



Rocket® Tape Copy

Automate Tape Migration, Virtual Tape Upgrades, Stacking, & Consolidations on z/OS

Automate VTL population/migration

Reduce tape media usage

Lower vault storage costs & amount of offsite media

Create secure encrypted copies

Recycle under-utilized stacked tapes

Maximum investment in robotic and virtual tape libraries

Rocket Tape/Copy uses the Tape Management System Catalog (TMC) VTLs and ATLs as the primary source of information, and interfaces with ATLs from all major robotic library vendors. The easy-to-use ISPF panels allow the user to define selection criteria and output tape characteristics to build jobs that copy or move tape data automatically. Used by tape data migration professionals worldwide, Tape/Copy is their software of choice based on the robust data set selection criteria, extensive reporting, and error recovery features.

Migrations. Migrations. Migrations.

Tape/Copy is used by the largest tape drive manufacturers in the world to address the migration needs of their clients. Tape/Copy has been used in migrations of all sizes and types. If you have a tape migration requirement, Tape/Copy is the solution.

Enhance ATL & VTL Performance

Tape/Copy jobs can be used to automatically move "idle" data out of the ATL by copying it to an outside tape without requiring that the tape be physically ejected from the ATL. It can also copy large data files from virtual tape to native tape to ensure optimum use of virtual tape space.

Maximize ROI of Tape Media Investment

Tape/Copy has intelligent stacking capabilities that allow you to select the data to stack and also specify the desired utilization percentage of the stacked tape. Tape/Copy also enables sorting of the stacked data by expiration date, grouping the data sets by the creating application, and more.

Ensure Data Integrity

Tape/Copy provides ESTAE protection for the conversion process to ensure that failed operations (I/O errors, missing multi-volume datasets, and so on) do not force a manual cleanup of the catalog and TMC. Tape/Copy backs out all changes to the tape so that the tape is in pre-conversion status.

All Tape Media Formats Supported

Tape/Copy automates the conversion of tape data sets from any tape media or device to any other tape media or device. Quickly converts old technology tape media to new, higher density media.

Retain Important Dataset Information

Tape/Copy copies the tape management catalog information from the input record to the output record to preserve the data set name, creation date/time, and last used date/time of the input record. Tape/Copy also makes all required system catalog updates.

Prevent Backend Tape Thrashing

Tape/Copy is able to use VTS volume information that is gathered from the IBM VTS Bulk Volume Information Retrieval (BVIR) facility to prevent backend tape thrashing by processing data sets in backend volume order.

Flexible Selection Criteria

Tape/Copy allows users to select the tape data sets to be copied or migrated based on a wide range of customizable options, including but not limited to the following:

- ❖ Data set name or pattern
- ❖ Expiration date
- ❖ Creation date
- ❖ Number of days idle
- ❖ ATL/VTL location
- ❖ Data set size

Primary Selection Panel

```

----- Rocket Tape/Copy System Rx.x.x -----
----- Candidate Selection -----
COMMAND ==>

Stacked File Qualification:  FIRST
(Process volume set if 1st file selected)

Dataset Size:  Min  ___0 B           Max  _100 G           Select on: GDG DSNs: YES_
Expiration Date: Min  ___30         Max  _99999         Multi-Volume: YES_
Create Date:    Min  ___0           Max  _99999         Stacked Files: YES_
Days Idle:     Min  ___3           Max  _99999         Robotic Tapes: YES_
Volser Range:  From: $___           To: 999999         Virtual Tapes: NO_
Media Type:    Input: ALL___        Output: 036         Uncataloged DSNs: NO_
Label Format:   Input: ALL___        Output: ASIS        Expiration Type: NO_
Compression:   Input: ALL___        Output: COMP___     Volume Age/Use: NO_

Edit  Pattern  Incl
/Sel  Type    /Excl  Dataset (containing the patterns)
S     DSNs    I     OT05.VAULTA.PATTERN.LIST
-     -      -     _____
-     -      -     _____
-     -      -     _____

ENTER to continue, PF3 to exit.
  
```

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----- ROCKET Tape/Copy System Rx.x.x -----
----- Conversion Job Parameters -----
COMMAND ==>
Save Conversion JCL to DSN:  OT05.TAPECOPY.CONVJCL

Inpu  ----- Rocket Tape/Copy System Rx.x.x -----
Data  ----- Stacked Output Options -----
      COMMAND ==>

Outp  Candidate Sort Field:  CXPDT None,Crtdt,Expdt,Cxpdt,DSN
Outp
Conv  Stack Control DSN Prefix: OT05.STKCNTRL___
Use
Conv  Output Tape Limit:      NONE
      Minimum Percent Used:  75
      Percent Used Cutoff:   95
      Users can control the
      output tape utilization

Co-Location Table:  APPLTBL_  Edit:  _
Report:             YES

Noti
ENTE  ENTER to continue, PF3 to exit.
  
```

Dataset Compare Report

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REL x.x.x PTF x          ROCKET TAPE/COPY          PROGRAM OT          TC0052
DATE:  xx/xx/xxxx  TIME:  xx:xx:xx          DATASET COMPARE REPORT          PAGE 1
***** FILE COMPARE NUMBER:  1  BELOW 2 FILES WILL BE COMPARED *****
DDNAME: DSN1 DSN: OT.DSN1.VB1.BL20000          FIRST VOLSER: 000063 FILE SEQ 00002
DDNAME: DSN2 DSN: OT.DSN2.VB2.BL20000          FIRST VOLSER: 000067 FILE SEQ 00002
HDR2 DCB INFORMATION WAS EQUAL
LAST 17 BYTES OF DSN FROM HDR1 LABELS NOT EQUAL DSN1: DSN1.VB1.BL20000 DSN2: DSN2.VB2.BL20000
TWO JFCB DSNs NOT EQUAL DSN1: OT.DSN1.VB1.BL20000          DSN2: OT.DSN2.VB2.BL20000
THE DATASETS COMPARED ARE NOT EQUAL !!!
THE LAST BLOCK READ ON EACH DATASET WAS NOT EQUAL
DATA IN BLOCK NUMBER:  1 IS DIFFERENT AT BYTE:  117
  
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Tape Conversion Forecast Report

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REL x.x.x PTF x          ROCKET TAPE/COPY          PROGRAM OT          TCCAND
DATE:  xx/xx/xxxx  TIME:  xx:xx:xx          TAPE CONVERSION FORECAST REPORT          PAGE 1
+-----CONVERSION---+ +---FILE +---DATA USED +CO-LOC+ +-----INPUT MEDIA STATISTICS-----+ +-----OUTPUT MEDIA FORECAST-----+
JOB NAME  MEMBER  COUNT  CAPACITY-GB  ID  TYPE  USED  CAPACITY-GB  %  FILES  TYPE  NEEDED  CAPACITY-GB  %  FILES
TCCOVJB1 JOB00001  178  13.607  0  NONVTS3  16  960.000  1.4  169  NONVTS3  1  30.000  45.4  177
TCCOVJB2 JOB00002  2,366  161.654  0  256  83  4,980.000  3.2  2,285  NONVTS3  6  180.000  89.8  2,365
TOTAL  2,544  175.261  99  5,940.000  3.0  2,454  7  210.000  83.5  2,542
SECONDARY FILE RECORDS NEEDED:  2,542  # of input tapes  # of output tapes
  
```

High Level Features and Benefits

- | | |
|--|---|
| Stacking | ❖ Unstack multi-file tapes to separate tapes, or extract single data sets from a stack and add data sets to previously stacked tapes with this high-level stacking functionality. |
| Populating & Managing Virtual Tape Environment | ❖ Experience faster ROI on virtual tape and robotic library investments with continuous management of the scratch levels which allow for automated vaulting of virtual tape data. |
| Preserving Data Integrity | ❖ Safe guard and prevent data corruption or loss during tape-to-tape copying with the candidate selection and conversion functionality. |
| Tape Condition Verification | ❖ Determine whether the tape media is reliable for use as an output tape. Also creates SL or NL labels to initialize a tape. |
| Analysis & Comparison | ❖ Analyze and map contents of tapes and compare datasets or entire volume sets. |

What We Support

Data:

- ❖ DB2
- ❖ DFSMSdss
- ❖ DFSMSHsm
- ❖ DMS (CA-Disk)
- ❖ FDR/ABR
- ❖ Mobius Infopac
- ❖ SAR (CA-View)
- ❖ SAS
- ❖ OAM

Tape Management Systems:

- ❖ CA-1
- ❖ Control-T (Control-M/Tape)
- ❖ DFSMSrmm
- ❖ TLMS
- ❖ ZARA (Automedia)

Automated Tape Library Interfaces:

- ❖ IBM VTS
- ❖ IBM ProtecTIER
- ❖ Oracle VSM
- ❖ EMC DLM
- ❖ Bus-Tech MDL
- ❖ Luminex
- ❖ Fujitsu TS Eternus CS
- ❖ IBM VTFM
- ❖ CA Vtape

Technical Specifications

Requires z/OS Release 1.12 or higher.

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