

# 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 modify\_flags\_stdout.txt and modify\_flags\_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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