

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. Status	Record Notes	Barcode	Resolved As

OK	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

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. Message	Barcode	Old Flags	New Flags

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

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

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