Dovecot Migration Framework Worker
Release Notes for Release 1.2.0-rev2

2023-01-17

Copyright notice

Contents

1 Shipped Version

Dovecot Migration Framework Worker 1.2.0-rev2

Find more information about product versions and releases at http://oxpedia.org/wiki/index. php?title=AppSuite:Versioning_and_Numbering and http://documentation.open-xchange.com/.

2 Bugs fixed with this Release

This section provides a summary of bug fixes and changes that have been applied subsequently to shipping Release 1.0.0-rev7. Some of the announced bug fixes may have already been fixed at the existing code-base via Patch Releases.

DMF-109   Stop Worker does not stop jobs or return connections
Status: Done
Root Cause Description:

> Hikari JDBC pool closes before all jobs can be aborted.

Solution Description:

> Don't close the application context until all jobs have been aborted.

Resolution: Verified
Severity: 3
Components: Worker
Verified with Builds: 1.2
Affected Packages: open-xchange-dmf-worker

DMF-110   Worker finds false positive errors
Status: Done
Root Cause Description:

> Error pattern (regex) used by the log analyzer is looking for the string "error" in log entries.

Solution Description:

> Modified the error pattern to make the log analyzer look for a dsync error. Example: _dsync(xxxx): Error: ..._

Resolution: Verified
Severity: 3
Components: Worker
Verified with Builds: 1.2
Affected Packages: open-xchange-dmf-worker

DMF-111   Status of jobs stays in "0" and IllegalArgumentException
Status: Done
Root Cause Description:

> The Java TimSort algorithm can sometimes detect when a comparator has broken the compareTo contract. We broke the sgn(x.compareTo(y)) == -sgn(y.compareTo(x)) for all x and y by checking if a job created time is after the other job, but not before. Thus, the following can sometimes happen: -sgn(x.compareTo(y)) == -sgn(y.compareTo(x)).

Solution Description:

> Use the Instant compareTo to determine sort order when neither job has priority over the other.

Resolution: Verification not Possible
Severity: 3

Components: Worker
Affected Packages: open-xchange-dmf-worker

DMF-118   The log processing task can die leading to a deadlock
Status: Done
Root Cause Description:

> If the log processing thread dies then it can leave the main process in a deadlocked state because the process can no longer write to stdout/err.

Solution Description:

> Make the log processing task robust and handle when the task has completed prematurely.

Workaround:

> Kill the process.

Resolution: Verified
Severity: 3
Components: Worker
Verified with Builds: 1.2
Affected Packages: open-xchange-dmf-worker

3   Changes relevant for Operators

3.1   Changes of Behavior

Change #DMF-107   Display list of sources in backends API
Status: Done
Resolution: Fixed
Components: Scheduler, Worker
Affected Packages: open-xchange-dmf-worker

Change #DMF-114   Make doveadm retry with debug configurable
Status: Done
Resolution: Done
Components: Worker
Affected Packages: open-xchange-dmf-worker

Change #DMF-119   Add newly documented DoveAdmSync parameters
Status: Done
Resolution: Done
Components: Worker
Affected Packages: open-xchange-dmf-worker

Change #DMF-122   Implement user password encryption
Status: Done
Resolution: Done
Components: Scheduler, Worker
Affected Packages: open-xchange-dmf-worker

Change #DMF-125   Support utf8 encoded passwords
Status: Done
Resolution: Fixed
Components: Worker
Affected Packages: open-xchange-dmf-worker

4   Tests

Not all defects that got resolved could be reproduced within the lab. Therefore, we advise guided and close monitoring of the reported defect when deploying to a staging or production environment. Defects which have not been fully verified, are marked as such.

To avoid side effects, the shipped packages have gone through automated regression test on both, a Continuous Integration System and a dedicated server set-up 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.

4.1   Test Report

Test T1758605   Setup Test Environment (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed
This test case describes how to set up a test environment.

Test T1758606   Login to admin APIs using Basic Auth (http, Basic) (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed
Link

Test T1758607   Add a Source (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758608   A Sourcehost can't be added for some reasons (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758609   Add a Sourcehost (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758610   Add a Target (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed
Link Covered test cases by this test case: - A Target can be added - A Target cannot be added without a name - A duplicate Target cannot be added

Test T1758611   Add a User (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758612   Login to source using API Key Auth (apiKey) (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed
Link Link

Test T1758613   Add a backend (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758614   Setup Mail Client (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758615   Add multiple Migrations (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758616 Add a second Source (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758617 Update an already existing source (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758618 Get a target (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758619 Get a User (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758620 Update a User (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758621 Add new Migration (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758622 Get a Sourcehost (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758623 Update a Sourcehost (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758624 Add a second Sourcehost (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758625 Get a Migration Record (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758626 Get all Migration records (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758627 Get the latest migration record for multiple users (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758628 Get a user's migration record status (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758629 Get multiple user's migration record status (DMF_1.2.0_(worker_rev2,_sched-

uler_rev2)_-_Testfallkette)
Status: Passed

Test T1758630   Try to create a source with wrong or missing information (DMF_1.2.0_(worker_rev2,_sched-uler_rev2)_-_Testfallkette)
Status: Passed

Test T1758631   Add an email in source and migrate to target (DMF_1.2.0_(worker_rev2,_sched-uler_rev2)_-_Testfallkette)
Status: Passed

Test T1758632   Test "connections_left" (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed
"connections_left" is a data base parameter that describes the availability of connections to the source host. This test will check the correct behaviour of this parameter.

Test T1758633   Delete an email in source and migrate to target (DMF_1.2.0_(worker_rev2,_sched-uler_rev2)_-_Testfallkette)
Status: Passed

Test T1758634   Delete a source (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed
This test case will test if it's possible to delete a given source.

Test T1758635   Delete a Sourcehost (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758636   Delete a target (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed
Link Covered test cases by this test case: - A Target with no references can be deleted - A Target with a running backend cannot be deleted (add a running worker to this Target to simulate this) - A Target with a user cannot be deleted (add a user with this Target to simulate this)

Test T1758637   Close a user's migration record (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758638   Delete a backend (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1758639   Delete a User (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed

Test T1759464   Password encrpytion (DMF_1.2.0_(worker_rev2,_scheduler_rev2)_-_Testfallkette)
Status: Passed
This testcase tests the password encryption which is used to encrypt the passwords at time of storage by the Scheduler, and decrypt at time of use by the Worker.

Test T1762309   Test newly added DoveAdmSync parameter -t (DMF_1.2.0_(worker_rev2,_sched-

uler_rev2)_-_Testfallkette)
Status: Passed
This testcase tests if DMF is able to handle newly documented DoveAdmSync parameters as described here: Link This test case is representative for all new DoveAdmSync parameters. There is no need to test each DoveAdmSync parameters.

5   Fixed Bugs

DMF-109, DMF-110, DMF-111, DMF-118,