TapeTrack Reconciliation Report

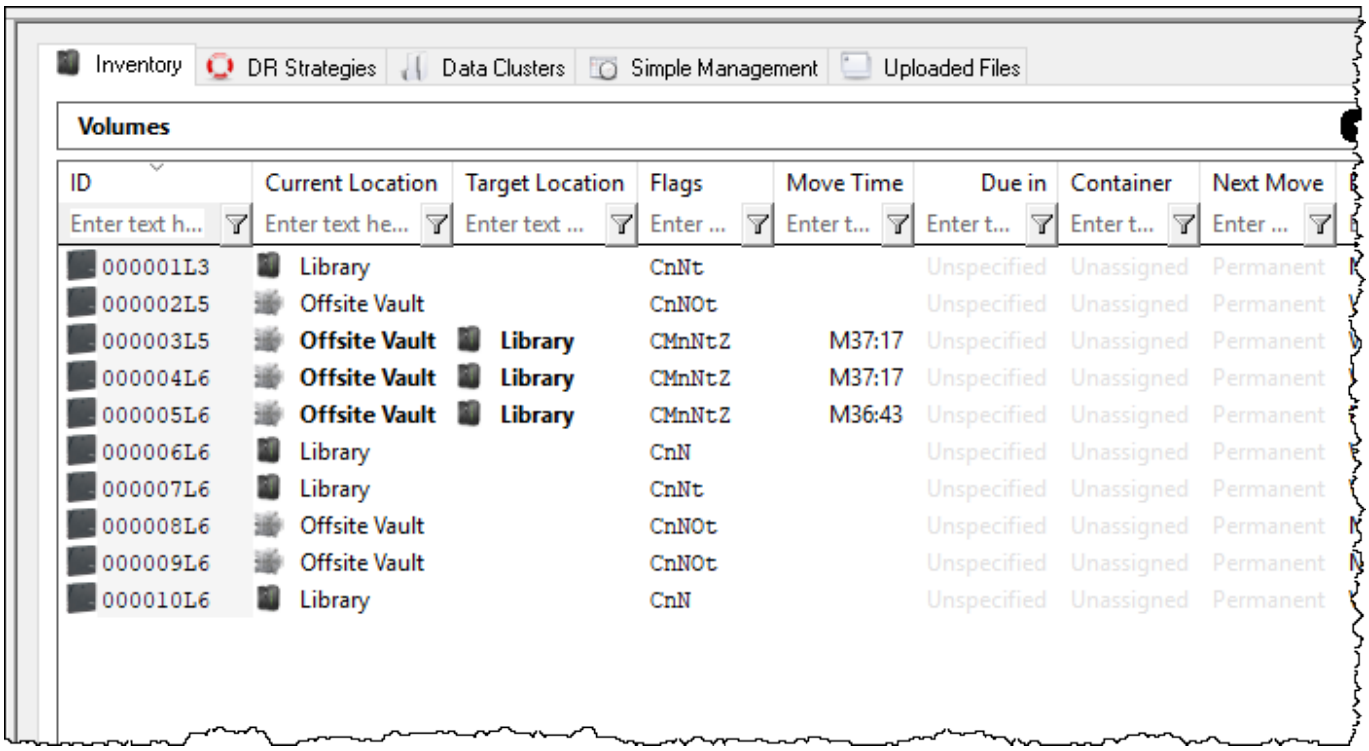
The TapeTrack Reconciliation Report is created by the Command Line Program TMSS10Reconcile.

The program runs in 4 sequential phases:

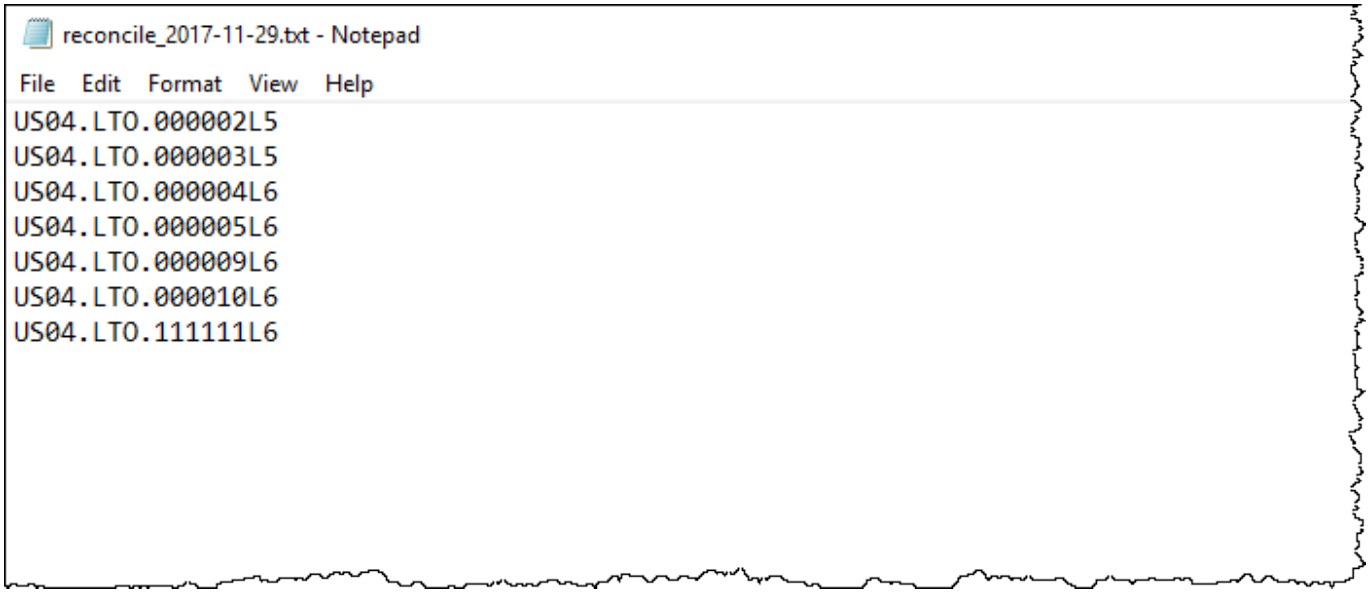
- **Phase 1** Load of the TapeTrack Scan-Map from a Scan-File.
- **Phase 2** Reconciliation of the Scan-Map.
- **Phase 3** Listing of unreferenced Scan-Map items.
- **Phase 4** Report Production.

Report Input

TapeTrack Customer Status



Scan-File



Report Sections

Load of Scan-Map

The purpose of this phase is to load a TapeTrack Scan-File and resolve each of the a Scan-File Entries into a Fully Qualified TapeTrack Barcode.

As the Scan-File is loaded, a Scan-Map is created.

Alternatively, rather than loading the Scan-Map from a Scan-File, the TapeTrack Import Engine can be used to load the Scan-Map. This facilitates loading from Fixed Length Reports, CSV Files and ODBC Data Sources.

The Fully Qualified TapeTrack Barcode can be resolved from an Unqualified Barcode or an Extended Attribute.

```
             System: TapeTrack
 Report Description: Phase 1: Load Scan-Map from Scan-File
    Production Time: Monday, March 19, 2018 - 10:09:27 (AUS Eastern Daylight
Time)
       Report Width: 149 bytes

 Seq.   Record Barcode                                  Resolved As
Status Notes
 ------ ------ ---------------------------------------- --------------------
------ -------------------------
      1      1 US04.LTO.000002L5                        US04.LTO.000002L5
OK
      2      2 US04.LTO.000003L5                        US04.LTO.000003L5
OK
      3      3 US04.LTO.000004L6                        US04.LTO.000004L6
OK
      4      4 US04.LTO.000005L6                        US04.LTO.000005L6
```

```
OK
      5      5 US04.LTO.000009L6                          US04.LTO.000009L6
OK
      6      6 US04.LTO.000010L6                          US04.LTO.000010L6
OK
      7      7 US04.LTO.111111L6                          US04.LTO.111111L6
OK
 ------ ------ ---------------------------------------- --------------------
------ -------------------------
```

Reconcile of TapeTrack Volumes

The purpose of this phase is to list all of the Volumes that are either in, moving to, or unexpected in the specified Repository.

The following statuses may result:

- **Reconciled** if the Volume is in the Target Repository, is in the Scan-Map and not moving.
- **Reconciled (Confirmed)** if the Volume is moving into the specified Repository and is in the Scan-Map. The Volume will be Confirmed into the Volume's Target Repository in the TapeTrack database.
- **Absent from Scan-Map** if the Volume is confirmed into the specified Repository and is not present in the Scan-Map. An Audit Flag will be assigned to the Volume.
- **Pending Confirmation** if the Volume is in a move status out from the specified Repository and is not overdue at the Target Repository.
- **Overdue at Target** if the Volume is in a move status to the specified Repository, is not in the Scan-Map and is now overdue at the Target Repository.
- **Unexpected in Scan-Map** Present in the Scan-Map but not present at, or moving to, the Target Repository.



Report headings and spacing have been edited to fit information on web formatting

```
            System: TapeTrack
 Report Description: Phase 2: Reconcile TapeTrack Volumes against Scan-Map
       Report Notes: Repository OFFS
    Production Time: Monday, March 19, 2018 - 10:21:34 (AUS Eastern Daylight
Time)
       Report Width: 169 bytes

Seq Barcode            Current Rep    Target Rep   Move Time  Overdue
Scanned Status  Notes
--- ------------------ -------------- ----------- ----------- ------- ------
- ------  ----------------------
 1  US04.LTO.000002L5  Offsite Vault                          No      Yes
OK      Reconciled
 2  US04.LTO.000003L5  Offsite Vault  Library       H1:10:39  No      Yes
OK      Pending confirmation
 3  US04.LTO.000004L6  Offsite Vault  Library       H1:10:39  No      Yes
```

```
OK      Pending confirmation
 4  US04.LTO.000005L6  Offsite Vault  Library       H1:10:05  No      Yes
OK      Pending confirmation
 5  US04.LTO.000008L6  Offsite Vault                          No      No
NOT-OK  Absent from Scan-Map
 6  US04.LTO.000009L6  Offsite Vault                          No      Yes
OK      Reconciled
 7  US04.LTO.000010L6  Library                                No      Yes
NOT-OK  Unexpected in Scan-Map
 -- ----------------- ------------- ----------- ----------- ------- ------
- ------  ----------------------
```

Following the example data at the top of page we have:

- Volumes `000002L5` and `000009L6` are referenced as **Reconciled** as they are in the Scan-Map, and confirmed in the current Repository (Offsite Vault).
- Volumes `000003L5`, `000004L6` and `000005L6` are referenced as **Pending confirmation** as they are in the Scan-Map, and in a move from the current Repository but not yet confirmed at the target Repository.
- Volumes `000008L6` is referenced as **Absent from Scan-Map** as it appears in TapeTrack as at the current Repository but is absent from the Scan-Map. This shows the Volume is either somewhere it shouldn't be or is missing and as such is given a status of **NOT-OK** and is given an audit flag for further investigation.
- Volume `000010L6` is referenced as **Unexpected in Scan-Map** as it is present in the Scan-Map as being at the current Repository but shown in TapeTrack as being confirmed at another Repository. As such is given a status of **NOT-OK** and is given an audit flag for further investigation.



Status strings may be customized using TMSSRECONCILETEXT variables.

Unreferenced Scan-Map Entries

This report shows Volumes that are in the Scan-Map, but are not known to TapeTrack.

```
             System: TapeTrack
 Report Description: Phase 3: Unreferenced Scan-Map entries
    Production Time: Monday, March 19, 2018 - 10:21:34 (AUS Eastern Daylight
Time)
       Report Width: 29 bytes

 Seq.   Barcode
 ------ --------------------
      1 US04.LTO.111111L6
 ------ --------------------
```

Reasons for this error could be:

- Volume does not belong to you but has been included with your Volumes by operator error.

- Manually produced Scan-File with a typo on a Volume ID.
- Volume added to inventory but not entered into TapeTrack.

Reconciliation Statistics

This report shows the final statistics for the Reconciliation process.

```
            System: TapeTrack
 Report Description: Phase 4: Reconciliation Statistics
    Production Time: Monday, March 19, 2018 - 10:21:34 (AUS Eastern Daylight
Time)
       Report Width: 75 bytes

 Metric                                                        Count
 ------------------------------------------------------------ ------------
 Phase 1: Read from Scan-File                                        7
 Phase 1: Loaded successfully from Scan-File                         7
 Phase 1: Loaded unsuccessfully from Scan-File                     + 0
 ------------------------------------------------------------ ------------
 Phase 2: Reconciled                                                 2
 Phase 2: Reconciled (Confirmed)                                     0
 Phase 2: Confirmation Bypass                                        0
 Phase 2: Pending confirmation                                       3
 Phase 2: Out of scope                                               3
 Phase 2: Absent from Scan-Map                                     + 1
 Phase 2: Unexpected in Scan-Map                                   + 1
 Phase 2: Overdue at subject repository                            + 0
 Phase 2: Overdue at target repository                             + 0
 ------------------------------------------------------------ ------------
 Phase 3: Unreferenced Scan-Map items                              + 1
 ------------------------------------------------------------ ------------
 Phase 4: Total Errors                                               3
 ------------------------------------------------------------ ------------
```

Phase 1

Reads in Volume-ID's from the Scan-File, parses them (depending on format) into Customer-ID, Media-ID and Volume-ID. Metrics are then displayed as the number of Volumes successfully and unsuccessfully loaded ready for reconciliation in phase two.

With the example data, all 7 entries were successfully loaded as fully qualified barcodes from the Scan-File into the Scan-Map ready for reconciliation.

Phase 2



Status strings (Reconciled, Reconciled (Confirmed) etc) may be customized using



TMSSRECONCILETEXT variables

- **Reconciled** shows number of Volumes present in Scan-Map and confirmed at subject Repository.
- **Reconciled (Confirmed)** shows number of Volumes confirmed into subject Repository that were in a move to there and present in Scan-Map.
- **Confirmation Bypass** (set as an Attribute in TMSS10Reconcile) shows the number of Volumes moving to subject Repository and present in Scan-Map but not confirmed.
- **Pending confirmation** shows number of Volumes present in Scan-Map, in a move status out of subject Repository and yet to be confirmed at target Repository.
- **Out of scope** shows the number of Volumes in the customers inventory that are not referenced in the Scan-Map and are listed in TapeTrack as being not confirmed in, moving to or from the subject Repository.
- **Absent from Scan-Map** show the number of Volumes expected to be either in, moving to or moving from the subject Repository that are not listed in the Scan-Map.
- **Unexpected in Scan-Map** shows the number of Volumes present in the Scan-Map that, in TapeTrack, are not present in, moving to or moving from the subject Repository.
- **Overdue at subject repository** shows the number of Volumes present in the Scan-Map that are moving to the subject Repository but have exceeded the time threshold to complete the move.
- **Overdue at target repository** shows the number of Volumes present in the Scan-Map that are moving from the subject Repository but have exceeded the target Repository's time threshold to complete the move.

Phase 3

Unreferenced Scan-Map Items shows the number of Volumes that are present in the Scan-Map but don't exist within the customers target media.

Phase 4

Total Errors shows the total accumulated errors from the reconciliation process.

Movement Aging Report

This report shows statistics on Volumes that remain in a move status after the reconciliation has completed.

```
             System: TapeTrack
 Report Description: Phase 4: Movement Aging Report
    Production Time: Monday, March 19, 2018 - 10:21:34 (AUS Eastern Daylight
Time)
       Report Width: 40 bytes

 Duration             Incoming Outgoing
 -------------------- -------- --------
```

```
less than 1 day              0        3
less than 2 days             0        0
less than 3 days             0        0
less than 4 days             0        0
less than 5 days             0        0
less than 6 days             0        0
less than 7 days             0        0
less than 8 days             0        0
less than 9 days             0        0
9 or more days               0        0
-------------------- -------- --------
```

In the example data, these are the Volumes 000003L5, 000004L6 and 000005L6 which are in a move status (one day) out of the subject Repository but not yet confirmed into their target Repository.

update doco

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https://docs.tapetrack.com/ - **TapeTrack Documentation**

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