Release Notes for Release Dovecot Pro 2.2.26.1

1. Shipped Products and Versions

Dovecot Pro 2.2.26.1

Including; Object Storage Plug-In, Full Text Search and Pigeonhole Sieve Plug-in

2. Important Changes and Bugs fixed since previous Public Release

2.1.   Dovecot Pro Core

- **CHANGE**: master: Removed hardcoded 511 backlog limit for listen().
  - The kernel should limit this as needed.

- **CHANGE**: doveadm import: Source user is now initialized the same as target user.
  - Added -U parameter to override the source user.

- **CHANGE**: Added a concept of "alternative usernames" by returning user_* extra field(s) in passdb.
  - doveadm proxy list shows these alt usernames in "doveadm proxy list" output.
  - "doveadm director&proxy kick" adds -f <passdb field> parameter
  - The alt usernames don't have to be unique, so this allows creation of user groups and kicking them in one command.

- **CHANGE**: auth: If passdb returns noauthenticate=yes extra field, assume that it only set extra fields and authentication wasn't actually performed.

- **CHANGE**: imapc: Added imapc_max_line_length to limit maximum memory usage.

- **CHANGE**: doveadm sync/backup: Fixed -t parameter and added -e for "end date".

- **CHANGE**: doveadm mailbox metadata: Added -s parameter to allow accessing server metadata by using empty mailbox name.

- **CHANGE**: Added "doveadm service status" and "doveadm process status" commands.

- **CHANGE**: director: Added director_flush_socket.
    - See: http://wiki2.dovecot.org/Director#Flush_socket

- **CHANGE**: doveadm director flush: Users are now moved only max 100 at a time to avoid load spikes. --max-parallel parameter overrides this.

- **CHANGE**: Added FILE_LOCK_SLOW_WARNING_MSECS environment, which logs a warning if any lock is waited on or kept for this many milliseconds.

- **Bug 48142:** Panic: file ostream.c: line 348 (o_stream_send_istream): assertion failed: (instream->stream_errno != 0)
    - **FIX**: lib: Fixed writing >2GB to iostream-temp files (used by fs-compress, fs-metawrap, doveadm-http)

- **Bug 45370:** Init script should track whether metacache directory should be purged
    - **FIX**: lib: lib-metacache: Delete metacache if it might be corrupted.
        - The /var/lib/dovecot/reboots file tracks whether Dovecot was stopped cleanly or not (= basically whether server was rebooted or crashed). The timestamps in reboots file are stored in each mailbox's .state file. If the cached timestamp doesn't point to a clean reboot in the reboots-file, delete the metacache before refreshing it.

- **Bug 49026:** imap-hibernate unnecessarily un-hibernates connections
    - **FIX:** imap-hibernate: Accept RFC DONE\IDLE
        - Change imap-hibernate to accept DONE\r\n<tag> IDLE\r\n as well, which is specified by RFC

- **Bug 48976:** imap/dsync-merge does not have userdb attributes set, which breaks %{userdb:*} variable expansion in obox_fs setting.
    - **FIX:** lib-storage: mail_user_dup() should duplicate also userdb_fields.

- **Bug 48738:** Opening virtual attachments inboxes fails due to corrupted bodystructures
    - **FIX:** lib-imap: Don't write a broken Content-Type as text/plain to BODYSTRUCTURE
        - Mainly because it doesn't match with MESSAGE_PART_FLAG_TEXT in message_part.

- o **FIX:** lib-imap: imap_bodystructure_parse() ignores text/plain flag mismatch for now.

- **Bug 49031:** director_servers doesn't remove duplicates
  - o **FIX:** director: Ignore duplicates in director_servers setting.

- **Bug 48505:** doveadm import fails after import with chdir(/root) failed: Permission denied
  - o **FIX:** doveadm-import: Use target user as source user
    - ▪ This is done to avoid spurious error messages caused by being ran as root.

- **Bug 46039:** Dovecot LMTP Concurrency Limits should be checked before quota lookup in RCPT TO
  - o **FIX:** lmtp: Handle lmtp_user_concurrency_limit before lmtp_rcpt_check_quota

- **Bug 48119:** IMAP crash. Panic: Message count decreased
  - o **FIX:** lib-index: If view syncing sees index is reset, always mark the view as inconsistent.
  - o **FIX: lib-index:** When finding a view is reset, don't attempt any further syncing.
    - ▪ This could cause various errors to be logged, such as:Error: Append with UID 7103, but next_uid = 7242
  - o **FIX:** lib-index: Fixed potential assert-crash when view syncing sees a reset marker.
    - ▪ It should never try to use main index map at that point, because view_sync_have_expunges() looks changes only before the reset marker.
  - o **FIX:** lib-storage: Make sure mailbox_sync*() fails if view is inconsistent afterwards.
  - o **FIX:** imap: If mailbox is inconsistent after syncing, don't try to sync message counts.
    - ▪ This fixes (e.g. after doveadm force-resync): Panic: Message count decreased

- **Bug 49069:** LMTP delivery causes copy notification, not save notification
  - o **FIX:** lib-storage: If mailbox_move() fails, reset mail_save_context.moving==FALSE

- **Bug 49110:** quota_over_script executed more than once during an imap connection
  - o **FIX:** Don't execute quota_over_script after un-hibernation

- **BUG 49113:** intercept plugin tries to start intercept during dsync merge
  - o **FIX**: dsyncing shouldn't trigger interception.

- Especially not obox's dsync-merging. Fixes: Panic: file obox-mail.c: line 766 (obox_mail_get_stream): assertion failed: (!OBOX_MAIL_IS_DSYNC_MERGING(mbox, _mail))

- **Bug 49287:** fs-metawrap crashes when trying to write an empty file
  - **FIX:** fs-metawrap: Don't assert-crash when trying to write an empty file.

- **Bug 49387:** Panic: fscache: Unsupported filename '50283'
  - **FIX:** fs-fscache: Don't panic on unexpected filenames in fscache.log

- **Bug 49423:** Memory leak in auth policy (DAAS/ABF)
  - **FIX:** auth-policy: Use request's pool instead of new pool
    - This fixes existing memory leak in auth_report, which is caused by using separate memory pool instead of request's pool.

- **Bug 49417:** imap-login killed with signal 11 when "x-originating-ip" NIL
  - **FIX: imap-login: Skip NIL value in ID handler**
    - NIL value can cause hard crash, depending what the key is. For x-proxy-ttl, NIL will crash on any system, x-originating-ip will crash on some nss versions (e.g. centos 6.7).
    - Mitigating factor here is that the NIL values are only attempted to be parsed if client connects from within login_trusted_networks.

- **Bug 49540:** "doveadm reload" kills director connections even if "shutdown_clients=no"
  - **FIX:** director: Fix shutdown_clients=no to not break
    - The director process must shut down even with with shutdown_clients=no. Otherwise the two director processes will try to keep competing with each others and log errors like:
      - director: Warning: Director 10.0.0.123:9090/right disconnected us with reason: Replacing with new incoming connection
      - director: Warning: Director 10.0.0.123:9090/right disconnected us with reason: Replacing with 10.0.0.124:9090

- **Bug 49381:** local_name host { .. } in configuration is not matching the host correctly
  - **FIX:** config: Compare local_name case insensitive
    - DNS and certificate names should be compared case insensitive.

- **Bug 49577:** Push notification teaser does not contain umlauts
  - **FIX:** lib-mail: Support decimal/hexadecimal encoded entities
    - Add support for &#nnn; and &#xnnn; entities.

2.2.   Object Storage Plug-in

- **Bug 45368**: Flush metacache on Dovecot stop
  - **FIX**: By default dovecot init scripts (sysvinit/systemd) flushes metacache when dovecot is stopped using init script/systemctl.
  - SysvInit: Metacache is not flushed:
    - /etc/init.d/dovecot restart
    - During package upgrade
  - Systemd: systemctl disable dovecot-metacache-flush before upgrading package or if you want stop dovecot without flushing metacache.

- **Bug 45369:** Doveadm director move/flush should flush metacache
  - **FIX**: Add flush script support for director

2.3.   Full Text Search Plug-in

- **Bug 48958:** FTS L files are always read
  - **FIX**: implement lazy L file opening

2.4.   Pigeonhole Sieve Plug-in

- **CHANGE**: ManageSieve: The PUTSCRIPT command now allows uploading empty Sieve scripts. There was really no good reason to disallow doing that.

- **CHANGE**: Sieve vnd.dovecot.report extension:
  - Added a Dovecot-Reporting-User field to the report body, which contains the e-mail address of the user sending the report.
  - Added support for configuring the "From:" address used in the report.

- **CHANGE**: LDA sieve plugin: Implemented support for a "discard script" that is run when the message is going to be discarded. This allows doing something other than throwing the message away for good.

- **CHANGE**: Sieve vnd.dovecot.environment extension: Added vnd.dovecot.config.* environment items. These environment items map to sieve_env_* settings from the plugin {} section in the configuration. Such values can of course also be returned from userdb.

- **CHANGE**: Sieve vacation extension: Use the Microsoft X-Auto-Response-Suppress header to prevent unwanted responses from and to (older) Microsoft products.

- **CHANGE**: ManageSieve: Added rawlog_dir setting to store ManageSieve traffic logs. This replaces at least partially the rawlog plugin (mimics similar IMAP/POP3 change).

- **Bug 49391:** "doveadm sieve put" doesn't set filters over Director
  - **FIX:** doveadm: Rewind input early enough
    - Command input needs to be rewinded earlier in doveadm_mail_next_user.

- **Bug:** doveadm sieve plugin: synchronization: Prevent setting file timestamps to unix epoch time. This occurred when Dovecot passed the timestamp as 'unknown' during synchronization.

- **Bug:** Sieve exprograms plugin: Fixed spurious '+' sometimes returned at the end of socket-based program output.

- **Bug:** imapsieve plugin: Fixed crash occurring in specific situations.

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.