Release Notes for OX Dovecot Pro Patch Release v2.3.12.1

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1. Shipped Products and Versions

OX Dovecot Pro v2.3.12.1
Built on Dovecot Community Edition Core v2.3.12
Including Object Storage (obox) and Full Text Search (FTS) Plug-ins

Supported OS Distributions:
- Amazon Linux 2
- CentOS 6.9, 7.8, 8.2
- RHEL 6.9, 7.4, 8.2
- Debian stretch (9.13), buster (10)
- Ubuntu 16.04 LTS (xenial), 18.04 LTS (bionic)

Apache Cassandra Driver: [v2.13](v2.13)

2. Release Highlights

Summary of Highlights

- Various bugfixes related to (obox) metacache cleaning.

3. Upgrade Information

None

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.   OX Dovecot Pro Core

- **ISSUE DOV-4196**: Event filter syntax error may lead to Panic: file event-filter.c: line 137 (event_filter_parse): assertion failed: (state.output == NULL).

- **ISSUE DOV-4204**: v2.3.11 regression: Searching messages that have no terminating MIME boundary assert-crashes (unless FTS is used): Panic: file message-parser.c: line 174 (message_part_finish): assertion failed: (ctx->nested_parts_count > 0).
- **ISSUE DOV-4217**: doveadm-server could crash if logging was done outside command handling. For example http-client could have done debug logging afterwards, resulting in either segfault or Panic: file http-client.c: line 642 (http_client_context_close): assertion failed: (cctx->clients_list == NULL).

## 5.2.	Object Storage (obox) Plug-in

- **ISSUE DOV-4144**: Various bugfixes related to metacache cleaning: The users' cleanup priorities were not always calculated correctly, resulting in non-optimal cleaning behavior. The cleaning could have gotten stuck in some rare situations. Cleaning speed now depends on how close to full `metacache_max_grace` usage is.

- **ISSUE DOV-4208**: Opening a new autocreated folder may have caused it to become cleaned while it was being opened in some rare situations. This resulted in an immediate rebuild, logging: "Warning: Mailbox INBOX: Rebuilt missing new mailbox index in ...".

- **ISSUE DOV-4219**: "doveadm obox user delete" fails if other sessions are still open: Panic: file metacache-index.c: line 1043 (metacache_index_open): assertion failed: ((flags & METACACHE_INDEX_OPEN_FLAG_FORCE_RESCAN) == 0 || *rescan_needed_r || open_res < 0).
  - "doveadm obox user delete" now fails with exit code 65 in these situations.

- **ISSUE DOV-4222**: Accessing stale metacache may have crashed: Panic: file metacache-get.c: line 2316 (metacache_bundle_commit): assertion failed: (!guid_128_is_empty(request->mailbox_guid)).

## 5.3.	Full Text Search (fts) Plug-in

No Changes

## 5.4.	Pigeonhole (sieve) Plug-in

No Changes

## 5.5.	Intercept (intercept) Plug-in

No Changes

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:
https://doc.dovecot.org/installation_guide/dovecot_pro_releases/repository_guide/.