

# Add Remove Flags Based Off Last Read Time

Add or Remove Flags based off last read time of Volumes using TMSS10ModifyFlags and a config file.

The purpose of this method allows you to lock any Volumes in your Library that have been recalled for data restoration and then automatically remove the move lock once the last read time passes a set number of days. The Sync can then place the Volumes in a move back to the offsite vault until the data expires.

The process involves TMSS10ModifyFlags loading an input file, using a definition file, to extract the Volume-ID's. The Volume-ID's are then filtered using the configuration file and adding any qualifying Volumes to a scan file.

The scan file is then processed, adding or removing the defined Flags against the scan list Volumes.

## Sample Files

### Input file - Volumes.csv

```
100001L5,OFFS,2021/07/15 22:10:33
100002L5,OFFS,2021/07/25 22:10:34
100003L5,OFFS,2021/07/25 22:10:35
100004L5,OFFS,2021/07/25 22:10:36
100005L5,OFFS,2021/07/28 22:10:37
100006L5,OFFS,2021/06/15 22:10:38
100007L5,OFFS,2021/06/16 22:10:39
100008L5,OFFS,2021/06/17 22:10:40
100009L5,OFFS,2021/06/18 22:10:41
100010L5,OFFS,2021/06/19 22:10:42
```

### Definition file - default.ttidef

The definition file provides the information on how to extract the Volume-ID from the input file into the barcode field, as well as setting the Customer-ID and Media-ID.

```
# Set input file (use full path if not in current directory)
setFile(volumes.csv);

# Set delimiter used in CSV file
setCSVDelimiter(",");

# Set Customer-ID
setLiteral(CUSTOMER, 0002);

#Set Media-ID
setLiteral(MEDIA, LT0);
```

```
# Extract Volume-ID into BARCODE field
extract(BARCODE, 1, 8, 0);
```

### Configuration file - last\_read.cfg

Configuration file sets definition file for translating and extracting Volume-ID's and filters input by Customer-ID (0002), Media-ID (LTO). The last read time is then compared to the lastreadtime filter, if the last read time is 30 or more days ago, the Volume is added to the scan file, if not it is discarded.

```
traversal =
{
  scanfile= { file="default.ttidef"; };
  customer =
  (
    {
      id="0002";
      media =
      (
        {
          id="LTO";
          volume =
          (
            {
              id="*";
              lastreadtime = "P:*-30";
              skip=false;
            },
            {
              id="*";
              skip=true;
            }
          );
        }
      );
    }
  );
};
```

### Batch file - run\_remove\_lock\_flag.bat

Run TMSS10ModifyFlags to remove lock flag from all Volumes in the input file with a last read date of 30 or more days ago. Using the Volume filter (-V) to only read in Customer-ID 0002 to save processing time by avoiding reading in all other Customer-ID's. Output from the process being written to stdout.txt and stderr.txt. The output files can be written to any directory by using full directory paths.

```
TMSS10ModifyFlags -S user:-password@server -F "!l" -c last_read.cfg -V
```

```
0002.LT0.* > modify_flags_stdout.txt 2> modify_flags_stderr.txt
```

### Example Output

modify\_flags\_std.txt

```

                System: TapeTrack
Report Description: Scan-File Load Report
  Production Time: Friday, July 30, 2021 - 10:36:51 (AUS Eastern Standard
Time)
  Report Width: 149 bytes

Seq.   Record Barcode           Resolved As
Status Notes
-----
1      1 100001L5                US02.LT0.100001L5
OK
2      2 100002L5                US02.LT0.100002L5
OK
3      3 100003L5                US02.LT0.100003L5
OK
4      4 100004L5                US02.LT0.100004L5
OK
5      5 100005L5                US02.LT0.100005L5
OK
6      6 100006L5                US02.LT0.100006L5
OK
7      7 100007L5                US02.LT0.100007L5
OK
8      8 100008L5                US02.LT0.100008L5
OK
9      9 100009L5                US02.LT0.100009L5
OK
10     10 100010L5              US02.LT0.100010L5
OK
-----

                System: TapeTrack
Report Description: Flag Modification Report
  Production Time: Friday, July 30, 2021 - 10:36:51 (AUS Eastern Standard
Time)
  Report Width: 156 bytes

Seq.   Barcode           Old Flags           New Flags
Message
-----

```

```
---
  1 US02.LT0.100006L5    C1Mn          CMn
Request OK
  2 US02.LT0.100007L5    C1Mn          CMn
Request OK
  3 US02.LT0.100008L5    C1Mn          CMn
Request OK
  4 US02.LT0.100009L5    C1Mn          CMn
Request OK
  5 US02.LT0.100010L5    C1Mn          CMn
Request OK
-----
-----
---
```

[technote](#), [config](#), [cli](#), [report](#)

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