

CA DB2 Tools 20.0  
CA RS 2001 Service List

| Service | Description  | Type      |
|---------|--|-----------|
| SO10277 | CONSISTENT INPUT PARM HANDLING IN BIND ANALYZER              | PTF       |
| SO10278 | CONSISTENT INPUT PARM HANDLING IN BIND ANALYZER              | PTF       |
| SO10662 | CATALOG TABLE DIRECTORY SERVICE TO SUPPORT V12R1M506         | PTF       |
| SO10739 | IQL SUPPORT FOR THE ACTIVE THREADS SCREEN THREAD TYPE PARM   | PTF       |
| SO10817 | TOLERATE CHECKPOINTS IN DSVOLSER                             | PTF       |
| SO10835 | SA03 ABEND IN XMANAGER WHEN APPLICATION PLAN FAILS TO OPEN   | PTF       |
| SO10867 | SYNC_RIO NOT CAPTURED FOR DB2 V12 AFTER UI62144 RSU1906+     | PTF       |
| SO10906 | CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS         | PTF       |
| SO10907 | CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS         | PTF       |
| SO10908 | CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS         | PTF       |
| SO10955 | MISSING GETPAGES   | PTF       |
| SO10974 | MITIGATE ENHANCED DROP TABLE SUPPORT                         | PTF       |
| SO10975 | MITIGATE ENHANCED DROP TABLE SUPPORT                         | PTF       |
| SO10978 | RCM GENERATES CREATE AUXILIARY TABLE DDL FOR PART 2 & SO ON  | PTF       |
| SO11009 | CA UTILITY SORT V3.1.0.0 BATCH-12 INSTALL                    | PTF       |
| SO11013 | PFU0420E FOR TIMESTAMP COLUMN WHEN CALLED FROM RCM           | PTF       |
| SO11017 | PDA PROC RAQHS2B/3B ENDS WITH RC=8, NO REPORT GENERATED      | PTF       |
| SO11048 | RUNSTATS GENERATED FOR TABLESPACE AND ITS INDEXES SEPERATELY | PTF       |
| SO11052 | DB2 MAY ABEND AFTER PFU SHRLEVEL CHANGE WITH LOB DATA        | *HIP/PRP* |
| SO11078 | TEST DATA MANAGER SUPPORT IN RCX                             | PTF       |
| SO11079 | TEST DATA MANAGER SUPPORT IN RCX                             | PTF       |
| SO11080 | DSN1990I DSNICPG RECEIVED FOR BROKEN TABLESPACE PAGE(S)      | *HIP/PRP* |
| SO11083 | REARCHITECTURE OF THE INDEX REBUILD                          | PTF       |
| SO11084 | REARCHITECTURE OF THE INDEX REBUILD                          | PTF       |
| SO11085 | REARCHITECTURE OF THE INDEX REBUILD                          | PTF       |
| SO11105 | COPYING A TABLE FAILS WITH ERROR IN BATCH MODE               | PTF       |
| SO11107 | INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES                | PTF       |
| SO11108 | INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES                | PTF       |
| SO11109 | INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES                | PTF       |
| SO11110 | INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES                | PTF       |
| SO11112 | INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR       | PTF       |
| SO11113 | INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR       | PTF       |
| SO11114 | INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR       | PTF       |
| SO11129 | V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT               | PTF       |
| SO11130 | V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT               | PTF       |
| SO11131 | V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT               | PTF       |
| SO11133 | TRIGGER TEXT DUPLICATED IN TG-TX REPORT                      | PTF       |
| SO11168 | RECOVER PFR0473E ABEND S0C4 WHEN CALLING IBM                 | PTF       |
| SO11169 | RECOVER PFR0473E ABEND S0C4 WHEN CALLING IBM                 | PTF       |
| SO11180 | OFS HEALTH CHECKER INVALID ERROR MESSAGE GENERATED           | PTF       |
| SO11196 | OBID, DBID, PSID AND NACTIVE DATA INCOMPLETE IN TS-L REPORT  | PTF       |
| SO11197 | OBID, DBID, PSID AND NACTIVE DATA INCOMPLETE IN TS-L REPORT  | PTF       |
| SO11200 | IBM UTILITY HARNESS IMPROVEMENTS FOR CRITICAL REORG          | PTF       |
| SO11201 | GEZUPMMG: DB2 TASKLIB ERROR IN UPMLOG CAUSING PUT9007E       | PTF       |
| SO11221 | CA UTILITY SORT ENHANCEMENTS                                 | PTF       |
| SO11222 | CA UTILITY SORT ENHANCEMENTS                                 | PTF       |
| SO11234 | FASTLOAD TASK RESTRUCTURE - PHASE 2                          | PTF       |
| SO11235 | FASTLOAD TASK RESTRUCTURE - PHASE 2                          | PTF       |
| SO11236 | FASTLOAD TASK RESTRUCTURE - PHASE 2                          | PTF       |
| SO11237 | FASTLOAD TASK RESTRUCTURE - PHASE 2                          | PTF       |
| SO11238 | FASTLOAD TASK RESTRUCTURE - PHASE 2                          | PTF       |
| SO11239 | FASTLOAD TASK RESTRUCTURE - PHASE 2                          | PTF       |
| SO11255 | ALTER INDEX STRATEGY FAILS WITH RMA091E ERROR                | PTF       |
| SO11261 | RC/MERGER RUNS REPAIR UTILITIES WHEN RBA_FORMAT IS BLANK     | PTF       |
| SO11263 | RESET PROCESSING ENVIRONMENT AFTER VIEWING TRACE DATA        | PTF       |
| SO11317 | EXCESSIVE ABOVE THE BAR/AUX STORAGE USAGE                    | PTF       |

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| Service   | Description   | Type |
|---|---|------|
| SO11323   | CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS  | PTF  |
| SO11345   | PSA MAY ABEND WITH 0C9 WHEN VIEW BY TABLE IS SELECTED | PTF  |
| The CA RS 2001 service count for this release is 58 |   |      |

CA DB2 Tools  
CA RS 2001 Service List for CIDBK00

| FMID  | Service | Description  | Type |
|---|---------|--|------|
| CIDBK00   | SO10739 | IQL SUPPORT FOR THE ACTIVE THREADS SCREEN THREAD TYPE PARM | PTF  |
|   | SO10906 | CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS       | PTF  |
| The CA RS 2001 service count for this FMID is 2 |         |  |      |

CA DB2 Tools  
CA RS 2001 Service List for CINSK00

| FMID   | Service | Description  | Type |
|--|---------|--|------|
| CINSK00  | SO10662 | CATALOG TABLE DIRECTORY SERVICE TO SUPPORT V12R1M506         | PTF  |
|  | SO10835 | SA03 ABEND IN XMANAGER WHEN APPLICATION PLAN FAILS TO OPEN   | PTF  |
|  | SO10907 | CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS         | PTF  |
|  | SO10974 | MITIGATE ENHANCED DROP TABLE SUPPORT                         | PTF  |
|  | SO10978 | RCM GENERATES CREATE AUXILIARY TABLE DDL FOR PART 2 & SO ON  | PTF  |
|  | SO11048 | RUNSTATS GENERATED FOR TABLESPACE AND ITS INDEXES SEPERATELY | PTF  |
|  | SO11078 | TEST DATA MANAGER SUPPORT IN RCX                             | PTF  |
|  | SO11084 | REARCHITECTURE OF THE INDEX REBUILD                          | PTF  |
|  | SO11112 | INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR       | PTF  |
|  | SO11129 | V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT               | PTF  |
|  | SO11196 | OBID, DBID, PSID AND NACTIVE DATA INCOMPLETE IN TS-L REPORT  | PTF  |
|  | SO11201 | GEZUPMMG: DB2 TASKLIB ERROR IN UPMLOG CAUSING PUT9007E       | PTF  |
|  | SO11221 | CA UTILITY SORT ENHANCEMENTS                                 | PTF  |
|  | SO11234 | FASTLOAD TASK RESTRUCTURE - PHASE 2                          | PTF  |
|  | SO11255 | ALTER INDEX STRATEGY FAILS WITH RMA091E ERROR                | PTF  |
|  | SO11261 | RC/MERGER RUNS REPAIR UTILITIES WHEN RBA_FORMAT IS BLANK     | PTF  |
|  | SO11317 | EXCESSIVE ABOVE THE BAR/AUX STORAGE USAGE                    | PTF  |
| The CA RS 2001 service count for this FMID is 17 |         |  |      |

CA DB2 Tools  
CA RS 2001 Service List for COFSK00

| FMID  | Service | Description  | Type |
|---|---------|--|------|
| COFSK00   | SO11180 | OFS HEALTH CHECKER INVALID ERROR MESSAGE GENERATED | PTF  |
| The CA RS 2001 service count for this FMID is 1 |         |  |      |

CA DB2 Tools  
CA RS 2001 Service List for CPBAK00

| FMID  | Service | Description                                     | Type |
|---|---------|---|------|
| CPBAK00   | SO10277 | CONSISTENT INPUT PARM HANDLING IN BIND ANALYZER | PTF  |
|   | SO11130 | V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT  | PTF  |
| The CA RS 2001 service count for this FMID is 2 |         |   |      |

CA DB2 Tools  
CA RS 2001 Service List for CPDAK00

| FMID  | Service | Description   | Type |
|---|---------|---|------|
| CPDAK00   | SO11017 | PDA PROC RAQHS2B/3B ENDS WITH RC=8, NO REPORT GENERATED | PTF  |
| The CA RS 2001 service count for this FMID is 1 |         |   |      |

CA DB2 Tools  
CA RS 2001 Service List for CPDTK00

| FMID  | Service | Description   | Type |
|---|---------|---|------|
| CPDTK00   | SO10908 | CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS  | PTF  |
|   | SO11263 | RESET PROCESSING ENVIRONMENT AFTER VIEWING TRACE DATA | PTF  |
| The CA RS 2001 service count for this FMID is 2 |         |   |      |

CA DB2 Tools  
CA RS 2001 Service List for CPFLK00

| FMID  | Service | Description                                   | Type |
|---|---------|---|------|
| CPFLK00   | SO11107 | INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES | PTF  |
|   | SO11235 | FASTLOAD TASK RESTRUCTURE - PHASE 2           | PTF  |
| The CA RS 2001 service count for this FMID is 2 |         |   |      |

CA DB2 Tools  
CA RS 2001 Service List for CPFUK00

| FMID  | Service | Description   | Type      |
|---|---------|---|-----------|
| CPFUK00   | SO11013 | PFU0420E FOR TIMESTAMP COLUMN WHEN CALLED FROM RCM    | PTF       |
|   | SO11052 | DB2 MAY ABEND AFTER PFU SHRLEVEL CHANGE WITH LOB DATA | *HIP/PRP* |
|   | SO11108 | INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES         | PTF       |
|   | SO11236 | FASTLOAD TASK RESTRUCTURE - PHASE 2                   | PTF       |
| The CA RS 2001 service count for this FMID is 4 |         |   |           |

CA DB2 Tools  
CA RS 2001 Service List for CPLAK00

| FMID  | Service | Description  | Type |
|---|---------|--|------|
| CPLAK00   | SO11113 | INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR | PTF  |
| The CA RS 2001 service count for this FMID is 1 |         |  |      |

CA DB2 Tools  
CA RS 2001 Service List for CPPAK00

| FMID  | Service | Description                                     | Type |
|---|---------|---|------|
| CPPAK00   | SO10278 | CONSISTENT INPUT PARM HANDLING IN BIND ANALYZER | PTF  |
|   | SO11131 | V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT  | PTF  |
| The CA RS 2001 service count for this FMID is 2 |         |   |      |

CA DB2 Tools  
CA RS 2001 Service List for CPRAK00

| FMID  | Service | Description                      | Type |
|---|---------|----------------------------------|------|
| CPRAK00   | SO10817 | TOLERATE CHECKPOINTS IN DSVOLSER | PTF  |
| The CA RS 2001 service count for this FMID is 1 |         |                                  |      |

CA DB2 Tools  
CA RS 2001 Service List for CPRRK00

| FMID  | Service | Description   | Type      |
|---|---------|---|-----------|
| CPRRK00   | SO11080 | DSN1990I DSN1CPG RECEIVED FOR BROKEN TABLESPACE PAGE(S) | *HIP/PRP* |
|   | SO11109 | INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES           | PTF       |
|   | SO11200 | IBM UTILITY HARNESS IMPROVEMENTS FOR CRITICAL REORG     | PTF       |
|   | SO11222 | CA UTILITY SORT ENHANCEMENTS                            | PTF       |
|   | SO11237 | FASTLOAD TASK RESTRUCTURE - PHASE 2                     | PTF       |
| The CA RS 2001 service count for this FMID is 5 |         |   |           |

CA DB2 Tools  
CA RS 2001 Service List for CPSAK00

| FMID  | Service | Description  | Type |
|---|---------|--|------|
| CPSAK00   | SO10867 | SYNC_RIO NOT CAPTURED FOR DB2 V12 AFTER UI62144 RSU1906+ | PTF  |
|   | SO10955 | MISSING GETPAGES   | PTF  |
|   | SO11345 | PSA MAY ABEND WITH 0C9 WHEN VIEW BY TABLE IS SELECTED    | PTF  |
| The CA RS 2001 service count for this FMID is 3 |         |  |      |

CA DB2 Tools  
CA RS 2001 Service List for CPUTK00

| FMID  | Service | Description  | Type |
|---|---------|--|------|
| CPUTK00   | SO11085 | REARCHITECTURE OF THE INDEX REBUILD                    | PTF  |
|   | SO11110 | INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES          | PTF  |
|   | SO11114 | INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR | PTF  |
|   | SO11168 | RECOVER PFR0473E ABEND SOC4 WHEN CALLING IBM           | PTF  |
|   | SO11238 | FASTLOAD TASK RESTRUCTURE - PHASE 2                    | PTF  |
| The CA RS 2001 service count for this FMID is 5 |         |  |      |

CA DB2 Tools  
CA RS 2001 Service List for CRCQK00

| FMID  | Service | Description   | Type |
|---|---------|---|------|
| CRCQK00   | SO11133 | TRIGGER TEXT DUPLICATED IN TG-TX REPORT                     | PTF  |
|   | SO11197 | OBID, DBID, PSID AND NACTIVE DATA INCOMPLETE IN TS-L REPORT | PTF  |
| The CA RS 2001 service count for this FMID is 2 |         |   |      |

CA DB2 Tools  
CA RS 2001 Service List for CRCUK00

| FMID  | Service | Description                                    | Type |
|---|---------|--|------|
| CRCUK00   | SO10975 | MITIGATE ENHANCED DROP TABLE SUPPORT           | PTF  |
|   | SO11105 | COPYING A TABLE FAILS WITH ERROR IN BATCH MODE | PTF  |
| The CA RS 2001 service count for this FMID is 2 |         |  |      |

CA DB2 Tools  
CA RS 2001 Service List for CRCXK00

| FMID  | Service | Description                      | Type |
|---|---------|----------------------------------|------|
| CRCXK00   | SO11079 | TEST DATA MANAGER SUPPORT IN RCX | PTF  |
| The CA RS 2001 service count for this FMID is 1 |         |                                  |      |

CA DB2 Tools  
CA RS 2001 Service List for CUGRK00

| FMID  | Service | Description  | Type |
|---|---------|--|------|
| CUGRK00   | SO11083 | REARCHITECTURE OF THE INDEX REBUILD                  | PTF  |
|   | SO11169 | RECOVER PFR0473E ABEND SOC4 WHEN CALLING IBM         | PTF  |
|   | SO11239 | FASTLOAD TASK RESTRUCTURE - PHASE 2                  | PTF  |
|   | SO11323 | CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS | PTF  |
| The CA RS 2001 service count for this FMID is 4 |         |  |      |

CA DB2 Tools  
CA RS 2001 Service List for CUTSK00

| FMID  | Service | Description                               | Type |
|---|---------|---|------|
| CUTSK00   | SO11009 | CA UTILITY SORT V3.1.0.0 BATCH-12 INSTALL | PTF  |
| The CA RS 2001 service count for this FMID is 1 |         |   |      |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO10277 Details

| Service | Details   |
|---------|---|
| SO10277 | <p>SO10277 M.C.S. ENTRIES = ++PTF (SO10277)</p> <p>CONSISTENT INPUT PARM HANDLING IN BIND ANALYZER</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This CA Bind Analyzer for DB2 for z/OS (PBA) enhancement implements consistent parameter handling and messaging across all 3 ways that parameters can be specified (JCL Parms, PTIPARM, or PBAPARM) for each Bind Analyzer function.</p> <p>Parameter error and warning messages will now be reported as follows:</p> <p>PARM= parm-keyword (parm-value)</p> <p>PBAxxxx message text</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Bind Analyzer for DB2 for z/OS <span style="float: right;">Release 20.0</span></p> <p>Related Problem:</p> <p>PBA 113</p> <p>Copyright (C) 2019 CA. All rights reserved. R00549-D200-SP0</p> <p>DESC(CONSISTENT INPUT PARM HANDLING IN BIND ANALYZER).</p> <p>++VER (Z038)</p> <p>FMID (CPBAK00)</p> <p>PRE ( R096578 SO01398 SO09786 SO10713 )</p> <p>SUP ( ST10277 )</p> <p>++IF FMID(CPPAK00) REQ(SO10278 ) .</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO10278 Details

| Service | Details  |
|---------|--|
| SO10278 | <p>SO10278 M.C.S. ENTRIES = ++PTF (SO10278)</p> <p>CONSISTENT INPUT PARM HANDLING IN BIND ANALYZER<br/>           ENHANCEMENT DESCRIPTION:<br/>           This CA Bind Analyzer for DB2 for z/OS (PBA) enhancement implements consistent parameter handling and messaging across all 3 ways that parameters can be specified (JCL Parms, PTIPARM, or PBAPARM) for each Bind Analyzer function.<br/>           Parameter error and warning messages will now be reported as follows:<br/>           PARM= parm-keyword (parm-value)<br/>           PBAXxxx message text<br/>           PRODUCT(S) AFFECTED:<br/>           CA Bind Analyzer for DB2 for z/OS Release 20.0<br/>           Related Problem:<br/>           PBA 113<br/>           Copyright (C) 2019 CA. All rights reserved. R00549-D200-SP0</p> <p>DESC(CONSISTENT INPUT PARM HANDLING IN BIND ANALYZER).<br/>           ++VER (Z038)<br/>           FMID (CPPAK00)<br/>           PRE ( R096584 R097710 R099560 SO00021 SO01404 SO04462<br/>           SO06120 SO06869 SO07814 SO08451 SO09787 SO09862<br/>           SO10000 SO10714 )<br/>           SUP ( ST09784 ST10278 )<br/>           ++IF FMID(CPBAK00) REQ(SO10277 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10662 Details

| Service | Details  |
|---------|--|
| SO10662 | <p>SO10662 M.C.S. ENTRIES = ++PTF (SO10662)</p> <p>CATALOG TABLE DIRECTORY SERVICE TO SUPPORT V12R1M506</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>Internal enhancement to add support for Db2 12 Function Level V12R1M506 to the internal Catalog Table Directory Service of CA Database Management Solutions for DB2 for z/OS.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Database Management Solutions for DB2 for z/OS Version 20.0</p> <p>Related Problem:</p> <p>GEN 1408</p> <p>Copyright (C) 2019 CA. All rights reserved. R00595-D200-SP0</p> <p>DESC(CATALOG TABLE DIRECTORY SERVICE TO SUPPORT V12R1M506).</p> <p>++VER (Z038)</p> <p>FMID (CINSK00)</p> <p>PRE ( R096576 R097704 R099553 S000016 S000785 S000978<br/>S001396 S001655 S003959 S004129 S004455 S004718<br/>S004794 S005011 S005199 S006113 S006497 S006608<br/>S006638 S006863 S006978 S007169 S007379 S007807<br/>S007940 S008434 S008662 S008804 S008825 S008832<br/>S008847 S008859 S008869 S009022 S009105 S009205<br/>S009426 S009761 S009785 S009860 S009976 S009999<br/>S010041 S010046 S010162 S010173 S010174 S010200<br/>S010417 S010676 S010712 )</p> <p>SUP ( ST10662 )</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10739 Details

| Service | Details   |
|---------|---|
| SO10739 | <p>SO10739 M.C.S. ENTRIES = ++PTF (SO10739)</p> <p>IQL SUPPORT FOR THE ACTIVE THREADS SCREEN THREAD TYPE PARM<br/>ENHANCEMENT DESCRIPTION:<br/>The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) has been enhanced to allow the "Thread Type" filter from the Active Threads screen to be coded in an IQL request.<br/>The new parameter may contain the same values available on the Active Threads (THRDACTV) request:<br/>ALL<br/>ACTIVE<br/>DBATS<br/>INACTIVE<br/>INDB2<br/>REQUESTORS<br/>NON-DISTRIB<br/>The value is coded in parentheses immediately following the record type, which must be THREAD-STATS.<br/>Example:<br/>MYTHREAD: TRACE (COLFMT=NO)<br/>&lt;&lt; THREAD-STATS (INACTIVE)<br/>field1<br/>field2<br/>field3<br/>&gt;&gt;<br/>PRODUCT(S) AFFECTED:<br/>CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0<br/>Related Problem:<br/>IDB2 2427<br/>Copyright (C) 2019 CA. All rights reserved. R00605-D200-SP0</p> <p>DESC(IQL SUPPORT FOR THE ACTIVE THREADS SCREEN THREAD TYPE PARM).<br/>++VER (Z038)<br/>FMID (CIDBK00)<br/>PRE ( R096575 R097703 R099552 S000015 S000077 S001395<br/>S004454 S005010 S006112 S006862 S006977 S007806<br/>S008846 S009177 S009519 S009859 S010160 S010716 )<br/>SUP ( S009054 ST09054 ST10738 ST10739 )</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10817 Details

| Service | Details  |
|---------|--|
| SO10817 | <p>SO10817 M.C.S. ENTRIES = ++PTF (SO10817)</p> <p>TOLERATE CHECKPOINTS IN DSVOLSER</p> <p>ENHANCEMENT DESCRIPTION:<br/>This enhancement updates CA Recovery Analyzer for DB2 for z/OS to tolerate CHECKPOINT information in the SYSIBM.SYSCOPY DSVOLSER column.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Recovery Analyzer for DB2 for z/OS Release 20.0</p> <p>Related Problem:<br/>PRA 890</p> <p>Copyright (C) 2019 CA. All rights reserved. R00614-D200-SP0</p> <p>DESC(TOLERATE CHECKPOINTS IN DSVOLSER).<br/>++VER (Z038)<br/>FMID (CPRAK00)<br/>PRE ( R097711 R099561 SO00022 SO01405 SO04463 SO04796<br/>SO06121 SO08922 SO09714 SO09863 )<br/>SUP ( ST10817 )<br/>++HOLD (SO10817) SYSTEM FMID(CPRAK00)<br/>REASON (DB2BIND) DATE (19338)<br/>COMMENT (</p> <pre> +-----+        CA Recovery Analyzer for DB2 for z/OS      Version 20.0        +-----+  SEQUENCE   After Apply   +-----+  PURPOSE    Bind Plans and Packages   +-----+  USERS         AFFECTED   All Users   +-----+  KNOWLEDGE      REQUIRED    CA DB2 Tools Post Install Customization.   +-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED    2. BIND, SYSADM or SYSCNTL on DB2 subsystem.   +-----+ ***** * STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the CA Database Management Solutions for DB2 for z/OS on docops.ca.com for more information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If CA SYSVIEW for DB2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors. ).</pre> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10835 Details

| Service | Details   |
|---------|---|
| SO10835 | <p>SO10835 M.C.S. ENTRIES = ++PTF (SO10835)</p> <p>SA03 ABEND IN XMANAGER WHEN APPLICATION PLAN FAILS TO OPEN</p> <p>PROBLEM DESCRIPTION:</p> <p>Utility Process Manager (UPM) may ABEND with completion code SA03 when the PUT General Utilities Plan fails to open during the FASTSWITCH phase of CA Rapid Reorg for DB2 for z/OS (PRR) or CA Fast Load for DB2 for z/OS (PFL). The problem may occur when you are running PRR or PFL, FASTSWITCH YES is specified, and the PUT plan is invalidated during the utility execution or a Db2 error is preventing the plan from opening.</p> <p>SYMPTOMS:</p> <p>The following symptom dump is produced in the XMANAGER JES output:</p> <p>SYSTEM COMPLETION CODE=A03<br/> TIME=hh.mm.ss SEQ=nnnnn CPU=0000 ASID=asid<br/> PSW AT TIME OF ERROR 070C2000 8C6EC3AA ILC 2 INTC 0D<br/> NO ACTIVE MODULE FOUND<br/> NAME=UNKNOWN<br/> DATA AT PSW 0C6EC3A4 - 58108010 0A0D58E0 02FC58D0<br/> AR/GR 0: 00000000/00000000_00000008 1: 00000000/00000000_80A03000<br/> 2: FFFFFFFF/00000000_007B4590 3: FFFFFFFF/FFFFFFF7F641878<br/> 4: FFFFFFFF/FFFFFFF007B4590 5: FFFFFFFF/FFFFFFF7F464618<br/> 6: FFFFFFFF/00000000_0C6E5E70 7: FFFFFFFF/FFFFFFF007B32F8<br/> 8: FFFFFFFF/00000000_0C6ED990 9: FFFFFFFF/FFFFFFF007F8020<br/> A: FFFFFFFF/FFFFFFF00000000 B: FFFFFFFF/FFFFFFF00EC6880<br/> C: FFFFFFFF/FFFFFFF007F8020 D: FFFFFFFF/00000000_007F808C<br/> E: 00000000/00000000_8C6E4328 F: 00000000/00000000_8C6EC330<br/> END OF SYMPTOM DUMP</p> <p>The following messages are in the UPMLLOG output of the XMANAGER:</p> <p>GEZDBDCR: DB2 Connect Error(RC: 12 BDBRC: 12 BDBRES: 15925312)<br/> GEZDBDCR: PLAN NAME: put-plan WAS NOT FOUND IN DB2 SUBSYSTEM ssid<br/> GEZDBDCR: Init DB2 Connection Failure<br/> GEZDBDCR: Commit Update Failure</p> <p>The running utility will fail with RC=8 and the following messages are printed in the PTIMSG output.</p> <p>For PRR:<br/> PUT9007E - UPM FASTSWITCH request failed RC=00A03000<br/> - Shadow datasets will not be RENAMED per request.</p> <p>For PFL:<br/> PFL0171E - UPM COMMIT FAILED for FASTSWITCH UPM RC=8048<br/> PFL0172E - FAILED to FASTSWITCH RC=0008 RSN=0081</p> <p>IMPACT:<br/> The ABEND is issued instead of a regular error message.<br/> The utility job fails.<br/> An unnecessary DUMP can be produced for the XMANAGER.</p> <p>CIRCUMVENTION:<br/> Re-run the utility job.</p> <p>PRODUCT(S) AFFECTED:<br/> CA Rapid Reorg for DB2 for z/OS <span style="float: right;">Version 20.0</span><br/> CA Fast Load for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/> INS 471</p> <p>Copyright (C) 2019 CA. All rights reserved. R00618-D200-SP0</p> <p>DESC(SA03 ABEND IN XMANAGER WHEN APPLICATION PLAN FAILS TO OPEN).<br/> ++VER (Z038)<br/> FMID (CINSK00)<br/> PRE ( SO00016 )<br/> SUP ( ST10835 )<br/> ++HOLD (SO10835) SYSTEM FMID(CINSK00)<br/> REASON (RESTART) DATE (19337)<br/> COMMENT (</p> <p>+-----+<br/>   CA DBM Solutions for DB2 for z/OS Base In <span style="float: right;">Version 20.0</span>  <br/> +-----+<br/>  SEQUENCE   Before Apply  </p> |

| Service   | Details  |
|---|--|
| PURPOSE   | Avoidance of module mismatch related errors in an Xmanager   |
| USERS<br> AFFECTED  | Collections of DB2 statistics via Detector or Subsystem  <br>  Analyzer.<br>  DB2 subsystems that have active collections. |
| KNOWLEDGE<br> REQUIRED  | 1. SMP/E<br>  2. z/OS System Programming<br>  3. CA DB2 Tools Installation and Maintenance procedures.                     |
| ACCESS<br> REQUIRED   | 1. Product runtime libraries.<br>  |
| +-----+-----+<br>*****<br>* STEPS TO PERFORM *<br>*****<br>To implement the PTF:<br>1. Stop product collections.<br>2. Stop the Xmanager task.<br>3. Update the runtime library.<br>4. Restart the Xmanager task.<br>Important!<br>Please do not apply maintenance to the Xmanager runtime libraries with<br>Xmanager active as it may result in a discrepancy between<br>dynamically loaded components and statically loaded components.<br>This may result in unpredictable behavior with CA-DB2 tools and/or may<br>compromise the operating system/DB2 including possible failures.<br>). |  |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10867 Details

| Service | Details  |
|---------|--|
| SO10867 | <p>SO10867 M.C.S. ENTRIES = ++PTF (SO10867)</p> <p>SYNC_RIO NOT CAPTURED FOR DB2 V12 AFTER UI62144 RSU1906+</p> <p>PROBLEM DESCRIPTION:<br/>CA Subsystem Analyzer for DB2 for z/OS (PSA) stops collecting SYNC_RIO statistics for DB2 V12 after RSU1906 is applied.</p> <p>SYMPTOMS:<br/>On the SS Analyzer Database Interval Summary panel, column SYNC_RIO displays all zeros.</p> <p>IMPACT:<br/>Incorrect statistics.</p> <p>CIRCUMVENTION:<br/>None.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Subsystem Analyzer for DB2 for z/OS Version 19.0<br/>CA Subsystem Analyzer for DB2 for z/OS Version 20.0</p> <p>Related Problem:<br/>PSA 520</p> <p>Copyright (C) 2019 CA. All rights reserved. R00620-D200-SP0</p> <p>DESC(SYNC_RIO NOT CAPTURED FOR DB2 V12 AFTER UI62144 RSU1906+).<br/>++VER (Z038)<br/>FMID (CPSAK00)<br/>PRE ( RO97716 RO98430 SO04468 SO06335 SO06873 SO07204 SO09432 )<br/>SUP ( SO00871 SO01635 SO08123 SO08190 SO09267 ST00871 ST01635 ST08123 ST08190 ST09266 ST09267 ST10535 ST10810 ST10863 ST10867 ST10905 TR97538 TR98368 )<br/>++HOLD (SO10867) SYSTEM FMID(CPSAK00)<br/>REASON (RESTART) DATE (19336)<br/>COMMENT (</p> <pre> +-----+        CA Subsystem Analyzer for DB2 for z/OS      Version 20.0        +-----+  SEQUENCE   Before Apply   +-----+  PURPOSE    Avoidance of module mismatch related errors in an Xmanager  +-----+  USERS      Collections of DB2 statistics via Detector or Subsystem    AFFECTED   Analyzer.               DB2 subsystems that have active collections.   +-----+  KNOWLEDGE   1. SMP/E    REQUIRED    2. z/OS System Programming               3. CA DB2 Tools Installation and Maintenance procedures.   +-----+  ACCESS     1. Product runtime libraries.    REQUIRED     +-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures. ).</pre> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10906 Details

| Service | Details   |
|---------|---|
| SO10906 | <p>SO10906 M.C.S. ENTRIES = ++PTF (SO10906)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> <li>1. CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS</li> <li>2. CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS</li> </ol> <p>=====</p> <p>CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS</p> <p>PROBLEM DESCRIPTION:</p> <p>CA Detector for DB2 for z/OS (PDT) has been changed to use ALET-based access to the DB2 address spaces.</p> <p>SYMPTOMS:</p> <p>No symptoms exist for this problem. This is an internal enhancement to use access registers (AR-mode).</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>Related Problem:</p> <p>PDT 1649</p> <p>=====</p> <p>CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS</p> <p>PROBLEM DESCRIPTION:</p> <p>The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) has been changed to use ALET-based access to the DB2 MSTR, DBM1, and IRLM address spaces.</p> <p>SYMPTOMS:</p> <p>No symptoms exist for this problem. This is an internal enhancement to use Access Registers (AR mode).</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA SYSVIEW Performance Management Option for DB2 for z/OS      Version 19.0<br/>CA SYSVIEW Performance Management Option for DB2 for z/OS      Version 20.0</p> <p>Related Problem:</p> <p>IDB2 2400</p> <p>Copyright (C) 2019 CA. All rights reserved. R00624-D200-SP0</p> <p>DESC(CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS).<br/>++VER (Z038)<br/>FMID (CIDBK00)<br/>PRE ( R096575 R097703 R099552 S000015 S000077 S001395<br/>S001664 S004454 S005010 S006112 S006862 S006977<br/>S007806 S008846 S009177 S009519 S009859 S010160<br/>S010716 S010739 )<br/>SUP ( S009743 S010248 ST01385 ST09743 ST10248 ST10860<br/>ST10902 ST10906 )<br/>++IF FMID(CINSK00) REQ(SO10907 ) .<br/>++IF FMID(CPDTK00) REQ(SO10908 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10907 Details

| Service | Details  |
|---------|--|
| SO10907 | <p>SO10907 M.C.S. ENTRIES = ++PTF (SO10907)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> <li>1. CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS</li> <li>2. CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS</li> </ol> <p>=====</p> <p>CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS</p> <p>PROBLEM DESCRIPTION:</p> <p>CA Detector for DB2 for z/OS (PDT) has been changed to use ALET-based access to the DB2 address spaces.</p> <p>SYMPTOMS:</p> <p>No symptoms exist for this problem. This is an internal enhancement to use access registers (AR-mode).</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>Related Problem:</p> <p>PDT 1649</p> <p>=====</p> <p>CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS</p> <p>PROBLEM DESCRIPTION:</p> <p>The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) has been changed to use ALET-based access to the DB2 MSTR, DBM1, and IRLM address spaces.</p> <p>SYMPTOMS:</p> <p>No symptoms exist for this problem. This is an internal enhancement to use Access Registers (AR mode).</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA SYSVIEW Performance Management Option for DB2 for z/OS      Version 19.0<br/>CA SYSVIEW Performance Management Option for DB2 for z/OS      Version 20.0</p> <p>Related Problem:</p> <p>IDB2 2400</p> <p>Copyright (C) 2019 CA. All rights reserved. R00624-D200-SP0</p> <p>DESC(CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS).<br/>++VER (Z038)<br/>FMID (CINSK00)<br/>PRE ( R096576 R097704 R099553 S000016 S000785 S000978<br/>S001396 S001655 S001665 S003959 S004129 S004455<br/>S004718 S004794 S005011 S005199 S006113 S006497<br/>S006608 S006638 S006863 S006978 S007169 S007379<br/>S007807 S007940 S008434 S008662 S008804 S008825<br/>S008832 S008847 S008859 S008869 S009022 S009105<br/>S009205 S009426 S009761 S009785 S009860 S009976<br/>S009999 S010041 S010046 S010162 S010173 S010174<br/>S010200 S010417 S010662 S010676 S010712 S011078 )<br/>SUP ( SO09796 ST09796 ST10808 ST10861 ST10903 ST10907 )<br/>++IF FMID(CPDTK00) REQ(SO10908 ) .<br/>++IF FMID(CIDBK00) REQ(SO10906 ) .<br/>++HOLD (SO10907) SYSTEM FMID(CINSK00)<br/>REASON (RESTART)      DATE (19344)<br/>COMMENT (</p> <pre> +-----+            CA DBM Solutions for DB2 for z/OS Base In          Version 20.0            +-----+  SEQUENCE   Before Apply   +-----+  PURPOSE    Avoidance of module mismatch related errors in an Xmanager  +-----+  USERS      Collections of DB2 statistics via Detector or Subsystem   </pre> |

| Service  | Details               |  |
|--|-----------------------|--|
|  | AFFECTED              | Analyzer.<br>DB2 subsystems that have active collections.  |
|  | KNOWLEDGE<br>REQUIRED | 1. SMP/E<br>2. z/OS System Programming<br>3. CA DB2 Tools Installation and Maintenance procedures. |
|  | ACCESS<br>REQUIRED    | 1. Product runtime libraries.  |
| <pre> ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures. ).</pre> |                       |  |



| Service | Details  |   |
|---------|--|---|
|         | AFFECTED   | Analyzer.<br>DB2 subsystems that have active collections. |
|         | KNOWLEDGE  | 1. SMP/E  |
|         | REQUIRED   | 2. z/OS System Programming                                |
|         |  | 3. CA DB2 Tools Installation and Maintenance procedures.  |
|         | ACCESS   | 1. Product runtime libraries.                             |
|         | REQUIRED   |   |
|         | *****  |   |
|         | * STEPS TO PERFORM *   |   |
|         | *****  |   |
|         | To implement the PTF:  |   |
|         | 1. Stop product collections.   |   |
|         | 2. Stop the Xmanager task.   |   |
|         | 3. Update the runtime library.   |   |
|         | 4. Restart the Xmanager task.  |   |
|         | Important!   |   |
|         | Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. |   |
|         | This may result in unpredictable behavior with CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures.  |   |
|         | ).   |   |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10955 Details

| Service | Details  |
|---------|--|
| SO10955 | <p>SO10955 M.C.S. ENTRIES = ++PTF (SO10955)</p> <p>MISSING GETPAGES<br/>PROBLEM DESCRIPTION:<br/>CA Subsystem Analyzer for DB2 for z/OS (PSA) provides incorrect<br/>getpage counts for tables if it experiences a failure during<br/>tablespace lookup processing.<br/>SYMPTOMS:<br/>Getpage counts may be low or missing for some tables.<br/>IMPACT:<br/>Getpage counts may be low or missing for some tables.<br/>CIRCUMVENTION:<br/>N/A<br/>PRODUCT(S) AFFECTED:<br/>CA Subsystem Analyzer for DB2 for z/OS Version 19.0<br/>CA Subsystem Analyzer for DB2 for z/OS Version 20.0<br/>Related Problem:<br/>PSA 522<br/>Copyright (C) 2019 CA. All rights reserved. R00627-D200-SP0</p> <p>DESC(MISSING GETPAGES).<br/>++VER (Z038)<br/>FMID (CPSAK00)<br/>PRE ( SO04468 SO06126 SO07204 SO09432 )<br/>SUP ( ST10955 )<br/>++HOLD (SO10955) SYSTEM FMID(CPSAK00)<br/>REASON (RESTART) DATE (19345)<br/>COMMENT (</p> <pre> +-----+        CA Subsystem Analyzer for DB2 for z/OS      Version 20.0        +-----+  SEQUENCE   Before Apply   +-----+  PURPOSE    Avoidance of module mismatch related errors in an Xmanager  +-----+  USERS      Collections of DB2 statistics via Detector or Subsystem    AFFECTED   Analyzer.               DB2 subsystems that have active collections.   +-----+  KNOWLEDGE   1. SMP/E    REQUIRED    2. z/OS System Programming               3. CA DB2 Tools Installation and Maintenance procedures.   +-----+  ACCESS     1. Product runtime libraries.    REQUIRED     +-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures. ).</pre> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10974 Details

| Service | Details  |
|---------|--|
| SO10974 | <p>SO10974 M.C.S. ENTRIES = ++PTF (SO10974)</p> <p>MITIGATE ENHANCED DROP TABLE SUPPORT</p> <p>PROBLEM DESCRIPTION:<br/>In an analysis by CA RC/Migrator for Db2 for z/OS (RCM), a DROP statement may be generated for a tablespace or table. With changes introduced in Db2 V12R1M506, explicit tablespaces related to the dropped object may also be dropped without RCM being aware.</p> <p>SYMPTOMS:<br/>A subsequent create table using the explicit tablespace will fail with an SQLCODE of -204, ERROR: &lt;db-name&gt;.&lt;ts-name&gt; IS AN UNDEFINED NAME.</p> <p>IMPACT:<br/>The dropped tablespace must be recreated before restarting.</p> <p>CIRCUMVENTION:<br/>Before a DROP statement that may be cascaded to an explicit tablespace, add a SET CURRENT APPLICATION COMPATIBILITY ='V12R1M505' statement to revert the drop behavior to pre-M506 behavior.</p> <p>PRODUCT(S) AFFECTED:<br/>CA RC/Migrator for DB2 for z/OS Version 20.0<br/>CA RC/Compare for DB2 for z/OS Version 20.0<br/>CA RC/Update for DB2 for z/OS Version 20.0</p> <p>Related Problem:<br/>RCM 3031</p> <p>Copyright (C) 2019 CA. All rights reserved. R00631-D200-SP0</p> <p>DESC(MITIGATE ENHANCED DROP TABLE SUPPORT).<br/>++VER (Z038)<br/>FMID (CINSK00)<br/>PRE ( RO97704 R099553 SO01396 SO04455 SO04718 SO06113<br/>SO06638 SO06863 SO07379 SO09105 )<br/>SUP ( SO09790 SO10815 ST09790 ST10815 ST10974 )<br/>++IF FMID(CRCUK00) REQ(SO10975 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10975 Details

| Service | Details   |
|---------|---|
| SO10975 | <p>SO10975 M.C.S. ENTRIES = ++PTF (SO10975)</p> <p>MITIGATE ENHANCED DROP TABLE SUPPORT</p> <p>PROBLEM DESCRIPTION:<br/>In an analysis by CA RC/Migrator for Db2 for z/OS (RCM), a DROP statement may be generated for a tablespace or table. With changes introduced in Db2 V12R1M506, explicit tablespaces related to the dropped object may also be dropped without RCM being aware.</p> <p>SYMPTOMS:<br/>A subsequent create table using the explicit tablespace will fail with an SQLCODE of -204, ERROR: &lt;db-name&gt;.&lt;ts-name&gt; IS AN UNDEFINED NAME.</p> <p>IMPACT:<br/>The dropped tablespace must be recreated before restarting.</p> <p>CIRCUMVENTION:<br/>Before a DROP statement that may be cascaded to an explicit tablespace, add a SET CURRENT APPLICATION COMPATIBILITY = 'V12R1M505' statement to revert the drop behavior to pre-M506 behavior.</p> <p>PRODUCT(S) AFFECTED:<br/>CA RC/Migrator for DB2 for z/OS Version 20.0<br/>CA RC/Compare for DB2 for z/OS Version 20.0<br/>CA RC/Update for DB2 for z/OS Version 20.0</p> <p>Related Problem:<br/>RCM 3031</p> <p>Copyright (C) 2019 CA. All rights reserved. R00631-D200-SP0</p> <p>DESC(MITIGATE ENHANCED DROP TABLE SUPPORT).<br/>++VER (Z038)<br/>FMID (CRCUK00)<br/>PRE ( RO99571 SO00026 SO04472 SO04720 SO09109 )<br/>SUP ( ST10975 )<br/>++IF FMID(CINSK00) REQ(SO10974 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO10978 Details

| Service | Details  |
|---------|--|
| SO10978 | <p>SO10978 M.C.S. ENTRIES = ++PTF (SO10978)</p> <p>RCM GENERATES CREATE AUXILIARY TABLE DDL FOR PART 2 &amp; SO ON</p> <p>PROBLEM DESCRIPTION:<br/>When using CA RC/Migrator for DB2 for z/OS (RCM) to migrate a PBG tablespace the analysis generates create auxiliary table DDL for part 2.</p> <p>SYMPTOMS:<br/>Create aux table DDL for Part 2 is included in the script.</p> <p>IMPACT:<br/>AUX table DDL for part 2 is not needed.</p> <p>CIRCUMVENTION:<br/>None.</p> <p>PRODUCT(S) AFFECTED:<br/>CA RC/Migrator for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>RCM 3036</p> <p>Copyright (C) 2019 CA. All rights reserved. R00632-D200-SP0</p> <p>DESC(RCM GENERATES CREATE AUXILIARY TABLE DDL FOR PART 2 &amp; SO ON).<br/>++VER (Z038)<br/>FMID (CINSK00)<br/>PRE ( RO96576 RO97704 RO99553 SO00016 SO01396 SO04718<br/>SO06113 SO06638 SO07379 SO07807 SO08957 SO09105 )<br/>SUP ( SO09126 SO10331 SO10631 SO10827 ST08916 ST09126<br/>ST10331 ST10631 ST10827 ST10978 )</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11009 Details

| Service | Details   |
|---------|---|
| SO11009 | <p>SO11009 M.C.S. ENTRIES = ++PTF (SO11009)</p> <p>CA UTILITY SORT V3.1.0.0 BATCH-12 INSTALL</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This PTF is an infrastructure prerequisite for CA Utility Sort, and installs BATCH 12 of the CAUTIL SORT API for CA Utilities for DB2 for z/OS products.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA DBM Solutions for DB2 for z/OS Base Install Version 20.0</p> <p>Related Problem:</p> <p>GEN 1412</p> <p>Copyright (C) 2019 CA. All rights reserved. R00633-D200-SP0</p> <p>DESC(CA UTILITY SORT V3.1.0.0 BATCH-12 INSTALL).</p> <p>++VER (Z038)</p> <p>FMID (CUTSK00)</p> <p>PRE ( R095918 R095972 R096005 R096401 R098970 S000848<br/>       S006611 S007927 S009590 S010236 S010470 )</p> <p>SUP ( ST11009 )</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11013 Details

| Service | Details  |
|---------|--|
| SO11013 | <p>SO11013 M.C.S. ENTRIES = ++PTF (SO11013)</p> <p>PFU0420E FOR TIMESTAMP COLUMN WHEN CALLED FROM RCM</p> <p>PROBLEM DESCRIPTION:<br/>CA Fast Unload for DB2 for z/OS (PFU) may cause CA RC/Migrator for DB2 for z/OS (RCM) to incorrectly switch to IBM UNLOAD when there are timestamp columns.</p> <p>SYMPTOMS:<br/>The following RCM and PFU error messages:<br/>-- RMA225I FAST UNLOAD ERROR ON IJI1000P.INDV_UL_CVG_T .CALL UNLOAD USED.<br/>-- FAST UNLOAD ERROR MESSAGES FOLLOW<br/>--PFU0022W - SELECT #0001 TSFMT - COL PREV_UPDT_TS FORCES MICROSECOND T<br/>--PFU0175E - SEL#0001 COL: PREV_UPDT_TS COLTYP:TIMESTMP LEN:00026<br/>--PFU0176E - INTO FLD:PREV_UPDT_TS FLDTYP:TIMESTMP LEN:000<br/>--PFU0420E - LENGTH SPECIFIED IS INVALID FOR COLUMN DATA TYPE - SEE DOCU</p> <p>IMPACT:<br/>RCM switches to IBM UNLOAD.</p> <p>CIRCUMVENTION:<br/>Rerun the job.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Fast Unload for DB2 for z/OS Version 19.0<br/>CA Fast Unload for DB2 for z/OS Version 20.0</p> <p>Related Problem:<br/>PFU 1096</p> <p>Copyright (C) 2019 CA. All rights reserved. R00634-D200-SP0</p> <p>DESC(PFU0420E FOR TIMESTAMP COLUMN WHEN CALLED FROM RCM).<br/>++VER (Z038)<br/>FMID (CPFUK00)<br/>PRE ( SO01818 SO06118 )<br/>SUP ( ST11013 )</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11017 Details

| Service | Details  |
|---------|--|
| SO11017 | <p>SO11017 M.C.S. ENTRIES = ++PTF (SO11017)</p> <p>PDA PROC RAQHS2B/3B ENDS WITH RC=8, NO REPORT GENERATED</p> <p>PROBLEM DESCRIPTION:<br/>CA Database Analyzer for DB2 for z/OS (PDA) fails with an RC=8 during processing of a RAQHS2B or RAQHS3B report.<br/>No report is generated.</p> <p>SYMPTOMS:<br/>The RAQHS2B and RAQHS3B utility ends processing with a return code of 8 and no report is generated.<br/>No specific error message is issued.</p> <p>IMPACT:<br/>The requested report is not generated. There is no damage to user data.</p> <p>CIRCUMVENTION:<br/>Use reports (RAQHS2 and RAQHS2P) or (RAQHS3 and RAQHS3P) to get the information in two separate reports.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Database Analyzer For DB2 for z/OS Version 19.0<br/>CA Database Analyzer For DB2 for z/OS Version 20.0</p> <p>Related Problem:<br/>PDA 1358<br/>Copyright (C) 2019 CA. All rights reserved. R00635-D200-SP0</p> <p>DESC(PDA PROC RAQHS2B/3B ENDS WITH RC=8, NO REPORT GENERATED).<br/>++VER (Z038)<br/>FMID (CPDAK00)<br/>SUP ( ST11017 )<br/>++HOLD (SO11017) SYSTEM FMID(CPDAK00)<br/>REASON (DB2BIND) DATE (19345)<br/>COMMENT (</p> <pre> +-----+        CA Database Analyzer For DB2 for z/OS      Version 20.0        +-----+  SEQUENCE   After Apply   +-----+  PURPOSE    Bind Plans and Packages   +-----+  USERS         AFFECTED   All Users   +-----+  KNOWLEDGE      REQUIRED   CA DB2 Tools Post Install Customization   +-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED   2. BIND, SYSADM or SYSCNTL on DB2 subsystem.   +-----+ ***** * STEPS TO PERFORM * ***** Bind Control Cards have changed as part of this maintenances. After this maintenance is applied, Bind Control cards must be regenerated for all installed product plans and packages. Refer to the Installing documentation for the CA Database Management Solutions for DB2 for z/OS on docops.ca.com for more information about performing the task in the following step. 1. Using the newly generated Bind Control Cards, a Bind Replace must be performed on the plans and packages for all installed products. IMPORTANT! If CA SYSVIEW for DB2 is installed and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors. </pre> <p>-----+<br/>  CA Database Analyzer For DB2 for z/OS Version 20.0  </p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11017 Details

| Service | Details   |
|---------|---|
|         | <pre> +-----+-----+  SEQUENCE   After Apply   +-----+-----+  PURPOSE    Module update   +-----+-----+  USERS      All users        AFFECTED                   +-----+-----+  KNOWLEDGE  DB2 Administration    REQUIRED                   +-----+-----+  ACCESS     DB2 Bind Authority    REQUIRED                   +-----+-----+ ***** * STEPS   TO   PERFORM * ***** Modules RAQHS2B and RAQHS3B need to be rebound. ).</pre> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11048 Details

| Service | Details  |
|---------|--|
| SO11048 | <p>SO11048 M.C.S. ENTRIES = ++PTF (SO11048)</p> <p>RUNSTATS GENERATED FOR TABLESPACE AND ITS INDEXES SEPERATELY</p> <p>PROBLEM DESCRIPTION:</p> <p>CA RC/Migrator for DB2 for z/OS (RCM) generates RUNSTATS utility statements for the tablespace and its index separately. The RUNSTATS for the index is not needed.</p> <p>SYMPTOMS:</p> <p>The script will include RUNSTATS utility for indexes.</p> <p>IMPACT:</p> <p>The STATS information collected for indexes are not needed since the STATS collected for the tablespace will include the STATS for its table and index.</p> <p>CIRCUMVENTION:</p> <p>Edit the script and remove the RUNSTATS utility for the index.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA RC/Migrator for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:</p> <p>RCM 3037</p> <p>Copyright (C) 2019 CA. All rights reserved. R00637-D200-SP0</p> <p>DESC(RUNSTATS GENERATED FOR TABLESPACE AND ITS INDEXES SEPERATELY).<br/>       ++VER (Z038)<br/>       FMID (CINSK00)<br/>       PRE ( RO97704 SO04718 SO06638 SO07379 SO08957 SO09105 )<br/>       SUP ( ST11048 )</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11052 Details

| Service | Details   |
|---------|---|
| SO11052 | <p>SO11052 M.C.S. ENTRIES = ++PTF (SO11052)</p> <p>DB2 MAY ABEND AFTER PFU SHRLEVEL CHANGE WITH LOB DATA</p> <p>PROBLEM DESCRIPTION:</p> <p>CA Fast Unload for DB2 for z/OS (PFU) may cause a DB2 subsystem to abnormally end with a S04F code when the following conditions are true:</p> <ul style="list-style-type: none"> <li>- SO08585 PTF ("S04E WHEN UNLOADING A LOB COLUMN WITH SHRLEVEL CHANGE") is applied.</li> <li>- SHRLEVEL CHANGE is specified.</li> <li>- There are LOB columns.</li> </ul> <p>SYMPTOMS:</p> <ul style="list-style-type: none"> <li>- PFU abends with the S04E code and 00C90101 reason code.</li> <li>- The following symptom dump in the JESMSG LG DD of the PFU job:</li> </ul> <pre>IEA995I SYMPTOM DUMP OUTPUT 576 SYSTEM COMPLETION CODE=04E REASON CODE=00C90101 TIME=13.03.37 SEQ=47464 CPU=0000 ASID=0043 PSW AT TIME OF ERROR 077C1001 AB8A668A ILC 2 INTC 0D NO ACTIVE MODULE FOUND - PRIMARY NOT EQUAL TO HOME NAME=UNKNOWN DATA AT PSW 2B8A6684 - 5810C01C 0A0DEBE1 D8580024 GR 0: 00000000_00000000 1: 00000000_0404E000 2: 000006FD_3AA80700 3: 0000005D_0000FE4E 4: 00000000_00000000 5: 00000000_00000000 6: 00000000_1C309040 7: 00000000_1EB3D000 8: 00000612_42414D20 9: 000006FD_FFFFFFF7F A: 00000000_00000000 B: 00000000_00000080 C: 00000000_2B8A66C0 D: 000006FD_3AA80080 E: 0000005D_868BB050 F: 00000000_00C90101 END OF SYMPTOM DUMP</pre> <ul style="list-style-type: none"> <li>- The following message in the PTIMSG DD of the PFU job:</li> </ul> <pre>PFU0491E - DISCONN ERROR HAS OCCURRED: SUBSYSTEM = PLAN NAME RETURN CODE = 000000C8 REASON = 00C10204</pre> <ul style="list-style-type: none"> <li>- The DBM1 (database services address space) DB2 started task abends with the S04F code.</li> <li>- The following messages in the JESMSG LG DD of the DBM1 started task:</li> </ul> <pre>DSNV086E *BT11 DB2 ABNORMAL TERMINATION REASON=00F30801 IEF450I BT11DBM1 BT11DBM1 - ABEND=S04F U0000 REASON=00000000 355</pre> <ul style="list-style-type: none"> <li>- The MSTR (system services address space) abends with the S0D6 code and 00000027 reason code.</li> <li>- The following symptom dump in the JESMSG LG DD of the MSTR started task:</li> </ul> <pre>IEA995I SYMPTOM DUMP OUTPUT 778 SYSTEM COMPLETION CODE=0D6 REASON CODE=00000027 TIME=13.03.44 SEQ=47898 CPU=4004 ASID=01C4 PSW AT TIME OF ERROR 077C0000 AB61BCC6 ILC 4 INTC 27 ACTIVE MODULE ADDRESS=00000000_2B615D20 OFFSET=00005FAC NAME=DSNRLLM1 DATA AT PSW 2B61BCC6 - F03058F0 F32CB218 F0005830 AR/GR 0: 000001C4/00000000_00000000 1: 00000000/00000000_7EE2D000 2: 00000000/00000000_00000000 3: 00000000/000001DF_1B263360 4: 00000000/00000000_7EE2DAB4 5: 00000000/D6CBCED2_A2D0CF80 6: 00000000/00000000_1E9E3260 7: 00000000/00000000_00000000 8: 00000000/00AF0070_22D0CB30 9: 00000000/000006FD_1EA9BFD0 A: 00000000/000006FD_7F5F3ED0 B: 00000000/00000000_7EE97A98 C: 00000000/00000000_2B61CCE0 D: 00000000/00000000_7EBD2040 E: 00000000/00000000_00000000 F: 00000007/00000000_0019C302 END OF SYMPTOM DUMP</pre> <p>IMPACT:</p> <p>PFU and DB2 abend.</p> <p>CIRCUMVENTION:</p> <p>Specify SHRLEVEL REFERENCE or SHRLEVEL IGNORE and rerun the job.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Fast Unload for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:</p> <p>PFU 1095</p> <p>Copyright (C) 2019 CA. All rights reserved. R00638-D200-SP0</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11052 Details

| Service | Details  |
|---------|--|
|         | DESC(DB2 MAY ABEND AFTER PFU SHRLEVEL CHANGE WITH LOB DATA).<br>++VER (Z038)<br>FMID (CPFUK00)<br>PRE ( SO00019 SO04460 SO08585 SO10043 )<br>SUP ( AS08585 ST03708 ST11052 ) |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11078 Details

| Service | Details   |
|---------|---|
| SO11078 | <p>SO11078 M.C.S. ENTRIES = ++PTF (SO11078)</p> <p>TEST DATA MANAGER SUPPORT IN RCX</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>CA RC/Extract for DB2 for z/OS (RCX) now supports integration with CA Test Data Manager to provide data masking capabilities capabilities when performing extract functions. A new MAPCSV input field is provided on the Source Definition panel where you can specify the name of the TDM MAPCSV input file (masking rule file) to use for masking data during the extraction process. This file is created using CA Test Data Manager data masking Functions.</p> <p>New RCX parmlib options are also provided: TDM API plan name, TDM API VSAM KSDS file, and TDM API load library.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA RC/Extract for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:</p> <p>RCX 602</p> <p>Copyright (C) 2019 CA. All rights reserved. R00640-D200-SP0</p> <p>DESC(TEST DATA MANAGER SUPPORT IN RCX).</p> <p>++VER (Z038)</p> <p>FMID (CINSK00)</p> <p>PRE ( R096576 R097704 R099553 SO00016 SO00785 SO00978<br/>SO01396 SO01655 SO03959 SO04129 SO04250 SO04455<br/>SO04718 SO04794 SO05011 SO05199 SO06113 SO06497<br/>SO06608 SO06638 SO06863 SO06978 SO07169 SO07379<br/>SO07807 SO07940 SO08434 SO08578 SO08662 SO08804<br/>SO08825 SO08832 SO08847 SO08859 SO08869 SO09022<br/>SO09105 SO09183 SO09205 SO09426 SO09761 SO09785<br/>SO09860 SO09976 SO09999 SO10004 SO10028 SO10041<br/>SO10046 SO10162 SO10173 SO10174 SO10200 SO10417<br/>SO10662 SO10676 SO10712 )</p> <p>SUP ( ST11078 )</p> <p>++IF FMID(CRCXK00) REQ(SO11079 ) .</p> <p>++HOLD (SO11078) SYSTEM FMID(CINSK00)</p> <p>REASON (MSGSKEL) DATE (19343)</p> <p>COMMENT (</p> <pre> +-----+            CA DBM Solutions for DB2 for z/OS Base In          Version 20.0            +-----+  SEQUENCE   After Apply   +-----+  PURPOSE    Relink XMESSAGES   +-----+  USERS         AFFECTED   All CA DB2 Tools Users   +-----+  KNOWLEDGE      REQUIRED   CA DB2 Tools Post Install Customization.   +-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED   2. BIND Authority on DB2 subsystems   +-----+ ***** * STEPS TO PERFORM * ***** XMESSAGE components have changes as part of this maintenance. If you do not customize XMESSAGES, no further action is required. If you do customize XMESSAGES, after maintenance is APPLIED 1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules. Refer to the Post Installation and Customization Guide for details. ). </pre> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11079 Details

| Service | Details  |
|---------|--|
| SO11079 | <p>SO11079 M.C.S. ENTRIES = ++PTF (SO11079)</p> <p>TEST DATA MANAGER SUPPORT IN RCX</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>CA RC/Extract for DB2 for z/OS (RCX) now supports integration with CA Test Data Manager to provide data masking capabilities capabilities when performing extract functions. A new MAPCSV input field is provided on the Source Definition panel where you can specify the name of the TDM MAPCSV input file (masking rule file) to use for masking data during the extraction process. This file is created using CA Test Data Manager data masking Functions.</p> <p>New RCX parmlib options are also provided: TDM API plan name, TDM API VSAM KSDS file, and TDM API load library.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA RC/Extract for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:</p> <p>RCX 602</p> <p>Copyright (C) 2019 CA. All rights reserved. R00640-D200-SP0</p> <p>DESC(TEST DATA MANAGER SUPPORT IN RCX).</p> <p>++VER (Z038)</p> <p>FMID (CRCXK00)</p> <p>PRE ( RO99572 RO99853 SO00027 SO01416 SO04473 SO06131<br/>SO06878 SO07384 SO09110 )</p> <p>SUP ( ST04337 ST05134 ST05452 ST05483 ST05526 ST05822<br/>ST05846 ST08868 ST08983 ST09012 ST11079 )</p> <p>++IF FMID(CINSK00) REQ(SO11078 ) .</p> <p>++HOLD (SO11079) SYSTEM FMID(CRCXK00)</p> <p>REASON (DB2BIND) DATE (19343)</p> <p>COMMENT (</p> <pre> +-----+        CA RC/Extract for DB2 for z/OS             Version 20.0        +-----+-----+  SEQUENCE   After Apply   +-----+-----+  PURPOSE    Bind Plans and Packages   +-----+-----+  USERS         AFFECTED   All Users   +-----+-----+  KNOWLEDGE      REQUIRED   CA DB2 Tools Post Install Customization   +-----+-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED   2. BIND, SYSADM or SYSCNTL on DB2 subsystem.   +-----+-----+ ***** * STEPS TO PERFORM * ***** Bind Control Cards have changed as part of this maintenances. After this maintenance is applied, Bind Control cards must be regenerated for all installed product plans and packages. Refer to the Installing documentation for the CA Database Management Solutions for DB2 for z/OS on docops.ca.com for more information about performing the task in the following step. 1. Using the newly generated Bind Control Cards, a Bind Replace must be performed on the plans and packages for all installed products. IMPORTANT! If CA SYSVIEW for DB2 is installed and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors. </pre> <p>-----+<br/>  CA RC/Extract for DB2 for z/OS   Version 20.0  </p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11079 Details

| Service  | Details  |
|--|--|
| SEQUENCE   | After Apply  |
| PURPOSE  | Bind Plans and Packages                                      |
| USERS  |  |
| AFFECTED   | All Users  |
| KNOWLEDGE  |  |
| REQUIRED   | CA DB2 Tools Post Install Customization.                     |
| ACCESS   | 1. CA DB2 Tools Post Install                                 |
| REQUIRED   | 2. BIND, SYSADM or SYSCNTL on DB2 subsystem.                 |
| <p>*****<br/>* STEPS TO PERFORM *<br/>*****</p>  |  |
| <p>DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the CA Database Management Solutions for DB2 for z/OS on docops.ca.com for more information about performing the task in the following step.<br/>1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT!<br/>If CA SYSVIEW for DB2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.<br/>)<br/>++HOLD (SO11079) SYSTEM FMID(CRCXK00)<br/>REASON (ENH ) DATE (19343)<br/>COMMENT (</p> |  |
| <p>-----<br/>  CA RC/Extract for DB2 for z/OS   Version 20.0  <br/>-----</p>   |  |
| SEQUENCE   | Before using the CA TEST DATA MANAGER DATA MASKING function. |
| PURPOSE  | Specify the following options in the RCX parmlib member      |
|  | to enable data masking in CA RC/Extract using input from     |
|  | from CA Test Data Manager:                                   |
|  | - TDM API plan name.   |
|  | - TDM API VSAM message KSDS file.                            |
|  | - TDM API load library.                                      |
| USERS  | Users who extract masked data in CA RC/Extract using an      |
| AFFECTED   | input file from CA Test Data Manager.                        |
| KNOWLEDGE  | Familiarity with the post-install tailoring panels is        |
| REQUIRED   | recommended to update the RCX parmlib member.                |
| ACCESS   | Authority to update CDBAPARM parmlib member RCX.             |
| REQUIRED   |  |
| <p>-----<br/>* STEPS TO PERFORM *<br/>-----</p>  |  |
| <p>Complete the following steps:<br/>1. Specify 1 (Setup) on the Post-Install Tailoring panel.<br/>2. Specify 3 (Products) on the Parameter Setup Menu.<br/>3. Type S next to the PTISYS parmlib member you want to update.<br/>4. Select RCX on the Edit Parmlib Members panel.</p>   |  |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11079 Details

| Service | Details  |
|---------|--|
|         | <p>5. Specify values for the TDM options and save your changes.<br/>           6. Repeat steps 3 through 5 for each PTISYS member you are updating.<br/>           You can also use the EP (Edit Parmlib Members) option on the CA Database Management Solutions for DB2 for z/OS products main menu to edit the RCX parmliib member.<br/>           ).<br/>           ++HOLD (SO11079) SYSTEM FMID(CRCXK00)<br/>           REASON (MSGSKEL) DATE (19343)<br/>           COMMENT (<br/>           +-----+<br/>             CA RC/Extract for DB2 for z/OS Version 20.0  <br/>           +-----+<br/>            SEQUENCE   After Apply  <br/>           +-----+<br/>            PURPOSE   Relink XMESSAGES  <br/>           +-----+<br/>            USERS    <br/>            AFFECTED   All CA DB2 Tools Users  <br/>           +-----+<br/>            KNOWLEDGE    <br/>            REQUIRED   CA DB2 Tools Post Install Customization.  <br/>           +-----+<br/>            ACCESS   1. CA DB2 Tools Post Install  <br/>            REQUIRED   2. BIND Authority on DB2 subsystems  <br/>           +-----+<br/>           *****<br/>           * STEPS TO PERFORM *<br/>           *****<br/>           XMESSAGE components have changes as part of this maintenance.<br/>           If you do not customize XMESSAGES, no further action is required.<br/>           If you do customize XMESSAGES, after maintenance is APPLIED<br/>           1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules.<br/>           Refer to the Post Installation and Customization Guide for details.<br/>           ).</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11080 Details

| Service | Details   |
|---------|---|
| SO11080 | <p>SO11080 M.C.S. ENTRIES = ++PTF (SO11080)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> <li>1. DSN1990I DSN1CPG RECEIVED FOR BROKEN TABLESPACE PAGE(S)</li> <li>2. PRR0024E - MMGR PUTSEQ FAILED DURING RELOAD PHASE OF PBG</li> <li>3. S04E WHEN EXECUTING CHECK INDEX UTILITY AFTER REORG</li> </ol> <p>=====</p> <p>DSN1990I DSN1CPG RECEIVED FOR BROKEN TABLESPACE PAGE(S)</p> <p>PROBLEM DESCRIPTION:</p> <p>CA Rapid Reorg for DB2 for z/OS (PRR) can create an inconsistent data page during TABLESPACE REORG when all the following conditions are met:</p> <ul style="list-style-type: none"> <li>- The data row in the tablespace is less than 10 bytes in length</li> <li>- DATA-AVAILABLE CRITICAL is specified</li> <li>- The Db2 version is V11</li> </ul> <p>SYMPTOMS:</p> <p>The following messages are received:</p> <p>DSN1 OUTPUT: DSN1990I DSN1CPGD BROKEN PAGE. REASON: RECORD ID INVALID</p> <p>DB2 MASTER OUTPUT:</p> <p>DSNI011I PAGE TEMPORARILY UNAVAILABLE<br/>TYPE 00000302</p> <p>DSNI012I PAGE LOGICALLY BROKEN<br/>TYPE 00000302</p> <p>IMPACT:</p> <p>Tablespaces with data rows less than 10 bytes in length can be corrupted.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Rapid Reorg for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:</p> <p>PRR 1357</p> <p>=====</p> <p>PRR0024E - MMGR PUTSEQ FAILED DURING RELOAD PHASE OF PBG</p> <p>PROBLEM DESCRIPTION:</p> <p>CA Rapid Reorg for DB2 for z/OS (PRR) fails during the reload phase of a reorg on a Partition-By-Growth (PBG) tablespace when RECLUSTER NO is specified.</p> <p>The error can occur when the following conditions are met:</p> <ol style="list-style-type: none"> <li>1) The tablespace is PBG and has more than one partition</li> <li>2) RECLUSTER NO option is in effect.</li> </ol> <p>SYMPTOMS:</p> <p>The reorg ends with RC=12 and the following error message is issued:</p> <p>PRR0024E - MMGR PUTSEQ routine failed</p> <p>TCB: &amp;&amp;TCB Return Code: 00000054 Reason Code: 00000064</p> <p>IMPACT:</p> <p>The REORG fails and the data that was being processed for the first partition of PBG is lost.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Rapid Reorg for DB2 for z/OS <span style="float: right;">Version 19.0</span></p> <p>CA Rapid Reorg for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:</p> <p>PRR 1359</p> <p>=====</p> <p>S04E WHEN EXECUTING CHECK INDEX UTILITY AFTER REORG</p> <p>PROBLEM DESCRIPTION:</p> <p>CA Rapid Reorg for DB2 for z/OS (PRR) may cause a broken spacemap page. The IBM Check Index Utility may fail with abend code S04E and reason code X'00C90101'.</p> <p>The problem is likely to happen when there is only one spacemap in each DB2 tablespace VSAM dataset.</p> <p>SYMPTOMS:</p> <p>The PRR job completes with RC=4 but the subsequent IBM Check Index utility ends with abend code S04E and the following message is received:</p> <p>DSNUGSAT - UTILITY DATA BASE SERVICES MEMORY EXECUTION ABENDED,<br/>REASON=X'00C90101'</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11080 Details

| Service | Details  |
|---------|--|
|         | <p>IMPACT:<br/>           Data corruption may occur because of incorrect spacemap values.<br/>           CIRCUMVENTION:<br/>           None.<br/>           PRODUCT(S) AFFECTED:<br/>           CA Rapid Reorg for DB2 for z/OS Version 19.0<br/>           CA Rapid Reorg for DB2 for z/OS Version 20.0<br/>           Related Problem:<br/>           PRR 1364<br/>           Copyright (C) 2019 CA. All rights reserved. R00641-D200-SP0</p> <p>DESC(DSN1990I DSN1CPG RECEIVED FOR BROKEN TABLESPACE PAGE(S)).<br/>           ++VER (Z038)<br/>           FMID (CPRRK00)<br/>           PRE ( R096588 R097715 R098968 SO00023 SO00846 SO01658<br/>           SO05015 SO06125 SO06582 SO06609 SO07818 SO09026<br/>           SO09089 SO09599 SO09905 SO09954 )<br/>           SUP ( EC06581 ST10378 ST10966 ST11058 ST11080 )<br/>           ++HOLD (SO11080) SYSTEM FMID(CPRRK00)<br/>           REASON (MSGSKEL) DATE (19336)<br/>           COMMENT (</p> <pre> +-----+        CA Rapid Reorg for DB2 for z/OS      Version 20.0        +-----+  SEQUENCE   After Apply   +-----+  PURPOSE    Relink XMESSAGES   +-----+  USERS         AFFECTED   All CA DB2 Tools Users   +-----+  KNOWLEDGE      REQUIRED   CA DB2 Tools Post Install Customization.   +-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED   2. BIND Authority on DB2 subsystems   +-----+ ***** * STEPS TO PERFORM * *****           XMESSAGE components have changes as part of this maintenance.           If you do not customize XMESSAGES, no further action is required.           If you do customize XMESSAGES, after maintenance is APPLIED           1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules.           Refer to the Post Installation and Customization Guide for details.           ). </pre> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11083 Details

| Service | Details  |
|---------|--|
| SO11083 | <p>SO11083 M.C.S. ENTRIES = ++PTF (SO11083)</p> <p>REARCHITECTURE OF THE INDEX REBUILD<br/>           ENHANCEMENT DESCRIPTION:<br/>           CA Fast Recover for DB2 for z/OS (PFR), the code for the REBUILD INDEX<br/>           command has been redesigned to make the product easier to maintain.<br/>           PRODUCT(S) AFFECTED:<br/>           CA DBM Solutions for DB2 for z/OS Utility General Recovery Version 20.0<br/>           Related Problem:<br/>           PFR 1047<br/>           Copyright (C) 2019 CA. All rights reserved. R00644-D200-SP0</p> <p>DESC(REARCHITECTURE OF THE INDEX REBUILD).<br/>           ++VER (Z038)<br/>           FMID (CUGRK00)<br/>           PRE ( R096595 R097722 R099574 SO00029 SO00788 SO01418<br/>           SO01660 SO03677 SO04251 SO04475 SO04799 SO05018<br/>           SO06132 SO06879 SO07173 SO07826 SO07905 SO08280<br/>           SO08466 SO08833 SO08841 SO09028 SO09742 SO09748<br/>           SO09766 SO09867 SO09903 SO09974 SO10044 SO10165<br/>           SO10201 SO10553 SO10818 SO10819 SO11239 )<br/>           SUP ( ST10963 ST11083 )<br/>           ++IF FMID(CINSK00) REQ(SO11084 ) .<br/>           ++IF FMID(CPUTK00) REQ(SO11085 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11084 Details

| Service | Details  |
|---------|--|
| SO11084 | <p>SO11084 M.C.S. ENTRIES = ++PTF (SO11084)</p> <p>REARCHITECTURE OF THE INDEX REBUILD<br/> ENHANCEMENT DESCRIPTION:<br/> CA Fast Recover for DB2 for z/OS (PFR), the code for the REBUILD INDEX<br/> command has been redesigned to make the product easier to maintain.<br/> PRODUCT(S) AFFECTED:<br/> CA DBM Solutions for DB2 for z/OS Utility General Recovery Version 20.0<br/> Related Problem:<br/> PFR 1047<br/> Copyright (C) 2019 CA. All rights reserved. R00644-D200-SP0</p> <p>DESC(REARCHITECTURE OF THE INDEX REBUILD).<br/> ++VER (Z038)<br/> FMID (CINSK00)<br/> PRE ( R096576 R097704 R099553 SO00016 SO00785 SO00978<br/> SO01396 SO01655 SO03959 SO04129 SO04250 SO04455<br/> SO04718 SO04794 SO05011 SO05199 SO06113 SO06497<br/> SO06608 SO06638 SO06863 SO06978 SO07169 SO07379<br/> SO07807 SO07940 SO08434 SO08662 SO08804 SO08825<br/> SO08832 SO08847 SO08859 SO08869 SO09022 SO09105<br/> SO09183 SO09205 SO09426 SO09761 SO09785 SO09860<br/> SO09976 SO09999 SO10004 SO10041 SO10046 SO10162<br/> SO10173 SO10174 SO10200 SO10417 SO10662 SO10676<br/> SO10712 SO10907 SO11078 SO11112 SO11221 SO11234 )<br/> SUP ( ST10964 ST11084 )<br/> ++IF FMID(CPUTK00) REQ(SO11085 ) .<br/> ++IF FMID(CUGRK00) REQ(SO11083 ) .</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11085 Details

| Service | Details  |
|---------|--|
| SO11085 | <p>SO11085 M.C.S. ENTRIES = ++PTF (SO11085)</p> <p>REARCHITECTURE OF THE INDEX REBUILD<br/>           ENHANCEMENT DESCRIPTION:<br/>           CA Fast Recover for DB2 for z/OS (PFR), the code for the REBUILD INDEX<br/>           command has been redesigned to make the product easier to maintain.<br/>           PRODUCT(S) AFFECTED:<br/>           CA DBM Solutions for DB2 for z/OS Utility General Recovery Version 20.0<br/>           Related Problem:<br/>           PFR 1047<br/>           Copyright (C) 2019 CA. All rights reserved. R00644-D200-SP0</p> <p>DESC(REARCHITECTURE OF THE INDEX REBUILD).<br/>           ++VER (Z038)<br/>           FMID (CPUTK00)<br/>           PRE ( R096590 R097717 R098969 R099566 SO00024 SO00787<br/>           SO01411 SO01659 SO04469 SO04798 SO05016 SO06127<br/>           SO06610 SO06874 SO07172 SO07820 SO07894 SO08072<br/>           SO08429 SO08586 SO08732 SO08803 SO08861 SO08871<br/>           SO09027 SO09253 SO09672 SO09765 SO09902 SO09978<br/>           SO10038 SO10678 SO11110 SO11114 SO11238 )<br/>           SUP ( SO10495 ST06289 ST10495 ST10965 ST11085 )<br/>           ++IF FMID(CINSK00) REQ(SO11084 ) .<br/>           ++IF FMID(CUGRK00) REQ(SO11083 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11105 Details

| Service | Details  |
|---------|--|
| SO11105 | <p>SO11105 M.C.S. ENTRIES = ++PTF (SO11105)</p> <p>COPYING A TABLE FAILS WITH ERROR IN BATCH MODE</p> <p>PROBLEM DESCRIPTION:<br/>In CA RC/Update for DB2 for z/OS (RCU), the copy function does not work in batch mode and fails with an error.</p> <p>SYMPTOMS:<br/>Copying a table fails with the following error.<br/>RU564E: Error connecting totarget DB2. PF1 for help</p> <p>IMPACT:<br/>Copy function cannot be done in batch mode.</p> <p>CIRCUMVENTION:<br/>Use online mode to copy a table.</p> <p>PRODUCT(S) AFFECTED:<br/>CA RC/Update for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>RCU 1094</p> <p>Copyright (C) 2019 CA. All rights reserved. R00647-D200-SP0</p> <p>DESC(COPYING A TABLE FAILS WITH ERROR IN BATCH MODE).<br/>++VER (Z038)<br/>FMID (CRCUK00)<br/>PRE ( SO07824 )<br/>SUP ( ST11105 )</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11107 Details

| Service | Details   |
|---------|---|
| SO11107 | <p>SO11107 M.C.S. ENTRIES = ++PTF (SO11107)</p> <p>INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>CA Database Management Solutions for DB2 for z/OS Utilities Common (PUT) has been modified to support Db2 12 function and catalog levels up to V12R1M505.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Fast Unload for DB2 for z/OS Version 20.0</p> <p>CA Fast Load for DB2 for z/OS Version 20.0</p> <p>CA Fast Index for DB2 for z/OS Version 20.0</p> <p>CA Rapid Reorg for DB2 for z/OS Version 20.0</p> <p>Related Problem:</p> <p>PUT 808</p> <p>Copyright (C) 2019 CA. All rights reserved. R00648-D200-SP0</p> <p>DESC(INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES).</p> <p>++VER (Z038)</p> <p>FMID (CPFLK00)</p> <p>PRE ( RO96581 RO97708 RO99557 SO00018 SO00704 SO01401<br/>         SO01656 SO04459 SO04857 SO05012 SO05502 SO06117<br/>         SO06866 SO07170 SO07811 SO08071 SO08428 SO09024<br/>         SO09900 SO09977 )</p> <p>SUP ( ST11056 ST11107 )</p> <p>++IF FMID(CPFUK00) REQ(SO11108 ) .</p> <p>++IF FMID(CPRRK00) REQ(SO11109 ) .</p> <p>++IF FMID(CPUTK00) REQ(SO11110 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11108 Details

| Service | Details   |
|---------|---|
| SO11108 | <p>M.C.S. ENTRIES = ++PTF (SO11108)</p> <p>INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES<br/>           ENHANCEMENT DESCRIPTION:<br/>           CA Database Management Solutions for DB2 for z/OS Utilities Common (PUT) has been modified to support Db2 12 function and catalog levels up to V12R1M505.<br/>           PRODUCT(S) AFFECTED:<br/>           CA Fast Unload for DB2 for z/OS Version 20.0<br/>           CA Fast Load for DB2 for z/OS Version 20.0<br/>           CA Fast Index for DB2 for z/OS Version 20.0<br/>           CA Rapid Reorg for DB2 for z/OS Version 20.0<br/>           Related Problem:<br/>           PUT 808<br/>           Copyright (C) 2019 CA. All rights reserved. R00648-D200-SP0</p> <p>DESC(INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES).<br/>           ++VER (Z038)<br/>           FMID (CPFUK00)<br/>           PRE ( RO96582 RO99558 SO00019 SO01402 SO01657 SO01818<br/>           SO04460 SO05013 SO05503 SO06118 SO06867 SO07171<br/>           SO07381 SO07812 SO08068 SO08112 SO08352 SO08860<br/>           SO09025 SO09107 SO09764 SO10043 SO10107 SO10175<br/>           SO10626 )<br/>           SUP ( ST11057 ST11108 )<br/>           ++IF FMID(CPRRK00) REQ(SO11109 ) .<br/>           ++IF FMID(CPUTK00) REQ(SO11110 ) .<br/>           ++IF FMID(CPFLK00) REQ(SO11107 ) .<br/>           ++HOLD (SO11108) SYSTEM FMID(CPFUK00)<br/>           REASON (MSGSKEL) DATE (19339)<br/>           COMMENT (</p> <pre> +-----+            CA Fast Unload for DB2 for z/OS          Version 20.0            +-----+  SEQUENCE   After Apply   +-----+  PURPOSE    Relink XMESSAGES   +-----+  USERS         AFFECTED   All CA DB2 Tools Users   +-----+  KNOWLEDGE      REQUIRED    CA DB2 Tools Post Install Customization.   +-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED    2. BIND Authority on DB2 subsystems   +-----+ ***** * STEPS    TO    PERFORM * *****           XMESSAGE components have changes as part of this maintenance.           If you do not customize XMESSAGES, no further action is required.           If you do customize XMESSAGES, after maintenance is APPLIED           1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules.           Refer to the Post Installation and Customization Guide for details.           ). </pre> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11109 Details

| Service | Details   |
|---------|---|
| SO11109 | <p>SO11109 M.C.S. ENTRIES = ++PTF (SO11109)</p> <p>INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>CA Database Management Solutions for DB2 for z/OS Utilities Common (PUT) has been modified to support Db2 12 function and catalog levels up to V12R1M505.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Fast Unload for DB2 for z/OS Version 20.0</p> <p>CA Fast Load for DB2 for z/OS Version 20.0</p> <p>CA Fast Index for DB2 for z/OS Version 20.0</p> <p>CA Rapid Reorg for DB2 for z/OS Version 20.0</p> <p>Related Problem:</p> <p>PUT 808</p> <p>Copyright (C) 2019 CA. All rights reserved. R00648-D200-SP0</p> <p>DESC(INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES).</p> <p>++VER (Z038)</p> <p>FMID (CPRRK00)</p> <p>PRE ( RO96588 RO97715 RO98968 SO00023 SO00786 SO01409</p> <p>SO01658 SO04467 SO04797 SO05015 SO06125 SO06582</p> <p>SO06609 SO07818 SO07893 SO09026 SO09089 SO09599</p> <p>SO09901 SO09905 SO10007 SO11080 )</p> <p>SUP ( ST11058 ST11109 )</p> <p>++IF FMID(CPFUK00) REQ(SO11108 ) .</p> <p>++IF FMID(CPUTK00) REQ(SO11110 ) .</p> <p>++IF FMID(CPFLK00) REQ(SO11107 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11110 Details

| Service                         | Details   |                                 |              |                               |              |                                |              |                                 |              |
|---------------------------------|---|---------------------------------|--------------|-------------------------------|--------------|--------------------------------|--------------|---------------------------------|--------------|
| SO11110                         | <p>M.C.S. ENTRIES = ++PTF (SO11110)</p> <p>INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>CA Database Management Solutions for DB2 for z/OS Utilities Common (PUT) has been modified to support Db2 12 function and catalog levels up to V12R1M505.</p> <p>PRODUCT(S) AFFECTED:</p> <table border="0"> <tr> <td>CA Fast Unload for DB2 for z/OS</td> <td>Version 20.0</td> </tr> <tr> <td>CA Fast Load for DB2 for z/OS</td> <td>Version 20.0</td> </tr> <tr> <td>CA Fast Index for DB2 for z/OS</td> <td>Version 20.0</td> </tr> <tr> <td>CA Rapid Reorg for DB2 for z/OS</td> <td>Version 20.0</td> </tr> </table> <p>Related Problem:<br/>PUT 808</p> <p>Copyright (C) 2019 CA. All rights reserved. R00648-D200-SP0</p> <p>DESC(INCREASE SUPPORTED DB2 12 LEVELS IN UTILITIES).<br/>++VER (Z038)<br/>FMID (CPUTK00)<br/>PRE ( RO96590 RO97717 RO98969 RO99566 SO00024 SO00787<br/>SO01411 SO01659 SO04469 SO04798 SO05016 SO06127<br/>SO06610 SO06874 SO07172 SO07820 SO07894 SO08072<br/>SO08429 SO08732 SO08803 SO08861 SO08871 SO09027<br/>SO09253 SO09765 SO09902 SO09978 SO10038 SO10678 )<br/>SUP ( ST11059 ST11110 )<br/>++IF FMID(CPFUK00) REQ(SO11108 ) .<br/>++IF FMID(CPRRK00) REQ(SO11109 ) .<br/>++IF FMID(CPFLK00) REQ(SO11107 ) .<br/>++HOLD (SO11110) SYSTEM FMID(CPUTK00)<br/>REASON (MSGSKEL) DATE (19339)<br/>COMMENT (</p> <pre> +-----+        CA DBM Solutions for DB2 for z/OS Utilities Common               Version 20.0   +-----+-----+   SEQUENCE   After Apply   +-----+-----+   PURPOSE    Relink XMESSAGES   +-----+-----+   USERS  AFFECTED   All CA DB2 Tools Users                                     +-----+-----+   KNOWLEDGE   REQUIRED     CA DB2 Tools Post Install Customization.                   +-----+-----+   ACCESS     1. CA DB2 Tools Post Install                                 REQUIRED     2. BIND Authority on DB2 subsystems                         +-----+-----+ ***** * STEPS    TO    PERFORM * ***** XMESSAGE components have changes as part of this maintenance. If you do not customize XMESSAGES, no further action is required. If you do customize XMESSAGES, after maintenance is APPLIED 1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules. Refer to the Post Installation and Customization Guide for details. ). </pre> | CA Fast Unload for DB2 for z/OS | Version 20.0 | CA Fast Load for DB2 for z/OS | Version 20.0 | CA Fast Index for DB2 for z/OS | Version 20.0 | CA Rapid Reorg for DB2 for z/OS | Version 20.0 |
| CA Fast Unload for DB2 for z/OS | Version 20.0  |                                 |              |                               |              |                                |              |                                 |              |
| CA Fast Load for DB2 for z/OS   | Version 20.0  |                                 |              |                               |              |                                |              |                                 |              |
| CA Fast Index for DB2 for z/OS  | Version 20.0  |                                 |              |                               |              |                                |              |                                 |              |
| CA Rapid Reorg for DB2 for z/OS | Version 20.0  |                                 |              |                               |              |                                |              |                                 |              |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11112 Details

| Service | Details   |
|---------|---|
| SO11112 | <p>SO11112 M.C.S. ENTRIES = ++PTF (SO11112)</p> <p>INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR<br/>           ENHANCEMENT DESCRIPTION:<br/>           In CA Log Analyzer for DB2 for z/OS (PLA), the Automated Dropped Object Recovery feature has been enhanced to recover data from the following:<br/>           1) Incremental image copies<br/>           2) FlashCopy image copies</p> <p>The enhancement also streamlines the feature by removing these miscellaneous panel options: Utilities Vendor, Rebuild Indexes, Temp. Data Sets Prefix and Delete Temp. Data Sets.</p> <p>PRODUCT(S) AFFECTED:<br/>           CA Log Analyzer for DB2 for z/OS <span style="float: right;">Release 20.0</span></p> <p>Related Problem:<br/>           PLA 1286</p> <p>Copyright (C) 2019 CA. All rights reserved. R00649-D200-SP0</p> <p>DESC(INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR).<br/>           ++VER (Z038)<br/>           FMID (CINSK00)<br/>           PRE ( RO96576 RO97704 RO99553 SO00016 SO00785 SO00978<br/>           SO01396 SO01655 SO03959 SO04129 SO04455 SO04718<br/>           SO04794 SO05011 SO05199 SO06113 SO06497 SO06608<br/>           SO06638 SO06863 SO06978 SO07169 SO07379 SO07807<br/>           SO07940 SO08434 SO08662 SO08804 SO08825 SO08832<br/>           SO08847 SO08859 SO08869 SO09022 SO09105 SO09205<br/>           SO09426 SO09761 SO09785 SO09860 SO09976 SO09999<br/>           SO10041 SO10046 SO10162 SO10173 SO10174 SO10200<br/>           SO10417 SO10662 SO10676 SO10712 SO10907 SO11078<br/>           SO11221 )<br/>           SUP ( ST11112 )<br/>           ++IF FMID(CPLAK00) REQ(SO11113 ) .<br/>           ++IF FMID(CPUTK00) REQ(SO11114 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11113 Details

| Service | Details   |
|---------|---|
| SO11113 | <p>SO11113 M.C.S. ENTRIES = ++PTF (SO11113)</p> <p>INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR<br/>ENHANCEMENT DESCRIPTION:<br/>In CA Log Analyzer for DB2 for z/OS (PLA), the Automated Dropped Object Recovery feature has been enhanced to recover data from the following:<br/>1) Incremental image copies<br/>2) FlashCopy image copies<br/>The enhancement also streamlines the feature by removing these miscellaneous panel options: Utilities Vendor, Rebuild Indexes, Temp. Data Sets Prefix and Delete Temp. Data Sets.<br/>PRODUCT(S) AFFECTED:<br/>CA Log Analyzer for DB2 for z/OS Release 20.0<br/>Related Problem:<br/>PLA 1286<br/>Copyright (C) 2019 CA. All rights reserved. R00649-D200-SP0</p> <p>DESC(INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR).<br/>++VER (Z038)<br/>FMID (CPLAK00)<br/>PRE ( R096583 R097709 R099559 SO00020 SO00975 SO01403<br/>SO04245 SO04461 SO04795 SO05014 SO06119 SO06868<br/>SO07382 SO07813 SO08008 SO08802 SO08870 SO09083<br/>SO09108 SO09133 SO09252 SO09333 SO10390 SO10641<br/>SO10677 )<br/>SUP ( ST11113 )<br/>++IF FMID(CPUTK00) REQ(SO11114 ) .<br/>++IF FMID(CINSK00) REQ(SO11112 ) .<br/>++HOLD (SO11113) SYSTEM FMID(CPLAK00)<br/>REASON (DB2BIND) DATE (19346)<br/>COMMENT (</p> <pre> +-----+        CA Log Analyzer for DB2 for z/OS      Version 20.0        +-----+  SEQUENCE   After Apply   +-----+  PURPOSE    Bind Plans and Packages   +-----+  USERS         AFFECTED   All Users   +-----+  KNOWLEDGE      REQUIRED   CA DB2 Tools Post Install Customization.   +-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED   2. BIND, SYSADM or SYSCNTL on DB2 subsystem.   +-----+ ***** * STEPS TO PERFORM * ***** </pre> <p>DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the CA Database Management Solutions for DB2 for z/OS on docops.ca.com for more information about performing the task in the following step.<br/>1. Use Post-Install Tailoring option to Bind Product Packages and Plans.<br/>IMPORTANT!<br/>If CA SYSVIEW for DB2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.<br/>).</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11114 Details

| Service | Details   |
|---------|---|
| SO11114 | <p>SO11114 M.C.S. ENTRIES = ++PTF (SO11114)</p> <p>INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR<br/>           ENHANCEMENT DESCRIPTION:<br/>           In CA Log Analyzer for DB2 for z/OS (PLA), the Automated Dropped Object Recovery feature has been enhanced to recover data from the following:</p> <ol style="list-style-type: none"> <li>1) Incremental image copies</li> <li>2) FlashCopy image copies</li> </ol> <p>The enhancement also streamlines the feature by removing these miscellaneous panel options: Utilities Vendor, Rebuild Indexes, Temp. Data Sets Prefix and Delete Temp. Data Sets.</p> <p>PRODUCT(S) AFFECTED:<br/>           CA Log Analyzer for DB2 for z/OS <span style="float: right;">Release 20.0</span></p> <p>Related Problem:<br/>           PLA 1286</p> <p>Copyright (C) 2019 CA. All rights reserved. R00649-D200-SP0</p> <p>DESC(INCREMENTAL AND FLASHCOPY IMAGE COPIES SUPPORT IN ADOR).<br/>           ++VER (Z038)<br/>           FMID (CPUTK00)<br/>           PRE ( R096590 R097717 R099566 SO00024 SO00787 SO01411<br/>           SO01659 SO04248 SO04469 SO04798 SO05016 SO06127<br/>           SO06610 SO06874 SO07172 SO07820 SO07894 SO08072<br/>           SO08429 SO08732 SO08803 SO08861 SO08871 SO09027<br/>           SO09765 SO09902 SO09978 SO10038 SO10678 SO11110 )<br/>           SUP ( ST11114 )<br/>           ++IF FMID(CPLAK00) REQ(SO11113 ) .<br/>           ++IF FMID(CINSK00) REQ(SO11112 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11129 Details

| Service | Details   |
|---------|---|
| SO11129 | <p>SO11129 M.C.S. ENTRIES = ++PTF (SO11129)</p> <p>V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT<br/>ENHANCEMENT DESCRIPTION:<br/>CA Plan Analyzer for DB2 for z/OS (PPA) has implemented Db2 12 FL505 REBIND phase-in package copy support in catalog reporting. The following reports can display phased-out package copies: package list, package detail, package utilities, identify problem package, package bind parameters, package rebind parameters, package dependency, and object reporting.<br/>PRODUCT(S) AFFECTED:<br/>CA Plan Analyzer for DB2 for z/OS <span style="float: right;">Version 20.0</span><br/>Related Problem:<br/>PPADB2 1016<br/>Copyright (C) 2019 CA. All rights reserved. R00650-D200-SP0</p> <p>DESC(V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT).<br/>++VER (Z038)<br/>FMID (CINSK00)<br/>PRE ( R096576 R097704 R099553 S000016 S000785 S000978<br/>S001396 S001655 S003959 S004129 S004455 S004718<br/>S004794 S005011 S005199 S006113 S006497 S006608<br/>S006638 S006863 S006978 S007169 S007379 S007807<br/>S007940 S008434 S008578 S008662 S008804 S008825<br/>S008832 S008847 S008859 S008869 S009022 S009105<br/>S009205 S009426 S009761 S009785 S009860 S009976<br/>S009999 S010041 S010046 S010162 S010173 S010174<br/>S010200 S010417 S010662 S010676 S010712 S010907<br/>S011078 S011084 S011112 S011221 S011234 )<br/>SUP ( ST11129 )<br/>++IF FMID(CPBAK00) REQ(SO11130 ) .<br/>++IF FMID(CPPAK00) REQ(SO11131 ) .<br/>++HOLD (SO11129) SYSTEM FMID(CINSK00)<br/>REASON (DB2BIND) DATE (19353)<br/>COMMENT (</p> <pre> +-----+        CA DBM Solutions for DB2 for z/OS Base In      Version 20.0        +-----+  SEQUENCE   After Apply   +-----+  PURPOSE    Bind Plans and Packages   +-----+  USERS         AFFECTED   All Users   +-----+  KNOWLEDGE      REQUIRED   CA DB2 Tools Post Install Customization   +-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED   2. BIND, SYSADM or SYSCNTL on DB2 subsystem.   +-----+ ***** * STEPS TO PERFORM * ***** </pre> <p>Bind Control Cards have changed as part of this maintenances. After this maintenance is applied, Bind Control cards must be regenerated for all installed product plans and packages.<br/>Refer to the Installing documentation for the CA Database Management Solutions for DB2 for z/OS on docops.ca.com for more information about performing the task in the following step.<br/>1. Using the newly generated Bind Control Cards, a Bind Replace must be performed on the plans and packages for all installed products.<br/>IMPORTANT!<br/>If CA SYSVIEW for DB2 is installed and the IFI-PLAN operational</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11129 Details

| Service | Details  |
|---------|--|
|         | parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.  |
|         | +-----+<br>  CA DBM Solutions for DB2 for z/OS Base In Version 20.0  <br>+-----+<br> SEQUENCE   After Apply  <br>+-----+<br> PURPOSE   Bind Plans and Packages  <br>+-----+<br> USERS    <br> AFFECTED   All Users  <br>+-----+<br> KNOWLEDGE    <br> REQUIRED   CA DB2 Tools Post Install Customization.  <br>+-----+<br> ACCESS   1. CA DB2 Tools Post Install  <br> REQUIRED   2. BIND, SYSADM or SYSCNTL on DB2 subsystem.  <br>+-----+  |
|         | *****<br>* STEPS TO PERFORM *<br>*****<br>DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the CA Database Management Solutions for DB2 for z/OS on docops.ca.com for more information about performing the task in the following step.<br>1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT!<br>If CA SYSVIEW for DB2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.<br>). |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11130 Details

| Service | Details  |
|---------|--|
| SO11130 | <p>SO11130 M.C.S. ENTRIES = ++PTF (SO11130)</p> <p>V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>CA Plan Analyzer for DB2 for z/OS (PPA) has implemented Db2 12 FL505 REBIND phase-in package copy support in catalog reporting. The following reports can display phased-out package copies: package list, package detail, package utilities, identify problem package, package bind parameters, package rebind parameters, package dependency, and object reporting.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Plan Analyzer for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:</p> <p>PPADB2 1016</p> <p>Copyright (C) 2019 CA. All rights reserved. R00650-D200-SP0</p> <p>DESC(V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT).</p> <p>++VER (Z038)</p> <p>FMID (CPBAK00)</p> <p>PRE ( R096578 SO01398 SO08450 SO09786 SO10277 SO10713 )</p> <p>SUP ( ST10707 ST11130 )</p> <p>++IF FMID(CPPAK00) REQ(SO11131 ) .</p> <p>++IF FMID(CINSK00) REQ(SO11129 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11131 Details

| Service | Details   |
|---------|---|
| SO11131 | <p>SO11131 M.C.S. ENTRIES = ++PTF (SO11131)</p> <p>V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT<br/> ENHANCEMENT DESCRIPTION:<br/> CA Plan Analyzer for DB2 for z/OS (PPA) has implemented Db2 12 FL505 REBIND phase-in package copy support in catalog reporting. The following reports can display phased-out package copies: package list, package detail, package utilities, identify problem package, package bind parameters, package rebind parameters, package dependency, and object reporting.<br/> PRODUCT(S) AFFECTED:<br/> CA Plan Analyzer for DB2 for z/OS Version 20.0<br/> Related Problem:<br/> PPADB2 1016<br/> Copyright (C) 2019 CA. All rights reserved. R00650-D200-SP0</p> <p>DESC(V12R1M505 REBIND PHASE-IN PACKAGE COPY SUPPORT).<br/> ++VER (Z038)<br/> FMID (CPPAK00)<br/> PRE ( R096584 R097710 R099560 SO00021 SO01404 SO04462<br/> SO06120 SO06869 SO07814 SO08581 SO09787 SO09862<br/> SO10000 SO10278 SO10714 )<br/> SUP ( ST11131 )<br/> ++IF FMID(CPBAK00) REQ(SO11130 ) .<br/> ++IF FMID(CINSK00) REQ(SO11129 ) .<br/> ++HOLD (SO11131) SYSTEM FMID(CPPAK00)<br/> REASON (ACTION ) DATE (19353)<br/> COMMENT (</p> <pre> +-----+        CA Plan Analyzer for DB2 for z/OS      Version 20.0        +-----+  SEQUENCE   Before Apply   +-----+  PURPOSE    Ensure Db2 12 APAR PH09796 gets installed ahead of Plan                Analyzer enhancement.   +-----+  USERS      All user's running with Db2 12 subsystems who intend    AFFECTED   to perform Plan Analyzer package copy explains against                PREVIOUS or ORIGINAL package copy.   +-----+  KNOWLEDGE      REQUIRED    Db2 systems programmer   +-----+  ACCESS        REQUIRED    Authorization to install Db2 12 maintenance.   +-----+ ***** * STEPS TO PERFORM * ***** 1. Before applying the Plan Analyzer enhancement for FL 505 Rebind Phase-in, ensure the IBM DB2 12 APAR PH09796 has been successfully installed into all Db2 12 subsystems. More information on Db2 12 APAR PH09796 is available on the web at the following: https://www-01.ibm.com/support/docview.wss?uid=swg1PH09796 2. Note: Plan Analyzer Quick Explain, Explain Strategy, and Rebind Compare Analysis functions are dependent on this DB2 12 APAR to perform a CURRENT explain against package copies PREVIOUS or ORIGINAL. ). ++HOLD (SO11131) SYSTEM FMID(CPPAK00) REASON (DB2BIND) DATE (19353) COMMENT ( +-----+        CA Plan Analyzer for DB2 for z/OS      Version 20.0        +-----+ </pre> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11131 Details

| Service | Details  |
|---------|--|
|         | <pre> +-----+-----+  SEQUENCE   After Apply   +-----+-----+  PURPOSE    Bind Plans and Packages   +-----+-----+  USERS         AFFECTED   All Users   +-----+-----+  KNOWLEDGE      REQUIRED   CA DB2 Tools Post Install Customization.   +-----+-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED   2. BIND, SYSADM or SYSCNTL on DB2 subsystem.   +-----+-----+ ***** * STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the CA Database Management Solutions for DB2 for z/OS on docops.ca.com for more information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If CA SYSVIEW for DB2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors. ).</pre> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11133 Details

| Service | Details  |
|---------|--|
| SO11133 | <p>SO11133 M.C.S. ENTRIES = ++PTF (SO11133)</p> <p>TRIGGER TEXT DUPLICATED IN TG-TX REPORT</p> <p>PROBLEM DESCRIPTION:<br/>In CA RC/Query for DB2 for z/OS (RCQ), the trigger is repeated at the end of the text in the TG-TX report.</p> <p>SYMPTOMS:<br/>Trigger text is repeated after the end of text.</p> <p>IMPACT:<br/>TG-TX report shows incorrect trigger text.</p> <p>CIRCUMVENTION:<br/>Use DDL command to view trigger text.</p> <p>PRODUCTS AFFECTED:<br/>CA RC/Query for DB2 for z/OS Version 20.0</p> <p>PRODUCT(S) AFFECTED:<br/>CA RC/Query for DB2 for z/OS Version 20.0</p> <p>Related Problem:<br/>RCQ 1605</p> <p>Copyright (C) 2019 CA. All rights reserved. R00651-D200-SP0</p> <p>DESC(TRIGGER TEXT DUPLICATED IN TG-TX REPORT).<br/>++VER (Z038)<br/>FMID (CRCQK00)<br/>PRE ( R099569 S006128 )<br/>SUP ( SO10532 ST10532 ST11133 )<br/>++HOLD (SO11133) SYSTEM FMID(CRCQK00)<br/>REASON (DB2BIND) DATE (19338)<br/>COMMENT (</p> <pre> +-----+        CA RC/Query for DB2 for z/OS             Version 20.0        +-----+  SEQUENCE   After Apply   +-----+  PURPOSE    Bind Plans and Packages   +-----+  USERS         AFFECTED   All Users   +-----+  KNOWLEDGE      REQUIRED   CA DB2 Tools Post Install Customization.   +-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED   2. BIND, SYSADM or SYSCNTL on DB2 subsystem.   +-----+ ***** * STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the CA Database Management Solutions for DB2 for z/OS on docops.ca.com for more information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If CA SYSVIEW for DB2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors. ). </pre> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11168 Details

| Service | Details  |
|---------|--|
| SO11168 | <p>SO11168 M.C.S. ENTRIES = ++PTF (SO11168)</p> <p>RECOVER PFR0473E ABEND S0C4 WHEN CALLING IBM</p> <p>PROBLEM DESCRIPTION:<br/>           CA Fast Recover for DB2 for z/OS may abnormally terminate with completion code S0C4-4. This problem occurs when a RECOVER action is performed via a call to IBM Db2 Utility driver DSNUTILB.</p> <p>SYMPTOMS:<br/>           IMPACT:<br/>           CIRCUMVENTION:<br/>           None</p> <p>PRODUCT(S) AFFECTED:<br/>           CA DBM Solutions for DB2 for z/OS Utility General Recovery Version 19.0<br/>           CA DBM Solutions for DB2 for z/OS Utility General Recovery Version 20.0</p> <p>Related Problem:<br/>           PFR 1055</p> <p>Copyright (C) 2019 CA. All rights reserved. R00653-D200-SP0</p> <p>DESC(RECOVER PFR0473E ABEND S0C4 WHEN CALLING IBM).<br/>           ++VER (Z038)<br/>           FMID (CPUTK00)<br/>           PRE ( SO00024 SO07820 )<br/>           SUP ( ST11168 )<br/>           ++IF FMID(CUGRK00) REQ(SO11169) .</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11169 Details

| Service | Details   |
|---------|---|
| SO11169 | <p>SO11169 M.C.S. ENTRIES = ++PTF (SO11169)</p> <p>RECOVER PFR0473E ABEND S0C4 WHEN CALLING IBM</p> <p>PROBLEM DESCRIPTION:<br/>           CA Fast Recover for DB2 for z/OS may abnormally terminate with completion code S0C4-4. This problem occurs when a RECOVER action is performed via a call to IBM Db2 Utility driver DSNUTILB.</p> <p>SYMPTOMS:<br/>           IMPACT:<br/>           CIRCUMVENTION:<br/>           None</p> <p>PRODUCT(S) AFFECTED:<br/>           CA DBM Solutions for DB2 for z/OS Utility General Recovery Version 19.0<br/>           CA DBM Solutions for DB2 for z/OS Utility General Recovery Version 20.0</p> <p>Related Problem:<br/>           PFR 1055</p> <p>Copyright (C) 2019 CA. All rights reserved. R00653-D200-SP0</p> <p>DESC(RECOVER PFR0473E ABEND S0C4 WHEN CALLING IBM).<br/>           ++VER (Z038)<br/>           FMID (CUGRK00)<br/>           PRE ( SO00029 SO06132 SO07826 )<br/>           SUP ( ST11169 )<br/>           ++IF FMID(CPUTK00) REQ(SO11168 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11180 Details

| Service | Details   |
|---------|---|
| SO11180 | <p>SO11180 M.C.S. ENTRIES = ++PTF (SO11180)</p> <p>OFS HEALTH CHECKER INVALID ERROR MESSAGE GENERATED</p> <p>PROBLEM DESCRIPTION:<br/>In the CA Database Management Solutions for DB2 for z/OS, the<br/>OFS health check (DB2_OFS_CREATE_VIEW xman xxxx) status is set to CRITICAL<br/>in error.</p> <p>SYMPTOMS:<br/>The OFS health check status is CRITICAL for a valid parm card value.</p> <p>IMPACT:<br/>Invalid exception thrown.</p> <p>CIRCUMVENTION:<br/>None</p> <p>PRODUCTS EFFECTED:<br/>CA Database Management Solutions for DB2 for z/OS Version 20.0</p> <p>Related Problem:<br/>OFS 694</p> <p>Copyright (C) 2019 CA. All rights reserved. R00657-D200-SP0</p> <p>DESC(OFS HEALTH CHECKER INVALID ERROR MESSAGE GENERATED).<br/>++VER (Z038)<br/>FMID (COFSK00)<br/>PRE ( R096577 )<br/>SUP ( ST11180 )</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11196 Details

| Service | Details  |
|---------|--|
| SO11196 | <pre>SO11196  M.C.S. ENTRIES  = ++PTF (SO11196)  OBID, DBID, PSID AND NACTIVE DATA INCOMPLETE IN TS-L REPORT PROBLEM DESCRIPTION: In CA RC/Query for DB2 for z/OS (RCQ), the TS-L report shows data truncation for the OBID, DBID, PSID and NACTIVE fields. SYMPTOMS: The values of the OBID, DBID, PSID AND NACTIVE columns are truncated for a tablespace. The entire value is not displayed. IMPACT: The OBID, DBID, PSID and NACTIVE values incomplete in TS-L reports. CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA RC/Query for DB2 for z/OS                                     Version 20.0 Related Problem: RCQ    1606 Copyright (C) 2019 CA. All rights reserved. R00659-D200-SP0  DESC(OBID, DBID, PSID AND NACTIVE DATA INCOMPLETE IN TS-L REPORT). ++VER (Z038) FMID (CINSK00) PRE ( SO10469 ) SUP ( ST11196 ) ++IF FMID(CRCQK00) REQ(SO11197 ) .</pre> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11197 Details

| Service | Details   |
|---------|---|
| SO11197 | <p>SO11197 M.C.S. ENTRIES = ++PTF (SO11197)</p> <p>OBID, DBID, PSID AND NACTIVE DATA INCOMPLETE IN TS-L REPORT</p> <p>PROBLEM DESCRIPTION:<br/>In CA RC/Query for DB2 for z/OS (RCQ), the TS-L report shows data truncation for the OBID, DBID, PSID and NACTIVE fields.</p> <p>SYMPTOMS:<br/>The values of the OBID, DBID, PSID AND NACTIVE columns are truncated for a tablespace. The entire value is not displayed.</p> <p>IMPACT:<br/>The OBID, DBID, PSID and NACTIVE values incomplete in TS-L reports.</p> <p>CIRCUMVENTION:<br/>None</p> <p>PRODUCT(S) AFFECTED:<br/>CA RC/Query for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>RCQ 1606</p> <p>Copyright (C) 2019 CA. All rights reserved. R00659-D200-SP0</p> <p>DESC(OBID, DBID, PSID AND NACTIVE DATA INCOMPLETE IN TS-L REPORT).<br/>++VER (Z038)<br/>FMID (CRCQK00)<br/>PRE ( R099569 SO01414 SO04471 SO06875 SO08232 SO08608 )<br/>SUP ( ST11197 )<br/>++IF FMID(CINSK00) REQ(SO11196 ) .<br/>++HOLD (SO11197) SYSTEM FMID(CRCQK00)<br/>REASON (DB2BIND) DATE (19344)<br/>COMMENT (</p> <pre> +-----+        CA RC/Query for DB2 for z/OS             Version 20.0        +-----+-----+  SEQUENCE   After Apply   +-----+-----+  PURPOSE    Bind Plans and Packages   +-----+-----+  USERS         AFFECTED   All Users   +-----+-----+  KNOWLEDGE      REQUIRED   CA DB2 Tools Post Install Customization.   +-----+-----+  ACCESS     1. CA DB2 Tools Post Install    REQUIRED   2. BIND, SYSADM or SYSCNTL on DB2 subsystem.   +-----+-----+ ***** * STEPS TO PERFORM * ***** </pre> <p>DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the CA Database Management Solutions for DB2 for z/OS on docops.ca.com for more information about performing the task in the following step.</p> <p>1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT!</p> <p>If CA SYSVIEW for DB2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.</p> <p>).</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11200 Details

| Service | Details  |
|---------|--|
| SO11200 | <p>SO11200 M.C.S. ENTRIES = ++PTF (SO11200)</p> <p>IBM UTILITY HARNESS IMPROVEMENTS FOR CRITICAL REORG</p> <p>PROBLEM DESCRIPTION:<br/>CA Rapid Reorg for DB2 for z/OS (PRR) can generate incorrect syntax when using the IBM Utility Harness.</p> <p>SYMPTOMS:<br/>The following symptoms occur:<br/>1)When FASTSWITCH is not specified in the PRR SYSIN the FASTSWITCH keyword is not generated when it should be present. The PRR job ends with RC=0.<br/>2)For REORG INDEX, REORG TABLESPACE-INDEX and REORG TABLE-INDEX duplicate Index Names are generated. The PRR job ends with RC=8.<br/>3)For CRITICAL Reorg the SYSUT1 dataset is not allocated. The PRR job ends with RC=8 and the following message is displayed in PTIIMSG:<br/>DSNU047I 302 HH:MM:SS.MS DSNURORG - A REQUIRED DD CARD OR TEMPLATE MISSING. NAME=SYSUT1</p> <p>IMPACT:<br/>IBM Utility harness fails.</p> <p>CIRCUMVENTION:<br/>None.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Rapid Reorg for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>POR 582</p> <p>Copyright (C) 2019 CA. All rights reserved. R00660-D200-SP0</p> <p>DESC(IBM UTILITY HARNESS IMPROVEMENTS FOR CRITICAL REORG).<br/>++VER (Z038)<br/>FMID (CPRRK00)<br/>PRE ( R096588 R097715 R098968 SO00023 SO00786 SO01409<br/>SO01658 SO06125 SO06582 SO06609 SO07818 SO09026<br/>SO09089 SO09599 SO09905 SO11080 SO11109 )<br/>SUP ( ST11058 ST11177 ST11179 ST11200 )</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11201 Details

| Service | Details   |
|---------|---|
| SO11201 | <p>SO11201 M.C.S. ENTRIES = ++PTF (SO11201)</p> <p>GEZUPMMG: DB2 TASKLIB ERROR IN UPMLOG CAUSING PUT9007E</p> <p>PROBLEM DESCRIPTION:<br/>Utility Process Manager (UPM) may fail to complete the FASTSWITCH request from CA Rapid Reorg for DB2 for z/OS (PRR) with RC=0000000C when FASTSWITCH YES is specified.</p> <p>SYMPTOMS:<br/>The following error message can be found in UPMLOG output of Xmanager:<br/>GEZUPMMG: DB2 tasklib error<br/>PRR fails with RC=8 and the following message is in PTIMSG output:<br/>PUT9007E - UPM FASTSWITCH request failed RC=0000000C<br/>- Shadow datasets will not be RENAMED per request.</p> <p>IMPACT:<br/>PRR jobs will fail.</p> <p>CIRCUMVENTION:<br/>Specify FASTSWITCH NO.</p> <p>PRODUCT(S) AFFECTED:<br/>CA DBM Solutions for DB2 for z/OS Base Install Version 20.0</p> <p>Related Problem:<br/>INS 472</p> <p>Copyright (C) 2019 CA. All rights reserved. R00661-D200-SP0</p> <p>DESC(GEZUPMMG: DB2 TASKLIB ERROR IN UPMLOG CAUSING PUT9007E).<br/>++VER (Z038)<br/>FMID (CINSK00)<br/>PRE ( R099553 SO04455 SO06113 SO08755 )<br/>SUP ( ST11201 )<br/>++HOLD (SO11201) SYSTEM FMID(CINSK00)<br/>REASON (RESTART) DATE (19344)<br/>COMMENT (</p> <pre> +-----+        CA DBM Solutions for DB2 for z/OS Base In      Version 20.0        +-----+  SEQUENCE   Before Apply   +-----+  PURPOSE    Avoidance of module mismatch related errors in an Xmanager  +-----+  USERS      Collections of DB2 statistics via Detector or Subsystem    AFFECTED   Analyzer.               DB2 subsystems that have active collections.   +-----+  KNOWLEDGE   1. SMP/E    REQUIRED    2. z/OS System Programming               3. CA DB2 Tools Installation and Maintenance procedures.   +-----+  ACCESS     1. Product runtime libraries.    REQUIRED     +-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures. ). </pre> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11221 Details

| Service | Details  |
|---------|--|
| SO11221 | <p>SO11221 M.C.S. ENTRIES = ++PTF (SO11221)</p> <p>CA UTILITY SORT ENHANCEMENTS</p> <p>ENHANCEMENT DESCRIPTION:<br/>This PTF is an infrastructure prerequisite for CA Utility Sort (CAUTIL) for CA Rapid Reorg for DB2 for z/OS (PRR) enhancements.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Rapid Reorg for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>PRR 1362</p> <p>Copyright (C) 2019 CA. All rights reserved. R00662-D200-SP0</p> <p>DESC(CA UTILITY SORT ENHANCEMENTS).<br/>++VER (Z038)<br/>FMID (CINSK00)</p> <p>PRE ( RO96576 R097704 R099553 SO00016 SO00785 SO00978<br/>SO01396 SO01655 SO03959 SO04129 SO04455 SO04718<br/>SO04794 SO05011 SO05199 SO06113 SO06497 SO06608<br/>SO06638 SO06863 SO06978 SO07169 SO07379 SO07807<br/>SO07940 SO08377 SO08434 SO08662 SO08804 SO08825<br/>SO08832 SO08847 SO08859 SO08869 SO09022 SO09105<br/>SO09205 SO09426 SO09761 SO09785 SO09860 SO09976<br/>SO09999 SO10041 SO10046 SO10162 SO10173 SO10174<br/>SO10200 SO10417 SO10662 SO10676 SO10712 SO10907<br/>SO11078 )<br/>SUP ( ST11164 ST11185 ST11221 )<br/>++IF FMID(CPRRK00) REQ(SO11222 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11222 Details

| Service | Details   |
|---------|---|
| SO11222 | <p>SO11222 M.C.S. ENTRIES = ++PTF (SO11222)</p> <p>CA UTILITY SORT ENHANCEMENTS<br/>           ENHANCEMENT DESCRIPTION:<br/>           This PTF is an infrastructure prerequisite for CA Utility Sort (CAUTIL) for CA Rapid Reorg for DB2 for z/OS (PRR) enhancements.</p> <p>PRODUCT(S) AFFECTED:<br/>           CA Rapid Reorg for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>           PRR 1362</p> <p>Copyright (C) 2019 CA. All rights reserved. R00662-D200-SP0</p> <p>DESC(CA UTILITY SORT ENHANCEMENTS).<br/>           ++VER (Z038)<br/>           FMID (CPRRK00)<br/>           PRE ( R096588 R097715 R098968 SO00023 SO00786 SO00846<br/>           SO01409 SO01658 SO04467 SO04797 SO05015 SO06125<br/>           SO06609 SO07818 SO07893 SO08379 SO09026 SO09599<br/>           SO09901 SO09905 SO10007 SO11039 SO11109 )<br/>           SUP ( SO10679 ST10679 ST11222 )<br/>           ++IF FMID(CINSK00) REQ(SO11221) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11234 Details

| Service | Details  |
|---------|--|
| SO11234 | <p>SO11234 M.C.S. ENTRIES = ++PTF (SO11234)</p> <p>FASTLOAD TASK RESTRUCTURE - PHASE 2</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This PTF is an infrastructure prerequisite for the future enhancement and restructure of internal tasks for CA Fast Load for DB2 for z/OS (PFL). This change may improve overall performance and potentially increase zIIP usage.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Fast Load for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:</p> <p>PFL 1279</p> <p>Copyright (C) 2019 CA. All rights reserved. R00665-D200-SP0</p> <p>DESC(FASTLOAD TASK RESTRUCTURE - PHASE 2).</p> <p>++VER (Z038)</p> <p>FMID (CINSK00)</p> <p>PRE ( RO96576 R097704 R099553 SO00016 SO00785 SO00978<br/>SO01396 SO01655 SO03860 SO03959 SO04129 SO04250<br/>SO04455 SO04718 SO04794 SO05011 SO05199 SO06113<br/>SO06497 SO06608 SO06638 SO06863 SO06978 SO07169<br/>SO07379 SO07807 SO07940 SO08313 SO08406 SO08434<br/>SO08662 SO08804 SO08825 SO08832 SO08847 SO08859<br/>SO08869 SO09022 SO09105 SO09205 SO09426 SO09761<br/>SO09785 SO09860 SO09976 SO09999 SO10041 SO10046<br/>SO10162 SO10173 SO10174 SO10200 SO10417 SO10662<br/>SO10676 SO10712 SO10907 SO11078 SO11112 SO11221 )<br/>SUP ( SO08016 SO10389 SO10639 ST08016 ST10389 ST10639<br/>ST11171 ST11234 )</p> <p>++IF FMID(CPFLK00) REQ(SO11235 ) .</p> <p>++IF FMID(CPFUK00) REQ(SO11236 ) .</p> <p>++IF FMID(CPRRK00) REQ(SO11237 ) .</p> <p>++IF FMID(CPUTK00) REQ(SO11238 ) .</p> <p>++IF FMID(CUGRK00) REQ(SO11239 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11235 Details

| Service | Details   |
|---------|---|
| SO11235 | <p>SO11235 M.C.S. ENTRIES = ++PTF (SO11235)</p> <p>FASTLOAD TASK RESTRUCTURE - PHASE 2</p> <p>ENHANCEMENT DESCRIPTION:<br/>This PTF is an infrastructure prerequisite for the future enhancement and restructure of internal tasks for CA Fast Load for DB2 for z/OS (PFL). This change may improve overall performance and potentially increase zIIP usage.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Fast Load for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>PFL 1279</p> <p>Copyright (C) 2019 CA. All rights reserved. R00665-D200-SP0</p> <p>DESC(FASTLOAD TASK RESTRUCTURE - PHASE 2).<br/>++VER (Z038)<br/>FMID (CPFLK00)<br/>PRE ( RO96581 RO97708 RO99557 SO00018 SO00704 SO01401<br/>SO01656 SO04459 SO04857 SO05012 SO05502 SO06117<br/>SO06866 SO07170 SO07811 SO08071 SO08378 SO08428<br/>SO09024 SO09900 SO09977 SO10752 SO11107 )<br/>SUP ( ST11172 ST11235 )<br/>++IF FMID(CPFUK00) REQ(SO11236 ) .<br/>++IF FMID(CPRRK00) REQ(SO11237 ) .<br/>++IF FMID(CPUTK00) REQ(SO11238 ) .<br/>++IF FMID(CUGRK00) REQ(SO11239 ) .<br/>++IF FMID(CINSK00) REQ(SO11234 ) .</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11236 Details

| Service | Details  |
|---------|--|
| SO11236 | <p>SO11236 M.C.S. ENTRIES = ++PTF (SO11236)</p> <p>FASTLOAD TASK RESTRUCTURE - PHASE 2</p> <p>ENHANCEMENT DESCRIPTION:<br/>           This PTF is an infrastructure prerequisite for the future enhancement and restructure of internal tasks for CA Fast Load for DB2 for z/OS (PFL). This change may improve overall performance and potentially increase zIIP usage.</p> <p>PRODUCT(S) AFFECTED:<br/>           CA Fast Load for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>           PFL 1279</p> <p>Copyright (C) 2019 CA. All rights reserved. R00665-D200-SP0</p> <p>DESC(FASTLOAD TASK RESTRUCTURE - PHASE 2).<br/>           ++VER (Z038)<br/>           FMID (CPFUK00)<br/>           PRE ( RO96582 RO99558 SO00019 SO01402 SO01657 SO01818<br/>           SO04460 SO05013 SO05503 SO06118 SO06867 SO07171<br/>           SO07381 SO07812 SO08352 SO08860 SO09025 SO09107<br/>           SO09764 SO10043 SO10107 SO10175 SO10626 SO11108 )<br/>           SUP ( ST11173 ST11236 )<br/>           ++IF FMID(CPFLK00) REQ(SO11235 ) .<br/>           ++IF FMID(CPRRK00) REQ(SO11237 ) .<br/>           ++IF FMID(CPUTK00) REQ(SO11238 ) .<br/>           ++IF FMID(CUGRK00) REQ(SO11239 ) .<br/>           ++IF FMID(CINSK00) REQ(SO11234 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11237 Details

| Service | Details   |
|---------|---|
| SO11237 | <p>SO11237 M.C.S. ENTRIES = ++PTF (SO11237)</p> <p>FASTLOAD TASK RESTRUCTURE - PHASE 2</p> <p>ENHANCEMENT DESCRIPTION:<br/>This PTF is an infrastructure prerequisite for the future enhancement and restructure of internal tasks for CA Fast Load for DB2 for z/OS (PFL). This change may improve overall performance and potentially increase zIIP usage.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Fast Load for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>PFL 1279</p> <p>Copyright (C) 2019 CA. All rights reserved. R00665-D200-SP0</p> <p>DESC(FASTLOAD TASK RESTRUCTURE - PHASE 2).<br/>++VER (Z038)<br/>FMID (CPRRK00)<br/>PRE ( RO96588 RO97715 RO98968 SO00023 SO00786 SO00846<br/>SO01409 SO01658 SO04247 SO04467 SO04797 SO05015<br/>SO06125 SO06582 SO06609 SO07818 SO07893 SO08379<br/>SO09026 SO09089 SO09599 SO09671 SO09901 SO09905<br/>SO09954 SO10007 SO10505 SO11039 SO11080 SO11109<br/>SO11200 SO11222 )<br/>SUP ( SO10625 ST04019 ST09357 ST09371 ST10625 ST11058<br/>ST11174 ST11237 )<br/>++IF FMID(CPFLK00) REQ(SO11235 ) .<br/>++IF FMID(CPFUK00) REQ(SO11236 ) .<br/>++IF FMID(CPUTK00) REQ(SO11238 ) .<br/>++IF FMID(CUGRK00) REQ(SO11239 ) .<br/>++IF FMID(CINSK00) REQ(SO11234 ) .</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11238 Details

| Service | Details  |
|---------|--|
| SO11238 | <pre> SO11238  M.C.S. ENTRIES  = ++PTF (SO11238)  FASTLOAD TASK RESTRUCTURE - PHASE 2 ENHANCEMENT DESCRIPTION: This PTF is an infrastructure prerequisite for the future enhancement and restructure of internal tasks for CA Fast Load for DB2 for z/OS (PFL). This change may improve overall performance and potentially increase zIIP usage. PRODUCT(S) AFFECTED: CA Fast Load for DB2 for z/OS                               Version 20.0 Related Problem: PFL      1279 Copyright (C) 2019 CA. All rights reserved. R00665-D200-SP0  DESC(FASTLOAD TASK RESTRUCTURE - PHASE 2). ++VER (Z038) FMID (CPUTK00) PRE ( RO96590 R097717 R098969 R099566 SO00024 SO00787 SO01411 SO01659 SO03844 SO04469 SO04798 SO05016 SO05102 SO06127 SO06610 SO06874 SO07172 SO07820 SO07894 SO08072 SO08429 SO08586 SO08732 SO08803 SO08861 SO08871 SO09027 SO09186 SO09253 SO09765 SO09854 SO09902 SO09978 SO10038 SO10678 SO11110 SO11114 ) SUP ( AS03992 SO03992 SO07711 SO08879 SO09973 SO10474 ST03992 ST07711 ST08879 ST09973 ST10474 ST11175 ST11238 ) ++IF FMID(CPFLK00) REQ(SO11235 ) . ++IF FMID(CPFUK00) REQ(SO11236 ) . ++IF FMID(CPRRK00) REQ(SO11237 ) . ++IF FMID(CUGRK00) REQ(SO11239 ) . ++IF FMID(CINSK00) REQ(SO11234 ) . ++HOLD (SO11238) SYSTEM FMID(CPUTK00) REASON (MSGSKEL)   DATE (19350) COMMENT ( +-----+        CA DBM Solutions for DB2 for z/OS Utilities Common               Version 20.0   +-----+  SEQUENCE   After Apply   +-----+  PURPOSE    Relink XMESSAGES   +-----+  USERS  AFFECTED   All CA DB2 Tools Users   +-----+  KNOWLEDGE   REQUIRED   CA DB2 Tools Post Install Customization.                     +-----+  ACCESS     1. CA DB2 Tools Post Install                                    REQUIRED   2. BIND Authority on DB2 subsystems                           +-----+ ***** * STEPS TO PERFORM * *****  XMESSAGE components have changes as part of this maintenance. If you do not customize XMESSAGES, no further action is required. If you do customize XMESSAGES, after maintenance is APPLIED 1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules. Refer to the Post Installation and Customization Guide for details. ). ++HOLD (SO11238) SYSTEM FMID(CPUTK00) REASON (RESTART)   DATE (19350) COMMENT ( +-----+ </pre> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11238 Details

| Service | Details  |
|---------|--|
|         | CA DBM Solutions for DB2 for z/OS Utilities Common<br>Version 20.0<br>-----+   |
|         | SEQUENCE   Before Apply  |
|         | -----+<br> PURPOSE   Avoidance of module mismatch related errors in an Xmanager  |
|         | -----+<br> USERS   Collections of DB2 statistics via Detector or Subsystem  <br> AFFECTED   Analyzer.  <br>    DB2 subsystems that have active collections.  |
|         | -----+<br> KNOWLEDGE   1. SMP/E  <br> REQUIRED   2. z/OS System Programming  <br>    3. CA DB2 Tools Installation and Maintenance procedures.  |
|         | -----+<br> ACCESS   1. Product runtime libraries.  <br> REQUIRED   |
|         | -----+<br>*****<br>* STEPS TO PERFORM *<br>*****<br>To implement the PTF:<br>1. Stop product collections.<br>2. Stop the Xmanager task.<br>3. Update the runtime library.<br>4. Restart the Xmanager task.<br>Important!<br>Please do not apply maintenance to the Xmanager runtime libraries with<br>Xmanager active as it may result in a discrepancy between<br>dynamically loaded components and statically loaded components.<br>This may result in unpredictable behavior with CA-DB2 tools and/or may<br>compromise the operating system/DB2 including possible failures.<br>). |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11239 Details

| Service | Details   |
|---------|---|
| SO11239 | <p>SO11239 M.C.S. ENTRIES = ++PTF (SO11239)</p> <p>FASTLOAD TASK RESTRUCTURE - PHASE 2</p> <p>ENHANCEMENT DESCRIPTION:<br/>This PTF is an infrastructure prerequisite for the future enhancement and restructure of internal tasks for CA Fast Load for DB2 for z/OS (PFL). This change may improve overall performance and potentially increase zIIP usage.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Fast Load for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>PFL 1279</p> <p>Copyright (C) 2019 CA. All rights reserved. R00665-D200-SP0</p> <p>DESC(FASTLOAD TASK RESTRUCTURE - PHASE 2).<br/>++VER (Z038)<br/>FMID (CUGRK00)<br/>PRE ( RO96595 RO97722 RO99574 SO00029 SO00201 SO00788<br/>SO01418 SO01660 SO03677 SO04475 SO04799 SO05018<br/>SO06069 SO06132 SO06879 SO07173 SO07826 SO07905<br/>SO08466 SO08668 SO08833 SO08841 SO09028 SO09132<br/>SO09742 SO09748 SO09766 SO09867 SO09903 SO09974<br/>SO10044 SO10165 SO10201 SO10553 SO10818 SO10819 )<br/>SUP ( ST05104 ST11176 ST11239 )<br/>++IF FMID(CPFLK00) REQ(SO11235 ) .<br/>++IF FMID(CPFUK00) REQ(SO11236 ) .<br/>++IF FMID(CPRRK00) REQ(SO11237 ) .<br/>++IF FMID(CPUTK00) REQ(SO11238 ) .<br/>++IF FMID(CINSK00) REQ(SO11234 ) .</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11255 Details

| Service | Details   |
|---------|---|
| SO11255 | <p>SO11255 M.C.S. ENTRIES = ++PTF (SO11255)</p> <p>ALTER INDEX STRATEGY FAILS WITH RMA091E ERROR</p> <p>PROBLEM DESCRIPTION:</p> <p>CA RC/Migrator for DB2 for z/OS (RCM), the alter Index strategy analysis with FULLTREE(NO) fails with error message RMA091E on DB2 v11 or prior releases.</p> <p>SYMPTOMS:</p> <p>Analysis fails with following message:</p> <p>RMA091E THE CURRENT CATALOG DEFINITION OF INDEX ixcreator.ixname DOES NOT MATCH THE DEFINITION WHICH EXISTED AT TIME OF EDIT. THE OBJECT WILL NOT BE ALTERED.</p> <p>IMPACT:</p> <p>User cannot analyze alter Index strategy with FULLTREE(NO)</p> <p>CIRCUMVENTION:</p> <p>You must analyze with FULLTREE(YES) option in MIGRATOR parmlib member.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA RC/Migrator for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:</p> <p>RCM 3040</p> <p>Copyright (C) 2019 CA. All rights reserved. R00666-D200-SP0</p> <p>DESC(ALTER INDEX STRATEGY FAILS WITH RMA091E ERROR).</p> <p>++VER (Z038)</p> <p>FMID (CINSK00)</p> <p>PRE ( RO96576 RO97704 SO01396 SO04455 SO04718 SO07379<br/>         SO09105 SO09799 )</p> <p>SUP ( CS07379 SO08684 ST08684 ST11255 )</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11261 Details

| Service | Details  |
|---------|--|
| SO11261 | <p>SO11261 M.C.S. ENTRIES = ++PTF (SO11261)</p> <p>RC/MERGER RUNS REPAIR UTILITIES WHEN RBA_FORMAT IS BLANK</p> <p>PROBLEM DESCRIPTION:<br/>In CA RC/Migrator for DB2 for z/OS (RCM), the RC/Merger (RMM) execution generates REPAIR utilities when RBA_FORMAT of source is "blank" and target is "B", but technically both are same.</p> <p>SYMPTOMS:<br/>Below information message displayed in the execution.<br/>RCM0309I - TARGET TABLESPACE DBLBG20.TSLBG30 RBA FORMAT WILL BE SET TO SOURCE RBA FORMAT EXTENDED, IF YOU WANT TO HONOR RBA FORMAT OF TARGET TABLESPACE PLEASE SCHEDULE A REORG WITH RBALRSN_CONVERSION BASIC.</p> <p>IMPACT:<br/>Unnecessary execution of REPAIR utilities.</p> <p>CIRCUMVENTION:<br/>None.</p> <p>Product(S) Affected:<br/>CA RC/Migrator for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>PRODUCT(S) AFFECTED:<br/>CA DBM Solutions for DB2 for z/OS Base Install <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>RMM 250</p> <p>Copyright (C) 2019 CA. All rights reserved. R00667-D200-SP0</p> <p>DESC(RC/MERGER RUNS REPAIR UTILITIES WHEN RBA_FORMAT IS BLANK).<br/>++VER (Z038)<br/>FMID (CINSK00)<br/>PRE ( SO00016 SO04718 SO04855 SO06638 SO07323 SO07807<br/>SO07955 )<br/>SUP ( SO08330 ST08330 ST11261 )</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11263 Details

| Service | Details   |
|---------|---|
| SO11263 | <p>SO11263 M.C.S. ENTRIES = ++PTF (SO11263)</p> <p>RESET PROCESSING ENVIRONMENT AFTER VIEWING TRACE DATA</p> <p>PROBLEM DESCRIPTION:<br/>The CA Detector for DB2 for z/OS (PDT) trace facility has been changed to generate and use ALETs to read DBD information held in the DBM1 address space.</p> <p>SYMPTOMS:<br/>This change is non-symptomatic.</p> <p>IMPACT:<br/>This change implements the preferred method (AR access using ALETs) of obtaining/reading data in DB2 address spaces.</p> <p>CIRCUMVENTION:<br/>None.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Detector for DB2 for z/OS <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>PDT 1672</p> <p>Copyright (C) 2019 CA. All rights reserved. R00668-D200-SP0</p> <p>DESC(RESET PROCESSING ENVIRONMENT AFTER VIEWING TRACE DATA).<br/>++VER (Z038)<br/>FMID (CPDTK00)<br/>PRE ( SO01400 )<br/>SUP ( ST11263 )<br/>++HOLD (SO11263) SYSTEM FMID(CPDTK00)<br/>REASON (RESTART) DATE (19350)<br/>COMMENT (</p> <pre> +-----+        CA Detector for DB2 for z/OS             Version 20.0        +-----+  SEQUENCE   Before Apply   +-----+  PURPOSE    Avoidance of module mismatch related errors in an Xmanager  +-----+  USERS      Collections of DB2 statistics via Detector or Subsystem    AFFECTED   Analyzer.               DB2 subsystems that have active collections.   +-----+  KNOWLEDGE   1. SMP/E    REQUIRED    2. z/OS System Programming               3. CA DB2 Tools Installation and Maintenance procedures.   +-----+  ACCESS     1. Product runtime libraries.    REQUIRED     +-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures. ).</pre> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11317 Details

| Service | Details  |
|---------|--|
| SO11317 | <p>SO11317 M.C.S. ENTRIES = ++PTF (SO11317)</p> <p>EXCESSIVE ABOVE THE BAR/AUX STORAGE USAGE<br/>PROBLEM DESCRIPTION:<br/>CA Execution Manager (Xmanager) fails to provide excessive storage management when MEMLIMIT is set in the IEFUSI exit rather than in the JCL for Xmanager.<br/>SYMPTOMS:<br/>The IEFUSI exit overrides the MEMLIMIT set in JCL, so Xmanager cannot effectively manage excessive storage conditions if the IEFUSI exit sets the MEMLIMIT too high.<br/>IMPACT:<br/>Excessive usage above the bar can cause high AUX storage usage (since the storage may be backed by AUX storage).<br/>CIRCUMVENTION:<br/>This problem can be circumvented by changing the MEMLIMIT setting in the IEFUSI exit.<br/>PRODUCT(S) AFFECTED:<br/>CA DBM Solutions for DB2 for z/OS Base Install Version 20.0<br/>Related Problem:<br/>PXM 210<br/>Copyright (C) 2019 CA. All rights reserved. R00671-D200-SP0</p> <p>DESC(EXCESSIVE ABOVE THE BAR/AUX STORAGE USAGE).<br/>++VER (Z038)<br/>FMID (CINSK00)<br/>PRE ( SO04455 SO04756 SO06113 )<br/>SUP ( ST11300 ST11317 )<br/>++HOLD (SO11317) SYSTEM FMID(CINSK00)<br/>REASON (DOC ) DATE (19354)<br/>COMMENT (<br/>+-----+<br/>  CA DBM Solutions for DB2 for z/OS Base Install Version 20.0  <br/>+-----+<br/>*****<br/>* PUBLICATION *<br/>*****<br/>TWO(2) EXEC STATEMENT PARMS ADDED:<br/>MEMMAX - SPECIFIES THE MAXIMUM AMOUNT OF VIRTUAL STORAGE, IN GB,<br/>THAT CAN BE ALLOCATED ABOVE THE 2-GB BAR.<br/>THIS PARAMETER IS THE EQUIVALENT OF THE MEMLIMIT<br/>ON THE JOB OR EXECUTE CARD.<br/>USE MEMMAX ONLY WHEN THE IEFUSI EXIT CONTAINS A MEMLIMIT<br/>VALUE THAT IS OVERRIDING THE MEMLIMIT VALUE IN THE JCL.<br/>MINIMUM VALUE OF 1 (1GB), MAXIMUM OF 99999 (99999GB)<br/>EXAMPLE: MEMMAX(12)<br/>NOTE: THIS VALUE WILL BE REDUCED TO MEMLIMIT SETTING<br/>THROUGH THE IEFUSI EXIT OR MEMLIMIT IN THE JCL<br/>IF IT EXCEEDS IT.<br/>MAXAUX - SPECIFIES THE MAXIMUM NUMBER OF AUXILIARY STORAGE SLOTS, IN<br/>K THAT CAN BE USED TO BACK ABOVE THE BAR MEMORY.<br/>MINIMUM VALUE OF 100 (100K), MAXIMUM VALUE OF 99999(99999K)<br/>EXAMPLE: MAXAUX(500) OR 512,000 SLOTS.<br/>)<br/>++HOLD (SO11317) SYSTEM FMID(CINSK00)<br/>REASON (RESTART) DATE (19354)<br/>COMMENT (<br/>+-----+<br/>  CA DBM Solutions for DB2 for z/OS Base In Version 20.0  <br/>+-----+<br/> SEQUENCE   Before Apply  <br/>+-----+<br/> PURPOSE   Avoidance of module mismatch related errors in an Xmanager <br/>+-----+<br/> USERS   Collections of DB2 statistics via Detector or Subsystem  </p> |

| Service  | Details                  |  |
|--|--------------------------|--|
|  | AFFECTED                 | Analyzer.<br>DB2 subsystems that have active collections.  |
|  | KNOWLEDGE  <br> REQUIRED | 1. SMP/E<br>2. z/OS System Programming<br>3. CA DB2 Tools Installation and Maintenance procedures. |
|  | ACCESS  <br> REQUIRED    | 1. Product runtime libraries.  |
| <pre> ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures. ).</pre> |                          |  |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11323 Details

| Service | Details  |
|---------|--|
| SO11323 | <p>SO11323 M.C.S. ENTRIES = ++PTF (SO11323)</p> <p>CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS</p> <p>PROBLEM DESCRIPTION:<br/>           CA Merge/Modify for Db2 for z/OS (PMM) has been changed to use ALET-based access to the Db2 address spaces.</p> <p>SYMPTOMS:<br/>           No symptoms exist for this problem. This is an internal enhancement to use access registers (AR-mode).</p> <p>IMPACT:<br/>           None.</p> <p>CIRCUMVENTION:<br/>           None.</p> <p>PRODUCT(S) AFFECTED:<br/>           Utility General Recovery and PFR PMM PQC PFC <span style="float: right;">Version 20.0</span></p> <p>Related Problem:<br/>           PMM 386</p> <p>Copyright (C) 2019 CA. All rights reserved. R00672-D200-SP0</p> <p>DESC(CONVERT CROSS MEMORY DB2 ACCESS TO ALET-BASED ACCESS).<br/>           ++VER (Z038)<br/>           FMID (CUGRK00)<br/>           PRE ( RO96595 RO97722 RO99574 SO00029 SO00788 SO01418<br/>           SO01660 SO03677 SO04475 SO04799 SO05018 SO06132<br/>           SO06879 SO07173 SO07826 SO07905 SO08466 SO08833<br/>           SO08841 SO09028 SO09742 SO09748 SO09766 SO09867<br/>           SO09903 SO09974 SO10044 SO10165 SO10201 SO10553<br/>           SO10818 SO10819 SO11083 SO11239 )<br/>           SUP ( ST11323 )</p> |

CA DB2 Tools 20.0  
CA RS 2001 - PTF SO11345 Details

| Service | Details  |
|---------|--|
| SO11345 | <p>SO11345 M.C.S. ENTRIES = ++PTF (SO11345)</p> <p>PSA MAY ABEND WITH 0C9 WHEN VIEW BY TABLE IS SELECTED</p> <p>PROBLEM DESCRIPTION:<br/>CA Subsystem Analyzer for DB2 for z/OS (PSA) may abend with an 0C9 when the VIEW by TABLE option is selected on an active or historical interval.</p> <p>SYMPTOMS:<br/>The 0C9 abend may occur on the TSO screen.</p> <p>IMPACT:<br/>When the S0C9 abend is encountered, the user will be forced out of the TSO session.</p> <p>CIRCUMVENTION:<br/>None.</p> <p>PRODUCT(S) AFFECTED:<br/>CA Subsystem Analyzer for DB2 for z/OS Version 20.0</p> <p>Related Problem:<br/>PSA 524</p> <p>Copyright (C) 2019 CA. All rights reserved. R00675-D200-SP0</p> <p>DESC(PSA MAY ABEND WITH 0C9 WHEN VIEW BY TABLE IS SELECTED).<br/>++VER (Z038)<br/>FMID (CPSAK00)<br/>PRE ( SO07819 )<br/>SUP ( ST11345 )<br/>++HOLD (SO11345) SYSTEM FMID(CPSAK00)<br/>REASON (RESTART) DATE (19354)<br/>COMMENT (</p> <pre> +-----+        CA Subsystem Analyzer for DB2 for z/OS      Version 20.0        +-----+  SEQUENCE   Before Apply   +-----+  PURPOSE    Avoidance of module mismatch related errors in an Xmanager  +-----+  USERS      Collections of DB2 statistics via Detector or Subsystem    AFFECTED   Analyzer.               DB2 subsystems that have active collections.   +-----+  KNOWLEDGE  1. SMP/E    REQUIRED   2. z/OS System Programming               3. CA DB2 Tools Installation and Maintenance procedures.   +-----+  ACCESS     1. Product runtime libraries.    REQUIRED     +-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures. ).</pre> <p>MCS SO10277 STARTS ON PAGE 0003<br/>MCS SO10278 STARTS ON PAGE 0003<br/>MCS SO10662 STARTS ON PAGE 0004<br/>MCS SO10739 STARTS ON PAGE 0005</p> |

CA DB2 Tools 20.0  
 CA RS 2001 - PTF SO11345 Details

| Service | Details |        |              |
|---------|---------|--------|--------------|
| MCS     | SO10817 | STARTS | ON PAGE 0006 |
| MCS     | SO10835 | STARTS | ON PAGE 0007 |
| MCS     | SO10867 | STARTS | ON PAGE 0009 |
| MCS     | SO10906 | STARTS | ON PAGE 0011 |
| MCS     | SO10907 | STARTS | ON PAGE 0013 |
| MCS     | SO10908 | STARTS | ON PAGE 0016 |
| MCS     | SO10955 | STARTS | ON PAGE 0019 |
| MCS     | SO10974 | STARTS | ON PAGE 0020 |
| MCS     | SO10975 | STARTS | ON PAGE 0021 |
| MCS     | SO10978 | STARTS | ON PAGE 0022 |
| MCS     | SO11009 | STARTS | ON PAGE 0023 |
| MCS     | SO11013 | STARTS | ON PAGE 0025 |
| MCS     | SO11017 | STARTS | ON PAGE 0026 |
| MCS     | SO11048 | STARTS | ON PAGE 0028 |
| MCS     | SO11052 | STARTS | ON PAGE 0029 |
| MCS     | SO11078 | STARTS | ON PAGE 0030 |
| MCS     | SO11079 | STARTS | ON PAGE 0032 |
| MCS     | SO11080 | STARTS | ON PAGE 0047 |
| MCS     | SO11083 | STARTS | ON PAGE 0050 |
| MCS     | SO11084 | STARTS | ON PAGE 0052 |
| MCS     | SO11085 | STARTS | ON PAGE 0052 |
| MCS     | SO11105 | STARTS | ON PAGE 0053 |
| MCS     | SO11107 | STARTS | ON PAGE 0054 |
| MCS     | SO11108 | STARTS | ON PAGE 0054 |
| MCS     | SO11109 | STARTS | ON PAGE 0056 |
| MCS     | SO11110 | STARTS | ON PAGE 0056 |
| MCS     | SO11112 | STARTS | ON PAGE 0058 |
| MCS     | SO11113 | STARTS | ON PAGE 0059 |
| MCS     | SO11114 | STARTS | ON PAGE 0064 |
| MCS     | SO11129 | STARTS | ON PAGE 0065 |
| MCS     | SO11130 | STARTS | ON PAGE 0068 |
| MCS     | SO11131 | STARTS | ON PAGE 0069 |
| MCS     | SO11133 | STARTS | ON PAGE 0072 |
| MCS     | SO11168 | STARTS | ON PAGE 0074 |
| MCS     | SO11169 | STARTS | ON PAGE 0074 |
| MCS     | SO11180 | STARTS | ON PAGE 0075 |
| MCS     | SO11196 | STARTS | ON PAGE 0076 |
| MCS     | SO11197 | STARTS | ON PAGE 0077 |
| MCS     | SO11200 | STARTS | ON PAGE 0078 |
| MCS     | SO11201 | STARTS | ON PAGE 0079 |
| MCS     | SO11221 | STARTS | ON PAGE 0081 |
| MCS     | SO11222 | STARTS | ON PAGE 0082 |
| MCS     | SO11234 | STARTS | ON PAGE 0082 |
| MCS     | SO11235 | STARTS | ON PAGE 0084 |
| MCS     | SO11236 | STARTS | ON PAGE 0085 |
| MCS     | SO11237 | STARTS | ON PAGE 0085 |
| MCS     | SO11238 | STARTS | ON PAGE 0087 |
| MCS     | SO11239 | STARTS | ON PAGE 0090 |
| MCS     | SO11255 | STARTS | ON PAGE 0091 |
| MCS     | SO11261 | STARTS | ON PAGE 0092 |
| MCS     | SO11263 | STARTS | ON PAGE 0092 |
| MCS     | SO11317 | STARTS | ON PAGE 0094 |
| MCS     | SO11323 | STARTS | ON PAGE 0096 |
| MCS     | SO11345 | STARTS | ON PAGE 0097 |

CA DB2 Tools 20.0  
CA RS 2001 Product/Component Listing

| Product Family | Product  | Release  |
|----------------|--|----------|
| Database       | CA BIND ANALYZER FOR DB2 FOR Z/OS                            | 20.00.00 |
|                | CA DATABASE ANALYZER FOR DB2 FOR Z/OS                        | 20.00.00 |
|                | CA DBM SOLUTIONS FOR DB2 FOR Z/OS BASE INSTALL               | 20.00.00 |
|                | CA DBM SOLUTIONS FOR DB2 FOR Z/OS OBJECT FRAMEWORK SERVICES  | 20.00.00 |
|                | CA DBM SOLUTIONS FOR DB2 FOR Z/OS UI SERVICES                | 20.00.00 |
|                | CA DBM SOLUTIONS FOR DB2 FOR Z/OS UTILITIES COMMON           | 20.00.00 |
|                | CA DBM SOLUTIONS FOR DB2 FOR Z/OS UTILITY GENERAL RECOVERY   | 20.00.00 |
|                | CA DBM SOLUTIONS FOR DB2 FOR Z/OS UTILITY SORT SERVICE       | 20.00.00 |
|                | CA DBM SOLUTIONS FOR DB2 FOR Z/OS XNET COMMUNICATIONS SERVER | 20.00.00 |
|                | CA DBM SOLUTIONS SNAPSHOT GENERAL SERVICES                   | 20.00.00 |
|                | CA DETECTOR FOR DB2 FOR Z/OS                                 | 20.00.00 |
|                | CA ENDEVOR SOFTWARE CHANGE MANAGER INTERFACE FOR DB2         | 20.00.00 |
|                | CA FAST LOAD FOR DB2 FOR Z/OS                                | 20.00.00 |
|                | CA FAST UNLOAD FOR DB2 FOR Z/OS                              | 20.00.00 |
|                | CA LOG ANALYZER FOR DB2 FOR Z/OS                             | 20.00.00 |
|                | CA PLAN ANALYZER FOR DB2 FOR Z/OS                            | 20.00.00 |
|                | CA RAPID REORG FOR DB2 FOR Z/OS                              | 20.00.00 |
|                | CA RC/EXTRACT FOR DB2 FOR Z/OS                               | 20.00.00 |
|                | CA RC/MIGRATOR FOR DB2 FOR Z/OS                              | 20.00.00 |
|                | CA RC/QUERY FOR DB2 FOR Z/OS                                 | 20.00.00 |
|                | CA RC/SECURE FOR DB2 FOR Z/OS                                | 20.00.00 |
|                | CA RC/UPDATE FOR DB2 FOR Z/OS                                | 20.00.00 |
|                | CA RECOVERY ANALYZER FOR DB2 FOR Z/OS                        | 20.00.00 |
|                | CA REPORT FACILITY FOR TSO                                   | 20.00.00 |
|                | CA SUBSYSTEM ANALYZER FOR DB2 FOR Z/OS                       | 20.00.00 |
|                | CA SYSVIEW PERFORMANCE MANAGEMENT OPTION FOR DB2 FOR Z/OS    | 20.00.00 |
|                | CA COMMON SQL SERVICES FOR DB2 FOR Z/OS                      | 01.00.00 |

The CA RS 2001 Product/Component Count for this release is 27

CA DB2 Tools 20.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR2001     | SO11345 | CPSAK00 |
|             | SO11323 | CUGRK00 |
|             | SO11317 | CINSK00 |
|             | SO11263 | CPDTK00 |
|             | SO11261 | CINSK00 |
|             | SO11255 | CINSK00 |
|             | SO11239 | CUGRK00 |
|             | SO11238 | CPUTK00 |
|             | SO11237 | CPRRK00 |
|             | SO11236 | CPFUK00 |
|             | SO11235 | CPFLK00 |
|             | SO11234 | CINSK00 |
|             | SO11222 | CPRRK00 |
|             | SO11221 | CINSK00 |
|             | SO11201 | CINSK00 |
|             | SO11200 | CPRRK00 |
|             | SO11197 | CRCQK00 |
|             | SO11196 | CINSK00 |
|             | SO11180 | COFSK00 |
|             | SO11169 | CUGRK00 |
|             | SO11168 | CPUTK00 |
|             | SO11133 | CRCQK00 |
|             | SO11131 | CPPAK00 |
|             | SO11130 | CPBAK00 |
|             | SO11129 | CINSK00 |
|             | SO11114 | CPUTK00 |
|             | SO11113 | CPLAK00 |
|             | SO11112 | CINSK00 |
|             | SO11110 | CPUTK00 |
|             | SO11109 | CPRRK00 |
|             | SO11108 | CPFUK00 |
|             | SO11107 | CPFLK00 |
|             | SO11105 | CRCUK00 |
|             | SO11085 | CPUTK00 |
|             | SO11084 | CINSK00 |
|             | SO11083 | CUGRK00 |
|             | SO11080 | CPRRK00 |
|             | SO11079 | CRCXK00 |
|             | SO11078 | CINSK00 |
|             | SO11052 | CPFUK00 |
|             | SO11048 | CINSK00 |
|             | SO11017 | CPDAK00 |
|             | SO11013 | CPFUK00 |
|             | SO11009 | CUTSK00 |
|             | SO10978 | CINSK00 |
|             | SO10975 | CRCUK00 |
|             | SO10974 | CINSK00 |
|             | SO10955 | CPSAK00 |
|             | SO10908 | CPDTK00 |
|             | SO10907 | CINSK00 |
|             | SO10906 | CIDBK00 |
|             | SO10867 | CPSAK00 |
|             | SO10835 | CINSK00 |
|             | SO10817 | CPRAK00 |
|             | SO10739 | CIDBK00 |

CA DB2 Tools 20.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | SO10662 | CINSK00 |
|             | SO10278 | CPPAK00 |
|             | SO10277 | CPBAK00 |
| CAR1912     | SO11039 | CPRRK00 |
|             | SO10948 | CINSK00 |
|             | SO10921 | CPDTK00 |
|             | SO10920 | CINSK00 |
|             | SO10872 | CINSK00 |
|             | SO10871 | CINSK00 |
|             | SO10827 | CINSK00 |
|             | SO10819 | CUGRK00 |
|             | SO10818 | CUGRK00 |
|             | SO10815 | CINSK00 |
|             | SO10789 | CAHOK00 |
|             | SO10788 | CINSK00 |
|             | SO10763 | CINSK00 |
|             | SO10760 | CINSK00 |
|             | SO10752 | CPFLK00 |
|             | SO10750 | CINSK00 |
|             | SO10716 | CIDBK00 |
|             | SO10714 | CPPAK00 |
|             | SO10713 | CPBAK00 |
|             | SO10712 | CINSK00 |
|             | SO10703 | CINSK00 |
|             | SO10679 | CPRRK00 |
|             | SO10678 | CPUTK00 |
|             | SO10677 | CPLAK00 |
|             | SO10676 | CINSK00 |
|             | SO10661 | CRCQK00 |
|             | SO10652 | CPDTK00 |
|             | SO10641 | CPLAK00 |
|             | SO10639 | CINSK00 |
|             | SO10631 | CINSK00 |
|             | SO10626 | CPFUK00 |
|             | SO10625 | CPRRK00 |
|             | SO10608 | CPUTK00 |
|             | SO10549 | CINSK00 |
|             | SO10512 | CINSK00 |
|             | SO10495 | CPUTK00 |
|             | SO10417 | CINSK00 |
|             | SO10405 | CIDBK00 |
|             | SO10401 | CUGRK00 |
|             | SO10165 | CUGRK00 |
|             | SO09802 | CINSK00 |
| CAR1911     | SO10553 | CUGRK00 |
|             | SO10538 | CPDTK00 |
|             | SO10532 | CRCQK00 |
|             | SO10521 | CPDTK00 |
|             | SO10514 | CINSK00 |
|             | SO10505 | CPRRK00 |
|             | SO10492 | CPDTK00 |
|             | SO10474 | CPUTK00 |
|             | SO10470 | CUTSK00 |
|             | SO10469 | CINSK00 |
|             | SO10468 | CRCQK00 |

CA DB2 Tools 20.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | SO10442 | CPFUK00 |
|             | SO10437 | CINSK00 |
|             | SO10430 | CRCQK00 |
|             | SO10390 | CPLAK00 |
|             | SO10389 | CINSK00 |
|             | SO10365 | CPRFK00 |
|             | SO10347 | CPRFK00 |
|             | SO10331 | CINSK00 |
|             | SO10323 | CINSK00 |
|             | SO10321 | CRCQK00 |
|             | SO10306 | CUGRK00 |
|             | SO10292 | CINSK00 |
|             | SO10288 | CPRFK00 |
|             | SO10281 | CINSK00 |
|             | SO10268 | CRCQK00 |
|             | SO10250 | COFSK00 |
|             | SO10248 | CIDBK00 |
|             | SO10243 | CINSK00 |
|             | SO10236 | CUTSK00 |
|             | SO10201 | CUGRK00 |
|             | SO10200 | CINSK00 |
|             | SO10175 | CPFUK00 |
|             | SO10174 | CINSK00 |
|             | SO10173 | CINSK00 |
|             | SO10071 | CTGRK00 |
|             | SO10059 | CTGRK00 |
|             | SO10007 | CPRRK00 |
|             | SO10000 | CPPAK00 |
|             | SO09999 | CINSK00 |
|             | SO09978 | CPUTK00 |
|             | SO09977 | CPFLK00 |
|             | SO09976 | CINSK00 |
|             | SO09945 | CINSK00 |
|             | SO09911 | CUGRK00 |
|             | SO09797 | CINSK00 |
| CAR1910     | SO10196 | CPUTK00 |
|             | SO10195 | CPFLK00 |
|             | SO10194 | CINSK00 |
|             | SO10163 | CRCQK00 |
|             | SO10162 | CINSK00 |
|             | SO10160 | CIDBK00 |
|             | SO10129 | CAHOK00 |
|             | SO10107 | CPFUK00 |
|             | SO10080 | CINSK00 |
|             | SO10069 | CINSK00 |
|             | SO10066 | CINSK00 |
|             | SO10061 | CINSK00 |
|             | SO10046 | CINSK00 |
|             | SO10044 | CUGRK00 |
|             | SO10043 | CPFUK00 |
|             | SO10042 | CPDAK00 |
|             | SO10041 | CINSK00 |
|             | SO10038 | CPUTK00 |
|             | SO10029 | COFSK00 |
|             | SO10028 | CINSK00 |

CA DB2 Tools 20.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | SO10023 | CPFUK00 |
|             | SO10021 | CINSK00 |
|             | SO10018 | CPDTK00 |
|             | SO10004 | CINSK00 |
|             | SO10001 | CUGRK00 |
|             | SO09974 | CUGRK00 |
|             | SO09973 | CPUTK00 |
|             | SO09954 | CPRRK00 |
|             | SO09929 | CINSK00 |
|             | SO09905 | CPRRK00 |
|             | SO09903 | CUGRK00 |
|             | SO09902 | CPUTK00 |
|             | SO09901 | CPRRK00 |
|             | SO09900 | CPFLK00 |
|             | SO09893 | CINSK00 |
|             | SO09892 | CINSK00 |
|             | SO09877 | CINSK00 |
|             | SO09867 | CUGRK00 |
|             | SO09866 | CRCCK00 |
|             | SO09865 | CRCQK00 |
|             | SO09864 | CPFRK00 |
|             | SO09863 | CPRAK00 |
|             | SO09862 | CPPAK00 |
|             | SO09861 | CPDAK00 |
|             | SO09860 | CINSK00 |
|             | SO09859 | CIDBK00 |
|             | SO09858 | CAHOK00 |
|             | SO09857 | CINSK00 |
|             | SO09854 | CPUTK00 |
|             | SO09852 | CRCQK00 |
|             | SO09851 | CINSK00 |
|             | SO09839 | CINSK00 |
|             | SO09818 | CINSK00 |
|             | SO09811 | CPDTK00 |
|             | SO09799 | CINSK00 |
|             | SO09787 | CPPAK00 |
|             | SO09786 | CPBAK00 |
|             | SO09785 | CINSK00 |
|             | SO09766 | CUGRK00 |
|             | SO09765 | CPUTK00 |
|             | SO09764 | CPFUK00 |
|             | SO09763 | CPDAK00 |
|             | SO09762 | COFSK00 |
|             | SO09761 | CINSK00 |
| CAR1909     | SO09828 | CPDTK00 |
|             | SO09796 | CINSK00 |
|             | SO09790 | CINSK00 |
|             | SO09759 | CRCQK00 |
|             | SO09748 | CUGRK00 |
|             | SO09743 | CIDBK00 |
|             | SO09742 | CUGRK00 |
|             | SO09714 | CPRAK00 |
|             | SO09708 | CIDBK00 |
|             | SO09693 | CINSK00 |
|             | SO09675 | CPFUK00 |

CA DB2 Tools 20.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S009672 | CPUTK00 |
|             | S009671 | CPRRK00 |
|             | S009662 | CPRFK00 |
|             | S009652 | CPDAK00 |
|             | S009647 | COFSK00 |
|             | S009602 | CINSK00 |
|             | S009601 | CPDTK00 |
|             | S009599 | CPRRK00 |
|             | S009595 | CUGRK00 |
|             | S009590 | CUTSK00 |
|             | S009569 | CPUTK00 |
|             | S009564 | CINSK00 |
|             | S009556 | CIDBK00 |
|             | S009546 | CINSK00 |
|             | S009519 | CIDBK00 |
|             | S009432 | CPSAK00 |
|             | S009426 | CINSK00 |
|             | S009423 | CTGRK00 |
|             | S009417 | CINSK00 |
|             | S009403 | CRCSK00 |
|             | S009378 | CPFLK00 |
|             | S009333 | CPLAK00 |
|             | S009300 | CPDAK00 |
|             | S009205 | CINSK00 |
|             | S008837 | CPRRK00 |
| CAR1908     | S009461 | CINSK00 |
|             | S009373 | CIDBK00 |
|             | S009356 | CINSK00 |
|             | S009337 | CPFUK00 |
|             | S009267 | CPSAK00 |
|             | S009261 | CINSK00 |
|             | S009253 | CPUTK00 |
|             | S009252 | CPLAK00 |
|             | S009239 | CPDTK00 |
|             | S009232 | CINSK00 |
|             | S009228 | CIDBK00 |
|             | S009188 | CUGRK00 |
|             | S009187 | CTGRK00 |
|             | S009186 | CPUTK00 |
|             | S009185 | CPRFK00 |
|             | S009184 | COFSK00 |
|             | S009183 | CINSK00 |
|             | S009180 | CPFLK00 |
|             | S009177 | CIDBK00 |
|             | S009166 | CRCUK00 |
|             | S009147 | CUGRK00 |
|             | S009146 | CINSK00 |
|             | S009135 | CPUTK00 |
|             | S009133 | CPLAK00 |
|             | S009132 | CUGRK00 |
|             | S009130 | CINSK00 |
|             | S009129 | CRCQK00 |
|             | S009128 | COFSK00 |
|             | S009126 | CINSK00 |
|             | S009125 | CINSK00 |

CA DB2 Tools 20.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S009110 | CRCXK00 |
|             | S009109 | CRCUK00 |
|             | S009108 | CPLAK00 |
|             | S009107 | CPFUK00 |
|             | S009106 | COFSK00 |
|             | S009105 | CINSK00 |
|             | S009089 | CPRRK00 |
|             | S009088 | CPDAK00 |
|             | S009083 | CPLAK00 |
|             | S009068 | CIDBK00 |
|             | S009065 | CPDTK00 |
|             | S009055 | CIDBK00 |
|             | S009054 | CIDBK00 |
|             | S009044 | CPDTK00 |
|             | S008969 | CPRFK00 |
|             | S008963 | CINSK00 |
|             | S008766 | CINSK00 |
|             | S008755 | CINSK00 |
|             | S008732 | CPUTK00 |
|             | S008540 | CINSK00 |
| CAR1907     | S009033 | CINSK00 |
|             | S009028 | CUGRK00 |
|             | S009027 | CPUTK00 |
|             | S009026 | CPRRK00 |
|             | S009025 | CPFUK00 |
|             | S009024 | CPFLK00 |
|             | S009023 | CPDAK00 |
|             | S009022 | CINSK00 |
|             | S008957 | CINSK00 |
|             | S008922 | CPRAK00 |
|             | S008899 | CUTSK00 |
|             | S008879 | CPUTK00 |
|             | S008878 | CRCQK00 |
|             | S008871 | CPUTK00 |
|             | S008870 | CPLAK00 |
|             | S008869 | CINSK00 |
|             | S008861 | CPUTK00 |
|             | S008860 | CPFUK00 |
|             | S008859 | CINSK00 |
|             | S008858 | COFSK00 |
|             | S008856 | CINSK00 |
|             | S008847 | CINSK00 |
|             | S008846 | CIDBK00 |
|             | S008843 | CUGRK00 |
|             | S008841 | CUGRK00 |
|             | S008833 | CUGRK00 |
|             | S008832 | CINSK00 |
|             | S008825 | CINSK00 |
|             | S008804 | CINSK00 |
|             | S008803 | CPUTK00 |
|             | S008802 | CPLAK00 |
|             | S008799 | CSQ2100 |
|             | S008789 | CPDTK00 |
|             | S008782 | CPUTK00 |
|             | S008762 | CTGRK00 |

CA DB2 Tools 20.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S008750 | CINSK00 |
|             | S008728 | CIDBK00 |
|             | S008684 | CINSK00 |
|             | S008668 | CUGRK00 |
|             | S008667 | CPUTK00 |
|             | S008663 | COFSK00 |
|             | S008662 | CINSK00 |
|             | S008654 | CINSK00 |
|             | S008644 | CINSK00 |
|             | S008606 | CINSK00 |
|             | S008586 | CPUTK00 |
|             | S008585 | CPFUK00 |
|             | S008584 | CPFLK00 |
|             | S008581 | CPPAK00 |
|             | S008580 | CPBAK00 |
|             | S008579 | COFSK00 |
|             | S008578 | CINSK00 |
|             | S008577 | CIDBK00 |
|             | S008576 | CSQ2100 |
|             | S008467 | CINSK00 |
|             | S008414 | CINSK00 |
|             | S008352 | CPFUK00 |
| CAR1906     | S008608 | CRCQK00 |
|             | S008466 | CUGRK00 |
|             | S008455 | CPDTK00 |
|             | S008451 | CPPAK00 |
|             | S008450 | CPBAK00 |
|             | S008446 | CPDTK00 |
|             | S008435 | COFSK00 |
|             | S008434 | CINSK00 |
|             | S008429 | CPUTK00 |
|             | S008428 | CPFLK00 |
|             | S008427 | COFSK00 |
|             | S008407 | CPFLK00 |
|             | S008406 | CINSK00 |
|             | S008403 | COFSK00 |
|             | S008393 | CPSAK00 |
|             | S008380 | CPUTK00 |
|             | S008379 | CPRRK00 |
|             | S008378 | CPFLK00 |
|             | S008377 | CINSK00 |
|             | S008330 | CINSK00 |
|             | S008323 | CPDTK00 |
|             | S008313 | CINSK00 |
|             | S008302 | CIDBK00 |
|             | S008296 | CINSK00 |
|             | S008291 | CINSK00 |
|             | S008280 | CUGRK00 |
|             | S008279 | CIDBK00 |
|             | S008278 | CINSK00 |
|             | S008262 | CINSK00 |
|             | S008244 | CPDTK00 |
|             | S008240 | CINSK00 |
|             | S008232 | CRCQK00 |
|             | S008216 | CINSK00 |

CA DB2 Tools 20.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID     |
|-------------|---------|----------|
|             | S008202 | CINSK00  |
|             | S008198 | CINSK00  |
|             | S008190 | CPSAK00  |
|             | S008128 | CINSK00  |
|             | S008074 | CRCMK00  |
| CAR1905     | S008204 | CPDTK00  |
|             | S008193 | CUGRK00  |
|             | S008137 | CUGRK00  |
|             | S008136 | CINSK00  |
|             | S008129 | CPDTK00  |
|             | S008123 | CPSAK00  |
|             | S008112 | CPFUK00  |
|             | S008109 | COFSK00  |
|             | S008101 | COFSK00  |
|             | S008083 | CPRFK00  |
|             | S008072 | CPUTK00  |
|             | S008071 | CPFLK00  |
|             | S008068 | CPFUK00  |
|             | S008051 | CINSK00  |
|             | S008025 | CPRFK00  |
|             | S008016 | CINSK00  |
|             | S008012 | CPRAK00  |
|             | S008008 | CPLAK00  |
|             | S007988 | CPDTK00  |
|             | S007986 | CPUTK00  |
|             | S007974 | CPRFK00  |
|             | S007955 | CINSK00  |
|             | S007954 | CRCQK00  |
|             | S007940 | CINSK00  |
|             | S007927 | CUTSK00  |
|             | S007924 | CPFLK00  |
|             | S007916 | CUGRK00  |
|             | S007915 | CINSK00  |
|             | S007906 | CPRAK00  |
|             | S007905 | CUGRK00  |
|             | S007904 | CAHOK00  |
|             | S007894 | CPUTK00  |
|             | S007893 | CPRRK00  |
|             | S007884 | CTGRK00  |
|             | S007856 | CINSK00  |
| CAR1904     | S007826 | CUGRK00  |
|             | S007825 | CTGRK00  |
|             | S007824 | CRCUK00  |
|             | S007823 | CRC SK00 |
|             | S007822 | CRCQK00  |
|             | S007821 | CRCMK00  |
|             | S007820 | CPUTK00  |
|             | S007819 | CPSAK00  |
|             | S007818 | CPRRK00  |
|             | S007815 | CPRFK00  |
|             | S007814 | CPPAK00  |
|             | S007813 | CPLAK00  |
|             | S007812 | CPFUK00  |
|             | S007811 | CPFLK00  |
|             | S007810 | CPDTK00  |

CA DB2 Tools 20.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S007809 | CPDAK00 |
|             | S007808 | COFSK00 |
|             | S007807 | CINSK00 |
|             | S007806 | CIDBK00 |
|             | S007804 | CAHOK00 |
|             | S007774 | CINSK00 |
|             | S007711 | CPUTK00 |
|             | S007560 | CINSK00 |
|             | S007552 | CINSK00 |
|             | S007173 | CUGRK00 |
|             | S007172 | CPUTK00 |
|             | S007171 | CPFUK00 |
|             | S007170 | CPFLK00 |
|             | S007169 | CINSK00 |
| CAR1903     | S007412 | CINSK00 |
|             | S007384 | CRCXK00 |
|             | S007383 | CRCUK00 |
|             | S007382 | CPLAK00 |
|             | S007381 | CPFUK00 |
|             | S007380 | COFSK00 |
|             | S007379 | CINSK00 |
|             | S007369 | CRCUK00 |
|             | S007323 | CINSK00 |
|             | S007204 | CPSAK00 |
| CAR1902     | S007167 | CINSK00 |
|             | S006978 | CINSK00 |
|             | S006977 | CIDBK00 |
|             | S006879 | CUGRK00 |
|             | S006878 | CRCXK00 |
|             | S006877 | CRCUK00 |
|             | S006876 | CRCSK00 |
|             | S006875 | CRCQK00 |
|             | S006874 | CPUTK00 |
|             | S006873 | CPSAK00 |
|             | S006870 | CPRFK00 |
|             | S006869 | CPPAK00 |
|             | S006868 | CPLAK00 |
|             | S006867 | CPFUK00 |
|             | S006866 | CPFLK00 |
|             | S006865 | CPDTK00 |
|             | S006864 | COFSK00 |
|             | S006863 | CINSK00 |
|             | S006862 | CIDBK00 |
|             | S006838 | CPDTK00 |
| CAR1901     | S006718 | CPLAK00 |
|             | S006638 | CINSK00 |
|             | S006619 | CPUTK00 |
|             | S006611 | CUTSK00 |
|             | S006610 | CPUTK00 |
|             | S006609 | CPRRK00 |
|             | S006608 | CINSK00 |
|             | S006582 | CPRRK00 |
|             | S006497 | CINSK00 |
|             | S006485 | CSQ2100 |
| CAR1812     | S006494 | CSQ2100 |

CA DB2 Tools 20.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S006443 | CPRFK00 |
|             | S006335 | CPSAK00 |
|             | S006334 | CPDTK00 |
|             | S006333 | CIDBK00 |
|             | S006286 | CINSK00 |
|             | S006275 | CRCQK00 |
|             | S006237 | CPDTK00 |
|             | S006132 | CUGRK00 |
|             | S006131 | CRCXK00 |
|             | S006130 | CRCUK00 |
|             | S006129 | CRCSK00 |
|             | S006128 | CRCQK00 |
|             | S006127 | CPUTK00 |
|             | S006126 | CPSAK00 |
|             | S006125 | CPRRK00 |
|             | S006122 | CPRFK00 |
|             | S006121 | CPRAK00 |
|             | S006120 | CPPAK00 |
|             | S006119 | CPLAK00 |
|             | S006118 | CPFUK00 |
|             | S006117 | CPFLK00 |
|             | S006116 | CPDTK00 |
|             | S006115 | CPDAK00 |
|             | S006114 | COFSK00 |
|             | S006113 | CINSK00 |
|             | S006112 | CIDBK00 |
| CAR1811     | S006069 | CUGRK00 |
|             | S006068 | CPUTK00 |
|             | S006067 | CINSK00 |
|             | S006064 | CPUTK00 |
|             | S006007 | CINSK00 |
|             | S005873 | CINSK00 |
|             | S005700 | CPUTK00 |
| CAR1810     | S005503 | CPFUK00 |
|             | S005502 | CPFLK00 |
|             | S005337 | CUGRK00 |
|             | S005308 | CSQ2100 |
|             | S005280 | CINSK00 |
|             | S005266 | CINSK00 |
|             | S005199 | CINSK00 |
| CAR1809     | S005237 | CINSK00 |
|             | S005102 | CPUTK00 |
|             | S005101 | CPFUK00 |
|             | S005081 | CPFLK00 |
|             | S005070 | CINSK00 |
|             | S005018 | CUGRK00 |
|             | S005017 | CTGRK00 |
|             | S005016 | CPUTK00 |
|             | S005015 | CPRRK00 |
|             | S005014 | CPLAK00 |
|             | S005013 | CPFUK00 |
|             | S005012 | CPFLK00 |
|             | S005011 | CINSK00 |
|             | S005010 | CIDBK00 |
|             | S004949 | CPUTK00 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S004948 | CPDAK00 |
|             | S004947 | CINSK00 |
|             | S004857 | CPFLK00 |
|             | S004856 | CRCMK00 |
|             | S004855 | CINSK00 |
|             | S004799 | CUGRK00 |
|             | S004798 | CPUTK00 |
|             | S004797 | CPRRK00 |
|             | S004796 | CPRAK00 |
|             | S004795 | CPLAK00 |
|             | S004794 | CINSK00 |
|             | S004757 | CPDTK00 |
|             | S004756 | CINSK00 |
| CAR1808     | S004720 | CRCUK00 |
|             | S004719 | CRCMK00 |
|             | S004718 | CINSK00 |
|             | S004475 | CUGRK00 |
|             | S004474 | CTGRK00 |
|             | S004473 | CRCXK00 |
|             | S004472 | CRCUK00 |
|             | S004471 | CRCQK00 |
|             | S004470 | CRCMK00 |
|             | S004469 | CPUTK00 |
|             | S004468 | CPSAK00 |
|             | S004467 | CPRRK00 |
|             | S004464 | CPRFK00 |
|             | S004463 | CPRAK00 |
|             | S004462 | CPPAK00 |
|             | S004461 | CPLAK00 |
|             | S004460 | CPFUK00 |
|             | S004459 | CPFLK00 |
|             | S004458 | CPDTK00 |
|             | S004457 | CPDAK00 |
|             | S004456 | COFSK00 |
|             | S004455 | CINSK00 |
|             | S004454 | CIDBK00 |
|             | S004437 | CRCQK00 |
|             | S004275 | CPFLK00 |
| CAR1807     | S004251 | CUGRK00 |
|             | S004250 | CINSK00 |
|             | S004249 | CUGRK00 |
|             | S004248 | CPUTK00 |
|             | S004247 | CPRRK00 |
|             | S004246 | CPRAK00 |
|             | S004245 | CPLAK00 |
|             | S004244 | CINSK00 |
|             | S004155 | CSQ2100 |
|             | S004129 | CINSK00 |
|             | S004048 | CUGRK00 |
|             | S004010 | CPDAK00 |
|             | S003992 | CPUTK00 |
|             | S003965 | CINSK00 |
|             | S003960 | CPDTK00 |
|             | S003959 | CINSK00 |
|             | S003942 | CPDTK00 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S003861 | CPFLK00 |
|             | S003860 | CINSK00 |
|             | S003844 | CPUTK00 |
|             | S003843 | CINSK00 |
| CAR1806     | S003816 | CUGRK00 |
|             | S003815 | CPUTK00 |
|             | S003814 | CINSK00 |
|             | S003677 | CUGRK00 |
|             | S003676 | CTGRK00 |
|             | S003587 | CINSK00 |
|             | S001905 | CINSK00 |
|             | S001896 | CINSK00 |
|             | S001855 | CUGRK00 |
|             | S001819 | CUGRK00 |
|             | S001818 | CPFUK00 |
|             | S001670 | CRCSK00 |
|             | S001641 | CPLAK00 |
| CAR1805     | S001712 | CUGRK00 |
|             | S001711 | CPUTK00 |
|             | S001668 | CUGRK00 |
|             | S001667 | CPLAK00 |
|             | S001666 | COFSK00 |
|             | S001665 | CINSK00 |
|             | S001664 | CIDBK00 |
|             | S001660 | CUGRK00 |
|             | S001659 | CPUTK00 |
|             | S001658 | CPRRK00 |
|             | S001657 | CPFUK00 |
|             | S001656 | CPFLK00 |
|             | S001655 | CINSK00 |
|             | S001635 | CPSAK00 |
|             | S001418 | CUGRK00 |
|             | S001417 | CTGRK00 |
|             | S001416 | CRCXK00 |
|             | S001415 | CRCUK00 |
|             | S001414 | CRCQK00 |
|             | S001413 | CRCMK00 |
|             | S001412 | CPXNK00 |
|             | S001411 | CPUTK00 |
|             | S001410 | CPSAK00 |
|             | S001409 | CPRRK00 |
|             | S001406 | CPRFK00 |
|             | S001405 | CPRAK00 |
|             | S001404 | CPPAK00 |
|             | S001403 | CPLAK00 |
|             | S001402 | CPFUK00 |
|             | S001401 | CPFLK00 |
|             | S001400 | CPDTK00 |
|             | S001399 | CPDAK00 |
|             | S001398 | CPBAK00 |
|             | S001397 | COFSK00 |
|             | S001396 | CINSK00 |
|             | S001395 | CIDBK00 |
| CAR1804     | S000978 | CINSK00 |
|             | S000977 | CSQ2100 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S000975 | CPLAK00 |
|             | S000894 | CUGRK00 |
|             | S000893 | CPUTK00 |
|             | S000871 | CPSAK00 |
|             | S000849 | CSQ2100 |
|             | S000848 | CUTSK00 |
|             | S000847 | CPUTK00 |
|             | S000846 | CPRRK00 |
|             | S000845 | CINSK00 |
|             | S000788 | CUGRK00 |
|             | S000787 | CPUTK00 |
|             | S000786 | CPRRK00 |
|             | S000785 | CINSK00 |
|             | S000704 | CPFLK00 |
|             | S000631 | CSQ2100 |
|             | S000081 | CPFLK00 |
| CAR1803     | S000616 | CRCUK00 |
|             | S000423 | CPDTK00 |
|             | S000343 | CINSK00 |
|             | S000295 | CPFUK00 |
|             | S000263 | CPDTK00 |
| CAR1802     | S000201 | CUGRK00 |
|             | S000077 | CIDBK00 |
|             | S000029 | CUGRK00 |
|             | S000028 | CTGRK00 |
|             | S000027 | CRCXK00 |
|             | S000026 | CRCUK00 |
|             | S000025 | CRCQK00 |
|             | S000024 | CPUTK00 |
|             | S000023 | CPRRK00 |
|             | S000022 | CPRAK00 |
|             | S000021 | CPPAK00 |
|             | S000020 | CPLAK00 |
|             | S000019 | CPFUK00 |
|             | S000018 | CPFLK00 |
|             | S000017 | CPDAK00 |
|             | S000016 | CINSK00 |
|             | S000015 | CIDBK00 |
|             | R099980 | CPDTK00 |
|             | R099979 | CINSK00 |
|             | R099968 | CSQ2100 |
|             | R099946 | CPDTK00 |
|             | R099899 | CSQ2100 |
| CAR1801     | R099853 | CRCXK00 |
|             | R099748 | CINSK00 |
|             | R099574 | CUGRK00 |
|             | R099573 | CTGRK00 |
|             | R099572 | CRCXK00 |
|             | R099571 | CRCUK00 |
|             | R099570 | CRCSK00 |
|             | R099569 | CRCQK00 |
|             | R099568 | CRCMK00 |
|             | R099567 | CPXNK00 |
|             | R099566 | CPUTK00 |
|             | R099565 | CPSAK00 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | RO99562 | CPRFK00 |
|             | RO99561 | CPRAK00 |
|             | RO99560 | CPPAK00 |
|             | RO99559 | CPLAK00 |
|             | RO99558 | CPFUK00 |
|             | RO99557 | CPFLK00 |
|             | RO99556 | CPDTK00 |
|             | RO99555 | CPDAK00 |
|             | RO99554 | COFSK00 |
|             | RO99553 | CINSK00 |
|             | RO99552 | CIDBK00 |
| CAR1712     | RO99195 | CPRFK00 |
|             | RO98970 | CUTSK00 |
|             | RO98969 | CPUTK00 |
|             | RO98968 | CPRRK00 |
|             | RO98967 | CINSK00 |
|             | RO98859 | CINSK00 |
|             | RO98853 | CPDTK00 |
|             | RO98430 | CPSAK00 |
|             | RO98429 | CPDTK00 |
|             | RO98428 | CIDBK00 |
| CAR1711     | RO98496 | CPRFK00 |
|             | RO98251 | CPSAK00 |
|             | RO98088 | CPDTK00 |
|             | RO98087 | CINSK00 |
| CAR1710     | RO98041 | CSQ2100 |
|             | RO97923 | CPDTK00 |
|             | RO97922 | CINSK00 |
|             | RO97825 | CPSAK00 |
|             | RO97824 | CPDTK00 |
|             | RO97823 | CINSK00 |
|             | RO97722 | CUGRK00 |
|             | RO97721 | CRCUK00 |
|             | RO97720 | CRCSK00 |
|             | RO97719 | CRCQK00 |
|             | RO97718 | CRCMK00 |
|             | RO97717 | CPUTK00 |
|             | RO97716 | CPSAK00 |
|             | RO97715 | CPRRK00 |
|             | RO97712 | CPRFK00 |
|             | RO97711 | CPRAK00 |
|             | RO97710 | CPPAK00 |
|             | RO97709 | CPLAK00 |
|             | RO97708 | CPFLK00 |
|             | RO97707 | CPDTK00 |
|             | RO97706 | CPDAK00 |
|             | RO97705 | COFSK00 |
|             | RO97704 | CINSK00 |
|             | RO97703 | CIDBK00 |
| CAR1709     | RO97683 | CIDBK00 |
|             | RO97376 | CSQ2100 |
| CAR1708     | RO97169 | CSQ2100 |
|             | RO97090 | CSQ2100 |
|             | RO96595 | CUGRK00 |
|             | RO96594 | CRCUK00 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | RO96593 | CRCQK00 |
|             | RO96592 | CRCMK00 |
|             | RO96591 | CPXNK00 |
|             | RO96590 | CPUTK00 |
|             | RO96589 | CPSAK00 |
|             | RO96588 | CPRRK00 |
|             | RO96585 | CPRFK00 |
|             | RO96584 | CPPAK00 |
|             | RO96583 | CPLAK00 |
|             | RO96582 | CPFUK00 |
|             | RO96581 | CPFLK00 |
|             | RO96580 | CPDTK00 |
|             | RO96579 | CPDAK00 |
|             | RO96578 | CPBAK00 |
|             | RO96577 | COFSK00 |
|             | RO96576 | CINSK00 |
|             | RO96575 | CIDBK00 |
| CAR1707     | RO96495 | CSQ2100 |
|             | RO96401 | CUTSK00 |
| CAR1706     | RO96169 | CPSAK00 |
|             | RO96168 | CPDTK00 |
|             | RO96167 | CINSK00 |
|             | RO96162 | CPDAK00 |
|             | RO96102 | CSQ2100 |
|             | RO96005 | CUTSK00 |
|             | RO96002 | CUGRK00 |
|             | RO95972 | CUTSK00 |
|             | RO95918 | CUTSK00 |