CIMS LAB, INC.

**Enhancements / Updates to
CIMS Capacity Planner V5.3
June 2005 – Jan 2006
2006/02/16 Genlevel**

Enhancements:

DB2 8.x support
- DB2 8.x support added to programs SSA1CIC# and SSA1CICW.
- Modules changed: SSA101B, SSA110BG, SSA1160, and SSA11607.

SSA1DSXP – Utility to format and print Table 39
- New report to list the contents of table 39, Storage Group name to VOLSER table.
- SC # 11087.
- New module SSA10DSP.

SSA1LPAR – Workload PR/SM Subsystem Statistics Report
- New report lists all of the LPARs in Table 040 for a specific time period.
- Displays average % busy and approximate MIPS rate.
- SC # 10968.
- New module SSA102WU.

SSA1SRP1 – Workload CPU Utilization Report in MIPS
- New report.
- New modules SSA102RM and SSA120RM.

SSA1UNXW – UNIX Data Reduction
- Added processing of CIMS UNIX Data Collector.
- Modules changed: SSA101U and SSA1328U.

SSA1WWWW – LPAR Configuration Report
- New report shows where an LPAR was running during a specific time period.
- SC # 10968.
- New modules SSA100WW and SSA1470U.

TMON CICS 2.3 support
- TMON CICS 2.3 support added to programs SSA1CIC# and SSA1CICW.
- Module changed: SSA1124A.

Updates:

Common date routine
- Correction to the Date Validation routine that removed an exposure that would cause the system to loop if a very specific invalid date were encountered.
- The Table Number in the Bad Date Message was being formatted incorrectly.
- Modules changed: SSA1400 and SSA1410W.

SSA1CICG - CICS Region Graphs
- S0C9 abend in SSA1340.
- SC # 11050.
- Module changed: SSA1340.

SSA1CICT - CICS Trend Reports
- S0C9 abend in SSA1340.
- SC # 11050.
- Module changed: SSA1340.

SSA1DASX – DASM Space Profile Within Storage Group
- Incorrect allocation reported for a storage group.
- SC # 11087.
- Module changed: SSA1305X.

SSA1DB2R – DB2 Subsystem Reports
- Changed recording of SQL statistics so they remain in units of a thousand.
- SC # 11087.
- Module changed: SSA1650.

SSA1DB2W – DB2 Subsystem Data Reduction
- Changed recording of SQL statistics so they remain in units of a thousand.
- SC # 11087.
- Module changed: SSA1651.

SSA1GENR
- Added the capability to reformat the GENERIC DAILY OVERVIEW report so that the totals line is eliminated and the dates are preserved in the left column.
- SC # 11061.
- Module changed: SSA1375G.

SSA1GOAL – WLM Goal Mode Reports
- Incorrect Response Average for Service Class in Workload Manager Goal mode performance summary report.
- The values for response time average are 10 times less than values in RMF reports.
- SC # 11314.
- Modules changed: SSA120G1, SSA120G2, and SSA120G3.

SSA1TAUG – Tape Subsystem Graphs
- Graphs were not properly built when using AVERAGES=NONE.
- SC # 11008.
- Modules changed: SSA129HT, SSA1291T, and SSA1292T.

SSA1TBLX – Table Extract Utility
- Added support for multiple SIDS.
- SC # 11008.
- Modules changed: SSA100X and SSA1642.

SSA1TGRJ – MIPS Usage by PGN Graph
- Added support that allows the user to manually specify the number of engines in a CEC.
  - Added 'POV ENGINE COUNT=n' control statement.
  - SC # 10910.
  - Modules changed SSA1229J and SSA1530.
- Removed test table.
  - Module changed SSA1477T.

SSA1TGRK – SCHEDLIB Graphs
- Builds graphs showing when the entire system was active, as opposed to graphs for specific address spaces.
- SC # 10903.
- Module changed: SSA1291S.

SSA1TGRU – PR/SM Subsystem Graphs
- Added INCLPARS and EXCLPARS logic for LPAR selection.
- Expanded the number of LPARS on a single graph to 15.
- Allowed PR/SM Subsystem prescan.
- Added VLHGDLIB logic to allow for VLR HGDLIB output for MIPS versions of the graphs.
- SC # 10910.
- Modules changed: SSA103WU, SSA129HU, SSA1290U, SSA1291U, SSA1292U, SSA1293U, SSA1295U, SSA1438V and SSA1445V.

SSA1TGRV – Task Availability Graphs
- Correct system element check.
- The designation 'System' will calculate availability based on CPU activity as opposed to SMF Type 30 data.
- SC # 10903.
- Module changed: SSA121GX.

SSA1UNRA – UNIX Server Availability Report
- Adjust outage calculations.
- Module changed: SSA12USC.

SSA1UNXW – UNIX Data Reduction
- S0C1 abend loading data with duplicate timeline data in the input stream.
  - SC # 10928.
  - Module changed: SSA1320U.
- S0C7 processing AIX 5.2 System Configuration records.
  - No time stamps in System Configuration records.
  - Bypass these records.
  - SC # 10865.
  - Module changed: SSA1320U.

SSA1WKLD - Workload Subsystem Data Reduction
- Removed informational message that is not needed:
    SSA1FLPT - FLOATING POINT NUMBER UNDER CPPR LIMIT
    - SC # 11086.
    - Module changed: SSA1FLPT.
- Informational message CPPR0410I: INCORRECT DATE is issued when processing SMF data.
    - Message occurs when SMF data is dumped immediately after midnight.
    - Additional checks added to ensure start date is not after end date.
    - SC # 11124.
    - Module changed: SSA1119.
- S0C9 processing FICON channel record with a time interval of zero.
    - SC # 10855.
    - Module changed: SSA1115F.
- Implemented a new Job Availability Ad Hoc Report that provides very specific Job Start and Job End times for selected Jobs.
    - SC # 11036.
    - Module changed: SSA1112.

- Add Subtypes 2 and 3 for Job availability.
    - SC # 11050.
    - Module changed: SSA1449J.

UCSLSARX – UNIX Consolidation Routine
- Allowed for date changes within a SAR input file
- Module changed: UCSLSARX.

Control Library (CNTL):

DUNXCLDC
- Added JCL for processing CIMS UNIX Data Collector data, SSA1UNXW.

DUTLLPAR
- Added JCL for executing Workload PR/SM Subsystem Statistics Report, SSA1LPAR.

DUTLWWWW
- Added JCL for executing LPAR Configuration Report, SSA1WWWW.

DWKLDGRU
- Added JCL for producing the PRSM LPAR Daily Graphs, 2X5-2X8.

DWKLHGRU
- Added JCL for producing the PRSM LPAR Hourly Graphs, 2X5-2X8.

DWKLMGRU
- Added JCL for producing the PRSM LPAR Monthly Graphs, 2X5-2X8.

DWKLTGRK
- Comments added to describe the SYSTEM member in SCHEDLIB.

DWKLWGRU
- Added JCL for producing the PRSM LPAR Weekly Graphs, 2X5-2X8.

LINKJCL Library:

SSA1DB2W
- DB2 8.x support.
- Added SSA110BG and SSA11607.

SSA1DSXP
- New executable program.
- Added object SSA10DSP.

SSA1LPAR
- New executable program.
- Added objects SSA102WU and SSA1470U.

SSA1SRP1
- New executable program.
- Added objects SSA102RM and SSA120RM.

SSA1TGRU
- Added SSA1293U, SSA1412T and SSA1437T.

SSA1UNXW
- Added SSA1328U.

SSA1WKLD
- Added SSA1449J.

SSA1WWWW
- New executable program.
- Added object SSA100WW.

Updates:

CIMSLP61 – IMS Log Data Reduction
- IMS processing stops with RC=12 and the following error message:
  LOG HAS TWO IMS START RECORDS WITH NO INTERVENING
  IMS STOP RECORD. CPPR PROCESSING TERMINATED
  - SC # 10559.
  - Module changed CIMCPY61.
- Provide support for IMS 8.1 when using the PROCESS=CHARGEBACK option.
  - The CIMSLP61 program can create the input to the CIMS Mainframe Data Collector.
  - Module changed CIMSIMS1, V12.1.

SSA1ACSR – Application Profile Report
- Data selection was not using the END TIME parameter.
- Module changed SSA120GJ.

SSA1CIC# - CICS AD HOC Reports
- S0C1 in SSA1122B, Table 26 (transaction ranking) is full.
  - SC # 10632.
  - Module changed SSA1122B.
- Average response times dropped due to an overflow in the counter. Response time will be kept in 10 second units.
  - SC # 10631.
  - Module changed SSA127G.
- Updated TMON CICS 2.2 log record processing.
  - Modules changed: SSA110TE and SSA1124A.

SSA1CICA – CICS Multi-Region Graphs
- Added support for summary tables.
- SC # 10751.
- Module changed SSA1344A.

SSA1CICR – CICS Report Generation Program
- Average response times dropped due to an overflow in the counter. Response time will be kept in 10 second units.
- SC # 10631.
- Module changed SSA127G.

SSA1CICW – Data Reduction CICS
- S0C1 in SSA1122B, Table 26 (transaction ranking) is full.
  - SC # 10632.
  - Module changed SSA1122B.
- Average response times dropped due to an overflow in the counter. Response time will be kept in 10 second units.
  - SC # 10631.
  - Module changed SSA127G.
- Updated TMON CICS 2.2 log record processing.
  - Modules changed: SSA110TE and SSA1124A.

SSA1DB2H – DB2 Connection Name Graphs
- Allow filter values for DB2 PLAN and DB2 AUTH-ID.
- SC # 10665.
- Modules changed: SSA103BU, SSA1690, SSA1690A, and SSA1691.

SSA1IMSR – IMS Report Generation Program
- Improved elapsed time calculation.
- SC # 10566.
- Module changed SSA1604.

SSA1IMSW – IMS Data Reduction
- Incorrect response times, the values are too high.
- SC # 10566.
- Modules changed SSA1140, SSA1146, SSA1400, SSA1427R, and SSA1449I.

SSA1WKLD - Workload Subsystem Data Reduction
- FICON channel busy graphs are reporting high values.
- SC # 10500.
- Module changed SSA1115F and SSA1530.

SSA1USCW - CICS TABLE (X'7E'), DIAL-UP ACTIVITY
- Updated TMON CICS 2.2 log record processing.
- Module changed SSA1124U.

LINKJCL Library:

SSA1DB2H
- Added SSA1690A for support of additional filter.

Updates:

SSA1CIC# - CICS AD HOC Reports
- Incorrect data reported.
  - Corrects problem introduced by the 2004/12/10 Genlevel.
  - Modules changed: SSA101C#, SSA110T, SSA110TA, SSA110TB.
- S0C7 processing TMON data.
  - SC # 10434.
  - Module changed SSA1124C.
- Wait time may be greater than response, TMON data.
  - Module changed SSA1124F.

SSA1CICQ – TMON summarized history data reduction
- Incorrect data reduction.
- Corrects problem introduced by the 2004/12/10 Genlevel.
- Modules changed: SSA101CQ, SSA110TQ, SSA110TR.

SSA1CICW - Data Reduction CICS, TMON/CICS 2.0
- Incorrect data reduction.
  - Corrects problem introduced by the 2004/12/10 Genlevel.
  - Modules changed: SSA110T, SSA110TA, SSA110TB.
- S0C7 processing TMON data.
  - SC # 10434.
  - Module changed SSA1124C.
- Wait time may be greater than response, TMON data.
  - Module changed SSA1124F.

SSA1CMFX - CICS Extract
- Incorrect data.
- Corrects problem introduced by the 2004/12/10 Genlevel.
- Modules changed: SSA10UCE, SSA11UCE.

SSA1LIBM – Library Member Merge Utility
- Write error messages to SYSMSGS.
- Module changed SSA10LM.

SSA1PCSW - Data Reduction Accounting SubSystem
- Incorrect data reduction.
- Corrects problem introduced by the 2004/12/10 Genlevel.
- Module changed SSA101J.

SSA1TMNX – TMON Extract
- Incorrect data.
- Corrects problem introduced by the 2004/12/10 Genlevel.
- Modules changed: SSA10UTE, SSA11UTE.

SSA1USCW – CICS Dial-up Activity
- Incorrect data reduction.
- Corrects problem introduced by the 2004/12/10 Genlevel.
- Module changed SSA101CU

SSA1WKLD - Workload Subsystem Data Reduction
- Incorrect data reduction.
    - Corrects problem introduced by the 2004/12/10 Genlevel.
    - Modules changed: SSA1001, SSA11UCX.
- Message: SSA1FLPT - Floating Point Number Exceeds CPPR Limit.
    - SC # 10365.
    - Module changed SSA11110.
- Ficon Channel Busy report at 100%.
    - SC # 10500.
    - Module changed SSA1115F.

ISPF/PDF Skeleton (CPPRSLIB):

HGDLIB Skeleton JCL
- Changed graphing program control statements to be more acceptable to EXCEL.
- Modules changed: DBRBS001, DBR1S001, DBR2S001, DBR3S001, DBR4S001, DBR5S001, DBR6S001, DBR7S001, DBR8S001

Enhancements / Updates to
CIMS Capacity Planner V5.3
Jan 2004 - Dec 2004
2004/12/10 Genlevel

Enhancements:

AS400 Support
- Added support for current release of AS400.
- Added system availability reporting.
- Added Include and Exclude processing to SSA1AS4R.

SSA1DCLW – DCOLLECT Data Reduction
- Added secondary Ad Hoc reporting when processing DCOLLECT data.

SSA1CICW - Data Reduction CICS, TMON/CICS 2.0
- Added output processing statistics to CICS data reduction.

SSA1DASX – DASM Graphs
- New Percentage Allocated graph for DASM Subsystem.

SSA1TAPW - Tape Subsystem Data Reduction
- Added VOLSER filter to Ad Hoc report for Tape Subsystem.

SSA1TGRU - PR/SM Sysplex Graphs
- Added Exclude processing for PR/SM Sysplex graph creation.

Unix Support
- Enhanced SAR input processing to simplify the input of data from many UNIX Servers.
- Added ability to consolidate UNIX SAR data without pre-defining UNIX servers.
- Added duplicate data checking.
- Added ability to report data by UNIX Server name.
- Added UNIX Server Availability reports and graphs.
- Added ability to process UNIX file system capacity information provided by CIMS Data Collector for UNIX.

Updates:

SSA1CICW - Data Reduction CICS, TMON/CICS 2.0
- Added code to prevent processing of duplicate data.
  - TC # 10338
  - Module changed SSA1122B
- BMC's Mainview CICS changed date formats.
  - TC # 10238
  - Module changed SSA110B
- Added date check to database insert routine to prevent data with a future date.
  - TC # 10382
  - Module changed SSA1410W

SSA1CICY – CICS Graphs
- Corrected erroneous numbers reported in Monthly Dispatch Time graph, caused by overflow of numeric values.
- TC # 10373
- Modules changed: SSA1342Y and SSA1343Y

SSA1DASX – DASM Graphs
- Corrected erroneous data in storage group utilization.
  - TC # 10051
  - Module changed SSA1305X
- Changed granularity to .X gigabytes to prevent numeric overflow.
  - TC # 10051
  - Modules changed: SSA1331X and SSA1333X

SSA1DB2W – DB2 Data Reduction
- Corrected abend S0C4 during DB2 data reduction.
  - TC # 9682
  - Modules changed: SSA1162 and SSA1163
- Corrected incorrect calculation of GMT offset.
  - TC # 10342
  - Modules changed: SSA110BF and SSA11606

SSA1DCLW – DCOLLECT Data Reduction
- Corrected Volume Allocation report for DCOLLECT data. When the free space was large, the value in %FREE might have been wrong.
- TC # 10269
- Modules changed: SSA1303 and SSA1303D

SSA1GENR – Generic Subsystem Report Generation Program
- Longer key values provided in generic processing.
- TC # 10367
- Modules changed: SSA1373G and SSA1642

SSA1IMSW – IMS Data Reduction
- Corrected invalid return code when processing multiple IMS log files.
- TC # 10360
- Module changed SSA101I

SSA1PDBD - Performance Table Delete Utility
- Corrected abend S337 reading SYSUT3. Tables were written that were not changed.
- TC # 9632
- Module changed SSA100Q

SSA1TAPW - Tape Subsystem Data Reduction
- Overflow of storage value when reducing RMM data. Format of the RMM Extract changed to accommodate larger tapes.
- TC # 10150
- Module changed SSA1301W

SSA1WKLD - Workload Subsystem Data Reduction

- Corrected missing values for PRODx50 (Overall Channel Activity) charts from SSA1TGRF. Channel Busy numbers were relocated in RMF type 73 record.
  - TC # 10180
  - Module changed SSA1115F
- Updated CMF2 Extract processing to call user exit at end of file.
  - Modules changed: SSA11UCX , SSA1101 and SSA11001

TMON 2.2 support

- Updated TMON CICS 2.2 log record processing.
- Modules changed: SSA11UTE, SSA110TA, SSA110TB, SSA110TE, SSA110TQ SSA1124A and SSA1124U

Control Library (CNTL):

DASMCOLA

- Added JCL for secondary Ad Hoc reporting when processing DCOLLECT data.

DAS4PROD and DAS4REPT

- Updated for latest versions of AS400.

DUNXDGRF, DUNXHGRF, DUNXMGRF, DUNXREPT, DUNXSARX and DUNXWGRF

- Updated JCL for Unix support.
- Added JCL member DUNXSARX for consolidating the Unix Server SAR data.

LINKJCL Library:

SSA1AS4R

- Added modules for AS400 support.

SSA1DCLW

- Added modules for secondary Ad Hoc reports.

SSA1UNGA, SSA1UNRA, SSA1UNXR, SSA1UNXW and UCSLSARX

- Added modules for Unix support.