Release Notes for Release Dovecot Obox 2.1.0

1. Shipped Products and Versions

Dovecot Obox 2.1.0

2. Important Changes and Bugs fixed since previous Public Release

2.1. Dovecot Obox 2.1.0

- Various optimizations to do fewer index object lists and fewer user root index writes
- Scality: Support asynchronous container deletes (by adding '/' suffix to "doveadm fs delete" path)
- Scality: Support accessing objects via object IDs by storing them in Dovecot index files (not default yet - set plugin { obox_use_object_ids=yes } to enable it)
- Scality: Added support for batch deletions (not default yet - append "&bulk_delete=1" to obox_fs to enable it)
- Send mail/cache/index access statistics to stats process
- Updated Swift backend to work with modern Swift installations
- Added experimental "dictmap" backend support for object storage backends that don't support listing objects. This allows for example using Scality sproxyd and Cassandra, although other combinations are possible as well.
- Added experimental support for delaying index object uploads for LMTP and POP3. plugin { metacache_delay_uploads=yes } enables this. plugin { obox_max_rescan_mail_count=10 } (default) specifies how many mails can be cached only locally before index is uploaded. These settings reduce the number of PUTs a lot, but when a user is moved to another backend it'll require listing mail objects for a folder before it can be used, so that it can find any mails not yet in the index. On the next IMAP access the indexes are always uploaded to avoid IMAP UIDs from changing and causing problems in failure situations.
- Added ability to configure multiple metacache master processes to be used for high-load installations.

- Temporary object storage errors sometimes triggered unnecessary index rebuilds.
- Various error handling fixes

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.