



OX2OX Migration Framework Target
Release Notes for Release 2.0.0
2021-03-08

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Contents

1	Shipped Product and Version	2
2	Bugs fixed with this Release	2
3	Changes relevant for Operators	7
3.1	Changes of Configuration Files	7
3.2	Changes of Behavior	9
4	Tests	13
4.1	Test Report	13
5	Fixed Bugs	19

1 Shipped Product and Version

OX2OX Migration Framework Target 2.0.0

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 1.0.2. Some of the announced bug fixes may have already been fixed at the existing code-base via Patch Releases.

OMF-339 omf-worker uses source credentials to connect to target

Fix the erroneous use of the source endpoint credentials for the premigration REST client.

Status: Done

Root Cause Description:

{{WorkerClient}} provides an API that doesn't require specifying for which endpoint (source or target), which leads to the premigration REST client ({{/omf/target/premigration/}}) to erroneously use the source endpoint credentials instead of the target endpoint ones.

Solution Description:

Remove the {{WorkerClient}} API that implicitly uses the source endpoint credentials and force calling sites to always explicitly mention {{Endpoint.SOURCE}} or {{Endpoint.TARGET}} to reduce the potential for mixups. Fix the premigration REST client to use {{Endpoint.TARGET}} instead of the implicit {{Endpoint.SOURCE}}.

Resolution: Verified

Severity: 2

Components: Worker General

Verified with Builds: omf-target-1.0.2-rev3

Labels: L3

Affected Packages: open-xchange-omf-worker

OMF-340 Properties com.openexchange.omf.worker.ssl.truststore.* not read

Fixed looking up the following properties in {{omf-worker-https.properties}}: * {{com.openexchange.omf.worker.store.file}} * {{com.openexchange.omf.worker.ssl.truststore.password}}

Status: Done

Root Cause Description:

The values of the property names have been modified in the properties file, but were forgotten in the source code, causing the wrong properties to be looked up at runtime.

Solution Description:

Fixed the names of the properties that are looked up in the implementation.

Workaround:

Use the following property names in omf-worker-https.properties instead: * {{com.openexchange.omf.worker.ssl.keystore-filelocation}} * {{com.openexchange.omf.worker.ssl.keystore-password}}

Resolution: Verified

Severity: 2

Components: Worker General

Verified with Builds: omf-target-1.0.2-rev4

Labels: L3

Affected Packages: open-xchange-omf-target

open-xchange-omf-worker

OMF-369 File Migration: do not copy or delete filestore related tables on the target

Fix support for Scalify file storage.

Status: Done

Root Cause Description:

{{scalify_filestore}} was copied over to target and removed in the userdb for the target cid.

Solution Description:

Do not copy or delete {{scalify_filestore}} on and to the target user db.

Resolution: Verified

Severity: 2

Components: Target, Worker Database, Worker Files

Verified with Builds: omf-2.0.0

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker

OMF-407 Database error inserting into files_metadata_mapping after context mapping reset

Fix "omf contextmapping reset" command by deleting context references in files_metadata_mapping as well as user_mapping that were previously left untouched, which caused errors when attempting to migrate the same context again (after reset).

Status: Done

Root Cause Description:

Rows in {{files_metadata_mapping}} that pertain to a source context ID mapping that is marked for deletion are not deleted, which causes a duplicate primary key error when the migration is attempted again and file references are inserted into {{files_metadata_mapping}}.

Solution Description:

When deleting a {{context_mapping}} row that is marked for deletion, also delete the content from the other migration database tables that pertain to that source context ID, namely: * {{files_metadata_mapping}} * {{user_mapping}}

Workaround:

Delete the rows from the migration database manually.

Resolution: Verified

Severity: 3

Components: Scheduler, Worker Files, Worker General

Verified with Builds: omf-2.0.0

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker

OMF-411 Table 'db_1_write_78.sequence_publications' doesn't exist

Errors during the execution of update tasks were reporting in logging, but not as errors to OMF, which caused them to go undetected in the implementation and caused follow-up issues. With the fix to this issue, we re-implemented part of the update tasks execution plan in order to be aware of any error that would occur during those, and react accordingly (with the migration of that batch failing.)

Status: Done

Root Cause Description:

Update tasks could fail without warning

Solution Description:

added custom handling around update tasks

Resolution: Verified

Severity: 2
Components: Target
Verified with Builds: omf-2.0.0
Affected Packages: open-xchange-omf-worker

OMF-412 Already migrated context considered again

Some operations ended up not reporting contexts as failed when exceptions occurred, leading to erroneously being reported as SUCCESS when, in fact, they failed, which could be verified by checking their migration status in the context_mapping table (or using the "omf cm list") command) as they were not marked as migrated there. This change fixes that by ensuring that each operation reports a migration operation result for each context.

Status: Done

Root Cause Description:

It could happen, that an exception does not write back the error state for all currently running contextids of the batch into the report. In such a case, the report for individual contexts would be marked as success even though, the whole batch, or parts of it, should be marked as failed.

Solution Description:

Add handling in relevant parts of the worker to catch exceptions and add an error to the individual contexts that are affected by the error so that their response also contains the correct failed state.

Resolution: Verification not Possible

Severity: 2

Components: Scheduler

Affected Packages: open-xchange-omf-worker

OMF-414 Failing database migration can lead to unusable state on target

When transferring the content of the temporary (Worker) database to the Target, the wiping and importing now happens within a transaction in order to be able to roll back if anything goes wrong. Previously, errors at that stage could cause the context and users therein to become unusable, making it even impossible to delete them (as they were existing in LDAP but not in the database due to the previous wiping of the target context related data from the database).

Status: Done

Root Cause Description:

wipe and dump were 2 distinct calls and rollback was not possible

Solution Description:

combine into a single call to be able to do a rollback

Resolution: Verification not Possible

Severity: 3

Components: Target

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker

OMF-421 Database import fails with "not able to parse column with type: -7"

Don't transfer Guard tables (og_KeyTable, og_pgp_keys, og_encrypted_items, og_mailvelope, og_AutoCrypt).

Status: Done

Root Cause Description:

Guard tables use the BIT column type which is not currently supported, which highlighted another, more critical issue which is the partial transfer of Guard table content. Since OMF 2.0.0 does not support Guard yet, not all table content is transferred in the user database, which could potentially lead to an unusable state of Guard in the target system.

Solution Description:

Support for the BIT column type will be added in a different story, but the inherent issue is addressed by not exporting nor transferring Guard table content until Guard support is implemented.

Resolution: Verified

Severity: 2

Components: Worker Database

Verified with Builds: omf-2.0.0

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker

OMF-434 Unable to run presync without preprov in case c.o.o.worker.premigration.user.quota.mode=context

Fixed running presync without preprovisioning with com.openexchange.omf.worker.premigration.user.quota.mode=context, which failed because the change of quota information that is required in that scenario was not taken into account when comparing users between source and target, which lead to the erroneous need to change the user, which is forbidden when running a batch without the preprovisioning flag.

Status: Done

Root Cause Description:

The check whether a pre-provisioned user would have to be updated did not take the different quota migration modes into account.

Solution Description:

Don't compare user quota in CONTEXT mode or in case it should be kept but is negative.

Resolution: Verified

Severity: 2

Components: Worker General

Verified with Builds: omf-2.0.0

Affected Packages: open-xchange-omf-worker

OMF-439 Wrong ID used when changing user sequence

Fixes a bug in preprovisioning where the wrong value was specified as the context ID was specified when setting the {{sequence_principal.id}} column.

Status: Fixed

Root Cause Description:

(see comments, will update this field when closing the issue definitively)

Solution Description:

Change it to use the target context id.

Workaround:

Delete the target context, reset its status (using {{omf cm reset}}) and preprovision that context again.

Severity: 1

Components: Worker General

Affected Packages: open-xchange-omf-worker

OMF-442 <value> in column '3' is outside valid range for the datatype INTEGER

Fixed the size of the integer type from int to long to be able to handle files that are larger than 2GB when retrieving the file_size from the following Core tables: prg_attachment, compositionSpaceAttachmentMeta, infostore_document, preview and snippet

Status: Fixed

Root Cause Description:

file_size is handled as int

Solution Description:

handle file_size as long

Severity: 2

Components: Source

OMF-450 Unable to import data from tables with multiple BLOB columns

Fix an issue with tables containing more than one BLOB or VARBINARY column that lead to an error message like this: `com.mysql.jdbc.exceptions.jdbc4.MySQLSyntaxErrorException: You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'SET ...=FROM_BASE64(@...)' at line 1`

Status: Fixed

Root Cause Description:

The SET command may have been written wrong

Solution Description:

Add better handling for the SET mysql command when dealing with multiple BINARIES.

Severity: 1

Components: Target, Worker Database

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker

OMF-454 Error migrating mail forward accounts

Fixed migrating mail forwards (LDAP).

Status: Fixed

Root Cause Description:

creating new mailforwards on target was using the source context id

Solution Description:

use the target context id

Severity: 3

Components: Worker Cloud-Plugins

Affected Packages: open-xchange-omf-worker

OMF-455 Running into timeouts when recalculating filestore usage

Introduce properties in `omf-worker.properties` to configure the timeouts to use to invoke the REST API that triggers to recalculate filestore usage, specifically the "slow" timeout.

Status: Fixed

Root Cause Description:

The hard-coded 1m read timeout is not sufficient for the filestore quota usage recalculate to complete for large contexts.

Solution Description:

Use configurable timeouts and a slow client timeout implemented in OMF-456

Severity: 1

Components: Worker Files

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker

3 Changes relevant for Operators

3.1 Changes of Configuration Files

Change #1 /opt/open-xchange/etc/omf-worker-https.properties

(FILE REMOVED)

Package: open-xchange-omf-target

Change #10 /opt/open-xchange/etc/omf-worker-logic.properties

(FILE REMOVED)

Package: open-xchange-omf-worker

Change #11 /opt/open-xchange/etc/omf-dmf-client.properties

(FILE REMOVED)

Package: open-xchange-omf-worker

Change #12 /opt/open-xchange/etc/omf-worker-mail.properties

(FILE REMOVED)

Package: open-xchange-omf-worker

Change #13 /opt/open-xchange/etc/omf-worker-zookeeper.properties

(FILE REMOVED)

Package: open-xchange-omf-worker

Change #14 /opt/open-xchange/etc/omf-feature-mapping.yml

```
+version: 1
+defaultMappings:
+ permissionMappings:
+ configCascadeMappings:
```

Package: open-xchange-omf-worker

Change #15 /opt/open-xchange/etc/omf-kafka.properties

(FILE REMOVED)

Package: open-xchange-omf-worker

Change #16 /opt/open-xchange/etc/omf-worker.properties

```
+com.openexchange.omf.worker.config.mode=
+com.openexchange.omf.worker.zookeeper.address=
+com.openexchange.omf.worker.zookeeper.group.id=
+com.openexchange.omf.worker.zookeeper.member.id=
+com.openexchange.omf.worker.zookeeper.auth.user=
+com.openexchange.omf.worker.zookeeper.auth.password=
+com.openexchange.omf.ssl.truststore.file=
+com.openexchange.omf.ssl.truststore.password=
```

```
+com.openexchange.omf.http.connect.timeout=1m
+com.openexchange.omf.http.read.timeout=5m
+com.openexchange.omf.http.write.timeout=5m
+com.openexchange.omf.http.slow.read.timeout=30m
+com.openexchange.omf.http.slow.write.timeout=30m
+com.openexchange.omf.worker.premigration.user.quota.mode=user
+com.openexchange.omf.worker.premigration.user.quota.keepIfPresent=false
+com.openexchange.omf.worker.premigration.user.quota.defaultQuota=1000
+com.openexchange.omf.worker.premigration.user.deliveryStatus=ORIGINAL
+com.openexchange.omf.worker.cloudplugins.enabled=true
+com.openexchange.omf.worker.cloudplugins.user.quota.mode=user
+com.openexchange.omf.worker.cloudplugins.user.quota.keepIfPresent=true
+com.openexchange.omf.worker.cloudplugins.user.quota.defaultQuota=1000
+com.openexchange.omf.worker.cloudplugins.status.hold.override=false
+com.openexchange.omf.worker.cloudplugins.status.enforce.failed.migration=true
+com.openexchange.omf.worker.cloudplugins.status.enforce.failed.migration.with=ORIGIN
+com.openexchange.omf.worker.files.parallel.threads=auto
+com.openexchange.omf.worker.files.check.source.missingFiles=false
+com.openexchange.omf.worker.files.check.target.missingFiles=false
+com.openexchange.omf.worker.logic.update.deliveryStatus=true
+com.openexchange.omf.worker.logic.keep.deliveryStatus=false
+com.openexchange.omf.worker.logic.failed.deliveryStatus=ORIGINAL
+com.openexchange.omf.worker.batch.default.max.duration=1h
+com.openexchange.omf.worker.logic.unlock.successful.source=false
+com.openexchange.omf.worker.logic.max.unlock.attempts=3
+com.openexchange.omf.worker.logic.keep.going.min=1
+com.openexchange.omf.worker.logic.keep.going.percentage=50
+com.openexchange.omf.worker.mail.presync.poll.interval.ms=
+com.openexchange.omf.worker.mail.cutover.poll.interval.ms=
+com.openexchange.omf.worker.mail.dmf.url=
```

Package: open-xchange-omf-worker

Change #17 /opt/open-xchange/etc/sql-client.d/omf-client-pools.yaml

```
+ connectionTimeout: 15000
- connectTimeout: 15000
- socketTimeout: 14000
```

Package: open-xchange-omf-worker

Change #2 /opt/open-xchange/etc/omf-target.properties

```
+com.openexchange.omf.target.provision.target._=
+com.openexchange.omf.ssl.truststore.file=
+com.openexchange.omf.ssl.truststore.password=
+com.openexchange.omf.http.connect.timeout=1m
+com.openexchange.omf.http.read.timeout=5m
+com.openexchange.omf.http.write.timeout=5m
+com.openexchange.omf.http.slow.read.timeout=30m
+com.openexchange.omf.http.slow.write.timeout=30m
+com.openexchange.omf.target.sql.migration.url=
+com.openexchange.omf.target.sql.migration.user=
+com.openexchange.omf.target.sql.migration.password=
+com.openexchange.omf.target.files.migration.concurrency.global.limit=25
+com.openexchange.omf.target.files.migration.concurrency.single.limit=5
```

Package: open-xchange-omf-target

Change #3 /opt/open-xchange/etc/omf-target-dualprovision.properties

(FILE REMOVED)

Package: open-xchange-omf-target

Change #4 /opt/open-xchange/etc/omf-target-files.properties

(FILE REMOVED)

Package: open-xchange-omf-target

Change #5 /opt/open-xchange/etc/omf-target-premigration.properties

(FILE REMOVED)

Package: open-xchange-omf-target

Change #6 /opt/open-xchange/etc/omf-worker-client.properties

(FILE REMOVED)

Package: open-xchange-omf-worker

Change #7 /opt/open-xchange/etc/omf-worker-cloudplugins.properties

(FILE REMOVED)

Package: open-xchange-omf-worker

Change #8 /opt/open-xchange/etc/omf-worker-config.properties

(FILE REMOVED)

Package: open-xchange-omf-worker

Change #9 /opt/open-xchange/etc/omf-worker-files.properties

(FILE REMOVED)

Package: open-xchange-omf-worker

3.2 Changes of Behavior

Change #OMF-11 List contexts and users

Status: Done

Resolution: Done

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker

Change #OMF-282 Custom Trust Store Support in Worker

Status: Done

Resolution: Done

Components: Worker General

Labels: estimated

Source Directory: test-com.openexchange.omf.client

Change #OMF-291 Migrate Drive files with User File Storage

Status: Done

Resolution: Done

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker**Change #OMF-294 Delete and ignore context mapping rows that are marked for deletion**

Status: Done

Resolution: Done

Components: Worker General

Labels: estimated

Affected Packages: open-xchange-omf-worker

Change #OMF-328 Align Migration Terms

Status: Done

Resolution: Done

Affected Packages: open-xchange-omf-worker

Change #OMF-332 Transparent Double-Provisioning / Target bundle serving REST API

Status: Done

Resolution: Done

Components: Target

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker**Change #OMF-335 New Phase: Pre-Provisioning / Worker**

Status: Done

Resolution: Done

Components: Worker Database, Worker General

Affected Packages: open-xchange-omf-worker

Change #OMF-338 Replace MigrationPhase with distinct flags

Status: Done

Resolution: Done

Components: Orchestrator, Scheduler, Worker General

Affected Packages: open-xchange-omf-worker

Change #OMF-346 Move files into user file store or context file store

Status: Done

Resolution: Done

Components: Target, Worker Files

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker**Change #OMF-349 Rename the term double to dual**

Status: Done

Resolution: Done

Components: Source, Target

Affected Packages: open-xchange-omf-target

Change #OMF-350 Remove all generated files from git

Status: Done

Resolution: Done

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker**Change #OMF-351 File Migration: support for compositionSpaceKeyStorage files**

Status: Done

Resolution: Done

Change #OMF-352 Call Cloud-Plugins setmailquota for user file storage

Status: Done

Resolution: Done

Components: Target, Worker General

Affected Packages: open-xchange-omf-worker

Change #OMF-354 Store Source properties in migration databases

Status: Done

Resolution: Done

Components: Scheduler, Worker General

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker

Change #OMF-356 Support any oxDeliveryStatus implementation

Status: Done

Resolution: Done

Components: Worker Cloud-Plugins

Labels: oxDeliveryStatus

Affected Packages: open-xchange-omf-worker

Change #OMF-357 Restore previous oxDeliveryStatus value when cutover fails

Status: Done

Resolution: Done

Components: Worker Cloud-Plugins

Labels: oxDeliveryStatus

Affected Packages: open-xchange-omf-worker

Change #OMF-359 Split Source and Target

Status: Done

Resolution: Done

Components: Orchestrator, Scheduler, Worker General

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker

Change #OMF-360 Target Metadata REST API

Status: Done

Resolution: Done

Components: Target

Affected Packages: open-xchange-omf-target

Change #OMF-361 Post-Process Capabilities and Permissions (First Iteration)

Status: Done

Resolution: Done

Components: Worker Database

Affected Packages: open-xchange-omf-target
open-xchange-omf-worker

Change #OMF-362 Ensure that oxDeliveryStatus is set to ORIGINAL before changing it to HOLD

Status: Done

Resolution: Done

Components: Worker Cloud-Plugins

Labels: oxDeliveryStatus

Affected Packages: open-xchange-omf-worker

Change #OMF-363 Ensure that oxDeliveryStatus is not set to OXAAS or empty after a failed

migration

Status: Done

Resolution: Done

Components: Worker Cloud-Plugins

Labels: oxDeliveryStatus

Affected Packages: open-xchange-omf-worker

Change #OMF-364 Check consistency on source/target while in lock of cutoff

Status: Done

Resolution: Done

Affected Packages: open-xchange-omf-target

open-xchange-omf-worker

Change #OMF-365 Cache Retrofit Objects

Status: Done

Resolution: Done

Components: Worker General

Affected Packages: open-xchange-omf-worker

Change #OMF-367 Set oxDeliveryStatus when provisioning users

Status: Done

Resolution: Done

Components: Target

Labels: oxDeliveryStatus

Affected Packages: open-xchange-omf-worker

Change #OMF-368 Consolidate Configuration Files

Status: Done

Resolution: Done

Components: Target, Worker General

Affected Packages: open-xchange-omf-target

open-xchange-omf-worker

Change #OMF-370 Make the parallelization of file migration operations configurable

Status: Done

Resolution: Done

Affected Packages: open-xchange-omf-worker

Change #OMF-377 Enable Cloud-Plugins Support by Default

Status: Done

Resolution: Done

Components: Worker Cloud-Plugins

Affected Packages: open-xchange-omf-target

open-xchange-omf-worker

Change #OMF-424 Build target against multiple Core versions

Status: Done

Resolution: Done

Components: Target, Worker General

Source Directory: Jenkinsfile

Change #OMF-456 Configurable timeouts for REST Client

Status: Done

Resolution: Done

Components: Target, Worker General

Affected Packages: open-xchange-omf-target

open-xchange-omf-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 T1689701 Installation (2.0.0)

Status: Passed

Test T1689702 source context list (2.0.0)

Status: Passed

Lists all contexts on the source system

Test T1689703 source context show (2.0.0)

Status: Passed

Shows the migration details of the specified context

Test T1689704 source create (2.0.0)

Status: Passed

Creates a source

Test T1689705 source delete (2.0.0)

Status: Passed

Deletes the specified source

Test T1689706 source list (2.0.0)

Status: Passed

Lists all sources

Test T1689707 source show (2.0.0)

Status: Passed

Shows the details of the specified source

Test T1689708 source update (2.0.0)

Status: Passed

Test T1689709 window create (2.0.0)

Status: Passed

Creates a window

Test T1689710 window batch list (2.0.0)

Status: Passed

Lists all batch identifiers of a given window

Test T1689711 window batch show (2.0.0)

Status: Passed

Shows the details of the specified batch

Test T1689712 window context list (2.0.0)

Status: Passed

Lists all context identifiers of a given window

Test T1689713 window context show (2.0.0)

Status: Passed

Shows the details of the specified context

Test T1689714 window delete (2.0.0)

Status: Passed

Deletes the specified window

Test T1689715 window latest (2.0.0)

Status: Passed

Shows the details of the latest window

Test T1689716 window list (2.0.0)

Status: Passed

Lists all window identifiers

Test T1689717 window report (2.0.0)

Status: Passed

Gives a report of the status of all contexts in the window

Test T1689718 window show (2.0.0)

Status: Passed

Shows the details of the specified window

Test T1689719 fill-first migration strategy (2.0.0)

Status: Passed

Test T1689720 fill-equal migration strategy (2.0.0)

Status: Passed

Test T1689721 Mails (2.0.0)

Status: Passed

Test T1689722 Folders (2.0.0)

Status: Passed

Test T1689723 Mail Attachments (2.0.0)

Status: Passed

Test T1689724 Signatures (2.0.0)

Status: Passed

Test T1689725 Private Calendars (2.0.0)

Status: Passed

Test T1689726 Public Calendars (2.0.0)

Status: Passed

Test T1689727 Simple Appointments (2.0.0)

Status: Passed

Test T1689728 All-day Appointments (2.0.0)

Status: Passed

Test T1689729 Recurring Appointments (2.0.0)

Status: Passed

Test T1689730 External Mail Accounts (2.0.0)

Status: Passed

Test T1689731 Private task folder (2.0.0)

Status: Passed

Test T1689732 Public task folder (2.0.0)

Status: Passed

Test T1689733 Simple Tasks (2.0.0)

Status: Passed

Test T1689734 Tasks with attachments (2.0.0)

Status: Passed

Test T1689735 Private contact folder (2.0.0)

Status: Passed

Test T1689736 Public contact folder (2.0.0)

Status: Passed

Test T1689737 Simple Contacts (2.0.0)

Status: Passed

Test T1689738 Contacts with attachments (2.0.0)

Status: Passed

Test T1689739 Distribution lists (2.0.0)

Status: Passed

Test T1689740 Shared Calendar (2.0.0)

Status: Passed

Test T1689741 Private folders (2.0.0)

Status: Passed

Test T1689742 Public folders (2.0.0)

Status: Passed

Test T1689743 Shared folders (2.0.0)

Status: Passed

Test T1689744 Subfolders (2.0.0)

Status: Passed

Test T1689745 Multiple file versions (2.0.0)

Status: Passed

Test T1689746 Shared task folder (2.0.0)

Status: Passed

Test T1689747 Shared contact folder (2.0.0)

Status: Passed

Test T1689748 window create -only-not-migrated (2.0.0)

Status: Passed

Test T1689749 window create -num-contexts (2.0.0)

Status: Passed

Test T1689750 window create -pct-contexts (2.0.0)

Status: Passed

Test T1689751 source context list -migrated (2.0.0)

Status: Passed

Test T1689752 source context list -not-migrated (2.0.0)

Status: Passed

Test T1689753 source context list -range (2.0.0)

Status: Passed

With -r / -range , one can limit which contexts are displayed, by their source context identifier

Test T1689754 source context list -target-range (2.0.0)

Status: Passed

With option -R / -target-range , one can limit which contexts are displayed, by their target context identifier (and hence implicitly limits the display to contexts that have at least been pre-synced once)

Test T1689755 source context list -overview (2.0.0)

Status: Passed

Output format can be selected using the option -O / -overview , which additionally displays a count of migrated vs non-migrated contexts as well as their respective percentage

Test T1689756 7.8.4 - 7.10.4 (2.0.0)

Status: Passed

Test T1689757 7.10.1 - 7.10.4 (2.0.0)

Status: Passed

Test T1689758 7.10.2 - 7.10.4 (2.0.0)

Status: Passed

Test T1689759 7.10.3 - 7.10.4 (2.0.0)

Status: Passed

Test T1689760 7.10.4 - 7.10.4 (2.0.0)

Status: Passed

Test T1689761 7.8.4 - 7.10.5 (2.0.0)

Status: Passed

Test T1689762 7.10.1 - 7.10.5 (2.0.0)

Status: Passed

Test T1689763 7.10.2 - 7.10.5 (2.0.0)

Status: Passed

Test T1689764 7.10.3 - 7.10.5 (2.0.0)

Status: Passed

Test T1689765 7.10.4 - 7.10.5 (2.0.0)

Status: Passed

Test T1689766 source sync (2.0.0)

Status: Passed

Synchronize sources with migration databases

Test T1689767 target create (2.0.0)

Status: Passed

Creates a target

Test T1689768 target delete (2.0.0)

Status: Passed

Deletes the specified target

Test T1689769 target list (2.0.0)

Status: Passed
List all targets

Test T1689770 target show (2.0.0)

Status: Passed

Test T1689771 target sync (2.0.0)

Status: Passed
Synchronize targets with migration databases

Test T1689772 target update (2.0.0)

Status: Passed

Test T1689773 Delete contexts (2.0.0)

Status: Passed

Test T1689774 ModuleAccess migration (2.0.0)

Status: Passed

Test T1689775 window create (flag combinations) (2.0.0)

Status: Passed

Test T1689776 window close (2.0.0)

Status: Passed
Closes the specified window

Test T1689777 Capability migration (2.0.0)

Status: Passed

Test T1689778 Change contexts (2.0.0)

Status: Passed

Test T1689779 Create contexts (2.0.0)

Status: Passed

Test T1689780 Create users (2.0.0)

Status: Passed

Test T1689781 Change users (2.0.0)

Status: Passed

Test T1689782 Delete users (2.0.0)

Status: Passed

5 Fixed Bugs

OMF-339, OMF-340, OMF-369, OMF-407, OMF-411, OMF-412, OMF-414, OMF-421, OMF-434, OMF-439, OMF-442, OMF-450, OMF-454, OMF-455,