have you checked your CA MICS® implementation lately

MR050SN

Mainframe and Application Development

abstract

Get hints and tips to optimize your CA MICS implementation – make it lean! This session will include practical examples of how you can use the CA MICS utilities and tools to fine tune your CA MICS implementation.

agenda

– Administrator MWF Utilities

- Database health check utility

- Space utilization and reporting

- Inactive Data Elements Report

- SAS Format/Informat print utility

– Operational Job Workspace Report

– New 12.5 Missing Data Element report

benefits of database health check

– Identify duplicate formats

- Eliminate using incorrect version of format

- Reduce size of format libraries

– Optimize space

- Identify dead cycles, unknown files, inactive files

- Generate delete parameters for identified files

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database health check utility

database health check utility

– Execute in batch by unit

– Have option to generate delete parameters

– Subset on type of files to process

– Exclude members from selection

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summary health check report

```
                    CA MICS Database Health Check
                           Symptom Summary
                Database Title: CA MICS DEMO PRIMARY UNIT
                Database ID and Prefix: P - CAIDEMO.MICS.PRIM
       Count      Symptom
    ------------------------------------------------------------------------
    |     149 | No File Activity. All Cycles have zero observations      |
    +---------+--------------------------------------------------------+
    |      16 | Items flagged for deletion                             |
    +---------+--------------------------------------------------------+
    |      13 | Defined cycles exceeded (dead cycle)                   |
    +---------+--------------------------------------------------------+
    |       5 | Engine not at current SAS level                        |
    +---------+--------------------------------------------------------+
    |       5 | Dummy file found                                       |
    +---------+--------------------------------------------------------+
```

investigate dead cycles

From Health Check Report

```
PDAYS      HARCPU33  Defined cycles exceeded (dead cycle)
           HARCPU34  Defined cycles exceeded (dead cycle)
           HARCPU35  Defined cycles exceeded (dead cycle)
           HARCPU36  Defined cycles exceeded (dead cycle)
           HARCPU37  Defined cycles exceeded (dead cycle)
           HARCPU38  Defined cycles exceeded (dead cycle)
           HARCPU39  Defined cycles exceeded (dead cycle)
           HARCPU40  Defined cycles exceeded (dead cycle)
           HARCPU41  Defined cycles exceeded (dead cycle)
           HARCPU42  Defined cycles exceeded (dead cycle)
           HARCPU43  Defined cycles exceeded (dead cycle)
           HARCPU44  Defined cycles exceeded (dead cycle)
           HARCPU45  Defined cycles exceeded (dead cycle)
```

From Health Check Detail Report

```
Detail
--------------------------------
File=HARCPU33 Defined Cycles=32
```

delete the dead cycles

Delete JCL in prefix.CNTL(DBHDELET)

```
//* DBHDELET EXECUTES THE DELETES GENERATED BY THE DATABASE
//* HEALTH UTILITY.
//* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
//DBHDELET EXEC MICSDBP
//SYSIN    DD   DISP=SHR,DSN=CAIDEMO.MICS.SOURCE(DBHDELET)
```
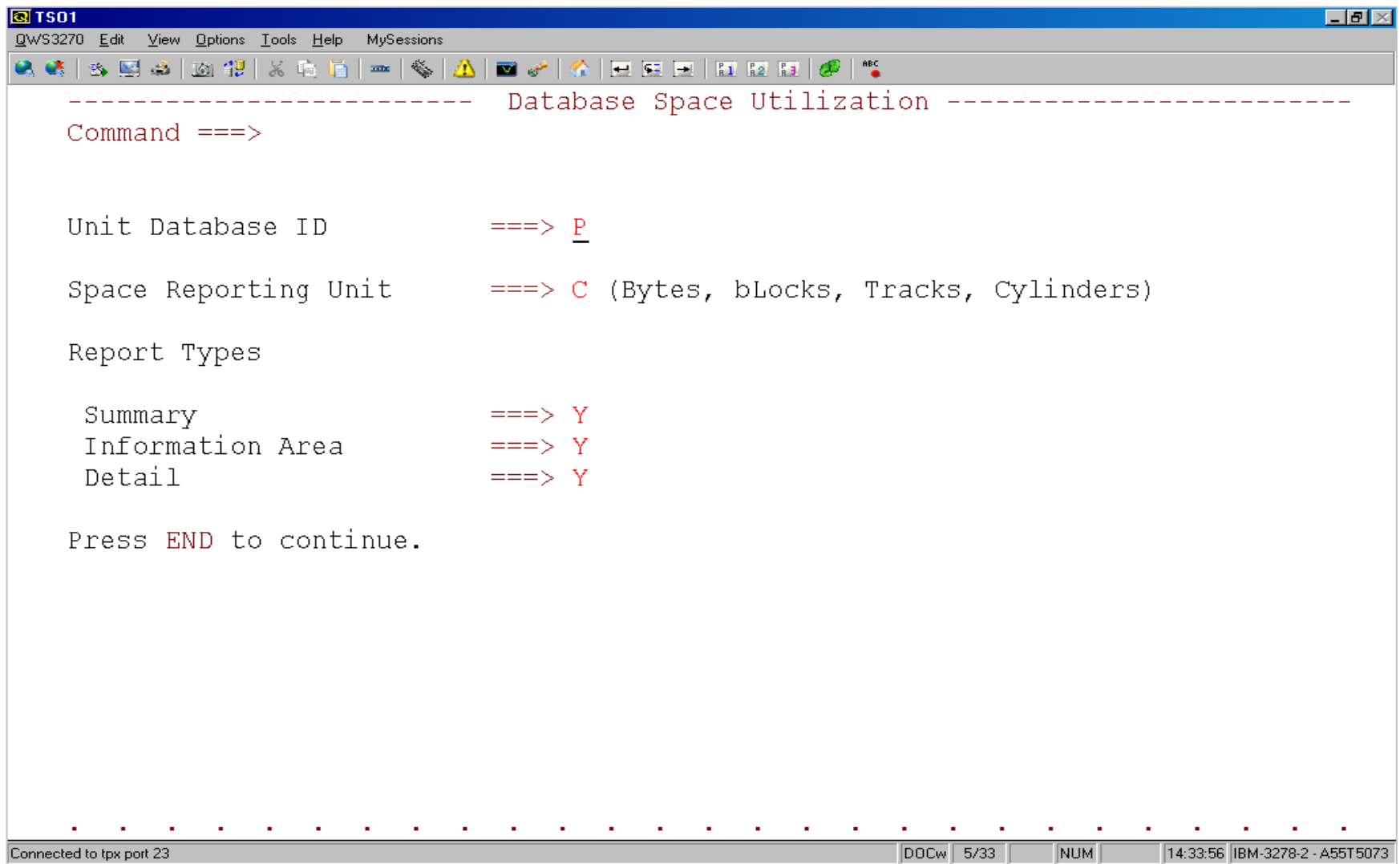
Generated Delete Statements in prefix.USER.SOURCE(DBHDELET)

```
DATETIME=24FEB10:14:39 WINDOW=120
IDSTRING=90024FEB1090022FEB1090002FEB1090001JAN0190024FEB1090009FEB10
TIMESPAN=DAYS DDNAME=PDAYS MEMBER=HARCPU33
  CRDATE=09FEB10:14:15:04 MODATE=09FEB10:14:15:04
 NOBS=24 NVAR=496
TIMESPAN=DAYS DDNAME=PDAYS MEMBER=HARCPU34
  CRDATE=09FEB10:14:15:04 MODATE=09FEB10:14:15:04
 NOBS=24 NVAR=496
TIMESPAN=DAYS DDNAME=PDAYS MEMBER=HARCPU35
  CRDATE=09FEB10:14:15:04 MODATE=09FEB10:14:15:04
 NOBS=24 NVAR=496
 .
 .
```

database space utilization/estimator

– First, resolve the health check issues

– Next, execute space utilization

  - Identifies space at dataset and SAS member level

  - Gives true space used

  - Estimates space required

space utilization options


```
------------------------ Database Space Utilization ------------------------
Command ===>


Unit Database ID              ===> P

Space Reporting Unit          ===> C (Bytes, bLocks, Tracks, Cylinders)

Report Types

 Summary                      ===> Y
 Information Area             ===> Y
 Detail                       ===> Y


Press END to continue.
```

summary report

```
                              CA MICS Space Utilization and Reporting
                                    Database Space Utilization
                                         Libname Summary
                                 Space Reporting Units is Cylinders
                                             Used      Allocated       Free        Free
Libname    Dataset Name              Block Size    Members    Space        Space       Space      Percent
--------   ------------------------  ----------  ----------  ----------   ----------  ----------  ----------
PDETAIL    CAIDEMO.MICS.PRIM.DETAIL  27,648         446      1,043.83     2,000.00     956.73      47.84%
PDAYS      CAIDEMO.MICS.PRIM.DAYS    27,648       1,372      1,253.13     2,000.00     748.00      37.40%
PWEEKS     CAIDEMO.MICS.PRIM.WEEKS   27,648         294        140.70       833.17     692.83      83.16%
PMONTHS    CAIDEMO.MICS.PRIM.MONTHS  27,648         548        728.47     2,000.00   1,272.03      63.60%
PYEARS     CAIDEMO.MICS.PRIM.YEARS   27,648           1          0.13         0.33       0.30      90.00%
                                                           ----------   ----------  ----------
                                                            3,166.27     6,833.50   3,669.90      53.70%
```

investigate MONTHS space

– Look at Information Level

– Look at File Level

– Are MTD files at maximum?

– Are cycles at maximum number?

– Decide action

information level reports

```
                    CA MICS Space Utilization and Reporting
                          Database Space Utilization
                          Information Area Summary
                        Space Reporting Units is Cylinders
        Timespan: MONTHS; Libname: PMONTHS; Dataset Name: CAIDEMO.MICS.PRIM.MONTHS
                    Device Type: 3390; Volume Count: 1; Block Size: 27,648
                 Allocated Cylinders: 2,000; Used Cylinders: 728; % Free: 63.58%


                                                 Used        Used     Avg Space
Information Area                      Members    Space      Percent   per File
-------------------------------------  ----------  ----------  ----------  ----------
(ACT) Accounting Component                  18      209.53     10.48%       11.64
(ADM) Administrative Activity Information Area  5       0.17      0.01%        0.03
(BAT) Batch Activity Information Area        39      102.43      5.12%        2.63
(CIC) CICS Activity Information Area          7        6.53      0.33%        0.93
(HAR) Hardware Utilization                  146       24.63      1.23%        0.17
(HFS) USS File System Information Area        4        0.27      0.01%        0.07
(NVS) Netview Session Information Area       24        1.60      0.08%        0.07
(SCP) MVS System Control Program             48       11.93      0.60%        0.25
(SNT) Network Information Area              118        7.87      0.39%        0.07
(TCP) TCP/IP Information Area                76        5.07      0.25%        0.07
(VCA) VTOC/Catalog Activity Information Area  22      351.73     17.59%       15.99
(WLM) MVS Workload Management                41        6.20      0.31%        0.15
                                        ----------  ----------  ----------  ----------
                                           548      727.97     36.40%        1.33
```

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file level reports (BAT)

```
                        CA MICS Space Utilization and Reporting
                             Database Space Utilization
                                    File Summary
                          Space Reporting Units is Cylinders
           Timespan: MONTHS; Libname: PMONTHS; Dataset Name: CAIDEMO.MICS.PRIM.MONTHS
                   Device Type: 3390; Volume Count: 1; Block Size: 27,648
                 Allocated Cylinders: 2,000; Used Cylinders: 728; % Free: 63.58%
Information Area                                         Used        Used      Avg. Space
    File Name                              Cycles        Space       Percent    Per Cycle
----------------------------------------  ----------  ----------  ----------  ----------
(BAT) Batch Activity Information Area
    (_OE) OPEN EDITION/MVS PROGRAM FILE           3        8.47       0.42%        2.83
    (_SA) SYSTEM ADDRESS SPACE ACTIVITY FILE      3        0.30       0.02%        0.10
    (_ST) SYSTEM TASK PROGRAM ACTIVITY FILE       3        1.47       0.07%        0.50
    (_TP) APPC/MVS TP ACTIVITY FILE               3        0.40       0.02%        0.13
    (_TS) SMF USER TSO ACTIVITY FILE              3        4.73       0.24%        1.60
    (ATP) APPC/MVS TRANSACTION FILE               3        0.20       0.01%        0.07
    (JOB) BATCH USER JOB ACTIVITY FILE            4       31.53       1.58%        7.90
    (MUA) MEASURED USAGE ADDRESS SPACE FILE       3       13.57       0.68%        4.53
    (MUG) MEASURED USAGE GLOBAL FILE              4        1.77       0.09%        0.47
    (PGM) BATCH USER PROGRAM ACTIVITY FILE        3       39.53       1.98%       13.20
    (REN) MULTISYSTEM ENCLAVE ACTIVITY FILE       3        0.20       0.01%        0.07
    (SPL) BATCH USER SPOOL ACTIVITY FILE          4        0.27       0.01%        0.07
----------------------------------------  ----------  ----------  ----------  ----------
(BAT) Batch Activity Information Area            39      102.43       0.01%        2.63
```

DASD space estimator

– Estimates maximum size of a database

– Monitors space increases/decreases following a configuration change

– Tunes database size and cycle definitions

space estimator summary report

```
                         CA MICS Space Utilization and Reporting
                              Database Space Estimator
                                  Libname Summary
                         Space Reporting Units is Cylinders

                                                                          Est. Max
                                             Used      Allocated  Projected  Allocated
Libname    Dataset Name              Block Size  Space      Space      Space      Space
--------   ----------------------------  ----------  ----------  ----------  ----------  ----------
PDETAIL    CAIDEMO.MICS.PRIM.DETAIL      27,648   1,043.83   2,000.00   1,043.40   5,000.00
PDAYS      CAIDEMO.MICS.PRIM.DAYS        27,648   1,253.13   2,000.00   1,252.00   2,600.00
PWEEKS     CAIDEMO.MICS.PRIM.WEEKS       27,648     140.70     833.17     140.33   1,583.33
PMONTHS    CAIDEMO.MICS.PRIM.MONTHS      27,648     728.47   2,000.00     791.23  14,000.00
PYEARS     CAIDEMO.MICS.PRIM.YEARS       27,648       0.13       0.33       0.03       2.33
                                                 ----------  ----------  ----------  ----------
                                                  3,166.27   6,833.50   3,227.00  23,185.67
```

DASD space estimator

– Do I have space to increase MONTHS BATJOB to 12 cycles
without increasing database space allocation?

```
                          Database Space Estimator
                               File Summary
                       Space Reporting Units is Cylinders
        Timespan: MONTHS; Libname: PMONTHS; Dataset Name: CAIDEMO.MICS.PRIM.MONTHS
                 Device Type: 3390; Volume Count: 1; Block Size: 27,648
                Allocated Cylinders: 2,000; Used Cylinders: 728; % Free: 63.58%
                           Estimated Max Cylinders: 14,000
```

Information Area File Name	Cycles	Used Space	%Used	Avg. Space per Cycle	Def'd Cycles	Estimated Space	Estimated %Used
(BAT) Batch Activity Information Area							
(_OE) OPEN EDITION/MVS PROGRAM FILE	3	8.47	0.42%	2.83	2	8.47	0.06%
(_SA) SYSTEM ADDRESS SPACE ACTIVITY FILE	3	0.30	0.02%	0.10	2	0.30	0.00%
(_ST) SYSTEM TASK PROGRAM ACTIVITY FILE	3	1.47	0.07%	0.50	2	1.47	0.01%
(_TP) APPC/MVS TP ACTIVITY FILE	3	0.40	0.02%	0.13	2	0.40	0.00%
(_TS) SMF USER TSO ACTIVITY FILE	3	4.73	0.24%	1.60	2	4.73	0.03%
(ATP) APPC/MVS TRANSACTION FILE	3	0.20	0.01%	0.07	2	0.20	0.00%
(JOB) BATCH USER JOB ACTIVITY FILE	4	31.53	1.58%	7.90	12	94.60	0.68%
(MUA) MEASURED USAGE ADDRESS SPACE FILE	3	13.57	0.68%	4.53	2	13.57	0.10%
(MUG) MEASURED USAGE GLOBAL FILE	4	1.77	0.09%	0.47	3	1.77	0.01%
(PGM) BATCH USER PROGRAM ACTIVITY FILE	3	39.53	1.98%	13.20	2	39.53	0.28%

why is element not in database?

– Check cccGENIN Data Element Statement

- Is it an Essential Element?

- Is it a Derived Element?

- Is the value N, 0, or other for the timespan?

- What are the timespan column labels?

- What is the cluster code ?

- Is the file active at this timespan?

why is element not in database?

- – What is the complex parameter for ESSENTIAL and DERIVED elements?

- – Are there overrides in the cccGENIN for the complex parameters?

- – What is set on the OPTION statement?

inactive data elements report

– Answers Data Element OFF Questions

- Analyzes data element options in cccGENIN members

- Shows the names of the inactive data elements

- Shows reason they are inactive

- Shows detailed data element description (optional)

inactive SMF data element report

– Report followed by optional Dictionary Data Element list

```
                              CA MICS COMPONENT INACTIVE DATA ELEMENTS
                              DATA ELEMENTS TURNED OFF FOR COMPONENT: SMF
------------------------------------------------------ AREA=BAT FILEID=_OE ----------------------------------------
   DATA      FILE IS    OFF DUE TO      OFF DUE TO      OFF DUE TO      OFF DUE TO    DATA DIC. PRODUCT OPTION
  ELEMENT      OFF       TIMESPAN        ESSENTIAL        DERIVED         CLUSTER       ALIAS       RESET
                          OPTIONS          OPTION          OPTION          OPTION                  STATUS
  PGMABRC      NO          NO              YES             NO              NO                        NO
  PGMARB       NO          NO              YES             NO              NO                        NO
  PGMAVDCT     NO          NO              NO              YES             NO                        NO
  PGMAVDDT     NO          NO              NO              YES             NO                        NO
  PGMAVDST     NO          NO              NO              YES             NO                        NO
  PGMAVDWT     NO          NO              NO              YES             NO                        NO
  PGMAVEDC     NO          NO              NO              YES             NO                        NO
  PGMAVEDD     NO          NO              NO              YES             NO                        NO
  PGMAVEDS     NO          NO              NO              YES             NO                        NO
  PGMAVEDW     NO          NO              NO              YES             NO                        NO
  PGMAVWSS     NO          NO              NO              YES             NO                        NO
  PGMBADCT     NO          NO              YES             NO              NO                        NO
  PGMBLKTR     NO          NO              YES             NO              NO                        NO
  PGMCFMSK     NO          NO              YES             NO              NO                        NO
```

what's in your format library?

– Where are user formats stored?

- MCOLIB
  - USERFMT1
  - USERFMT2
- MUOLIB
  - USERFMT1
  - USERFMT2
- Both

what's in your format library?

- When were formats created?

- When were formats updated?

- Is content current/correct?

- Are you using the correct version?

- What formats does CA MICS build?

SAS format/informat print utility

- Creates a directory listing of a format catalog

- Creates a print of ALL of the formats from format catalogs.

- Creates a print of specific formats from format catalogs.

SAS format/informat print utility

```
------------------------    SAS Format/Informat Print Util "DOWN    " is not active
Command ===>  _


Press F1 or enter HELP for information on specifying formats and informats.


Complex Level Format Library?  ===> N    (Y/N)


Format Catalog:   USERFMT1  ===> N    MICSFMTS  ===> N    USERFMT2  ===> N
                  Other:     ===> _____  (specify name)


Print Entire Catalog?   ===> N       Print Catalog Directory?   ===> N
- or -
Format Name(s):   ===> _____
_____


Unit Level Format Library?  ===> N       (Y/N)       DBID   ===> P


Format Catalog:   USERFMT1  ===> N    MICSFMTS  ===> N    USERFMT2  ===> N
                  Other:     ===> _____  (specify name)


Print Entire Catalog?   ===> N       Print Catalog Directory?   ===> N
- or -
Format Names(s):   ===>
```

results of MCOLIB USERFMT2 print

```
Name          Type              Create Date              Modified Date
------------------------------------------------------------------------
ACTCRED       FORMATC    06JAN2010:14:21:40       06JAN2010:14:21:40
BATDIVD       FORMATC    05SEP2001:06:11:23       05SEP2001:06:11:23
BATDVDP       FORMATC    13NOV2009:01:01:18       13NOV2009:01:01:18
CICSAPP       FORMATC    13NOV2009:01:01:19       13NOV2009:01:01:19
CPUNORM       FORMATC    07JAN2010:02:58:49       07JAN2010:02:58:49
DIVNAME       FORMATC    24MAR2007:00:45:55       24MAR2007:00:45:55
DPTNAME       FORMATC    24MAR2007:00:45:56       24MAR2007:00:45:56
OEDIVDP       FORMATC    05SEP2001:06:11:23       05SEP2001:06:11:23
OEDVDP        FORMATC    13NOV2009:01:01:18       13NOV2009:01:01:18
PLIDPMF       FORMATC    24MAR2007:00:45:56       24MAR2007:00:45:56
PMFDIVD       FORMATC    05SEP2001:06:11:20       05SEP2001:06:11:20
PMFDVDP       FORMATC    24MAR2007:00:45:55       24MAR2007:00:45:55
STCDIVD       FORMATC    05SEP2001:06:11:23       05SEP2001:06:11:23
```

result of format print

```
Catalog: USERFMT2

                                                          13:54 Thurs


---------------------------------------------------------------------------
|        FORMAT NAME: $BATDIVD LENGTH:    10    NUMBER OF VALUES:    95    |
|    MIN LENGTH:    1  MAX LENGTH:  40  DEFAULT LENGTH  10  FUZZ:       0   |
|-------------------------------------------------------------------------|
|START            |END             |LABEL  (VER. V7|V8   05SEP2001:06:11:23)|
|-----------------+----------------+------------------------------------|
|ABSCMSB1         |ABSCMSB1        |DEV :00088                          |
|A1ICSTP          |A1ICSTP         |GIS :00045                          |
|A29IROS          |A29IROS         |GIS :00043                          |
|BATCHDEF         |BATCHDEF        |DEV :00059                          |
|BERJO90          |BERJO90         |DEV :00088                          |
|BNKCICS          |BNKCICS         |BNK :00270                          |
.
.
.
---------------------------------------------------------------------------
|        FORMAT NAME: $BATDVDP LENGTH:    10    NUMBER OF VALUES:    95    |
|    MIN LENGTH:    1  MAX LENGTH:  40  DEFAULT LENGTH  10  FUZZ:       0   |
|-------------------------------------------------------------------------|
|START            |END             |LABEL  (VER. V7|V8   13NOV2009:01:01:18)|
|-----------------+----------------+------------------------------------|
|ABSCMSB1         |ABSCMSB1        |DEV :00088                          |
|A1ICSTP          |A1ICSTP         |GIS :00045                          |
|A29IROS          |A29IROS         |GIS :00043                          |
|BATCHDEF         |BATCHDEF        |DEV :00059                          |
```

why should you care about format content?

– If duplicates, wrong values could be returned

– If invalid mapping values, lookups are incorrect

– Obsolete formats take up space in library

– Larger libraries use more resource to load (when OBJACCESS COPY)

agenda

– Administrator MWF Utilities

- Database Health Check Utility

- Space Utilization and Reporting

- Inactive Data Elements Report

- SAS Format/Informat Print Utility

– **Operational job Workspace Report**

– New 12.5 Missing Data Element report

how much WORKSPACE is enough?

– RMF, CICS, DB2 options are heavy work space users

– Deleted when step ends

– Too little space and the job abends

– Too much space and the allocations may fail

new WORKSPACE report

– Delivered with BAS7590

– Dynamic parameter specified in EXECDEF

  - REPORT WORKSPACE NO (default)

  - REPORT WORKSPACE YES

– Report output in MICSLOG

– Documented in PIOM 2.3.5

sample report from DAY030

```
16.11.43 BAS64301I *======================================================================*
16.11.43 BAS64301I |                        MICS Work Space Utilization                   |
16.11.43 BAS64301I |                                                                      |
16.11.43 BAS64301I |      Work                                 Tracks          Minimum    % Over   |
16.11.43 BAS64301I |   File Class    Libname    Volumes      Allocated    %Free     %Free   Allocated |
16.11.43 BAS64301I |  ------------   --------   --------    -------------  --------  --------  ---------- |
16.11.43 BAS64301I |  SAS Work      WORK              1          1,500    83.27%    69.83%     54.40% |
16.11.43 BAS64301I |                                                                      |
16.11.43 BAS64301I |  MultWork      WORK01            1          3,000    97.05%    79.82%     78.47% |
16.11.43 BAS64301I |                WORK02            1          3,000    96.53%    80.97%     79.33% |
16.11.43 BAS64301I |                WORK03            1          3,000    96.78%    82.03%     80.40% |
16.11.43 BAS64301I |                WORK04            1          3,000    96.72%    75.90%     61.97% |
16.11.43 BAS64301I |                WORK05            1          3,000    96.32%    46.67%     44.83% |
16.11.43 BAS64301I |                WORK06            1          3,000    96.82%    50.33%     48.13% |
16.11.43 BAS64301I |                WORK07            1          3,000    96.88%    76.88%     75.33% |
16.11.43 BAS64301I |                WORK08            1          3,000    98.28%    73.37%     69.47% |
16.11.43 BAS64301I |                WORK09            1          3,000    98.47%    98.47%     90.10% |
16.11.43 BAS64301I |                WORK10            1          3,000    97.20%    93.75%     87.90% |
16.11.43 BAS64301I |                              ========   ============  ========  ========  ========== |
16.11.43 BAS64301I |  MultWork                          10         30,000    97.11%    75.82%     71.59% |
16.11.43 BAS64301I |                                                                      |
16.11.43 BAS64301I |  Restart Work  SMFXWORK          1          2,250    78.56%    70.44%     70.40% |
16.11.43 BAS64301I |                                                                      |
16.11.43 BAS64301I *======================================================================*
```

enhanced work space report

- PTF BAS7609

  - Added permanent database space

  - Added ADMSPC spin file to hold the metrics

  - Report and file work independently

  - MICF Inquiry to report from ADMSPC

enhanced report from DAY030

```
|                              CA MICS Space Utilization                                |
|                                                                                       |
|   Work                          Tracks      Tracks      Tracks      Pct Trks   Max Trks    Max Pct |
| File Class    Libname    Vols    Alloc        Used        Free        Used       Used        Used  |
| -----------   --------   ----  ----------  ----------  ----------   --------  ----------   -------- |
| SAS Work      WORK         1      1,500         445       1,055       29.67%      1,381      92.07% |
|                                                                                       |
| MultWork      WORK01       1        750         505         245       67.33%        562      74.93% |
|               WORK02       1        750         489         261       65.20%        519      69.20% |
|               WORK03       1        500         381         119       76.20%        467      93.40% |
|               WORK04       1        500         371         129       74.20%        450      90.00% |
|               WORK05       1        500          12         488        2.40%        296      59.20% |
|               WORK06       1        500         135         365       27.00%        383      76.60% |
|                          ====  ==========  ==========  ==========   ========  ==========   ======== |
| MultWork                          3,500       1,893       1,607       54.09%      2,677      76.49% |
|                                                                                       |
| Incremental   IUDAYS       1        225          55         170       24.44%         55      24.44% |
|               IUDETAIL     1        750         730          20       97.33%        730      97.33% |
|                                                                                       |
| Database      DAYS         1      1,500       1,330         170       88.67%      1,473      98.20% |
|               DETAIL       1      2,610       2,473         137       94.75%      2,508      96.09% |
|               MONTHS       1        150         133          17       88.67%        133      88.67% |
|               WEEKS        1        285         263          22       92.28%        263      92.28% |
|                                                                                       |
*=======================================================================================*
```

agenda

– Administrator MWF Utilities

- Database Health Check Utility

- Space Utilization and Reporting

- Inactive Data Elements Report

- SAS Format/Informat Print Utility

– Operational job Workspace Report

– **New 12.5 Missing Data Element report**

missing data element report

– Generates report of missing values

- Request by component

- Searches all units and timespans

- Elements candidates for deactivation

– Requires SAS 9

missing data element report

CA MICS data element report

```
              Complex sharedprefix: QCAT.R125PTFC
                 Component Analyzed:    SMF
+*************************************************************************+
+  Files with at Least One Data Element with Missing Values in ALL Observations  +
+  Every Data Element Listed Below has Missing Values in each File Observation    +
+                                                                        +
+*************************************************************************+


+*************************************************************************+
+  FILE       FILE LABEL                                                  +
+  ------     ---------------------------------------------              +
+  BATJOB     Batch User Job Activity File                               +
+                                                                        +
+ ELEMENT     DATA ELEMENT LABEL                            XDWMY  UNIT IDs    +
+ --------    ---------------------------------------- -----  ----------------+
+ ACCTNO2     PROJECT                                   X..M.  P             +
+ ASID        Address Space Identification              X....  P             +
+ JOBCOSTL    Processing Charges Lost                   X..M.  P             +
+ JOBDEADL    Deadline Scheduling Specified             X....  P             +
+ JOBDEDMT    Deadline Met                              X....  P             +
+ JOBDEDTY    Deadline Schedule Type                    X....  P             +
+ JOBDEPND    Dependent Job                             X....  P             +
+ JOBDKMT     JES3 MDS Disk Mounts                      X..M.  P             +
+ JOBDLNTS    Deadline Schedule Time Stamp              X....  P             +
+ JOBENDJ     Job Entered System Via DJ                 X....  P             +
+ JOBENJLP    Job Entered System Via NJP                X....  P             +
```

interpreting data element report

– ACCTNO2 always missing

- Is assignment logic correct?

- Are format tables correct?

- Should this field be used for another value?

– JOBENDJ and JOBENJLP Data Elements

- Review dictionary definitions

- Is this a JES3 environment?

- If not, specify NOJES3 in SMFGENIN

- If yes, should there be NJ and NJP activity?

summary

– Administrator utilities simplify the role of the administrator

– Become familiar with utilities

– Execute periodically to improve implementation

– Keep your complex well tuned

terms of this presentation

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Q&A

mainframe networking

Mainframe MIPS Lounge —

    Mainframers can relax and talk

informally

Islander D
Monday: 12 PM – 4:45 PM
Tuesday & Wednesday: 8 AM – 6PM
Thursday: 8 AM – 12 PM

Mainframe Networking Lunches

Where: Islander Ballroom, Salon B

 When: Tuesday and Wednesday

  Time: 12:00pm - 1:15pm

Seating is limited and will be on a first come, first served basis

Mainframe 2.0
MIP2010

Mainframe-only party,   Wed night, 7-10pm, House of Blues (Mandalay Bay)
<u>Need entry pin</u>, get them in the Mainframe lounge

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related sessions

SESSION #	TITLE	Day / Time Room: **Tropics A**
MR030SN	CA MICS Technology Support – You Asked, We Delivered!	Monday / 1:15
MR050SN	Have You Checked Your CA MICS Implementation Lately?	Monday / 3:45
MR230SN	CA MICS Observations: Practical Best Practices	Tuesday / 9:00
MR090SN	Digging for Gold – How to Mine and Share CA MICS Data, Quickly and Easily	Tuesday / 2:30
MR210SN	CA MICS Tape Analyzer Option – With Six You Get HYDRA	Tuesday / 3:45
MR110SN	Are You Drowning in SMF Data?	Wednesday / 9:00
MR130SN	Get Your Data Faster (and More Easily) – A User Success Story	Wednesday /1:15
MR170SN	CA MICS Customer Panel – CA MICS NOTE different room: Islander G	Wednesday / 2:30
MR150SN	CA MICS Resource Management in the CA Data Center – A Success Story	Wednesday / 3:45
MR250SN	CA MICS Global User Community Meeting	Wednesday / 5:00

exhibition center
related CA technology

- CA Mainframe area

  - Booth 182 Stop by to see MICS reporting with Q&R

- Exhibition Center Tours

  - Sign up at the Info Desk in the Exhibition Center

please complete a session evaluation form

– The number for this session is **MR050SN**

– After completing your session evaluation form, place it in the basket at the back of the room

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thank you