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FDREPORT

FDREPORT...

DASD Management Reporting

FDREPORT is a powerful DASD Management Reporting tool that can quickly and efficiently generate reports on a wide range of DASD related issues, either through the pre-defined "Health Check" reports (see over for more details), or by running customized, site-specific reports.

- **Cost Savings**—At any computer installation, users at a variety of levels need to be able to refer to accurate and timely information about the use of DASD resources. FDREPORT can provide a raft of easy-to-read, fully-customized reports to show how effectively DASD storage is being utilized...highlighting potential savings in DASD consumption.
- **Sources of Information**—FDREPORT can access and report on information from a variety of sources, including VTOCs, VVDSs, Catalogs, PDS Directories, ABR Control Files and the DFSMSHsm MCDS and BCDS. It can also generate additional information (such as %Free figures) which may not be directly available, but derived or calculated from other sources.
- **Flexible Output**—FDREPORT can produce detailed output (e.g. for a Storage Administrator), or it can produce concise, summarized reports for Capacity Analysts or High-Level Management.
- **Easy-to-Use**—FDREPORT can be run as an MVS batch job, or as an online process via the SRS (Search, Report & Services) panels. The Real Time Reporting option allows users to run pre-defined reports, specifying the datasets to be displayed and in which order.

Examples

The following report identifies datasets likely to get Sx37 space abends. It shows all datasets with less than 10% freespace (with no secondary allocation), all non-VSAM datasets with 13 or more extents, and all VSAM datasets with 100 or more extents.

```
//REPORT EXEC PGM=FDREPORT,REGION=0M
//SYSPRINT DD SYSOUT=*
//ABRMAP DD SYSOUT=*
//SYSIN DD *
TITLE LINE='DATASETS THAT MAY RUN OUT OF SPACE'
XSELECT SECALOC.EQ.0,%FREE.LT.10
XSELECT DSORG.NE.EF,NOEXTENT.GE.13,%FREE.LT.10
XSELECT DSORG.EQ.EF,NOEXTENT.GE.100,%FREE.LT.10
REPORT FIELD=(DSN,DSORG,SECALOC,%FREE,NOEXTENT,SIZE)
PRINT ENABLE=ONLINE
```

DATASETS THAT MAY RUN OUT OF SPACE

DSN	DSORG	VOLSER	SECAL	%FREE	EXTENTS	ALLOC
MASTER.FILE	EF	PROD12	10	7	105	780
PROD.CNTL.CARDS	PO	SYS123	0	3	1	20

This next example illustrates FDREPORT's ability to access and report on information in the DFSMSHsm MCDS and BCDS databases. This report shows migrated datasets selected via the high-level qualifier of 'PLOUS'.

```
//REPORT EXEC PGM=FDREPORT,REGION=0M
//SYSPRINT DD SYSOUT=*
//ABRMAP DD SYSOUT=*
//MCDSD DD DSN=HSM.MCDS,DISP=SHR
//SYSIN DD *
XSELECT XD SN=PLOUS
REPORT FIELD=(DSN,VOL,TVTOCDSN)
PRINT DATATYPE=MCDS
```

DSN	VOLSER	TVTOC BACKUP FILE NAME
PLOUS.PS.AV001	RVA7C8	HSM.HMIG.T370611.PLOUS.J0256
PLOUS.PS.AV801	RVA7C8	HSM.HMIG.T420611.PLOUS.J0256
PLOUS.RVA7C8.DOC	RVA7C8	HSM.HMIG.T440611.PLOUS.RVA7C8.J0256

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FDREPORT — DASD Management Reporting

The Possibilities are Endless!

The potential uses of FDREPORT are endless—limited only by your imagination! The following job is another example of the power and flexibility of this DASD Management Reporting tool. We are searching through PDS (DSORG=PO) datasets to see which one(s) contain a member called 'FDREP012'. If required, multiple member names can be added to the search, and the values can either be fully qualified or prefixed with asterisks. The search can be restricted to libraries on certain volumes with the VOL=parameter.

As you can see from the report produced by the job, two libraries were found to contain a member called FDREP012. Information about each member, such as record format, blocksize and freespace have been included in the report.

```
//REPORT EXEC PGM=FDREPORT,REGION=0M
//SYSPRINT DD SYSOUT=*
//ABRMAP DD SYSOUT=*
//SYSIN DD *
XSELECT DSORG=PO, MEMNAMES=FDREP012, VOL=*
PRINT DATATYPE=VTOC, SORT=COMBINE
```

DATA SET NAME	VOLSER	DS	RECFM	BKSIZE	LRECL	ALLOC	FREE	%FREE
BAB.JCL.CNTL	T50WK2	PO	FB	23440	80	150	55	36
TLT.JCL.CNTL	IDPLB2	PO	FB	23440	80	168	14	8

Give Your DASD the FDREPORT Health Check!

"As well as having the freedom to write a wide range of custom reports, as illustrated in the examples below, FDREPORT comes with over 60 "pre-defined" reports, designed to check the **health** of your DASD system."

HCHECK1 – DASD With Potential Problems

- Disk Volumes More Than 80% Full
- IBM Fragmentation Index, Worst First
- Volume Mount & Use Status
- SMS, VTOCIX Status
- VTOC/VVDS/VTOCIXs More Than 80% Full
- VVDS In Multiple Extents
- VTOCs/VVDSs With Logical Errors

HCHECK2 – Reports For SMS Administrator

- SMS Volume Status
- SMS Volumes With Disabled VTOCIXs
- Datasets SMS Attributes
- Information On PDSE Datasets
- Uncataloged Datasets On SMS Volumes
- Non-Managed Datasets On SMS Volumes
- Datasets Ineligible For SMS Management

HCHECK3 – Reports For Performance Analyst

- Disks With Potential Performance Problems
- Multi-Extent VSAM Datasets
- Multi-Extent Non-VSAM Datasets
- Multi-Volume Datasets
- Datasets Likely To Get Sx37 Abends

HCHECK4 – Reports For Capacity Analyst

- Disks With Potential Wasted Space
- Total Space Available, Allocated And Used
- Overallocation In All Datasets
- Datasets Not Referenced In 60 Days
- Datasets With Inefficient Blocksizes

HCHECK5 – Reports For VSAM Tuning Analyst

- Space Occupied By Largest VSAM Files
- Clusters With High Inserts
- Clusters With High CI/CA Splits
- Clusters With 3 Or More Index Levels
- Multi-Extent, Multi-Volume VSAM Files
- Overallocated Clusters

HCHECK6 – Reports On PDS Efficiency

- Basic Stats On PDS/PDSE Datasets
- Multi-Extent PDS/PDSE Datasets
- PDSs With Limited Freespace
- PDSs With Limited Free Directory Blocks
- PDSs With Excess Free Space
- Space Reclaimable By PDS Compression

HCHECK7 – Datasets That Offend Standards

- Uncataloged Datasets
- Wrongly Cataloged Datasets
- Datasets With Undefined DSORG
- Empty PS, PO, VSAM Datasets
- Unmoveable Datasets
- Datasets Existing As Only A Catalog Entry

HCHECK8 – Project Or DASD Management Reports

- Summary Of Dataset Types
- Space Occupied By An Application
- Space Summarized By Index
- DASD Utilization By Esoteric Unit Name
- DASD Utilization By SMS Storage Group
- DASD Utilization By Volser Group, Devtype

Call now for your **FREE, No-Obligation Trial!**



CORPORATE HEADQUARTERS: 275 Paterson Ave., Little Falls, NJ 07424 • (973) 890-7300 • Fax: (973) 890-7147
E-mail: support@fdinnovation.com • sales@fdinnovation.com • <http://www.innovationdp.fdr.com>

EUROPEAN OFFICES:	FRANCE	GERMANY	NETHERLANDS	UNITED KINGDOM	NORDIC COUNTRIES
	01-49-69-94-02	089-489-0210	036-534-1660	0208-905-1266	+31-36-534-1660