograms plugin that has been bothering a few people for a while now.

- The address test now allows specifying the X-Original-To header.
- Implemented the Sieve imapsieve extension and its IMAP counterpart (RFC 6785) as a set of plugins. This allows running Sieve scripts at IMAP activity, rather than at delivery. There are also facilities for the familiar sieve_before/sieve_after administrator scripts. A user script is defined for a mailbox using an IMAP METADATA entry, whereas administrator scripts are configured using mailbox matching rules defined in the plugin settings.
- Adjusted the Sieve ihave extension to allow capability tests to be performed at runtime. This way, scripts can be written that work both at delivery and from IMAP.
- Implemented support for runtime trace debugging. This means that detailed information about which commands, actions and tests are performed is written to a file. That file is created in the configured directory, but only if that directory exists. This way, a particular user can be easily singled out for debugging. This works much like the Dovecot rawlog facility. The trace output is identical to what is produced using sieve-test with its "-t" command line option.
- Added a "sieve_user_email" setting that configures the user's primary email address. This is mainly useful to have a user email address available in IMAP, where envelope data is unavailable.
- Implemented the dovecot-specific "vnd.dovecot.report" extension. This allows sending report messages in the Message Abuse Reporting Format (RFC 5965).
- extprograms plugin: Fixed epoll() panic caused by closing the output FD before the output stream.
- Made sure that the local part of a mail address is encoded properly using quoted string syntax when it is not a dot-atom.

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.