Add Or Remove Flags Based Off Last Read Time

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

One 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, LTO);

# 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 written to any directory by using full directory paths.

```
TMSS10ModifyFlags -S user:-password@server -F "!l" -c last_read.cfg -V
0002.LTO.* > 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.LTO.100001L5
OK
      2      2 100002L5                                 US02.LTO.100002L5
OK
      3      3 100003L5                                 US02.LTO.100003L5
OK
      4      4 100004L5                                 US02.LTO.100004L5
OK
      5      5 100005L5                                 US02.LTO.100005L5
OK
      6      6 100006L5                                 US02.LTO.100006L5
OK
      7      7 100007L5                                 US02.LTO.100007L5
OK
      8      8 100008L5                                 US02.LTO.100008L5
OK
      9      9 100009L5                                 US02.LTO.100009L5
OK
     10     10 100010L5                                 US02.LTO.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.LTO.100006L5    ClMn                               CMn
Request OK
      2 US02.LTO.100007L5    ClMn                               CMn
Request OK
      3 US02.LTO.100008L5    ClMn                               CMn
Request OK
      4 US02.LTO.100009L5    ClMn                               CMn
Request OK
      5 US02.LTO.100010L5    ClMn                               CMn
Request OK
 ------ -------------------- ---------------------------------- --------------
------------------ ------------------------------------------------------------
---
```

technote, config, cli, report

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