

# FDREPORT DFSMSrmm REPORTS

## FDREPORT Support of Tape Management Systems for RMM

FDREPORT 5.4L78 and higher is able to extract information from IBM's DFSMSrmm product and process, it just as it does for DASD related information. This information can be formatted, filtered, sorted, and summarized using FDREPORT's existing facilities.

### DFSMSrmm Tape Volume Fields

The DFSMSrmm fields related to tape volumes include:

- Basic information (e.g., volume serial, volume label, media type, density)
- Location information (e.g., home, current, old, required, type)
- Status information (e.g., retention/expiration values, date last accessed, date last written, last drive used, volume capacity, error counts)
- Access information (e.g., last changing user, owner, owner access authority, volume access authority)

### DFSMSrmm Tape Data Set Fields

The DFSMSrmm fields related to tape data sets include:

- Basic information (e.g., data set name, owner, volume serial, blocksize)
- Historical information (e.g., when was the data set created and by what job, step, and program; when and by what job, step, and program was the data set read or written)
- Size information (e.g., block counts)
- Operating system information (e.g., is the data set cataloged, was it deleted by the disposition specified, is it SMS managed)
- Management information (DFSMSrmm's Vital Record constructs)

## RMM REPORT #1:

When planning a tape migration to new physical tape or a VTS, this report can provide you the number of tapes in use, the tapes total capacity, and the actual amount currently in use as well as the media type being used. *Note that scratch tapes are excluded from this report and the field TVUSEBYT represents uncompressed bytes.*

FTP member: [FDREPORT\\_DFSMSrmm\\_Tape\\_Usage\\_by\\_MediaType.txt](#)

SUMMARY OF TAPE USAGE BY MEDIA TYPE			
SUBTOTAL -- TVMEDTYP--CST	TVVOLSER-----404	TVUSEBYT-----1.162T	TVCAPBYT-----0.448T
SUBTOTAL -- TVMEDTYP--EATC	TVVOLSER-----8	TVUSEBYT-----15.358T	TVCAPBYT-----31.000T
SUBTOTAL -- TVMEDTYP--EHPCT	TVVOLSER-----2680	TVUSEBYT-----111.626T	TVCAPBYT-----136.553T
SUBTOTAL -- TVMEDTYP--HPCT	TVVOLSER-----1605	TVUSEBYT-----38.627T	TVCAPBYT-----25.188T
FINAL TOTALS --	TVVOLSER-----4836	TVUSEBYT-----166.895T	TVCAPBYT-----194.391T

  

Media Type	
*	Unknown
EATC	Enterprise Advanced Tape Cart
ECCST	Enhanced Capacity Cartridge System Tape
EHPCT	Extended High Performance Cartridge Tape
EXTC	Enterprise Extended Tape Cartridge
HPCT	High Performance Cartridge Tape

  

TVVOLSER Total tape volumes	TVUSEBYT Total used capacity
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## RMM REPORT #2: DFSMSrmm tapes for a specific owner that are less than 50% full.

FTP member: [FDREPORT\\_DFSMSrmm\\_Tapes\\_for\\_Specific\\_Owner\\_less\\_than\\_Half\\_Full.txt](#)

TAPE VOLUMES FOR A SPECIFIC OWNER LESS THAN 50% FULL							
VOLSER	OWNER	VOLUSEBYTES	VOLCAPBYTES	%FU	MEDIANAM	MDREFORM	MEDIATYP
M61011	DMAINT	10830.131M	9999.221M	36	CART	128TRACK	HPCT
ST0126	DMAINT	75444.589M	39996.883M	36	CART	256TRACK	HPCT
M20902	DMAINT	5533.166M	9999.221M	27	CART	128TRACK	HPCT
...							

# FDREPORT

## DFSMsrm REPORTS

**RMM REPORT #3:** List of USTPROD.\*\* data sets on tape created in the past 2 days.

FTP member: [FDREPORT\\_DFSMSrmm\\_USTPROD\\_Data\\_Sets\\_Created\\_in\\_Past\\_Two\\_Days.txt](#)

USTPROD.** DATA SETS CREATED ON TAPE IN THE PAST 2 DAYS - EXTRACT DATE=2013.274							
DATA SET NAME	VOLSER	OWNER	CREATPGM	EXPDAT	CRDATE	CRDAY	
USTPROD. USTPRODA.REORG.USTCATLG.G0234V00	E40002	USTPRODA	USTMAIN	2013.273	2013.273	1	
USTPROD. USTPRODA.REORG.USTFILEI.G0317V00	E40003	USTPRODA	USTMAIN	2013.273	2013.273	1	
USTPROD.MAIL.COPYI1.G0880V00	ST0004	USTPRODP	USTMAIN	2013.274	2013.274	0	
USTPROD.MAIL.COPYI1.G0880V00	ST0014	USTPRODP	USTMAIN	2013.274	2013.274	0	
USTPROD.FS1.COPYF1.G0046V00	ST0020	USTPRODP	USTMAIN	2013.273	2013.273	1	
USTPROD.MAIL.COPYI1.G0880V00	ST0050	USTPRODP	USTMAIN	2013.274	2013.274	0	
USTPROD. USTPRODP.REORG.USTCATLG.G0231V00	ST0052	USTPRODP	USTMAIN	2013.274	2013.274	0	
USTPROD.FS1.COPYF1.G0046V00	ST0128	USTPRODP	USTMAIN	2013.273	2013.273	1	
USTPROD.MAIL.COPYI1.G0880V00	ST0142	USTPRODP	USTMAIN	1999.000	2013.274	0	
USTPROD.PROD.USTMIGIN.RETAIN.G0714V00	ST0142	USTPRODP	USTMAIN	2013.274	2013.274	0	
...							
FINAL TOTALS --							
VALUE SUMMARY OF TDVOLSER--- TOTAL NUMBER OF VALUES-----37							
TDVOLSER--E40002 (	1)	E40003 (	1)	ST0004 (	1)	ST0014 (	1)
ST0020 (	1)	ST0050 (	1)	ST0052 (	1)	ST0128 (	1)
...							

**RMM REPORT #4:** Report of all "CCR0\*\*" tape volsers that are in scratch status.

FTP member: [FDREPORT\\_DFSMSrmm\\_Specific\\_Tape\\_Volsers\\_in\\_Scratch\\_Status.txt](#)

SCRATCH VOLUMES CCR0**						
VVOLSER	VOLSTAT	MEDIANAM	MDREFORM	MEDIATYP	LWRDAT	LRDATE
CCR005	SCRATCH	CART	36TRACK	CST	2010.201	2013.088
CCR011	SCRATCH	CART	36TRACK	CST	2013.101	2013.101
CCR023	SCRATCH	CART	36TRACK	CST	2012.269	2012.269
CCR051	SCRATCH	CART	36TRACK	CST	2013.100	2013.100
CCR085	SCRATCH	CART	36TRACK	CST	2013.086	2013.086
...						
FINAL TOTALS --						
VALUE SUMMARY OF TVVOLSER--- TOTAL NUMBER OF VALUES-----5						

**RMM REPORT #5:** List of tape data sets created in the past 2 days.

FTP member: [FDREPORT\\_DFSMSrmm\\_Data\\_Sets\\_Created\\_in\\_Last\\_Two\\_Days.txt](#)

DATA SETS CREATED IN PAST 2 DAYS							
DATA SET NAME	VOLSER	OWNER	EXPDAT	CRDATE	CRTIME	BKSIZ	BLOCKCOUNT
A03.AA0139.CKPR.SPRMVRPT.SAPPHEXT.G2654V00	300159	CK2U05	2013.256	2013.251	01.01.32	27998	369
A03.AA0139.CKPR.SPRMVRPT.SAPPAEXT.G2654V00	300169	CK2U05	2013.256	2013.251	01.01.33	32264	432
A03.AA0139.CKPR.SPRMIGR.UTABLES.G0008V00	300212	IGB1HP	2013.254	2013.249	05.03.14	27998	2489
...							
A03.AA0139.CKPR.SPRZ025.AUXSEGH.G2935V00	487782	CK2U05	2013.254	2013.249	23.05.56	27998	44852
A03.AA0139.RESTART.SPRSTRPD.POLICIES	487784	CK2U05	2013.253	2013.249	23.06.15	27998	48539
A03.AA0139.CKPR.SPRZ025.AUXSEGH.G2935V00	487785	CK2U05	2013.254	2013.249	23.06.16	27998	47026
A03.AA0139.CKPR.SPRZ025.AUXSEGH.G2935V00	488011	CK2U05	2013.254	2013.249	23.06.42	27998	51212
A03.AA0139.RESTART.SPRSTRPD.POLICIES	488013	CK2U05	2013.253	2013.249	23.06.46	27998	46178
A03.AA0139.RESTART.SPRM016.BILLDUE2.BKUP	488123	CK2U05	2013.255	2013.250	21.30.58	27998	19316
A03.AA0139.CKPR.SPRZ019.AUXSEG1.G2903V00	488129	CK2U05	2013.255	2013.250	21.32.55	27998	56257
...							
FINAL TOTALS --							
VALUE SUMMARY OF TDVOLSER--- TOTAL NUMBER OF VALUES-----764							
TDVOLSER--300159 (	1)	300169 (	1)	300212 (	1)	300515 (	1)
300524 (	1)	300641 (	1)	300700 (	1)	300731 (	1)
300799 (	1)	300828 (	1)	301167 (	1)	301410 (	1)

**RMM REPORT #6:** List of tape GDGs for a specific owner.

FTP member: [FDREPORT\\_DFSMSrmm\\_GDGs\\_for\\_a\\_Specific\\_Owner.txt](#)

GDGS OWNED BY METO							
DATA SET NAME	VOLSER	OWNER	CRDATE	EXPDAT	RTDATE	BKSIZ	BLOCKCOUNT
A03.AA0139.CKPR.SPRRE.BILL.ACCUM.G0304V00	304622	CK2U05	2003.121	2013.168		32552	5314
A03.AA0139.CKPR.SPRRE.BILL.ACCUM.G0305V00	321899	CK2U05	2003.150	2013.197		32552	5990
A03.AA0139.CKPR.SPRRE.BILL.ACCUM.G0306V00	309022	CK2U05	2003.183	2013.230		32552	6721
A03.AA0139.CKPR.SPRRE.BILL.ACCUM.G0307V00	311549	CK2U05	2003.213	2013.260		32552	7500
...							

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## DFSMsrm REPORTS

### RMM REPORT #7:

DFSMShsm archive backup tapes created in the last 120 days.

FTP member: [FDREPORT\\_DFSMSrmm\\_DFSMShsm\\_Archive\\_Backup\\_Tapes.txt](#)

DFSMShsm ARCHIVE BACKUP FILES CREATED IN PAST 120 DAYS							
DATA SET NAME	VOLSER	OWNER	EXPDAT	CRDATE	CRDAY		
HSM.BACKTAPE.DATASET	003146	OMVSKERN	1999.365	2013.203	21		
HSM.BACKTAPE.DATASET	003420	OMVSKERN	1999.365	2013.203	21		
HSM.BACKTAPE.DATASET	D00178	OMVSKERN	1999.365	2013.178	112		
HSM.BACKTAPE.DATASET	D00179	OMVSKERN	1999.365	2013.178	112		
...							
HSM.BACKTAPE.DATASET	D00224	OMVSKERN	1999.365	2013.178	112		
HSM.BACKTAPE.DATASET	D00225	OMVSKERN	1999.365	2013.178	112		
FINAL TOTALS --							
VALUE SUMMARY OF TDVOLSER---	TOTAL NUMBER OF VALUES-----47						
TDVOLSER--D00178 (	1)	D00179 (	1)	D00183 (	1)	D00184 (	1)
D00185 (	1)	D00186 (	1)	D00187 (	1)	D00188 (	1)
D00189 (	1)	D00190 (	1)	D00191 (	1)	D00192 (	1)
D00193 (	1)	D00194 (	1)	D00195 (	1)	D00196 (	1)
D00197 (	1)	D00198 (	1)	D00199 (	1)	D00200 (	1)
D00201 (	1)	D00202 (	1)	D00203 (	1)	D00204 (	1)
D00205 (	1)	D00206 (	1)	D00207 (	1)	D00208 (	1)
D00209 (	1)	D00210 (	1)	D00211 (	1)	D00212 (	1)
D00213 (	1)	D00214 (	1)	D00215 (	1)	D00216 (	1)
D00217 (	1)	D00218 (	1)	D00219 (	1)	D00220 (	1)
D00221 (	1)	D00222 (	1)	D00223 (	1)	D00224 (	1)
D00225 (	1)	003146 (	1)	003420 (	1)		

### RMM REPORT #8:

DFSMsrm tapes with 20% or less utilized space. These physical tapes are possible candidates for consolidation.

FTP member: [FDREPORT\\_DFSMSrmm\\_Tapes\\_20%\\_or\\_Less\\_Used.txt](#)

#### OUTPUT

**OUTPUT: DFSMSRMM TAPES < 20% FULL ON 2013.245 AT 09.52.30T**

VVOLSER	%FU	VOLUSEBYTES	VOLCAPBYTES	MDREFORM	MEDIATYP
D00002	1	0.335M	838.861M	36TRACK	ECCST
D00146	1	0.151M	838.861M	36TRACK	ECCST
D00147	1	0.308M	838.861M	36TRACK	ECCST
D00150	1	0.540M	838.861M	36TRACK	ECCST
...					
M30806	19	2599.834M	9999.221M	128TRACK	HPCT
ST0006	19	13258.621M	39996.883M	256TRACK	HPCT
900008	19	2951.579M	9999.221M	*	HPCT

Media Recording Format	
*	Undefined
EEFMT4	Enterprise Encrypted Format 4
EFMT4	Enterprise Format 4

#### SUMMARY OUTPUT

**SUMMARY OUTPUT:**

TVUSEBYT	Volume Used Bytes
TVMEDRFM	Media Recording Format
TVMEDTYP	Media Type

FINAL TOTALS --  
TVUSEBYT-991977.606M

VALUE SUMMARY OF TVMEDRFM---	TOTAL NUMBER
TVMEDRFM--*	( 3)
EEFMT4	( 1)
EFMT4	( 2)
128TRACK	( 121)
256TRACK	( 48)
36TRACK	( 78)

Media Type	
*	Unknown
EATC	Enterprise Advanced Tape Cart
ECCST	Enhanced Capacity Cartridge System Tape
EHPCT	Extended High Performance Cartridge Tape
EXTC	Enterprise Extended Tape Cartridge
HPCT	High Performance Cartridge Tape

VALUE SUMMARY OF TVMEDTYP---	TOTAL NUMBER
TVMEDTYP--*	( 2)
EATC	( 1)
ECCST	( 78)
EHPCT	( 7)
EXTC	( 2)
HPCT	( 163)

### RMM REPORT #9:

DFSMsrm tape data sets on a specific tape volume.

FTP member: [FDREPORT\\_DFSMSrmm\\_Tape\\_Data\\_Set\\_Information.txt](#)

**TAPE DATA SET INFORMATION FOR TAPE BU1005 - DATE=2012.353**

DATA SET NAME	VOLSER	OWNER	EXPDAT	RTDATE	LWRDAT	DSEQN	LASTUJOB	LASTUPGM	CVC	CATV
USTPROD.SUNX862.COPYF2.G0131V00	BU1005	USTPRODP	2012.188		2012.188	1	USTPRODP	USTMAIN	2	BU11
USTPROD.SFTP.COPYF2.G0025V00	BU1005	USTPRODP	1999.000	2012.348	2012.188	2	USTPRODP	USTMAIN	0	
USTPROD.SCANSVRD.COPYF2.G0073V00	BU1005	USTPRODP	1999.000		2012.188	3	USTPRODP	USTMAIN	1	BU10
USTPROD.SCANSVR.COPYF2.G0090V00	BU1005	USTPRODP	1999.000		2012.188	4	USTPRODP	USTMAIN	3	BU10

EXPDATE	Expiration date
RTDATE	Retention date
LWRDAT	Date last written
DSEQN	Data set sequence number
CVC	Number of volumes cataloged to this data set
CATVOL	First cataloged volume for this data set

# FDREPORT

## DFSMSrmm REPORTS

### RMM REPORT #10:

DFSMSrmm tape data sets created by a specific program (e.g. IEBGENER) in the past 30 days. The control card used for selection in this report is: XSELECT TDCRPGM=IEBGENER, TDCRDAYS<30

FTP member: [FDREPORT\\_DFSMSrmm\\_Data\\_Sets\\_Created\\_by\\_IEBGENER.txt](#)

TAPE DATA SETS CREATED BY PGM=IEBGENER IN THE PAST 30--- DAYS					
DATA SET NAME	VOLSER	CREATJOB	CREATPGM	CRDATE	
A03.AA0139.CKPR.SPRACCT.COMMISSN.MD.G2239V00	300399	CKJQ024P	IEBGENER	2013.227	
ANI.SMF.MVS.RAW.G0003V00	300400	PMJF009A	IEBGENER	2013.242	
A03.AA0139.CKPR.SPRCOMXT.MD.G2240V00	300769	CKJQ024P	IEBGENER	2013.227	
A03.A04346.IMSD.WEEKLY.BKUP.G1504V00	300910	PMJD300P	IEBGENER	2013.219	
ANI.SMF.MVS.RAW.G0004V00	301265	PMJF009A	IEBGENER	2013.240	
D03.AA0139.CKMO.SMODAP.CONCAT.G2792V00	301332	CKJZD38M	IEBGENER	2013.248	
...					

### RMM REPORT #11: DFSMSrmm tapes due to expire in 15 days.

FTP member: [FDREPORT\\_DFSMSrmm\\_Tapes\\_to\\_Expire\\_in\\_15\\_Days.txt](#)

TAPE DATA SETS EXPIRING IN 15 DAYS - DATE=2012.353							
VOLSER	PREVOL	NXTVOL	CRDATE	EXPDAT	LRDATE	LWRDAT	FIRST FILE DATASET
E70046			2008.311	2012.357	2011.357	2011.357	DF.UPS1.DFXP.D111111.T125902
B90020	B90024		2011.025	2012.359	2012.352	2012.352	FDRABR.VIDPWH2.C3006310
B90024	B90053	B90020	1997.112	2012.359	2012.352	2012.352	FDRABR.VIDPWH4.C3006304
B90053		B90024	2012.249	2012.359	2012.352	2012.352	FDRABR.VSYSLB3.C3029803
E70091			2008.311	2012.362	2011.362	2011.362	DF.UPS1.DFXP.D111228.T155242
ST0187		ST0473	2002.212	2012.363	2012.167	2012.167	FDRABR.VIDPLB4.C2082506
CCR011		CCR033	2006.312	2012.364	2012.279	2007.033	JMK.DUMP01
CCR033		CCR011	2002.227	2012.364	2012.279	2007.033	JMK.DUMP13
E10028			2008.311	2012.364	2012.342	2012.342	JAT.BIG.MAPTAPE.FILE
E70094			2008.311	2012.364	2011.364	2011.364	DF.UPS1.DFXP.D111230.T125902
ST0525			2006.044	2012.364	2012.296	2012.294	FDRABR.VIDPWH2.C1006114

### RMM REPORT #12: DFSMSrmm off-site tape inventory.

FTP member: [FDREPORT\\_DFSMSrmm\\_Offsite\\_Tape\\_Inventory.txt](#)

INVENTORY LISTING OF TAPES AT IRON MOUNTAIN							
VOLSER	FIRST FILE DATASET	CREATJOB	VSQ	LWRDAT	MVTKDT	LOCATION	VOLSTAT
151006	A03.A00155.STREAM.DISTR.WT8JS64X	SOVPROC	1	2013.148	2013.150	DOSS	MASTER
151007	A03.A00155.STREAM.DISTR.WT8JS5MW	SOVPROC	1	2013.148	2013.150	DOSS	MASTER
151009	A03.A00155.STREAM.DISTR.WPS18HHS	SOVPROC	1	2013.137	2013.150	DOSS	MASTER
...							

**RMM REPORT #13:** Produce a list of DFSMSrmm tape volumes for a specific user that are set to expire in the next 200 days. Additionally, produce the necessary DFSMSrmm control cards that can be used to extend the expiration date to 365 days from the current date.

FTP member: [FDREPORT\\_DFSMSrmm\\_Extend\\_Expiration\\_Dates.txt](#)

VOLUMES OWNED BY JAT* EXPIRING WITHIN 200 DAYS			
VOLSER	RTDATE	EXPDAT	OWNER
CCR025		2014.001	JAT
CCR065		2014.008	JATO
003168		2014.089	JAT

**This is the generated JCL to update the expiration dates in the DFSMSrmm database.**

```
//BATCH01 JOB (acct), 'BATCH RMM JOB', CLASS=P, NOTIFY=user,
/* SKELETON OF THE BATCH JOB WHICH WILL BE BUILT BY FDREPORT
/* CONSISTING OF TSO RMM COMMANDS TO CHANGE THE EXPIRATION DATES OF
/* THE SELECTED VOLUMES
//TSOBATCH EXEC PGM=IKJEFT01, REGION=0M, TIME=30
//SYSTSPRT DD SYSOUT=*
//SYSTSIN DD *
TSO RMM CV CCR025 RETPD(365) FORCE
TSO RMM CV CCR065 RETPD(365) FORCE
TSO RMM CV 003168 RETPD(365) FORCE
/*
```