

Service	Description	Type
LU01357	S878 ABEND WHEN MIGRATING RECURSIVE FUNCTIONS	PTF
LU01362	THREAD IN APPL NOT TERMINATED/DUPLICATE THREAD TERM ATTEMPTS	PTF
LU01405	FIXED POTENTIAL SQL=-438 ERROR WHEN USING RECOVERY ESTIMATOR	PTF
LU01508	DDL00408 ISSUED WHEN ANALYZING CREATE TRIGGER ICL	PTF
LU01513	EXCEPTION SYSTEM NOT POPULATING SOME FIELDS IN QTGS SECTION	PTF
LU01525	DATA COLLECTOR STORAGE SHORTAGE AFTER S016116	** PRP **
LU01526	ADD CODE LEVEL TO DB2L PRIMARY COMMAND IN ONLINE AND BATCH	PTF
LU01534	SOC4 IN FRL@MERG DURING MERGECOPY WITH ERROR PFR0146E	PTF
LU01538	SOC4 WHEN LOBDATA INCLUDED	PTF
LU01541	HIGH ECSA USAGE	PTF
LU01542	HIGH ECSA USAGE	PTF
LU01543	HIGH ECSA USAGE	PTF
LU01550	IMPROVEMENTS TO EXPLAIN AND STMT CATALOG SEARCH CONDITIONS	PTF
LU01551	IMPROVEMENTS TO EXPLAIN AND STMT CATALOG SEARCH CONDITIONS	PTF
LU01556	ABEND SOC1 ADDRESS 00000002 IN ABEND RECOVERY W/ZIIP-USE=YES	PTF
LU01575	ADD SUPPORT FOR NEW COMMANDS IN THE DB2 COMMAND PROCESSOR	PTF
LU01581	EXCEPTION VARIABLE &TOKNXX NOT POPULATED FOR SQL EXCEPTIONS	PTF
LU01610	NEW IDB2/PROMETHEUS/GENERIC ENDPOINT IN DBM-DS	PTF
LU01625	RAISE RETURN CODE WHEN SQL ERROR IS ENCOUNTERED DURING RTOS	PTF
LU01626	RAISE RETURN CODE WHEN SQL ERROR IS ENCOUNTERED DURING RTOS	PTF
LU01648	ABEND OC4 IN PXMRTL	PTF
LU01666	ABEND SOC4-4 CSECT NPASERC WHEN WHERE CLAUSE EXCEEDS 4K	PTF
LU01673	SOC4 ABEND RECOVERY ESTIMATOR WHEN USING 'LOGONLY' KEYWORD	PTF
LU01683	ISQL HALTS EXECUTION FOR A DB2 SQL WARNING	PTF
LU01694	VIEWS WRONG ORDER IF GC CODE VWTC/VWFS/VWFN NOT SET	PTF
LU01695	UPDATE PRA#@HCA MODULE FOR ROUTINE LEVEL SET RETURN CODES	PTF
LU01696	SQL=-438 ERROR PERSISTS WITH SOME ESTIMATOR OPTIONS	** PRP **
LU01705	ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY	PTF
LU01706	ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY	PTF
LU01717	PREVIEW SIMULATE OPTIONS STATEMENT SUPPORT	PTF
LU01720	BROKEN PAGE AFTER FAST LOAD OF A LOB TABLESPACE	PTF
LU01727	PFU ISSUES PFU0478E DATA TYPE 000 FOR COLUMN: XXX IS UNKNOWN	PTF
LU01732	SUBSYSTEM ANALYZER MAY TAKE AN ABEND DURING STARTUP	PTF
LU01750	CPU OPTIMIZATION IN DATASHAREABLE ENVIRONMENT	PTF
LU01757	S378-14 OR SOC4 ABEND MIGHT OCCUR AT XMANAGER SHUTDOWN	PTF
LU01760	PLEXINTV UPPER LIMIT CHANGED TO 9999.	PTF
LU01799	INCORRECT INTERVAL TIME WHEN AGGREGATING HISTORIC INTERVALS	PTF
LU01829	NEW FILTER FIELD IN DATASHAREABLE LOCKDETL REQUEST	PTF
LU01837	MTC DBM POST INSTALL FIX TO SUPPORT REXX ALTERNATE LIBRARIES	PTF
LU01841	AN SOC4 ABEND DURING INTERVAL CHANGE	PTF
LU01860	FATAL ERROR WHEN PROCESSING %TSSET VARIABLE IN QUIESCE MODEL	PTF
LU01869	MORE CONTENT OF GRANT/REVOKE IN OBJECT LEVEL REPORT	PTF
LU01891	NEW STRATEGY HVERSION OPTION FOR COMPARE EXPLAIN VERSION	PTF
LU01892	NEW STRATEGY HVERSION OPTION FOR COMPARE EXPLAIN VERSION	PTF
LU01893	SOC1 OR SOC4 ABEND DURING INCREMENTAL QUICK COPY	PTF

CA DB2 Tools
CA RS 2107 Service List for CIDBK00

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FMID	Service	Description	Type
CIDBK00	LU01513	EXCEPTION SYSTEM NOT POPULATING SOME FIELDS IN QTGS SECTION	PTF
	LU01525	DATA COLLECTOR STORAGE SHORTAGE AFTER S016116	** PRP **
	LU01541	HIGH ECSA USAGE	PTF
	LU01556	ABEND SOC1 ADDRESS 00000002 IN ABEND RECOVERY W/ZIIP-USE=YES	PTF
	LU01581	EXCEPTION VARIABLE &TTOKNXX NOT POPULATED FOR SQL EXCEPTIONS	PTF
	LU01666	ABEND SOC4-4 CSECT NPARSERC WHEN WHERE CLAUSE EXCEEDS 4K	PTF
	LU01750	CPU OPTIMIZATION IN DATASHAREABLE ENVIRONMENT	PTF
	LU01829	NEW FILTER FIELD IN DATASHAREABLE LOCKDETL REQUEST	PTF
The CA RS 2107 service count for this FMID is 8			

CA DB2 Tools
CA RS 2107 Service List for CINSK00

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FMID	Service	Description	Type
CINSK00	LU01357	S878 ABEND WHEN MIGRATING RECURSIVE FUNCTIONS	PTF
	LU01362	THREAD IN APPL NOT TERMINATED/DUPLICATE THREAD TERM ATTEMPTS	PTF
	LU01405	FIXED POTENTIAL SQL=-438 ERROR WHEN USING RECOVERY ESTIMATOR	PTF
	LU01508	DDL00408 ISSUED WHEN ANALYZING CREATE TRIGGER ICL	PTF
	LU01526	ADD CODE LEVEL TO DB2L PRIMARY COMMAND IN ONLINE AND BATCH	PTF
	LU01550	IMPROVEMENTS TO EXPLAIN AND STMT CATALOG SEARCH CONDITIONS	PTF
	LU01575	ADD SUPPORT FOR NEW COMMANDS IN THE DB2 COMMAND PROCESSOR	PTF
	LU01610	NEW IDB2/PROMETHEUS/GENERIC ENDPOINT IN DBM-DS	PTF
	LU01625	RAISE RETURN CODE WHEN SQL ERROR IS ENCOUNTERED DURING RTOS	PTF
	LU01648	ABEND 0C4 IN PXMRTL	PTF
	LU01673	SOC4 ABEND RECOVERY ESTIMATOR WHEN USING 'LOGONLY' KEYWORD	PTF
	LU01683	ISQL HALTS EXECUTION FOR A DB2 SQL WARNING	PTF
	LU01694	VIEWS WRONG ORDER IF GC CODE VWTC/VWFS/VWFN NOT SET	PTF
	LU01696	SQL=-438 ERROR PERSISTS WITH SOME ESTIMATOR OPTIONS	** PRP **
	LU01705	ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY	PTF
	LU01757	S378-14 OR SOC4 ABEND MIGHT OCCUR AT XMANAGER SHUTDOWN	PTF
	LU01760	PLEXINTV UPPER LIMIT CHANGED TO 9999.	PTF
	LU01837	MTC DBM POST INSTALL FIX TO SUPPORT REXX ALTERNATE LIBRARIES	PTF
	LU01891	NEW STRATEGY HVERSION OPTION FOR COMPARE EXPLAIN VERSION	PTF
The CA RS 2107 service count for this FMID is 19			

CA DB2 Tools
CA RS 2107 Service List for CPDAK00

FMID	Service	Description	Type
CPDAK00	LU01626	RAISE RETURN CODE WHEN SQL ERROR IS ENCOUNTERED DURING RTOS	PTF
	LU01860	FATAL ERROR WHEN PROCESSING %TSSET VARIABLE IN QUIESCE MODEL	PTF
The CA RS 2107 service count for this FMID is 2			

CA DB2 Tools
CA RS 2107 Service List for CPDTK00

FMID	Service	Description	Type
CPDTK00	LU01542	HIGH ECSA USAGE	PTF
	LU01799	INCORRECT INTERVAL TIME WHEN AGGREGATING HISTORIC INTERVALS	PTF
	LU01841	AN SOC4 ABEND DURING INTERVAL CHANGE	PTF
The CA RS 2107 service count for this FMID is 3			

CA DB2 Tools
CA RS 2107 Service List for CPFLK00

FMID	Service	Description	Type
CPFLK00	LU01720	BROKEN PAGE AFTER FAST LOAD OF A LOB TABLESPACE	PTF
The CA RS 2107 service count for this FMID is 1			

CA DB2 Tools
CA RS 2107 Service List for CPFUK00

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FMID	Service	Description	Type
CPFUK00	LU01727	PFU ISSUES PFU0478E DATA TYPE 000 FOR COLUMN: XXX IS UNKNOWN	PTF
The CA RS 2107 service count for this FMID is 1			

CA DB2 Tools
CA RS 2107 Service List for CPLAK00

FMID	Service	Description	Type
CPLAK00	LU01538	SOC4 WHEN LOBDATA INCLUDED	PTF
	LU01869	MORE CONTENT OF GRANT/REVOKE IN OBJECT LEVEL REPORT	PTF
The CA RS 2107 service count for this FMID is 2			

CA DB2 Tools
CA RS 2107 Service List for CPPAK00

FMID	Service	Description	Type
CPPAK00	LU01551	IMPROVEMENTS TO EXPLAIN AND STMT CATALOG SEARCH CONDITIONS	PTF
	LU01892	NEW STRATEGY HVERSION OPTION FOR COMPARE EXPLAIN VERSION	PTF
The CA RS 2107 service count for this FMID is 2			

CA DB2 Tools
CA RS 2107 Service List for CPRAK00

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FMID	Service	Description	Type
CPRAK00	LU01695	UPDATE PRA#@HCA MODULE FOR ROUTINE LEVEL SET RETURN CODES	PTF
The CA RS 2107 service count for this FMID is 1			

CA DB2 Tools
CA RS 2107 Service List for CPSAK00

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FMID	Service	Description	Type
CPSAK00	LU01543	HIGH ECSA USAGE	PTF
	LU01732	SUBSYSTEM ANALYZER MAY TAKE AN ABEND DURING STARTUP	PTF
The CA RS 2107 service count for this FMID is 2			

CA DB2 Tools
CA RS 2107 Service List for CRCQK00

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FMID	Service	Description	Type
CRCQK00	LU01706	ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY	PTF
The CA RS 2107 service count for this FMID is 1			

CA DB2 Tools
CA RS 2107 Service List for CUGRK00

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FMID	Service	Description	Type
CUGRK00	LU01534	SOC4 IN FRL@MERG DURING MERGECOPY WITH ERROR PFR0146E	PTF
	LU01717	PREVIEW SIMULATE OPTIONS STATEMENT SUPPORT	PTF
	LU01893	SOC1 OR SOC4 ABEND DURING INCREMENTAL QUICK COPY	PTF
The CA RS 2107 service count for this FMID is 3			

Service	Details
LU01357	LU01357 M.C.S. ENTRIES = ++PTF (LU01357) S878 ABEND WHEN MIGRATING RECURSIVE FUNCTIONS PROBLEM DESCRIPTION: In CA RC/Migrator for DB2 for z/OS (RCM), analyzing a migration strategy to migrate procedures and functions may end with a S878 abend if one of the functions is recursive. SYMPTOMS: SYSTEM COMPLETION CODE=878 REASON CODE=00000010 TIME=12.26.06 SEQ=13826 CPU=4002 ASID=00BD PSW AT TIME OF ERROR 070C1000 813FB590 ILC 2 INTC 0D NO ACTIVE MODULE FOUND NAME=UNKNOWN DATA AT PSW 013FB58A - 00181610 0A0D18CE 18FB180C IMPACT: Customer may not be able to migrate procedures and functions. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA RC/Migrator for DB2 for z/OS Version 20.0 Related Problem: RCM 13723 Copyright (C) 2021 CA. All rights reserved. R01445-D200-SP1 DESC(S878 ABEND WHEN MIGRATING RECURSIVE FUNCTIONS). ++VER (Z038) FMID (CINSK00) PRE (LU00446 R096576 R097704 R099553 S001396 S004455 S004718 S006638 S006863 S007379 S008606 S009105 S011691 S011966 S012361 S012933 S013154 S015804) SUP (LT01357 S011988 ST11988)

Service	Details
LU01362	LU01362 M.C.S. ENTRIES = ++PTF (LU01362) THREAD IN APPL NOT TERMINATED/DUPLICATE THREAD TERM ATTEMPTS PROBLEM DESCRIPTION: Thread Termination/Dynamic DSNZPARM for DB2 for z/OS (PTT) may not terminate a Db2 thread that is running in an application when any of the following conditions are true: - The "D" option is entered on the Thread Terminator Terminate Threads display. - The PTT batch job attempts to terminate the thread via the "SOFT" option. - The PTT thread monitor attempts to terminate the thread via the "SOFT" option. Additionally, PTT will fail to terminate a distributed thread when any of the following conditions are true: - The "K" option is entered for the distributed thread on the Thread Terminator Terminate Threads display. - The PTT thread monitor attempts to terminate a distributed thread via the "HARD" option. Also, the PTT thread monitor may make superfluous attempts to terminate a Db2 thread matching a particular termination profile. SYMPTOMS: A Db2 thread that has been selected for termination via PTT continues to appear on the Thread Terminator Active Threads Display. After execution in the application completes and the application attempts to execute another SQL statement via the Db2 thread, SQL execution does not fail because the Db2 thread has not been terminated. Each time that the PTT thread monitor wakes up, it makes another attempt to terminate a Db2 thread that it previously attempted to terminate. IMPACT: A Db2 thread may not be terminated. The Xmanager's PTTLOG may become cluttered with duplicate thread termination messages from the thread monitor. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: PTT 13505 Copyright (C) 2021 CA. All rights reserved. R01446-D200-SP1 DESC(THREAD IN APPL NOT TERMINATED/DUPLICATE THREAD TERM ATTEMPTS). ++VER (Z038) FMID (CINSK00) PRE (R096576 R099979 S001396 S012396 S014874) SUP (LT01362) ++HOLD (LU01362) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (21155) COMMENT (+-----+ CA DBM Solutions for DB2 for z/OS Base In Version 20.0 +-----+ SEQUENCE Before Apply +-----+

Service	Details
	<pre> 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.). CSECT(TT#BMNCC,ERRTBLE). </pre>

Service	Details
LU01405	LU01405 M.C.S. ENTRIES = ++PTF (LU01405) FIXED POTENTIAL SQL=-438 ERROR WHEN USING RECOVERY ESTIMATOR PROBLEM DESCRIPTION: Fixed an issue where using the Recovery Estimator could result in RC=8 and SQL=-438. SYMPTOMS: RC=8 and SQL=-438 IMPACT: The Recovery Estimator does not finish properly CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install

Service	Details
	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.).

Service	Details
LU01508	LU01508 M.C.S. ENTRIES = ++PTF (LU01508) DDL00408 ISSUED WHEN ANALYZING CREATE TRIGGER ICL PROBLEM DESCRIPTION: In CA RC/Migrator for DB2 for z/OS (RCM), an ICL analysis may issue a DDL00408 message if the ICL is for trigger and one of the words in the ICL includes 'END' in it. SYMPTOMS: RMA254E SYNTAX ERRORS WERE FOUND. PLEASE CHECK OUTPUT DDL FILE FOR MORE INFORMATION ON THE ERRORS. DDL00408: TRIGGER cannot be created because TABLE SYSTCU.HENVNDELSE does not exist. IMPACT: The execution of the DDL may fail. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA RC/Migrator for DB2 for z/OS Version 20.0 Related Problem: RCM 13863 Copyright (C) 2021 CA. All rights reserved. R01460-D200-SP1 DESC(DDL00408 ISSUED WHEN ANALYZING CREATE TRIGGER ICL). ++VER (Z038) FMID (CINSK00) PRE (LU00432 LU00446 S004455 S004718 S006863 S007379 S007807 S009105 S011966 S012361 S012933 S014125 S014832 S015804) SUP (LT01508 S010021 S016176 ST10021 ST16176)

Service	Details
LU01513	LU01513 M.C.S. ENTRIES = ++PTF (LU01513) EXCEPTION SYSTEM NOT POPULATING SOME FIELDS IN QTGS SECTION PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) does not populate the XES-SYNC-LK-FAIL field (DB2 field QTGSCREJ) in the exception system. This field is located in the global locking statistics section of STATS2 (IFCID 2). SYMPTOMS: The exceptions based on QTGSCREJ always show a value of 0 IMPACT: Cannot use the QTGSCREJ field for exceptions. CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 13828 Copyright (C) 2021 CA. All rights reserved. R01461-D200-SP1 DESC(EXCEPTION SYSTEM NOT POPULATING SOME FIELDS IN QTGS SECTION). ++VER (Z038) FMID (CIDBK00) PRE (LU01175 S001395 S001664 S004454 S006112 S006862 S007806 S008846 S010906 S012536 S012769 S013557 S015647) SUP (LT01513) CSECT (AMXSSXC,AMXSSX) . CSECT (AMXSSXC,AMXSSX) . CSECT (AMXSSXC,AMXSSX) .

Service	Details
LU01525	LU01525 M.C.S. ENTRIES = ++PTF (LU01525) DATA COLLECTOR STORAGE SHORTAGE AFTER SO16116 PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) data collector may run low on storage after application of PTF SO16116. SYMPTOMS: DBG98004I CA SYSVIEW FOR DB2 LOW ON VIRTUAL STORAGE IMPACT: The data collector abnormally terminates and must be restarted. CIRCUMVENTION: Connect locally, instead of through RAF. This will minimize the likelihood of the problem occurring. The VTAM-COMPRESS=NO option may circumvent the problem. PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 13848 Copyright (C) 2021 CA. All rights reserved. R01463-D200-SP1 DESC(DATA COLLECTOR STORAGE SHORTAGE AFTER SO16116). ++VER (Z038) FMID (CIDBK00) PRE (R097703 S001395 S004454 S006862 S008846 S010160 SO16116) SUP (AS16116 LT01525)

Service	Details
LU01526	LU01526 M.C.S. ENTRIES = ++PTF (LU01526) ADD CODE LEVEL TO DB2L PRIMARY COMMAND IN ONLINE AND BATCH ENHANCEMENT DESCRIPTION: This enhancement of the CA Database Management Solutions for DB2 for z/OS enhances the primary command DB2L with code level information in online and batch environments. Example: PTPDB2L ----- DB2 Continuous Delivery levels ----- DB2 SSID ==> DB01 DB2 SETUP00 Catalog Level : V12R1M505 SSIDVERC : V12R1M505 Function Level : V12R1M505* SSIDVERF : V12R1M505* Previous Highest : V12R1M506 Code Level : V12R1M508 PRODUCT(S) AFFECTED: CA Database Management Solutions for DB2 for z/OS Version 20.0 Related Problem: GEN 13706 Copyright (C) 2021 CA. All rights reserved. R01464-D200-SP1 DESC(ADD CODE LEVEL TO DB2L PRIMARY COMMAND IN ONLINE AND BATCH). ++VER (Z038) FMID (CINSK00) PRE (LU00839 LU01106 R097704 R099553 S004455 S006608 S007807 S009205 S009860 S010162 S010173 S010323 S011333 S011684 S013340 S013484 S013711 S015980) SUP (LT01526) ++HOLD (LU01526) SYSTEM FMID(CINSK00) REASON (MSGSKEL) DATE (21165) COMMENT (<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. </pre>

Service	Details
	Refer to the Post Installation and Customization Guide for details.). ++HOLD (LU01526) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (21165) COMMENT (+-----+ CA DBM Solutions for DB2 for z/OS Base Install 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.). CSECT(PTCDB2L@) .

Service	Details
LU01534	LU01534 M.C.S. ENTRIES = ++PTF (LU01534) SOC4 IN FRL@MERG DURING MERGECOPY WITH ERROR PFR0146E PROBLEM DESCRIPTION: CA Merge/Modify for DB2 for z/OS (PMM) may abend with SOC4 in FRL@MERG when MERGECOPY is requested to merge full and incremental copies. SYMPTOMS: SOC4 in FRL@MERG module PFR0146E - MODULE FRL@MERG HAS ABENDED This Error has Occurred in CSECT - MMA@DRIV IMPACT: MERGECOPY may not work as expected. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Merge/Modify for Db2 for z/OS Version 20.00 Related Problem: PMM 13752 Copyright (C) 2021 CA. All rights reserved. R01466-D200-SP1 DESC(SOC4 IN FRL@MERG DURING MERGECOPY WITH ERROR PFR0146E). ++VER (Z038) FMID (CUGRK00) PRE (LU00728) SUP (LT01127 LT01534 LU01127)

Service	Details
LU01538	LU01538 M.C.S. ENTRIES = ++PTF (LU01538) SOC4 WHEN LOBDATA INCLUDED PROBLEM DESCRIPTION: CA Log Analyzer for Db2 for z/OS DML and DDL reports may fail with SOC4 abend when option LOBDATA is INCLUDE. SYMPTOMS: Similar output appears in the joblog: PSW AT TIME OF ERROR 078D2000 BB25E1F0 ILC 6 INTC 11 ACTIVE MODULE ADDRESS=00000000_3B25E000 OFFSET=000001F0 NAME=LAL@FLOB DATA AT PSW 3B25E1EA - 50004780 C204D516 E014D1F0 AR/GR 0: 00000000/00005FBC 1: 00000000/0001D28E 2: FFFFFFFF/0001B000 3: FFFFFFFF/3B9F94A8 4: FFFFFFFF/3B9B9105 5: FFFFFFFF/3BC51FBC 6: FFFFFFFF/3BC3B000 7: FFFFFFFF/00000000 8: FFFFFFFF/3B9B9000 9: FFFFFFFF/000061D8 A: FFFFFFFF/00115D38 B: FFFFFFFF/3BBEACAC C: FFFFFFFF/BB25E000 D: FFFFFFFF/3B25E4F8 E: 00000000/20204946 F: 00000000/000080E7 IMPACT: User cannot generate DML or DDL report with LOBDATA (INCLUDE). CIRCUMVENTION: Run the job with LOBDATA (EXCLUDE) option. PRODUCT(S) AFFECTED: CA Log Analyzer for DB2 for z/OS Version 20.0 Related Problem: PLA 12736 Copyright (C) 2021 CA. All rights reserved. R01467-D200-SP1 DESC(SOC4 WHEN LOBDATA INCLUDED). ++VER (Z038) FMID (CPLAK00) PRE (LU00132 LU00356 LU00597 LU00759 LU00882 LU00940 LU01040 LU01043 LU01180 LU01385 R096583 R097709 R099559 S000020 S000975 S001403 S004245 S004461 S004795 S006119 S006718 S006868 S007813 S008008 S008802 S008870 S009133 S009252 S009333 S010390 S010641 S010677 S011113 S011583 S011669 S012487 S012763 S012797 S012889 S012900 S013009 S013625 S013879 S014033 S014137 S014866 S015064 S015220 S015456 S015895 S016075) SUP (LT00480 LT01415 LT01538 LU00480 LU01415 S015531 ST15531) ++HOLD (LU01538) SYSTEM FMID(CPLAK00) REASON (DB2BIND) DATE (21155) COMMENT (+-----+ CA Log Analyzer for DB2 for z/OS Version 20.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Bind Plans and Packages +-----+

Service	Details
	<pre> 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.). ++HOLD (LU01538) SYSTEM FMID(CPLAK00) REASON (MSGSKEL) DATE (21155) COMMENT (+-----+ CA Log Analyzer 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.). CSECT (LAA\$FORM,#@XFCALN) . CSECT (LAA@CARD,LAA@MTHB,LAA@TRTB) . </pre>

Service	Details
	CSECT (LAA@DFTS, #@XFCALN) .
	CSECT (LAA@LGA2, PTIDECF) .
	CSECT (LAA@LOGA, PTIDECF) .
	CSECT (LAA@NLOG, #@XFCALN) .
	CSECT (LAA@OPTS, #@XFCALN) .
	CSECT (LAA@RCDC, #@XFCALN) .
	CSECT (LAA@RCMD, #@XFCALN) .
	CSECT (LAA@RDDD, #@XFCALN, LAIXMSG) .
	CSECT (LAA@RDDF, #@XFCALN, SYMSECT) .
	CSECT (LAA@RDDS, #@XFCALN) .
	CSECT (LAA@RDMF, #@XFCALN) .
	CSECT (LAA@RDML, #@XFCALN, LAIXMSG) .
	CSECT (LAA@RDMS, #@XFCALN, LAIXMSG) .
	CSECT (LAA@RIC, #@XFCALN) .
	CSECT (LAA@RRBD, #@XFCALN) .
	CSECT (LAA@RRPA, #@XFCALN) .
	CSECT (LAA@SMDF, #@XFCALN) .
	CSECT (LAA@SMFA, LAA@SMFD) .
	CSECT (LAA@SMFM, T0140A, T0140B, T0141A, T0145A, T0055A, T0083A, PTIDECF) .
	CSECT (LAA@SQL, #@XFCALN) .
	CSECT (LAA@TBC1, PTIDECF) .

Service	Details
LU01541	LU01541 M.C.S. ENTRIES = ++PTF (LU01541) HIGH ECSA USAGE PROBLEM DESCRIPTION: CA Detector for DB2 for z/OS (PDT) may cause high ECSA usage when collections run for long period of time. SYMPTOMS: ECSA usage on the LPAR increases but can not be directly linked to Detector - and may be seen as associated with jobs that have terminated. IMPACT: ECSA may become constrained. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: CA Detector for DB2 for z/OS Version 20.0 Related Problem: PDT 13116 Copyright (C) 2021 CA. All rights reserved. R01468-D200-SP1 DESC(HIGH ECSA USAGE). ++VER (Z038) FMID (CIDBK00) PRE (LU00299 R098428 S001395 S004454 S006333 S011693 S012428 S014016 S014642 S014843) SUP (LT01541 ST10533 ST13775 TR98366) ++IF FMID(CPDTK00) REQ(LU01542) . ++IF FMID(CPSAK00) REQ(LU01543) . ++HOLD (LU01541) SYSTEM FMID(CIDBK00) REASON (RESTART) DATE (21169) COMMENT (<pre> +-----+ CA SYSVIEW Performance Management Option 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: </pre>

Service	Details
	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.).

Service	Details
LU01542	LU01542 M.C.S. ENTRIES = ++PTF (LU01542) HIGH ECSA USAGE PROBLEM DESCRIPTION: CA Detector for DB2 for z/OS (PDT) may cause high ECSA usage when collections run for long period of time. SYMPTOMS: ECSA usage on the LPAR increases but can not be directly linked to Detector - and may be seen as associated with jobs that have terminated. IMPACT: ECSA may become constrained. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: CA Detector for DB2 for z/OS Version 20.0 Related Problem: PDT 13116 Copyright (C) 2021 CA. All rights reserved. R01468-D200-SP1 DESC(HIGH ECSA USAGE). ++VER (Z038) FMID (CPDTK00) PRE (LU00124 LU00402 LU00524 LU00549 LU00938 LU01002 R096168 R096580 R097707 R098429 R099556 S001400 S003942 S004458 S004757 S006116 S006334 S006865 S007810 S007988 S008129 S010908 S011694 S012429 S012538 S013887 S014267 S014782 S014860 S015395 S016174) SUP (AS06334 AS07810 AS08129 AS10908 AS11694 AS13450 AS13887 AS13889 AS15395 AS16113 BS07810 CC97644 LT00176 LT00240 LT00307 LT00329 LT00684 LT00768 LT01214 LT01215 LT01393 LT01467 LT01542 LU00176 LU00240 LU00329 LU00684 LU00768 LU01215 LU01393 LU01467 R099946 SI12388 SI14306 S000263 S000423 S006838 S008323 S008446 S008789 S009044 S009065 S009239 S009601 S009811 S009828 S010018 S010492 S010521 S010538 S010652 S011499 S011717 S011983 S012131 S012426 S012821 S012921 S013074 S013450 S013655 S013761 S013889 S014235 S014338 S014397 S014680 S015073 S015199 S015499 S015573 S015723 S015843 S015927 S016113 ST00263 ST00423 ST06838 ST07220 ST07988 ST08323 ST08446 ST08789 ST09044 ST09065 ST09239 ST09601 ST09811 ST09828 ST10018 ST10492 ST10521 ST10534 ST10536 ST10538 ST10652 ST10809 ST10862 ST10904 ST11499 ST11717 ST11928 ST11983 ST12131 ST12426 ST12821 ST12823 ST12921 ST13074 ST13450 ST13655 ST13761 ST13776 ST13889 ST14235 ST14338 ST14397 ST14680 ST15073 ST15199 ST15499 ST15573 ST15723 ST15843 ST15927 ST16113 TR99946) ++IF FMID(CPSAK00) REQ(LU01543) . ++IF FMID(CIDBK00) REQ(LU01541) . ++HOLD (LU01542) SYSTEM FMID(CPDTK00)

Service	Details
	REASON (RESTART) DATE (21169) COMMENT (<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>

Service	Details
LU01543	LU01543 M.C.S. ENTRIES = ++PTF (LU01543) HIGH ECSA USAGE PROBLEM DESCRIPTION: CA Detector for DB2 for z/OS (PDT) may cause high ECSA usage when collections run for long period of time. SYMPTOMS: ECSA usage on the LPAR increases but can not be directly linked to Detector - and may be seen as associated with jobs that have terminated. IMPACT: ECSA may become constrained. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: CA Detector for DB2 for z/OS Version 20.0 Related Problem: PDT 13116 Copyright (C) 2021 CA. All rights reserved. R01468-D200-SP1 DESC(HIGH ECSA USAGE). ++VER (Z038) FMID (CPSAK00) PRE (R097716 R098430 S000871 S004468 S006335 S009267 S010867 S011695 S012926) SUP (LT01543 ST10535 ST10810 ST10863 ST10905 ST13777 TR98368) ++IF FMID(CPDTK00) REQ(LU01542) . ++IF FMID(CIDBK00) REQ(LU01541) . ++HOLD (LU01543) SYSTEM FMID(CPSAK00) REASON (RESTART) DATE (21169) COMMENT (<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: </pre>

Service	Details
	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.).

Service	Details
LU01550	LU01550 M.C.S. ENTRIES = ++PTF (LU01550) IMPROVEMENTS TO EXPLAIN AND STMT CATALOG SEARCH CONDITIONS ENHANCEMENT DESCRIPTION: Added improvements to Explain search condition and Statement catalog reporting for search condition elements Functions, Aggregate functions and Scalar functions PRODUCT(S) AFFECTED: CA Plan Analyzer for DB2 for z/OS Version 20.0 Related Problem: PPADB2 13782 Copyright (C) 2021 CA. All rights reserved. R01469-D200-SP1 DESC(IMPROVEMENTS TO EXPLAIN AND STMT CATALOG SEARCH CONDITIONS). ++VER (Z038) FMID (CINSK00) PRE (S001396 S012650) SUP (LT01491 LT01550) ++IF FMID(CPPAK00) REQ(LU01551) . CSECT(PPA#C,SCMAJOG,COMSCECT,FUNCSECT,RCORRCST,SPRGSECT,SPREGCST, DURWCST,PWRDCST,BTAB,RESCSECT,RCORECT,#CTRTRNUM,#CTRTRL1, #CTRTRL2) .

Service	Details
LU01551	LU01551 M.C.S. ENTRIES = ++PTF (LU01551) IMPROVEMENTS TO EXPLAIN AND STMT CATALOG SEARCH CONDITIONS ENHANCEMENT DESCRIPTION: Added improvements to Explain search condition and Statement catalog reporting for search condition elements Functions, Aggregate functions and Scalar functions PRODUCT(S) AFFECTED: CA Plan Analyzer for DB2 for z/OS Version 20.0 Related Problem: PPADB2 13782 Copyright (C) 2021 CA. All rights reserved. R01469-D200-SP1 DESC(IMPROVEMENTS TO EXPLAIN AND STMT CATALOG SEARCH CONDITIONS). ++VER (Z038) FMID (CPPAK00) PRE (LU00440 LU00646 LU01068 R096584 S001404 S004462 S006120 S006869 S008581 S010000 S011131 S012068 S012267 S012655 S015691) SUP (LT01492 LT01551 S014902 ST14902) ++IF FMID(CINSK00) REQ(LU01550) . CSECT(PPA\$ESDM,\$ESDM) . CSECT(PPA\$ESEX,PPA\$ESE2,PPA\$ESE3,PPA\$ESE5,PPA\$ESE6) . CSECT(PPA\$ESM,PPA\$ESM\$) . CSECT(PPA\$PRMB,EXTERN2,PPACARDS,SCMCEN,PPA\$PRM1) . CSECT(PPA\$PROC,\$PROC) . CSECT(PPA\$PROS,\$PROS) . CSECT(PPA\$SRQS,PPA\$ADD) . CSECT(PPA\$SCM,PPA\$ADD) . CSECT(PPA@DATA,@DATX,PPA@DAT9) . CSECT(PPA@PRMP,CRDPLIST,PPA@@001,PPA@TBL,EXTURN,PPA@PRM9) .

Service	Details
LU01556	LU01556 M.C.S. ENTRIES = ++PTF (LU01556) ABEND SOC1 ADDRESS 00000002 IN ABEND RECOVERY W/ZIIP-USE=YES PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) data collector may register an ABEND SOC1 at location 00000002 (Low core) if ABEND recovery is invoked and the ZIIP-USE=YES option is in effect for the data collector. SYMPTOMS: IEA995I SYMPTOM DUMP OUTPUT 021 SYSTEM COMPLETION CODE=0C1 REASON CODE=00000001 TIME=09.49.29 SEQ=12494 CPU=0000 ASID=05BD PSW AT TIME OF ERROR 470C1000 80000002 ILC 2 INTC 01 NO ACTIVE MODULE FOUND NAME=UNKNOWN DATA AT PSW 00000000 - 000A0000 000130E1 00000000 GR 0: 3B010FA8 1: 7F48C6D8 2: 7F6220D0 3: 001549B8 4: 00000000 5: 00000001 6: 7F620000 7: 7F48C6D8 8: 7F622000 9: 00000000 A: 00000000 B: 00000001 C: 3B010EE0 D: 00000F01 E: BB010F78 F: 00000000 END OF SYMPTOM DUMP IMPACT: The impact varies depending on which component took the initial ABEND. The data collector may need to be recycled to regain full function. CIRCUMVENTION: Use ZIIP-USE=NO . PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 13883 Copyright (C) 2021 CA. All rights reserved. R01470-D200-SP1 DESC (ABEND SOC1 ADDRESS 00000002 IN ABEND RECOVERY W/ZIIP-USE=YES) . ++VER (Z038) FMID (CIDBK00) PRE (LU00881 LU01041 R096575 R097703 R099552 S001395 S004454 S006112 S006862 S006977 S007806 S008279 S008846 S009556 S010160 S010906 S011616 S012769 S012896 S013005 S014016 S014642 S016116 S016200 S016300) SUP (AS16116 LT01525 LT01556 LU01525 S009055 ST09055) CSECT (NALDSKOM) . CSECT (NBRWDRVM) . CSECT (NCVTMINC,NCVTMINM) . CSECT (NCVTMTEC,NCVTMTEM) . CSECT (NITTERM, NITTERM) . CSECT (NMSECUSC,NMSECUSR) . CSECT (NPCMDRDC,NPCMDRDR) . CSECT (NREQMGTC,NREQMGT) .

Service	Details
LU01575	LU01575 M.C.S. ENTRIES = ++PTF (LU01575) ADD SUPPORT FOR NEW COMMANDS IN THE DB2 COMMAND PROCESSOR PROBLEM DESCRIPTION: This enhancement of the CA Database Management Solutions for DB2 for z/OS adds support for the following commands in the Db2 Command Processor. -START PROFILE -STOP PROFILE -START RESTSVC -STOP RESTSVC -DISPLAY PROFILE -DISPLAY RESTSVC -DISPLAY LOG -DISPLAY BLOCKERS PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: GEN 13650 Copyright (C) 2021 CA. All rights reserved. R01471-D200-SP1 DESC(ADD SUPPORT FOR NEW COMMANDS IN THE DB2 COMMAND PROCESSOR) . ++VER (Z038) FMID (CINSK00) PRE (R099553 S000016 S000785) SUP (LT01575) CSECT(PTADBCD,CMDTABLE,SAVDCMDS,ERRTABLE) .

Service	Details
LU01581	LU01581 M.C.S. ENTRIES = ++PTF (LU01581) EXCEPTION VARIABLE &TTOKNXX NOT POPULATED FOR SQL EXCEPTIONS PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) exception message variable &TTOKNXX is not populated for application exceptions based on SQL statement. SYMPTOMS: The exception variable &TTOKNXX value is shown as N/A. IMPACT: The exception variable &TTOKNXX is not available for SQL-based application exceptions. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 13882 Copyright (C) 2021 CA. All rights reserved. R01472-D200-SP1 DESC(EXCEPTION VARIABLE &TTOKNXX NOT POPULATED FOR SQL EXCEPTIONS) . ++VER (Z038) FMID (CIDBK00) PRE (R097703 S006112) SUP (LT01581) CSECT (AMXSSXMM) .

Service	Details						
LU01610	LU01610 M.C.S. ENTRIES = ++PTF (LU01610) NEW IDB2/PROMETHEUS/GENERIC ENDPOINT IN DBM-DS PROBLEM DESCRIPTION: The DBM Data Service has been enhanced to support a new generic endpoint '/api/v1/idb2/prometheus/generic' to produce Db2 performance metrics in prometheus exposition format which can be fed to the Prometheus open-source monitoring system and time series database The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) has published a PTF LU01166, that contains new IQL requests that are intended to be used with the new '/api/v1/idb2/prometheus/generic' endpoint. The IQL requests produce Db2 performance metrics based on real-time subsystem statistics. The sample files below have been added to the USS folder within mounted hlq.CDBAZFS file system: 1. A sample configuration file that can be templated to configure a local Prometheus instance: - <mountpoint>/PXM/ds/config/idb2_prometheus.yml 2. CA SYSVIEW for DB2 dashboard JSON files that can be imported to Grafana: - "Group by Member View" dashboard <mountpoint>/PXM/ds/config/idb2_grafana_gm_v1.0.json - "Group-Wide View" dashboard <mountpoint>/PXM/ds/config/idb2_grafana_gw_v1.0.json - "Member View" dashboard <mountpoint>/PXM/ds/config/idb2_grafana_mv_v1.0.json - "Buffer Pool Stats" dashboard <mountpoint>/PXM/ds/config/idb2_grafana_bp_v1.0.json For more details, refer to the Prometheus and Grafana Integration section in CA SYSVIEW Performance Management Option for DB2 for z/OS documentation. Product(s) Affected: <table> <tr> <td>CA SYSVIEW Performance Management Option for DB2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>CA DBM Solutions for DB2 for z/OS Base Install</td><td>Version 20.0</td></tr> </table> Related Problem: IDB2 13631 Copyright (C) 2021 CA. All rights reserved. R01474-D200-SP1 DESC(NEW IDB2/PROMETHEUS/GENERIC ENDPOINT IN DBM-DS). ++VER (Z038) FMID (CINSK00) PRE (LU00839 S001396 S006978 S008825 S010061 S011373 S013484 S014401) SUP (LT01610 S011679 ST11679) ++HOLD (LU01610) SYSTEM FMID(CINSK00) REASON (ACTION) DATE (21159) COMMENT (<table> <tr> <td colspan="2">+-----+ CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 +-----+ SEQUENCE Before using DBM DS +-----+ PURPOSE CHANGE IN CONFIGURATION VARIABLES FOR STARTING DBM DS +-----+ USERS USERS OF DBM DATA SERVICE AFFECTED </td></tr> </table>	CA SYSVIEW Performance Management Option for DB2 for z/OS	Version 20.0	CA DBM Solutions for DB2 for z/OS Base Install	Version 20.0	+-----+ CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 +-----+ SEQUENCE Before using DBM DS +-----+ PURPOSE CHANGE IN CONFIGURATION VARIABLES FOR STARTING DBM DS +-----+ USERS USERS OF DBM DATA SERVICE AFFECTED	
CA SYSVIEW Performance Management Option for DB2 for z/OS	Version 20.0						
CA DBM Solutions for DB2 for z/OS Base Install	Version 20.0						
+-----+ CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 +-----+ SEQUENCE Before using DBM DS +-----+ PURPOSE CHANGE IN CONFIGURATION VARIABLES FOR STARTING DBM DS +-----+ USERS USERS OF DBM DATA SERVICE AFFECTED							

Service	Details
	<pre> +-----+-----+ KNOWLEDGE SYSTEM ADMINISTRATION REQUIRED +-----+-----+ ACCESS POST INSTALL CONFIGURATION OR ACCESS TO CONFIG DATASETS REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** 1. Resubmit the tasks (option 4) in the Post Install MTC UI Configuration Utility or change the below java options (IJO) in PXMDSENV member of DBM DS Config dataset. a. Replace 'server.context-path' with 'server.servlet.context-path' b. Replace 'spring.config.location' with 'spring.config.additional-location' 2. Refer to the Configure the Mainframe Team Center User Interface documentation section in the Product Documentation for additional help related to the configuration of DBM DS.). BINARY LINK('..PXM/ds/config/ldb2_grafana_bp_v1.0.json') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(PXMDSSMP,PRE) . BINARY LINK('..PXM/ds/config/ldb2_grafana_gm_v1.0.json') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(PXMDSSMP,PRE) . BINARY LINK('..PXM/ds/config/ldb2_grafana_gw_v1.0.json') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(PXMDSSMP,PRE) . BINARY LINK('..PXM/ds/config/ldb2_grafana_mv_v1.0.json') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(PXMDSSMP,PRE) . BINARY LINK('..PXM/ds/config/ldb2_prometheus.yml') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(PXMDSSMP,PRE) . LINK('..PXM/ds/dbm-ds.war') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(PXMDSSMP,PRE) . </pre>

Service	Details
LU01625	LU01625 M.C.S. ENTRIES = ++PTF (LU01625) RAISE RETURN CODE WHEN SQL ERROR IS ENCOUNTERED DURING RTOS PROBLEM DESCRIPTION: CA Database Analyzer for DB2 for z/OS (PDA) fails to distinguish SQL errors from other types of failures of Real Time Object Selection (RTOS) and conditional Action Procedures. In addition, PDA fails to stop processing when a model library is not found and processing continues with unpredictable results. SYMPTOMS: PDA jobs complete with Return Code 4 (RC=4) when SQL errors are encountered during the processing of RTOS and conditional Action Procedures. PDA will continue processing after the following message is issued, instead of stopping the processing: ** ERROR ** Problem occurred during Model processing. IMPACT: The output makes it difficult to distinguish SQL errors. Some sites require better visibility for SQL errors during the processing of RTOS and conditional Action Procedures, because the objects may not be selected as intended. CIRCUMVENTION: After this PTF is applied, add the following parameter to the PDA parmlib member to specify a custom RC code for SQL errors: CONDITION_SQL_ERROR(RR) The RR value is an integer (4-4095) that specifies the RC code to use when an SQL error is encountered. CA Database Analyzer For DB2 for z/OS Version 20.0 Related Problem: PDA 13239 Copyright (C) 2021 CA. All rights reserved. R01475-D200-SP1 DESC(RAISE RETURN CODE WHEN SQL ERROR IS ENCOUNTERED DURING RTOS). ++VER (Z038) FMID (CINSK00) PRE (LU00145 R097704 R099553 S000016 S003843 S004455 S009761 S013682 S014174 S015129 S016205) SUP (LT01625) ++IF FMID(CPDAK00) REQ(LU01626) . CSECT(RAAMCTL,PDA2GLD,RSNCDCHK,DO#ESTAX,OWNCHECK,SBLDERR,ATTACH1, TASKMSG,MCTLVERC,MCTLEXTI,MCTLEXTM,SLIPTRAP,TABLE1) . CSECT(RAAPMRDR,@KEYWDTB,PDA#ZAPS) .

Service	Details
LU01626	LU01626 M.C.S. ENTRIES = ++PTF (LU01626) RAISE RETURN CODE WHEN SQL ERROR IS ENCOUNTERED DURING RTOS PROBLEM DESCRIPTION: CA Database Analyzer for DB2 for z/OS (PDA) fails to distinguish SQL errors from other types of failures of Real Time Object Selection (RTOS) and conditional Action Procedures. In addition, PDA fails to stop processing when a model library is not found and processing continues with unpredictable results. SYMPTOMS: PDA jobs complete with Return Code 4 (RC=4) when SQL errors are encountered during the processing of RTOS and conditional Action Procedures. PDA will continue processing after the following message is issued, instead of stopping the processing: ** ERROR ** Problem occurred during Model processing. IMPACT: The output makes it difficult to distinguish SQL errors. Some sites require better visibility for SQL errors during the processing of RTOS and conditional Action Procedures, because the objects may not be selected as intended. CIRCUMVENTION: After this PTF is applied, add the following parameter to the PDA parmlib member to specify a custom RC code for SQL errors: CONDITION_SQL_ERROR(RR) The RR value is an integer (4-4095) that specifies the RC code to use when an SQL error is encountered. CA Database Analyzer For DB2 for z/OS Version 20.0 Related Problem: PDA 13239 Copyright (C) 2021 CA. All rights reserved. R01475-D200-SP1 DESC(RAISE RETURN CODE WHEN SQL ERROR IS ENCOUNTERED DURING RTOS). ++VER (Z038) FMID (CPDAK00) PRE (LU00146 LU00314 LU00891 R099555 S000017 S009652 SO10042 SO14175) SUP (AL00314 LT01067 LT01126 LT01338 LT01626 LU01126 LU01338 S004010 SO13584 ST04010 ST13584) ++IF FMID(CINSK00) REQ(LU01625) . ++HOLD (LU01626) SYSTEM FMID(CPDAK00) REASON (DB2BIND) DATE (21168) COMMENT (-----+ CA Database Analyzer For DB2 for z/OS Version 20.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Bind Plans and Packages +-----+-----+ USERS AFFECTED All Users +-----+-----+ KNOWLEDGE

Service	Details
	<pre> 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. +-----+ 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 * ***** 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.). ++HOLD (LU01626) SYSTEM FMID(CPDAK00) REASON (MSGSKEL) DATE (21168) </pre>

Service	Details
	COMMENT (<pre> +-----+ CA Database Analyzer 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.). CSECT (RAAABL1,RATSYM,TABLE#) . CSECT (RAARTOS,RATSYM) . CSECT (RAAUBPB,RATSYM) . </pre>

Service	Details
LU01648	LU01648 M.C.S. ENTRIES = ++PTF (LU01648) The following items are included in this solution: 1. ABEND OC4 IN PXMRTL 2. USER ABEND 2D4 OR 724 MAY OCCUR WHEN PARM VALIDATION FAILS. ===== ABEND OC4 IN PXMRTL PROBLEM DESCRIPTION: The CA Execution Manager "Xmanager" for DB2 for z/OS (PXM) may take an abend in PXMRTL when called in program key 7. SYMPTOMS: A dump will be produced an abend OC4 message returned to the caller. IMPACT: The function/XMAN request which calls PXMRTL in program key 7 will be unavailable. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: PXM 13528 ===== USER ABEND 2D4 OR 724 MAY OCCUR WHEN PARM VALIDATION FAILS. PROBLEM DESCRIPTION: The CA Execution Manager "Xmanager" for DB2 for z/OS (PXM) may take a user abend 724 (2D4) when valid parms are passed to the message manager, but fail validation in error. SYMPTOMS: Informative messages meant to be seen in the XMAN log are lost when the messaging request results in a user abend 724 (2D4). IMPACT: Messaging requests fail. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: PXM 13934 Copyright (C) 2021 CA. All rights reserved. R01477-D200-SP1 DESC(ABEND OC4 IN PXMRTL). ++VER (Z038) FMID (CINSK00) PRE (S004455 S006863 S007552 S013717 S014583) SUP (LT01258 LT01648 ST07332) ++HOLD (LU01648) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (21162) COMMENT (+-----+ CA DBM Solutions for DB2 for z/OS Base In Version 20.0 +-----+ SEQUENCE Before Apply +-----+

Service	Details
	<pre> 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>

Service	Details
LU01666	LU01666 M.C.S. ENTRIES = ++PTF (LU01666) ABEND SOC4-4 CSECT NPARSERC WHEN WHERE CLAUSE EXCEEDS 4K PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) data collector may encounter an ABEND SOC4-4 when starting an IQL request if the WHERE clause generates more than 4096 bytes of code. The limit for code generated by a WHERE clause has been increased to 28k. SYMPTOMS: SOC4-4 ABEND returned to the START command. IMPACT: ABEND occurs and dump may be taken. The request cannot be started. CIRCUMVENTION: Reduce the size of the WHERE clause in the IQL request. PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 13912 Copyright (C) 2021 CA. All rights reserved. R01480-D200-SP1 DESC (ABEND SOC4-4 CSECT NPARSERC WHEN WHERE CLAUSE EXCEEDS 4K) . ++VER (Z038) FMID (CIDBK00) PRE (S001395 S006862 S007806 S012769) SUP (LT01666) CSECT (NPARSERC,NPARSER) .

Service	Details
LU01673	LU01673 M.C.S. ENTRIES = ++PTF (LU01673) SOC4 ABEND RECOVERY ESTIMATOR WHEN USING 'LOGONLY' KEYWORD PROBLEM DESCRIPTION: The Recovery Estimator may abend with a SOC4 when LOGONLY keyword is specified. SYMPTOMS: Running the Recovery Estimator with LOGONLY can result in a SOC4 abend. IMPACT: The LOGONLY keyword cannot be used in a Recovery Estimator job. CIRCUMVENTION: Remove the LOGONLY keyword and resubmit the job. PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: INS 13903 Copyright (C) 2021 CA. All rights reserved. R01483-D200-SP1 DESC(SOC4 ABEND RECOVERY ESTIMATOR WHEN USING 'LOGONLY' KEYWORD). ++VER (Z038) FMID (CINSK00) PRE (LU00227 LU01178 LU01405 SO15311 SO15864) SUP (LT01643 LT01673) ++IF FMID(COFSK00) REQ(LU01179) . ++IF FMID(CPLAK00) REQ(LU01180) . ++IF FMID(CPRAK00) REQ(LU01181) . ++IF FMID(CUGRK00) REQ(LU01182) .

Service	Details
LU01683	LU01683 M.C.S. ENTRIES = ++PTF (LU01683) ISQL HALTS EXECUTION FOR A DB2 SQL WARNING PROBLEM DESCRIPTION: When the Batch Processor(RBP) or Interactive SQL (ISQL) components of the CA Database Management Solutions for Db2 for z/OS are used to execute query, an SQL warning is returned without any output rows. SYMPTOMS: The returned SQL code and message can resemble the following message: DSNT404I SQLCODE = 495, WARNING ESTIMATED PROCESSOR COST OF 000000000000 PROCESSOR SECONDS (000000002524 SERVICE UNITS) IN COST CATEGORY A EXCEEDS A RESOURCE LIMIT WARNING THRESHOLD OF 000000001500 SERVICE UNITS. IMPACT: No rows are returned with the SQL warning. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: ISQL 13950 Copyright (C) 2021 CA. All rights reserved. R01484-D200-SP1 DESC(ISQL HALTS EXECUTION FOR A DB2 SQL WARNING) . ++VER (Z038) FMID (CINSK00) PRE (SO06638 S011957) SUP (LT01683) CSECT(BPASQLB8,WDECFL) .

Service	Details
LU01694	LU01694 M.C.S. ENTRIES = ++PTF (LU01694) VIEWS WRONG ORDER IF GC CODE VWTC/VWFS/VWFN NOT SET PROBLEM DESCRIPTION: In CA RC/Migrator for DB2 for z/OS (RCM), the group ICL analysis generates the view DDL in the wrong sequence if one of the following conditions is true: 1) Global changes are used. 2) Global change code ALCR is set, but the global change code VWTC for the views is not set. SYMPTOMS: If the analysis script is executed, the child view will fail with an SQLCODE -204 and the following error: DSNT408I SQLCODE = -204, ERROR: <creator>.<parent-view name> IS AN UNDEFINED NAME IMPACT: The generated script will fail attempting to create a view whose parent does not exist yet. CIRCUMVENTION: If the global change code ALCR alters the views parents creators, then you need to set the view's global change code VWTC similar to ALCR. PRODUCT(S) AFFECTED: CA RC/Migrator for DB2 for z/OS Version 20.0 Related Problem: RCM 13798 Copyright (C) 2021 CA. All rights reserved. R01485-D200-SP1 DESC(VIEWS WRONG ORDER IF GC CODE VWTC/VWFS/VWFN NOT SET). ++VER (Z038) FMID (CINSK00) PRE (S004718 S012933) SUP (LT01694)

Service	Details
LU01695	LU01695 M.C.S. ENTRIES = ++PTF (LU01695) UPDATE PRA#@HCA MODULE FOR ROUTINE LEVEL SET RETURN CODES ENHANCEMENT DESCRIPTION: CA Recovery Analyzer for DB2 for z/OS (PRA) health checks have been updated to respond to new error codes -24 and -28 return when PRA attempts to connect to an Xmanager. The new Level Set-related return codes are: -24 (negative) - The requester's maintenance Level Set is not high enough to connect to the Xman. -28 (negative) - The CSLVLST load module was not found. PRODUCT(S) AFFECTED: CA Recovery Analyzer for DB2 for z/OS Version 20.0 Related Problem: PRA 13684 Copyright (C) 2021 CA. All rights reserved. R01486-D200-SP1 DESC(UPDATE PRA#@HCA MODULE FOR ROUTINE LEVEL SET RETURN CODES). ++VER (Z038) FMID (CPRAK00) SUP (LT01695)

Service	Details
LU01696	LU01696 M.C.S. ENTRIES = ++PTF (LU01696) SQL=-438 ERROR PERSISTS WITH SOME ESTIMATOR OPTIONS PROBLEM DESCRIPTION: Using the Recovery Estimator with the following options results in RC=8 and an SQL=-438 error: - PIT COPY LAST-COPY - PIT COPY LAST-FULL - PIT COPY datasetname - PIT RBA LAST-QUIESCE - PIT LRSN LAST-QUIESCE - PIT RTO SYMPTOMS: The job terminates early with RC=8 and an SQL=-438 error. IMPACT: The Recovery Estimator terminates early with return code 8, and only a partial report is generated. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: INS 13972 Copyright (C) 2021 CA. All rights reserved. R01487-D200-SP1 DESC(SQL=-438 ERROR PERSISTS WITH SOME ESTIMATOR OPTIONS). ++VER (Z038) FMID (CINSK00) PRE (LU00227 LU01178 LU01405 S015311 S015864) SUP (AL01405 LT01696)

Service	Details
LU01705	LU01705 M.C.S. ENTRIES = ++PTF (LU01705) The following items are included in this solution: 1. ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY 2. ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY ===== ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY ENHANCEMENT DESCRIPTION: In CA RC/Query for DB2 for z/OS (RCQ), the following reports, LGRANT and LREVOKE commands have been enhanced to include UNLOAD table authority: * (T-UA)Table - User Authorization * (T-KA)Table - Package Authorization * (T-PA)Table - Plan Authorization * (U-TA)User - Table Authorization * (RO-TA)Role - Table Authorization PRODUCT(S) AFFECTED: CA RC/Query for DB2 for z/OS Version 20.0 Related Problem: RCQ 13839 ===== ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY ENHANCEMENT DESCRIPTION: In CA RC/Migrator for DB2 for z/OS (RCM), CA RC/Compare for DB2 for z/OS(RCC) (RCC), and CA RC/Update for DB2 for z/OS (RCC), the GRANT UNLOAD statemets are generated as needed during strategy analysis. PRODUCT(S) AFFECTED: CA RC/Migrator for DB2 for z/OS Version 20.0 CA RC/Compare for DB2 for z/OS Version 20.0 CA RC/Update for DB2 for z/OS Version 20.0 Related Problem: RCM 13884 Copyright (C) 2021 CA. All rights reserved. R01488-D200-SP1 DESC(ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY). ++VER (Z038) FMID (CINSK00) PRE (R097704 R099553 S001396 S004455 S004718 S006113 S007379 S010162 S011691 S011966 S012361 S012933) SUP (LT01705 S009851 ST09851) ++IF FMID(CRCQK00) REQ(LU01706) . ++HOLD (LU01705) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (21165) COMMENT (+-----+ 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

Service	Details
	<pre> 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>

Service	Details
LU01706	LU01706 M.C.S. ENTRIES = ++PTF (LU01706) The following items are included in this solution: 1. ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY 2. ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY ===== ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY ENHANCEMENT DESCRIPTION: In CA RC/Query for DB2 for z/OS (RCQ), the following reports, LGRANT and LREVOKE commands have been enhanced to include UNLOAD table authority: * (T-UA)Table - User Authorization * (T-KA)Table - Package Authorization * (T-PA)Table - Plan Authorization * (U-TA)User - Table Authorization * (RO-TA)Role - Table Authorization PRODUCT(S) AFFECTED: CA RC/Query for DB2 for z/OS Version 20.0 Related Problem: RCQ 13839 ===== ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY ENHANCEMENT DESCRIPTION: In CA RC/Migrator for DB2 for z/OS (RCM), CA RC/Compare for DB2 for z/OS(RCC) (RCC), and CA RC/Update for DB2 for z/OS (RCC), the GRANT UNLOAD statemets are generated as needed during strategy analysis. PRODUCT(S) AFFECTED: CA RC/Migrator for DB2 for z/OS Version 20.0 CA RC/Compare for DB2 for z/OS Version 20.0 CA RC/Update for DB2 for z/OS Version 20.0 Related Problem: RCM 13884 Copyright (C) 2021 CA. All rights reserved. R01488-D200-SP1 DESC(ADD SUPPORT FOR DB2 V12 UNLOAD TABLE AUTHORITY). ++VER (Z038) FMID (CRCQK00) PRE (R096593 R099569 S001414 S004471 S006128 S006875 S007822 S008232 S010163 S013668 S015697) SUP (LT01706) ++IF FMID(CINSK00) REQ(LU01705) . ++HOLD (LU01706) SYSTEM FMID(CRCQK00) REASON (DB2BIND) DATE (21165) COMMENT (+ -----+ CA RC/Query for DB2 for z/OS Version 20.0 + -----+ SEQUENCE After Apply + -----+ PURPOSE Bind Plans and Packages + -----+ USERS AFFECTED All Users + -----+ KNOWLEDGE

Service	Details
	<pre> 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.). CSECT(RQALINE,RQALIN2) . CSECT(RQAROOA,RPTSVCST,AUTHSECT) . CSECT(RQAROTA,RPTSVCST) . CSECT(RQATKA,RPTSVCST) . CSECT(RQATPA,RPTSVCST) . CSECT(RQATUA,RPTSVCST) . CSECT(RQAUAUA,RPTSVCST,AUTHSECT) . CSECT(RQAUTA,RPTSVCST) . CSECT(RQAVUA,RPTSVCST) . </pre>

Service	Details
LU01717	LU01717 M.C.S. ENTRIES = ++PTF (LU01717) PREVIEW SIMULATE OPTIONS STATEMENT SUPPORT ENHANCEMENT DESCRIPTION: In CA Fast Recover for DB2 for z/OS (PFR), the PREVIEW and KEEP-SIMULATION-SHADOWS keywords can now be specified in a single OPTIONS statement at the beginning of the job. This enhancement also prevents a REBUILD INDEX statement from processing concurrently with a RECOVER TABLESPACE statement when they specify conflicting PREVIEW and KEEP-SIMULATION-SHADOWS values. PRODUCT(S) AFFECTED: CA Fast Recover for Db2 for z/OS Version 20.00 Related Problem: PFR 13664 Copyright (C) 2021 CA. All rights reserved. R01489-D200-SP1 DESC(PREVIEW SIMULATE OPTIONS STATEMENT SUPPORT). ++VER (Z038) FMID (CUGRK00) PRE (LU00141 LU00275 LU00728 R096595 R099574 S000029 S000788 S001660 S004251 S006132 S008280 S008833 S010165 S012155 S012279 S012530 S013206 S013768 S014568) SUP (LT01135 LT01527 LT01717 LU01135) ++IF FMID(CPUTK00) REQ(LU00177) .

Service	Details
LU01720	LU01720 M.C.S. ENTRIES = ++PTF (LU01720) BROKEN PAGE AFTER FAST LOAD OF A LOB TABLESPACE PROBLEM DESCRIPTION: CA Fast Load for DB2 for z/OS (PFL) job may result in broken pages after loading a LOB tablespace under Db2 12. SYMPTOMS: PFL loads the data normally but results in broken pages in a LOB tablespace. In one scenario, the following message is issued by the copy utility when an image copy is taken after the load: " DSNU518I -DSNUBASA - TABLESPACE XXXX.XXX DSNUM X CONTAINS BROKEN PAGE X'xxxxx', ERROR CODE X'0C07'" IMPACT: Broken pages may be present in a lob tablespace. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Fast Load for DB2 for z/OS Version 20.0 Related Problem: PFL 13572 Copyright (C) 2021 CA. All rights reserved. R01490-D200-SP1 DESC(BROKEN PAGE AFTER FAST LOAD OF A LOB TABLESPACE). ++VER (Z038) FMID (CPFLK00) PRE (LU00136 LU00178 LU00436 LU00724 LU01379 R096581 R097708 S000018 S000704 S001401 S001656 S004275 S004459 S005012 S007170 S007811 S008428 S009024 S009977 S010195 S011235 S011325 S011431 S011601 S011846 S011996 S012128 S012150 S012275 S012526 S013066 S013097 S013175 S013203 S013765 S014031 S014772 S015015 S015312 S015484 S015738 S015938 S016089) SUP (AS14772 LT01720 S015771 ST15281 ST15288 ST15771) CSECT(FLA\$LOB2, #@XFCALR) .

Service	Details
LU01727	LU01727 M.C.S. ENTRIES = ++PTF (LU01727) PFU ISSUES PFU0478E DATA TYPE 000 FOR COLUMN: XXX IS UNKNOWN PROBLEM DESCRIPTION: CA Fast Unload for DB2 for z/OS (PFU) may end with RC=8 and issue error message PFU0478E when unloading data from a table created prior to DB2 Version 6. SYMPTOMS: PFU fails with RC=8 and issues the following message: "PFU0478E - THE DATA TYPE: 000 FOR COLUMN: XXX IS UNKNOWN" IMPACT: Unload fails. CIRCUMVENTION: Use SQL-ACCESS ONLY. PRODUCT(S) AFFECTED: CA Fast Unload for DB2 for z/OS Version 20.0 Related Problem: PFU 13985 Copyright (C) 2021 CA. All rights reserved. R01491-D200-SP1 DESC(PFU ISSUES PFU0478E DATA TYPE 000 FOR COLUMN: XXX IS UNKNOWN). ++VER (Z038) FMID (CPFUK00) PRE (R096582 S000019 S001818 S006118 S008860 S010175 S012108 S012197 S014382 S014984 S016195) SUP (AS10023 AS10175 BS12108 LT01727 S008352 S010023 S010107 S010442 S015767 ST08352 ST10023 ST10106 ST10107 ST10442 ST15767)

Service	Details																
LU01732	LU01732 M.C.S. ENTRIES = ++PTF (LU01732) SUBSYSTEM ANALYZER MAY TAKE AN ABEND DURING STARTUP PROBLEM DESCRIPTION: CA Subsystem Analyzer for DB2 for z/OS (PSA) may abend with a S0C4 during collection startup. This abend happens when Subsystem Analyzer and a vendor product are active at the same time. SYMPTOMS: Xmanager will have the following abend information: SYSTEM COMPLETION CODE=0C4 REASON CODE=00000004 TIME=03.53.56 SEQ=42029 CPU=4008 ASID=0149 PSW AT TIME OF ERROR 07740001 80000000 0000005D_7DOCF30A ILC 6 INTC 04 NO ACTIVE MODULE FOUND - PRIMARY NOT EQUAL TO HOME NAME=UNKNOWN An SVCDUMP will occur with the following abend information: PIDS/5740XYR00 RIDS/UNKNOWN#L RIDS/UNKNOWN AB/S00C4 PRCS/00000004 RIDS/DSNTFRCV#R <table> <tr> <th>Symptom</th><th>Description</th></tr> <tr> <td>-----</td><td>-----</td></tr> <tr> <td>PIDS/5740XYR00</td><td>Program id: 5740XYR00</td></tr> <tr> <td>RIDS/UNKNOWN#L</td><td>Load module name: UNKNOWN</td></tr> <tr> <td>RIDS/UNKNOWN</td><td>Csect name: UNKNOWN</td></tr> <tr> <td>AB/S00C4</td><td>System abend code: 00C4</td></tr> <tr> <td>PRCS/00000004</td><td>Abend reason code: 00000004</td></tr> <tr> <td>RIDS/DSNTFRCV#R</td><td>Recovery routine csect name: DSNTFRCV</td></tr> </table> IMPACT: The Subsystem Analyzer abend may cause Db2 to terminate. CIRCUMVENTION: Do not run Subsystem Analyzer and a performance product from a third-party vendor at the same time. PRODUCT(S) AFFECTED: CA Subsystem Analyzer for DB2 for z/OS Version 20.0 Related Problem: PSA 13931 Copyright (C) 2021 CA. All rights reserved. R01492-D200-SP1 DESC(SUBSYSTEM ANALYZER MAY TAKE AN ABEND DURING STARTUP). ++VER (Z038) FMID (CPSAK00) PRE (R097716 S000871 S004468 S009267 S010867 S012926) SUP (LT01652 LT01732 S001635 ST01635)	Symptom	Description	-----	-----	PIDS/5740XYR00	Program id: 5740XYR00	RIDS/UNKNOWN#L	Load module name: UNKNOWN	RIDS/UNKNOWN	Csect name: UNKNOWN	AB/S00C4	System abend code: 00C4	PRCS/00000004	Abend reason code: 00000004	RIDS/DSNTFRCV#R	Recovery routine csect name: DSNTFRCV
Symptom	Description																
-----	-----																
PIDS/5740XYR00	Program id: 5740XYR00																
RIDS/UNKNOWN#L	Load module name: UNKNOWN																
RIDS/UNKNOWN	Csect name: UNKNOWN																
AB/S00C4	System abend code: 00C4																
PRCS/00000004	Abend reason code: 00000004																
RIDS/DSNTFRCV#R	Recovery routine csect name: DSNTFRCV																

Service	Details
LU01750	LU01750 M.C.S. ENTRIES = ++PTF (LU01750) CPU OPTIMIZATION IN DATASHAREABLE ENVIRONMENT ENHANCEMENT DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) sends requests across Cross-system Coupling Facility (XCF) without the use of built-in XCF capacity to send these messages in sequential order. This requires the product to perform additional operations while processing the messages at the receiving side. The XCF calls that are sent this way are converted to sending messages in sequential order. PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 13944 Copyright (C) 2021 CA. All rights reserved. R01493-D200-SP1 DESC(CPU OPTIMIZATION IN DATASHAREABLE ENVIRONMENT). ++VER (Z038) FMID (CIDBK00) PRE (LU00246 R096575 R099552 S006112 S006862 S007806 S010739 S011977 S015254 S015931 S016300) SUP (AL00246 LT00884 LT00964 LT01293 LT01750 LU00964 LU01293 S009054 ST09054) CSECT(NRINTRVC,NRINTRVL).

Service	Details
LU01757	LU01757 M.C.S. ENTRIES = ++PTF (LU01757) S378-14 OR SOC4 ABEND MIGHT OCCUR AT XMANAGER SHUTDOWN PROBLEM DESCRIPTION: The CA Execution Manager (Xmanager) abends with an S378-14 or SOC4 while terminating. SYMPTOMS: S378-14 or SOC4 abend messages appear in the Xmanager job log. No module name is listed for the abend. IMPACT: The abends are a nuisance but have no adverse affects. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: GEN 13975 Copyright (C) 2021 CA. All rights reserved. R01494-D200-SP1 DESC(S378-14 OR SOC4 ABEND MIGHT OCCUR AT XMANAGER SHUTDOWN). ++VER (Z038) FMID (CINSK00) PRE (S006113 S008755) SUP (LT01757) ++HOLD (LU01757) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (21169) COMMENT (<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! </pre>

Service	Details
	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.).

Service	Details		
LU01760	LU01760 M.C.S. ENTRIES = ++PTF (LU01760) PLEXINTV UPPER LIMIT CHANGED TO 9999. PROBLEM DESCRIPTION: In the CA Execution Manager "Xmanager" for DB2 for z/OS (PXM), the PLEXINTV parameter has an upper limit of 9900. However, in some cases, values up to 9999 are being accepted. SYMPTOMS: A PLEXINTV value that is greater than 9900 is accepted when it should fail. IMPACT: Inconsistency with the upper limit interval times. CIRCUMVENTION: None. After applying this fix, an upper limit of 9999 will be supported. PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: PXM 13845 Copyright (C) 2021 CA. All rights reserved. R01495-D200-SP1 DESC(PLEXINTV UPPER LIMIT CHANGED TO 9999.). ++VER (Z038) FMID (CINSK00) PRE (LU00523 LU00937 S004455 S006113 S011317 S013717 S013839 S015394) SUP (LT01760 S015045 ST15045) ++HOLD (LU01760) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (21173) COMMENT (<table border="1"> <tr> <td>CA DBM Solutions for DB2 for z/OS Base In</td><td>Version 20.0</td></tr> </table> 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.	CA DBM Solutions for DB2 for z/OS Base In	Version 20.0
CA DBM Solutions for DB2 for z/OS Base In	Version 20.0		

Service	Details
	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.).

Service	Details
LU01799	LU01799 M.C.S. ENTRIES = ++PTF (LU01799) INCORRECT INTERVAL TIME WHEN AGGREGATING HISTORIC INTERVALS PROBLEM DESCRIPTION: When CA Detector for Db2 for z/OS (PDT) aggregates historic intervals over multiple days, it displays an incorrect interval time. SYMPTOMS: The interval time used is the last interval selected whereas the interval date used is the first interval selected. IMPACT: The displayed interval time is incorrect. CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA Detector for DB2 for z/OS Version 20.0 Related Problem: PDT 14014 Copyright (C) 2021 CA. All rights reserved. R01497-D200-SP1 DESC(INCORRECT INTERVAL TIME WHEN AGGREGATING HISTORIC INTERVALS). ++VER (Z038) FMID (CPDTK00) PRE (R099556 S001400 S014860 S016174) SUP (LT01799)

Service	Details
LU01829	LU01829 M.C.S. ENTRIES = ++PTF (LU01829) NEW FILTER FIELD IN DATASHAREABLE LOCKDETL REQUEST PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) enhances the LOCKDETL "Locks Currently Held" report with the new filtering "DB2" column. The column is used to limit the report output with locks only from specific Db2 members in a data sharing group. The new column is only displayed in a data sharing environment. The default filter value is set to a current Db2 member to avoid unnecessary data traffic and CPU usage unless all locks are explicitly requested. PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 13812 Copyright (C) 2021 CA. All rights reserved. R01499-D200-SP1 DESC(NEW FILTER FIELD IN DATASHAREABLE LOCKDETL REQUEST). ++VER (Z038) FMID (CIDBK00) PRE (LU00246 LU00427 LU01041 LU01750 R096575 R097703 R099552 S001395 S004454 S006112 S006862 S006977 S007806 S008846 S010160 S012397 S013508 S014016 S014642 S015931 S016300) SUP (AL00246 LT00884 LT00964 LT01293 LT01829 LU00964 LU01293 ST05936) ++HOLD (LU01829) SYSTEM FMID(CIDBK00) REASON (ACTION) DATE (21176) COMMENT (<pre> +-----+ CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 +-----+-----+ SEQUENCE Before Apply +-----+-----+ SEQUENCE Before using LOCKDETL request +-----+-----+ PURPOSE Make CA SYSVIEW for DB2 users aware that LOCKDETL report will not show data from all data sharing members if this maintenance is not applied to all data collectors in the group. +-----+-----+ USERS All CA SYSVIEW for DB2 users AFFECTED +-----+-----+ KNOWLEDGE Basic CA SYSVIEW for DB2 knowledge REQUIRED +-----+-----+ ACCESS Access to CA SYSVIEW for DB2 requests and reports REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * </pre>

Service	Details
	***** The data shareable LOCKDETL report does not show the new "DB2" filter column and displays only local data when you access it in the data collector of a data sharing group that does not have this PTF applied. This behavior is same if the member data collector and the corresponding user interface run on different maintenance levels. If this PTF is applied to only some data collectors in a data sharing group and you enter an asterisk(*) in the new "DB2" filter column, the LOCKDETL report will not show data from a member that does not have this PTF applied. Until all data collectors in a data sharing group are synced up, you can pick the data collector that does not have this PTF applied and display the LOCKDETL report for local data.). CSECT(NCCDISPC,NCCDISPM) . CSECT(NGR0150C,NGR0150) . CSECT(NGR0150C,NGR0150) . CSECT(NGR0150C,NGR0150) .

Service	Details
LU01837	LU01837 M.C.S. ENTRIES = ++PTF (LU01837) MTC DBM POST INSTALL FIX TO SUPPORT REXX ALTERNATE LIBRARIES PROBLEM DESCRIPTION: During CA Database Management for Db2 for z/OS Post Install Tailoring, users Option 2 Customize, users are unable to customize MTC (Mainframe Team Center) from the product selection list. MTC compiled rexx modules were previously configured to run with REXX Runtime library (*.SEAGLPA). This fix removes that requirement and allows users with REXX Alternate library (*.SEAGALT) to proceed with MTC customization. SYMPTOMS: When customizing the MTC product under Post Install Option 2 Customize, the following error messages are issued: EAGALT0300E Error 3 running compiled MTCMAIN, line 0: Program is unreadable EAGALT0304I The program cannot run with the Alternate Library IMPACT: Users selecting MTC from product selection list in Post Install Option 2 Customize, without configured REXX Runtime libraries, are impacted. CIRCUMVENTION: For users with REXX Runtime library, we recommended that you add the REXX Runtime library (*.SEAGLPA) to the LPALST system parmlib member. Users with only REXX Alternate Library (*.SEAGALT) are required to install this fix. PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: INS 14063 Copyright (C) 2021 CA. All rights reserved. R01501-D200-SP1 DESC(MTC DBM POST INSTALL FIX TO SUPPORT REXX ALTERNATE LIBRARIES). ++VER (Z038) FMID (CINSK00) PRE (LU00839) SUP (LT01837)

Service	Details
LU01841	LU01841 M.C.S. ENTRIES = ++PTF (LU01841) AN SOC4 ABEND DURING INTERVAL CHANGE PROBLEM DESCRIPTION: CA Detector for DB2 for z/OS (PDT) may incur an SOC4 abend during interval change. This abend occur when running synchronous Detector and Subsystem Analyzer collection. This is a ratre timing issue. SYMPTOMS: An SVC dump with title as shown below will be taken and collection may shutdown. Dump Title: CA-SSANALZE 20.0 COLLECTION FRR/SDUMP Then xmanager log may indicate an abend captured by Detector. PDT0105 DETECTOR ABNORMAL TERMINATION/SDUMP IN PROGRESS DB2=XXXX IMPACT: Subsystem analyzer terminates. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Detector for DB2 for z/OS Version 20.0 CA Subsystem Analyzer for z/OS Version 20.0 Related Problem: PDT 13785 Copyright (C) 2021 CA. All rights reserved. R01502-D200-SP1 DESC (AN SOC4 ABEND DURING INTERVAL CHANGE). ++VER (Z038) FMID (CPDTK00) PRE (LU01542 R096168 R097707 R098429 R099556 S001400 S003942 S004458 S006334 S007810 S009065 S010908 S011694 S013887 S015395) SUP (LT01841 S009044 S011717 S015199 S015499 S015573 ST09044 ST11717 ST15199 ST15499 ST15573) ++HOLD (LU01841) SYSTEM FMID(CPDTK00) REASON (RESTART) DATE (21174) COMMENT (<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 +-----+ ***** </pre> *****

Service	Details
	* 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.).

Service	Details
LU01860	LU01860 M.C.S. ENTRIES = ++PTF (LU01860) FATAL ERROR WHEN PROCESSING %TSSET VARIABLE IN QUIESCE MODEL PROBLEM DESCRIPTION: The execution of a CA Database Analyzer for DB2 for z/OS (PDA) Extract Procedure fails with RC=16 (fatal error) during the generation of Action JCL under the following conditions: - Tablespace set symbolic variable (%TSSET) is used - Quiesce utility (QU) model is used - Large object (LOB) is being processed - Table or Creator name of LOB is longer than 18 characters - Referential integrity (RI) relationship exists for LOB SYMPTOMS: The job may go into a CPU spin loop, or the job may end with the following error message printed in PTIMSG: Error occurred during processing TS SET list for object <DBNAME>.<TSNAME> Execution stopped - fatal error encounter - Reason Code 016 IMPACT: The PDA job fails, and the QU model JCL is not generated. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Database Analyzer For DB2 for z/OS Version 20.0 Keyword(s): QUIESCE %TSSET TABLESPACESET QU REFERENTIAL INTEGRITY RI FATAL RC=16 Related Problem: PDA 14057 Copyright (C) 2021 CA. All rights reserved. R01504-D200-SP1 DESC(FATAL ERROR WHEN PROCESSING %TSSET VARIABLE IN QUIESCE MODEL). ++VER (Z038) FMID (CPDAK00) PRE (LU00146 LU00381 S004948 S007809 S009763) SUP (LT01860) ++HOLD (LU01860) SYSTEM FMID(CPDAK00) REASON (DB2BIND) DATE (21180) COMMENT (+-----+ 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.

Service	Details
	<pre> +-----+-----+ ***** * 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>
	<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 * ***** </pre>
	<pre> 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>

Service	Details
LU01869	LU01869 M.C.S. ENTRIES = ++PTF (LU01869) MORE CONTENT OF GRANT/REVOKE IN OBJECT LEVEL REPORT ENHANCEMENT DESCRIPTION: CA Log Analyzer for DB2 for z/OS (PLA) DDL Activity report with Level of Detail ==> (0)bject includes the ID that executed a Grant and/or Revoke (Actor) and the ID whose privilege was changed (Target). Example: Object Report for URID FFFFFFFFFFFFFFFFFFFFFF Grant of Type: Table or View Privilege Name: creator.table Actor: xxxxxxxx Target: yyyyyyy PRODUCT(S) AFFECTED: CA Log Analyzer for DB2 for z/OS Version 20.0 Related Problem: PLA 13649 Copyright (C) 2021 CA. All rights reserved. R01506-D200-SP1 DESC(MORE CONTENT OF GRANT/REVOKE IN OBJECT LEVEL REPORT) . ++VER (Z038) FMID (CPLAK00) PRE (LU00132 LU00238 LU00672 LU00882 LU00903 LU01040 LU01043 LU01538 R096583 R097709 R099559 S000020 S000975 S001403 S004245 S008802 S009133 S009252 S010677 S011113 S011669 S012487 S012797 S012889 S013009 S013879 S014866 S015064 S015220) SUP (LT01869) ++HOLD (LU01869) SYSTEM FMID(CPLAK00) REASON (MSGSKEL) DATE (21179) COMMENT (<pre> +-----+ CA Log Analyzer 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. </pre>

Service	Details
	Refer to the Post Installation and Customization Guide for details.). CSECT (LAA\$FORM,#@XFCALN) . CSECT (LAA\$XMSG,#@XFCALN) . CSECT (LAA@RDDD,#@XFCALN,LAIXMSG) . CSECT (LAA@RDDF,#@XFCALN,SYMSECT) . CSECT (LAA@RDDS,#@XFCALN) . CSECT (LAA@RDMF,#@XFCALN) .

Service	Details
LU01891	LU01891 M.C.S. ENTRIES = ++PTF (LU01891) NEW STRATEGY HVERSION OPTION FOR COMPARE EXPLAIN VERSION ENHANCEMENT DESCRIPTION: CA Plan Analyzer for DB2 for z/OS (PPA) now provides the option to select a historical strategy version to compare against a new explain when generating a Compare Report or Compare Version Cost Report, or when creating the Compare History records. A new Level field can be accessed on the Compare Versions Report Options panel when you are working with an explain strategy or explain profile, and an old_hversion_level parameter has been added to the COMPOPTS enhanced explain card. PRODUCT(S) AFFECTED: CA Plan Analyzer for DB2 for z/OS Version 20.0 Related Problem: PPADB2 13247 Copyright (C) 2021 CA. All rights reserved. R01507-D200-SP1 DESC(NEW STRATEGY HVERSION OPTION FOR COMPARE EXPLAIN VERSION) . ++VER (Z038) FMID (CINSK00) PRE (LU00131 LU00438 LU00643 R096576 S001396 S008578 S010712 S011129 S012067 S015690) SUP (LT01891) ++IF FMID(CPPAK00) REQ(LU01892) . CSECT(PPA\$TABS,IPSMPO1,ESACP01,IPSMR01,ATH0001,ATH0002,ATH0003, BPDI001,BPIB001,DM00001,DBS0001,CEVM001,CEVC001,CVC0001, DSML001,EPM0001,ESAC001,ESCA001,ESCS001,ESCS002,ESDE001, ESDE002,ESDE003,ESDE004,ESDE005,ESDR001,ESDR002,ESE0001, ESE0002,ESEQ001,ESM0001,ESM0002,ESM0003,ESM0004,ESCSR01, ESNE001,ESOS001,ESOS002,ESPS001,ESPS002,ESQS001,ESQS002, ESSE001,ESVO001,IPSM001,IPSM002,KLM0001,LCL0001,LCLX001, PRC0001,PRC0002,PRC0003,PLM0001,PLNTB01,PLNTB02,PLNTB03, PLNTB04,PLNTB05,PLNTB06,PRM0001,PRM0002,PRM0003,PRM0004, PRMB001,PROB001,PUBK001,PUBP001,PURK001,PURP001,QDCS001, QEDD001,QEDM001,QEDX001,QENE001,SLHTB01,SLHTB02,SLHTB03, SLHQ001,PSTB01,PSTB02,PSTB03,PSTB04,SPM0002,SPM0003,UESL001, UESL002,UESL003,UESM001,UESM002,UESM003,USRM001,USRM002, VIXTB01,VIXTB02,VIXTB03,VIXTB04,VIXTB05,VIXTB06,VIXTB07, PPICDM,PPICCEVC,PPICESCS,PPICESEQ,PPICQEDC,PPICESDS,PPICQEDO, PPICPRL,PPICPRD,PPICPRST,PPICPRPP,PPICPRBR,PPICPRRR,PPICPRUA, PPICKRL,PPICKRD,PPICKRST,PPICKRDP,PPICKRPI,PPICKRBR,PPICKRRR, PPICKRUA,PPICKRE,PPICODM,PPICSRM,PPICPLM,PPICKLM,PPICESOS, PPICESQS,PPICESPS,PPICQDCC,PPICSLHQ,PPICSLHK,PPICSLHY,PPICQRL, PPICQROP,PPICQRST,PPICQRE,PPICCCSC) .

Service	Details
LU01892	LU01892 M.C.S. ENTRIES = ++PTF (LU01892) NEW STRATEGY HVERSION OPTION FOR COMPARE EXPLAIN VERSION ENHANCEMENT DESCRIPTION: CA Plan Analyzer for DB2 for z/OS (PPA) now provides the option to select a historical strategy version to compare against a new explain when generating a Compare Report or Compare Version Cost Report, or when creating the Compare History records. A new Level field can be accessed on the Compare Versions Report Options panel when you are working with an explain strategy or explain profile, and an old_hversion_level parameter has been added to the COMPOPTS enhanced explain card. PRODUCT(S) AFFECTED: CA Plan Analyzer for DB2 for z/OS Version 20.0 Related Problem: PPADB2 13247 Copyright (C) 2021 CA. All rights reserved. R01507-D200-SP1 DESC(NEW STRATEGY HVERSION OPTION FOR COMPARE EXPLAIN VERSION) . ++VER (Z038) FMID (CPPAK00) PRE (LU00440 LU00646 LU01068 LU01551 R096584 R099560 S000021 S001404 S004462 S006120 S006869 S007814 S008451 S008581 S010000 S010714 S011131 S011768 S011810 S012068 S012267 S012368 S012655 S015691) SUP (LT01892 S014902 ST14902) ++IF FMID(CINSK00) REQ(LU01891) . ++HOLD (LU01892) SYSTEM FMID(CPPAK00) REASON (DB2BIND) DATE (21180) COMMENT (<pre> +-----+ CA Plan 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. </pre>

Service	Details
	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.). ++HOLD (LU01892) SYSTEM FMID(CPPAK00) REASON (DB2DDL) DATE (21180) COMMENT (<pre> +-----+ CA Plan Analyzer for DB2 for z/OS Version 20.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Alter CA DB2 Tools objects +-----+-----+ USERS AFFECTED All Users. +-----+-----+ KNOWLEDGE REQUIRED CA DB2 Tools Post Install Customization +-----+-----+ ACCESS 1. CA DB2 Tools Post Install REQUIRED 2. Install SYSADM, SYSADM or DBADM on PTDB. +-----+-----+ ***** * STEPS TO PERFORM * ***** DB2 objects must be compared/alterd and a Bind Replace performed as part of this maintenance. 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 following tasks using the post-install tailoring options: 1. Compare DB2 Objects 2. Create Required DB2 Objects 3. Bind Product Packages and Plans 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>

Service	Details																																																																																		
LU01893	LU01893 M.C.S. ENTRIES = ++PTF (LU01893) SOC1 OR SOC4 ABEND DURING INCREMENTAL QUICK COPY PROBLEM DESCRIPTION: CA Quick Copy for DB2 for z/OS (PQC) may abend with SOC1 or SOC4 while creating incremental copy for multi-dataset segmented tablespace. SYMPTOMS: SOC1 or SOC4 abend with below error message. PQC0192E INTERNAL RC 16 AT LOCATION 0160 IMPACT: Incremental copy for multi-dataset segmented tablespace may not work. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Quick Copy for DB2 for z/OS Version 20.0 Related Problem: PQC 14047 Copyright (C) 2021 CA. All rights reserved. R01508-D200-SP1 DESC(SOC1 OR SOC4 ABEND DURING INCREMENTAL QUICK COPY). ++VER (Z038) FMID (CUGRK00) PRE (LU00141 R099574 S000029 S000201 S001660 S004475 S005018 S006069 S006132 S006879 S007826 S008668 S009132 S009903 S011239 S015308 S015487 S015609 S016181) SUP (LT01893) <table> <tr><td>MCS</td><td>LU01357</td><td>STARTS ON PAGE 0002</td></tr> <tr><td>MCS</td><td>LU01362</td><td>STARTS ON PAGE 0002</td></tr> <tr><td>MCS</td><td>LU01405</td><td>STARTS ON PAGE 0005</td></tr> <tr><td>MCS</td><td>LU01508</td><td>STARTS ON PAGE 0007</td></tr> <tr><td>MCS</td><td>LU01513</td><td>STARTS ON PAGE 0008</td></tr> <tr><td>MCS</td><td>LU01525</td><td>STARTS ON PAGE 0009</td></tr> <tr><td>MCS</td><td>LU01526</td><td>STARTS ON PAGE 0010</td></tr> <tr><td>MCS</td><td>LU01534</td><td>STARTS ON PAGE 0012</td></tr> <tr><td>MCS</td><td>LU01538</td><td>STARTS ON PAGE 0013</td></tr> <tr><td>MCS</td><td>LU01541</td><td>STARTS ON PAGE 0017</td></tr> <tr><td>MCS</td><td>LU01542</td><td>STARTS ON PAGE 0019</td></tr> <tr><td>MCS</td><td>LU01543</td><td>STARTS ON PAGE 0022</td></tr> <tr><td>MCS</td><td>LU01550</td><td>STARTS ON PAGE 0023</td></tr> <tr><td>MCS</td><td>LU01551</td><td>STARTS ON PAGE 0024</td></tr> <tr><td>MCS</td><td>LU01556</td><td>STARTS ON PAGE 0025</td></tr> <tr><td>MCS</td><td>LU01575</td><td>STARTS ON PAGE 0027</td></tr> <tr><td>MCS</td><td>LU01581</td><td>STARTS ON PAGE 0028</td></tr> <tr><td>MCS</td><td>LU01610</td><td>STARTS ON PAGE 0029</td></tr> <tr><td>MCS</td><td>LU01625</td><td>STARTS ON PAGE 0031</td></tr> <tr><td>MCS</td><td>LU01626</td><td>STARTS ON PAGE 0032</td></tr> <tr><td>MCS</td><td>LU01648</td><td>STARTS ON PAGE 0036</td></tr> <tr><td>MCS</td><td>LU01666</td><td>STARTS ON PAGE 0038</td></tr> <tr><td>MCS</td><td>LU01673</td><td>STARTS ON PAGE 0039</td></tr> <tr><td>MCS</td><td>LU01683</td><td>STARTS ON PAGE 0039</td></tr> <tr><td>MCS</td><td>LU01694</td><td>STARTS ON PAGE 0040</td></tr> <tr><td>MCS</td><td>LU01695</td><td>STARTS ON PAGE 0041</td></tr> <tr><td>MCS</td><td>LU01696</td><td>STARTS ON PAGE 0042</td></tr> </table>		MCS	LU01357	STARTS ON PAGE 0002	MCS	LU01362	STARTS ON PAGE 0002	MCS	LU01405	STARTS ON PAGE 0005	MCS	LU01508	STARTS ON PAGE 0007	MCS	LU01513	STARTS ON PAGE 0008	MCS	LU01525	STARTS ON PAGE 0009	MCS	LU01526	STARTS ON PAGE 0010	MCS	LU01534	STARTS ON PAGE 0012	MCS	LU01538	STARTS ON PAGE 0013	MCS	LU01541	STARTS ON PAGE 0017	MCS	LU01542	STARTS ON PAGE 0019	MCS	LU01543	STARTS ON PAGE 0022	MCS	LU01550	STARTS ON PAGE 0023	MCS	LU01551	STARTS ON PAGE 0024	MCS	LU01556	STARTS ON PAGE 0025	MCS	LU01575	STARTS ON PAGE 0027	MCS	LU01581	STARTS ON PAGE 0028	MCS	LU01610	STARTS ON PAGE 0029	MCS	LU01625	STARTS ON PAGE 0031	MCS	LU01626	STARTS ON PAGE 0032	MCS	LU01648	STARTS ON PAGE 0036	MCS	LU01666	STARTS ON PAGE 0038	MCS	LU01673	STARTS ON PAGE 0039	MCS	LU01683	STARTS ON PAGE 0039	MCS	LU01694	STARTS ON PAGE 0040	MCS	LU01695	STARTS ON PAGE 0041	MCS	LU01696	STARTS ON PAGE 0042
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	MCS	LU01869	STARTS ON PAGE 0063
	MCS	LU01891	STARTS ON PAGE 0065
	MCS	LU01892	STARTS ON PAGE 0066
	MCS	LU01893	STARTS ON PAGE 0079

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CA RS 2107 Product/Component Listing

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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 2107 Product/Component Count for this release is 27

CA RS Level	Service	FMID
CAR2107	LU01893	CUGRK00
	LU01892	CPPAK00
	LU01891	CINSK00
	LU01869	CPLAK00
	LU01860	CPDAK00
	LU01841	CPDTK00
	LU01837	CINSK00
	LU01829	CIDBK00
	LU01799	CPDTK00
	LU01760	CINSK00
	LU01757	CINSK00
	LU01750	CIDBK00
	LU01732	CPSAK00
	LU01727	CPFUK00
	LU01720	CPFLK00
	LU01717	CUGRK00
	LU01706	CRCQK00
	LU01705	CINSK00
	LU01696	CINSK00
	LU01695	CPRAK00
	LU01694	CINSK00
	LU01683	CINSK00
	LU01673	CINSK00
	LU01666	CIDBK00
	LU01648	CINSK00
	LU01626	CPDAK00
	LU01625	CINSK00
	LU01610	CINSK00
	LU01581	CIDBK00
	LU01575	CINSK00
	LU01556	CIDBK00
	LU01551	CPPAK00
	LU01550	CINSK00
	LU01543	CPSAK00
	LU01542	CPDTK00
	LU01541	CIDBK00
	LU01538	CPLAK00
	LU01534	CUGRK00
	LU01526	CINSK00
	LU01525	CIDBK00
	LU01513	CIDBK00
	LU01508	CINSK00
	LU01405	CINSK00
	LU01362	CINSK00
	LU01357	CINSK00
CAR2106	LU01494	CINSK00
	LU01467	CPDTK00

CA RS Level	Service	FMID
	LU01432	CSQ2100
	LU01415	CPLAK00
	LU01410	CRCQK00
	LU01396	CPDTK00
	LU01393	CPDTK00
	LU01385	CPLAK00
	LU01384	CINSK00
	LU01380	CPUTK00
	LU01379	CPFLK00
	LU01378	CINSK00
	LU01376	CINSK00
	LU01367	CINSK00
	LU01352	CPUTK00
	LU01351	CPRRK00
	LU01350	CPFUK00
	LU01349	CPFLK00
	LU01338	CPDAK00
	LU01330	CRCQK00
	LU01321	CPRFK00
	LU01311	CPFUK00
	LU01293	CIDBK00
	LU01292	CUGRK00
	LU01291	CPUTK00
	LU01286	CINSK00
	LU01275	CINSK00
	LU01265	CINSK00
	LU01222	COFSK00
	LU01215	CPDTK00
	LU01208	CRCQK00
	LU01182	CUGRK00
	LU01181	CPRAK00
	LU01180	CPLAK00
	LU01179	COFSK00
	LU01178	CINSK00
	LU01175	CIDBK00
	LU01166	CIDBK00
	LU01165	CPFUK00
	LU01164	CIDBK00
	LU01151	CINSK00
	LU01135	CUGRK00
	LU01127	CUGRK00
	LU01122	COFSK00
	LU01121	CINSK00
	LU01118	CINSK00
	LU01107	COFSK00
	LU01106	CINSK00
	LU01102	CPRFK00

CA RS Level	Service	FMID
	LU01089	CPDAK00
	LU01043	CPLAK00
	LU00983	CPFLK00
CAR2105	LU01126	CPDAK00
	LU01100	CIDBK00
	LU01068	CPPAK00
	LU01056	CINSK00
	LU01053	COFSK00
	LU01042	CIDBK00
	LU01041	CIDBK00
	LU01040	CPLAK00
	LU01039	CINSK00
	LU01035	CIDBK00
	LU01030	CIDBK00
	LU01002	CPDTK00
	LU00989	CINSK00
	LU00982	CIDBK00
	LU00973	CUGRK00
	LU00968	CINSK00
	LU00964	CIDBK00
	LU00940	CPLAK00
	LU00938	CPDTK00
	LU00937	CINSK00
	LU00925	CINSK00
	LU00923	CPUTK00
	LU00921	CINSK00
	LU00914	CINSK00
	LU00903	CPLAK00
	LU00891	CPDAK00
	LU00890	CINSK00
	LU00887	CPUTK00
	LU00886	CPFUK00
	LU00882	CPLAK00
	LU00881	CIDBK00
	LU00863	CPFUK00
	LU00859	CPSAK00
	LU00858	CPDTK00
	LU00847	CINSK00
	LU00839	CINSK00
	LU00795	CUGRK00
	LU00794	CINSK00
	LU00769	CRCXK00
	LU00768	CPDTK00
	LU00759	CPLAK00
	LU00698	CINSK00
	LU00697	CIDBK00
	LU00678	CINSK00

CA RS Level	Service	FMID
	LU00592	CINSK00
	LU00581	CPRFK00
CAR2104	LU00728	CUGRK00
	LU00727	CPUTK00
	LU00726	CPRRK00
	LU00725	CPLAK00
	LU00724	CPFLK00
	LU00723	CINSK00
	LU00689	CUGRK00
	LU00684	CPDTK00
	LU00672	CPLAK00
	LU00659	CSQ2100
	LU00646	CPPAK00
	LU00645	CPBAK00
	LU00644	COFSK00
	LU00643	CINSK00
	LU00639	CINSK00
	LU00635	CPDAK00
	LU00613	CINSK00
	LU00597	CPLAK00
	LU00576	CPSAK00
	LU00568	CINSK00
	LU00565	CSQ2100
	LU00549	CPDTK00
	LU00545	CIDBK00
	LU00532	CRCQK00
	LU00531	COFSK00
	LU00530	CINSK00
	LU00524	CPDTK00
	LU00523	CINSK00
	LU00511	CRCUK00
	LU00510	CINSK00
	LU00509	CINSK00
	LU00508	CINSK00
	LU00500	CPSAK00
	LU00480	CPLAK00
	LU00475	CPDAK00
	LU00452	CPRRK00
	LU00450	CRCXK00
	LU00449	CRCUK00
	LU00448	CRCMK00
	LU00447	CPFUK00
	LU00446	CINSK00
	LU00440	CPPAK00
	LU00439	CPBAK00
	LU00438	CINSK00
	LU00437	CPUTK00

CA RS Level	Service	FMID
	LU00436	CPFLK00
	LU00435	CINSK00
	LU00434	CIDBK00
	LU00433	CRCUK00
	LU00432	CINSK00
	LU00427	CIDBK00
	LU00426	CINSK00
	LU00413	CRCQK00
	LU00412	CINSK00
	LU00411	CRCXK00
	LU00402	CPDTK00
	LU00400	CPRFK00
	LU00399	CINSK00
	LU00381	CPDAK00
	LU00368	CINSK00
	LU00359	CINSK00
	LU00342	CRCXK00
	LU00341	CRCUK00
	LU00340	CRCXK00
	LU00339	CRCQK00
	LU00338	CRCMK00
	LU00337	CPUTK00
	LU00336	CPRAK00
	LU00335	CPLAK00
	LU00334	CPDTK00
	LU00333	CPDAK00
	LU00332	CINSK00
	LU00331	CIDBK00
	LU00330	CAHOK00
	LU00314	CPDAK00
	LU00304	CPUTK00
	LU00303	CPRRK00
	LU00302	CPFUK00
	LU00301	CPFLK00
	LU00299	CIDBK00
	LU00283	CINSK00
	LU00277	CINSK00
	LU00275	CUGRK00
	LU00177	CPUTK00
CAR2103	SO16295	CIDBK00
	SO15817	CUGRK00
	SO14357	CIDBK00
	SO13729	CRCQK00
	LU00356	CPLAK00
	LU00329	CPDTK00
	LU00282	CIDBK00
	LU00281	CPFUK00

CA RS Level	Service	FMID
	LU00257	CPDAK00
	LU00256	CPDAK00
	LU00254	CINSK00
	LU00253	CIDBK00
	LU00250	CPRFK00
	LU00248	CPUTK00
	LU00247	CPFLK00
	LU00246	CIDBK00
	LU00242	CINSK00
	LU00240	CPDTK00
	LU00238	CPLAK00
	LU00237	CINSK00
	LU00227	CINSK00
	LU00217	CPFUK00
	LU00216	CINSK00
	LU00207	CPRFK00
	LU00194	CPUTK00
	LU00178	CPFLK00
	LU00176	CPDTK00
	LU00165	CPLAK00
	LU00162	CINSK00
	LU00159	CIDBK00
	LU00152	CUGRK00
	LU00147	CRCQK00
	LU00146	CPDAK00
	LU00145	CINSK00
	LU00141	CUGRK00
	LU00140	CPUTK00
	LU00139	CPRRK00
	LU00138	CPLAK00
	LU00137	CPFUK00
	LU00136	CPFLK00
	LU00135	CINSK00
	LU00134	CIDBK00
	LU00133	CPUTK00
	LU00132	CPLAK00
	LU00131	CINSK00
	LU00127	CINSK00
	LU00124	CPDTK00
	LU00123	CINSK00
CAR2102	S016300	CIDBK00
	S016280	CIDBK00
	S016270	CIDBK00
	S016266	CPFUK00
	S016262	CPFUK00
	S016258	CPRFK00
	S016246	CPFLK00

CA RS Level	Service	FMID
	S016217	CPUTK00
	S016206	CPDAK00
	S016205	CINSK00
	S016200	CIDBK00
	S016195	CPFUK00
	S016194	CINSK00
	S016183	CINSK00
	S016181	CUGRK00
	S016176	CINSK00
	S016175	CPSAK00
	S016174	CPDTK00
	S016173	CINSK00
	S016165	CPRFK00
	S016160	CPRRK00
	S016149	CPRFK00
	S016133	COFSK00
	S016132	CINSK00
	S016116	CIDBK00
	S016113	CPDTK00
	S016107	CIDBK00
	S016090	CPUTK00
	S016089	CPFLK00
	S016088	CINSK00
	S016075	CPLAK00
	S016071	CRCQK00
	S016067	CINSK00
	S016057	CIDBK00
	S016053	CINSK00
	S016046	CIDBK00
	S016045	CINSK00
	S015980	CINSK00
	S015952	CIDBK00
	S015864	CINSK00
CAR2101	S016040	CINSK00
	S016032	CINSK00
	S016031	CINSK00
	S016024	CINSK00
	S016001	CINSK00
	S015998	CINSK00
	S015939	CPUTK00
	S015938	CPFLK00
	S015937	CINSK00
	S015935	CPSAK00
	S015931	CIDBK00
	S015927	CPDTK00
	S015913	CIDBK00
	S015908	CINSK00

CA RS Level	Service	FMID
	S015895	CPLAK00
	S015868	CINSK00
	S015867	CINSK00
	S015863	CINSK00
	S015843	CPDTK00
	S015816	CRCQK00
	S015807	CRCXK00
	S015806	CRCUK00
	S015805	CPFUK00
	S015804	CINSK00
	S015789	CINSK00
	S015775	CPRFK00
	S015774	CPRFK00
	S015770	CINSK00
	S015761	CIDBK00
	S015760	CINSK00
	S015711	CUGRK00
	S015710	CPUTK00
	S015709	CINSK00
CAR2012	S015771	CPFLK00
	S015767	CPFUK00
	S015740	CPUTK00
	S015739	CPRRK00
	S015738	CPFLK00
	S015723	CPDTK00
	S015697	CRCQK00
	S015691	CPPAK00
	S015690	CINSK00
	S015652	CPUTK00
	S015650	COFSK00
	S015647	CIDBK00
	S015613	CINSK00
	S015609	CUGRK00
	S015585	CPRRK00
	S015573	CPDTK00
	S015541	CPUTK00
	S015531	CPLAK00
	S015506	CINSK00
	S015499	CPDTK00
	S015487	CUGRK00
	S015486	CPUTK00
	S015485	CPRRK00
	S015484	CPFLK00
	S015483	CPDAK00
	S015482	CINSK00
	S015480	CUTSK00
	S015457	CPUTK00

CA RS Level	Service	FMID
	S015456	CPLAK00
	S015455	CINSK00
	S015450	CRCQK00
	S015449	CINSK00
	S015444	CINSK00
	S015440	COFSK00
	S015395	CPDTK00
	S015394	CINSK00
	S015193	CINSK00
CAR2011	S015314	CPUTK00
	S015313	CPRRK00
	S015312	CPFLK00
	S015311	CINSK00
	S015308	CUGRK00
	S015271	CPUTK00
	S015255	CPRFK00
	S015254	CIDBK00
	S015238	CPUTK00
	S015237	CPRRK00
	S015236	CPFUK00
	S015235	CPFLK00
	S015225	COFSK00
	S015220	CPLAK00
	S015215	CINSK00
	S015205	CINSK00
	S015199	CPDTK00
	S015191	CRCMK00
	S015184	CSQ2100
	S015174	CPUTK00
	S015132	CINSK00
	S015130	CPDAK00
	S015129	CINSK00
	S015124	CPRRK00
	S015122	CINSK00
	S015094	CPSAK00
	S015086	CPFUK00
	S015075	CINSK00
	S015074	CPUTK00
	S015073	CPDTK00
	S015072	CINSK00
	S015070	CIDBK00
	S015064	CPLAK00
	S015062	COFSK00
	S015061	CINSK00
	S015049	CIDBK00
	S015045	CINSK00
	S015031	CINSK00

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All CA RS Levels Service List

CA RS Level	Service	FMID
	S015015	CPFLK00
	S015004	CINSK00
CAR2010	S014984	CPFUK00
	S014949	CPLAK00
	S014923	CIDBK00
	S014902	CPPAK00
	S014901	CINSK00
	S014899	CINSK00
	S014883	CIDBK00
	S014876	CINSK00
	S014874	CINSK00
	S014866	CPLAK00
	S014865	CINSK00
	S014864	CIDBK00
	S014863	CUGRK00
	S014861	CPSAK00
	S014860	CPDTK00
	S014859	CINSK00
	S014853	CIDBK00
	S014843	CIDBK00
	S014842	CPRFK00
	S014836	CPBAK00
	S014835	CINSK00
	S014833	CRCUK00
	S014832	CINSK00
	S014827	CINSK00
	S014782	CPDTK00
	S014773	CPUTK00
	S014772	CPFLK00
	S014771	CINSK00
	S014756	CINSK00
	S014754	CIDBK00
	S014732	CPDAK00
	S014731	CINSK00
	S014721	CINSK00
	S014716	CINSK00
	S014694	CPFLK00
	S014681	CPSAK00
	S014680	CPDTK00
	S014675	CPRFK00
	S014655	COFSK00
	S014642	CIDBK00
CAR2009	S014641	CUGRK00
	S014640	CPRRK00
	S014639	CINSK00
	S014634	CINSK00
	S014624	CIDBK00

CA RS Level	Service	FMID
	S014623	CINSK00
	S014615	CINSK00
	S014613	CPLAK00
	S014583	CINSK00
	S014570	COFSK00
	S014568	CUGRK00
	S014567	CPUTK00
	S014566	CINSK00
	S014565	CPDAK00
	S014531	CIDBK00
	S014502	CPUTK00
	S014501	CPFUK00
	S014500	CINSK00
	S014491	CINSK00
	S014483	CUGRK00
	S014452	CPLAK00
	S014433	CPFLK00
	S014428	CPUTK00
	S014427	CPFLK00
	S014426	CRCQK00
	S014404	CPRFK00
	S014401	CINSK00
	S014400	CPPAK00
	S014397	CPDTK00
	S014383	CPUTK00
	S014382	CPFUK00
	S014381	CINSK00
	S014338	CPDTK00
	S014335	CRCQK00
	S014310	CUTSK00
	S014307	CRCQK00
	S014299	CPDTK00
	S014298	CINSK00
	S014295	CINSK00
	S014282	CINSK00
	S014277	CPUTK00
	S014276	CPRRK00
	S014275	CINSK00
	S014267	CPDTK00
	S014254	CIDBK00
	S014228	CIDBK00
	S014175	CPDAK00
	S014174	CINSK00
	S014126	COFSK00
	S014125	CINSK00
	S014028	CPFUK00
	S014027	CINSK00

CA RS Level	Service	FMID
	S013888	CINSK00
CAR2008	S014252	CPFLK00
	S014235	CPDTK00
	S014173	CINSK00
	S014168	CINSK00
	S014164	CIDBK00
	S014142	CPLAK00
	S014137	CPLAK00
	S014101	CRCQK00
	S014099	CIDBK00
	S014093	CIDBK00
	S014054	CPUTK00
	S014053	CPFUK00
	S014052	CINSK00
	S014036	CUGRK00
	S014035	CPUTK00
	S014034	CPRRK00
	S014033	CPLAK00
	S014032	CPFUK00
	S014031	CPFLK00
	S014030	CPDAK00
	S014029	CINSK00
	S014025	CPFLK00
	S014016	CIDBK00
	S013990	COFSK00
	S013988	CPPAK00
	S013987	CPDTK00
	S013986	CPDAK00
	S013985	CINSK00
	S013982	CSQ2100
	S013974	CINSK00
	S013973	CINSK00
	S013961	CPUTK00
	S013960	CPFUK00
	S013930	CINSK00
	S013909	CPXNK00
	S013908	CINSK00
	S013891	CIDBK00
	S013889	CPDTK00
	S013887	CPDTK00
	S013881	CUGRK00
	S013880	CPUTK00
	S013879	CPLAK00
	S013878	CINSK00
	S013842	CRCXK00
	S013839	CINSK00
	S013827	CINSK00

CA DB2 Tools 20.0
All CA RS Levels Service List

CA RS Level	Service	FMID
	S013825	CIDBK00
	S013814	CINSK00
	S013807	CINSK00
	S013794	CINSK00
	S013781	COFSK00
	S013768	CUGRK00
	S013767	CPUTK00
	S013766	CPFUK00
	S013765	CPFLK00
	S013764	CINSK00
	S013758	COFSK00
	S013726	CINSK00
	S013711	CINSK00
	S013709	CPUTK00
	S013708	CPRRK00
	S013707	CPFUK00
	S013706	CPFLK00
	S013574	CINSK00
CAR2007	S013761	CPDTK00
	S013730	CPRFK00
	S013718	CPLAK00
	S013717	CINSK00
	S013686	CUGRK00
	S013685	CPUTK00
	S013684	CPFUK00
	S013683	CPDAK00
	S013682	CINSK00
	S013676	CINSK00
	S013668	CRCQK00
	S013655	CPDTK00
	S013635	CPRRK00
	S013633	CPPAK00
	S013627	CUGRK00
	S013626	CPUTK00
	S013625	CPLAK00
	S013624	CINSK00
	S013616	CPDTK00
	S013596	CPUTK00
	S013586	CUGRK00
	S013584	CPDAK00
	S013557	CIDBK00
	S013539	CINSK00
	S013515	CIDBK00
	S013509	CINSK00
	S013508	CIDBK00
	S013484	CINSK00
	S013456	CRCXK00

CA RS Level	Service	FMID
	S013453	CINSK00
	S013450	CPDTK00
	S013437	CPFUK00
	S013421	CPSAK00
	S013417	CINSK00
	S013341	CINSK00
	S013340	CINSK00
	S013273	CINSK00
	S012794	CINSK00
CAR2006	S013352	CINSK00
	S013339	CPRRK00
	S013329	CPSAK00
	S013320	CINSK00
	S013319	CPFUK00
	S013316	CPUTK00
	S013308	CINSK00
	S013307	CAHOK00
	S013306	CRCUK00
	S013234	CPLAK00
	S013230	CINSK00
	S013229	CINSK00
	S013224	CPLAK00
	S013213	CINSK00
	S013206	CUGRK00
	S013205	CPUTK00
	S013204	CPRRK00
	S013203	CPFLK00
	S013193	CINSK00
	S013176	CPRRK00
	S013175	CPFLK00
	S013154	CINSK00
	S013153	CPUTK00
	S013152	CPRRK00
	S013151	CPFUK00
	S013150	CPFLK00
	S013149	CINSK00
	S013130	CUGRK00
	S013112	CRCUK00
	S013111	CINSK00
	S013098	CPUTK00
	S013097	CPFLK00
	S013096	CINSK00
	S013091	CPDTK00
	S013083	CRCQK00
	S013080	CINSK00
	S013075	CINSK00
	S013074	CPDTK00

CA RS Level	Service	FMID
	S013071	CINSK00
	S013066	CPFLK00
	S013044	CINSK00
	S013032	CIDBK00
	S013024	CUGRK00
	S013009	CPLAK00
	S013005	CIDBK00
	S012999	CINSK00
	S012994	CINSK00
	S012984	CPFLK00
	S012958	CTGRK00
	S012921	CPDTK00
	S012853	CUGRK00
	S012852	CPSAK00
	S012851	CINSK00
CAR2005	S012966	CPSAK00
	S012943	CPPAK00
	S012942	CINSK00
	S012937	CRCXK00
	S012936	CRCUK00
	S012935	CPLAK00
	S012934	CPFUK00
	S012933	CINSK00
	S012927	CPUTK00
	S012926	CPSAK00
	S012925	CPDTK00
	S012924	CINSK00
	S012904	CINSK00
	S012902	CUGRK00
	S012901	CPUTK00
	S012900	CPLAK00
	S012899	CINSK00
	S012896	CIDBK00
	S012889	CPLAK00
	S012829	CINSK00
	S012821	CPDTK00
	S012819	CINSK00
	S012817	CINSK00
	S012812	CINSK00
	S012808	CPDTK00
	S012797	CPLAK00
	S012792	CINSK00
	S012783	CRCQK00
	S012769	CIDBK00
	S012764	CINSK00
	S012763	CPLAK00
	S012754	CPSAK00

CA RS Level	Service	FMID
	S012751	CINSK00
	S012730	CPUTK00
	S012717	CPUTK00
	S012716	CPRRK00
	S012715	CINSK00
	S012706	CIDBK00
	S012657	CRCUK00
	S012656	CPUTK00
	S012655	CPPAK00
	S012654	CPLAK00
	S012653	CPFUK00
	S012652	CPDTK00
	S012651	CPDAK00
	S012650	CINSK00
	S012624	CPDAK00
	S012586	CUGRK00
	S012585	CPFLK00
	S012553	CRCXK00
	S012547	CINSK00
	S012539	CPSAK00
	S012538	CPDTK00
	S012537	CINSK00
	S012536	CIDBK00
	S012530	CUGRK00
	S012529	CPUTK00
	S012528	CPRRK00
	S012527	CPFUK00
	S012526	CPFLK00
	S012525	CINSK00
	S012524	CINSK00
	S012501	CSQ2100
	S012487	CPLAK00
	S012483	CIDBK00
	S012429	CPDTK00
	S012428	CIDBK00
	S012412	COFSK00
	S012368	CPPAK00
	S012367	CINSK00
	S012366	CRCXK00
	S012365	CRCUK00
	S012364	CPLAK00
	S012363	CPFUK00
	S012362	COFSK00
	S012361	CINSK00
	S012304	CRCUK00
CAR2004	S012426	CPDTK00
	S012400	CRCXK00

CA DB2 Tools 20.0
All CA RS Levels Service List

CA RS Level	Service	FMID
	S012397	CIDBK00
	S012396	CINSK00
	S012352	CUGRK00
	S012323	CINSK00
	S012279	CUGRK00
	S012278	CPUTK00
	S012277	CPRRK00
	S012276	CPFUK00
	S012275	CPFLK00
	S012274	CINSK00
	S012268	CINSK00
	S012267	CPPAK00
	S012249	CINSK00
	S012235	CUGRK00
	S012234	CUGRK00
	S012229	CRCQK00
	S012228	CINSK00
	S012219	CINSK00
	S012197	CPFUK00
	S012196	CIDBK00
	S012174	CPUTK00
	S012173	CPLAK00
	S012164	CINSK00
	S012159	CINSK00
	S012155	CUGRK00
	S012154	CTGRK00
	S012153	CPUTK00
	S012152	CPRRK00
	S012151	CPFUK00
	S012150	CPFLK00
	S012149	CINSK00
	S012147	CINSK00
	S012131	CPDTK00
	S012128	CPFLK00
	S012115	CINSK00
	S012078	CIDBK00
	S012076	CINSK00
	S012068	CPPAK00
	S012067	CINSK00
	S011977	CIDBK00
CAR2003	S012133	CIDBK00
	S012132	CINSK00
	S012110	CUGRK00
	S012109	CPRRK00
	S012108	CPFUK00
	S012107	CPFLK00
	S012106	CINSK00

CA RS Level	Service	FMID
	S012042	CINSK00
	S012031	CINSK00
	S012018	CUGRK00
	S012012	CRCQK00
	S012011	CINSK00
	S012000	CUGRK00
	S011999	CPUTK00
	S011998	CPRRK00
	S011997	CPFUK00
	S011996	CPFLK00
	S011995	CINSK00
	S011993	CPFUK00
	S011988	CINSK00
	S011983	CPDTK00
	S011981	CPUTK00
	S011976	CRCQK00
	S011971	CRCXK00
	S011970	CRCUK00
	S011969	CPLAK00
	S011968	CPFUK00
	S011967	COFSK00
	S011966	CINSK00
	S011957	CINSK00
	S011947	CPUTK00
	S011946	CPFLK00
	S011945	CINSK00
	S011942	CINSK00
	S011931	CPDAK00
	S011930	CUGRK00
	S011929	CUGRK00
	S011921	COFSK00
	S011868	CRCXK00
	S011867	CRCUK00
	S011866	CINSK00
	S011863	CINSK00
	S011862	CPUTK00
	S011861	CPRRK00
	S011849	CPUTK00
	S011848	CPUTK00
	S011847	CPRRK00
	S011846	CPFLK00
	S011843	CPSAK00
	S011806	CINSK00
	S011782	CPLAK00
	S011773	CUGRK00
	S011768	CPPAK00
	S011767	CPBAK00

CA RS Level	Service	FMID
	S011766	CINSK00
	S011737	CINSK00
	S011717	CPDTK00
	S011686	CUGRK00
	S011685	CPUTK00
	S011684	CINSK00
	S011675	CIDBK00
CAR2002	S011810	CPPAK00
	S011809	CPLAK00
	S011808	CPBAK00
	S011807	CINSK00
	S011780	CIDBK00
	S011731	CPRFK00
	S011701	CPDAK00
	S011700	CINSK00
	S011696	CINSK00
	S011695	CPSAK00
	S011694	CPDTK00
	S011693	CIDBK00
	S011691	CINSK00
	S011679	CINSK00
	S011674	CINSK00
	S011669	CPLAK00
	S011646	CUGRK00
	S011645	CPRRK00
	S011644	CPFUK00
	S011643	CPFLK00
	S011625	CPSAK00
	S011624	CPDTK00
	S011623	CINSK00
	S011616	CIDBK00
	S011608	CPXNK00
	S011606	CPDTK00
	S011605	CUGRK00
	S011604	CPUTK00
	S011603	CPRRK00
	S011602	CPFUK00
	S011601	CPFLK00
	S011583	CPLAK00
	S011576	CINSK00
	S011567	CPPAK00
	S011566	CINSK00
	S011547	CINSK00
	S011534	CINSK00
	S011521	CPUTK00
	S011520	CPFLK00
	S011499	CPDTK00

CA RS Level	Service	FMID
	S011476	CPFUK00
	S011475	CINSK00
	S011468	CINSK00
	S011465	CIDBK00
	S011452	CIDBK00
	S011433	CPUTK00
	S011432	CPRRK00
	S011431	CPFLK00
	S011430	CINSK00
	S011419	CPLAK00
	S011382	CUGRK00
	S011373	CINSK00
	S011333	CINSK00
	S011325	CPFLK00
	S011296	CPRFK00
	S011231	CINSK00
	S011086	CUGRK00
CAR2001	S011345	CPSAK00
	S011323	CUGRK00
	S011317	CINSK00
	S011263	CPDTK00
	S011261	CINSK00
	S011255	CINSK00
	S011239	CUGRK00
	S011238	CPUTK00
	S011237	CPRRK00
	S011236	CPFUK00
	S011235	CPFLK00
	S011234	CINSK00
	S011222	CPRRK00
	S011221	CINSK00
	S011201	CINSK00
	S011200	CPRRK00
	S011197	CRCQK00
	S011196	CINSK00
	S011180	COFSK00
	S011169	CUGRK00
	S011168	CPUTK00
	S011133	CRCQK00
	S011131	CPPAK00
	S011130	CPBAK00
	S011129	CINSK00
	S011114	CPUTK00
	S011113	CPLAK00
	S011112	CINSK00
	S011110	CPUTK00
	S011109	CPRRK00

CA RS Level	Service	FMID
	S011108	CPFUK00
	S011107	CPFLK00
	S011105	CRCUK00
	S011085	CPUTK00
	S011084	CINSK00
	S011083	CUGRK00
	S011080	CPRRK00
	S011079	CRCXK00
	S011078	CINSK00
	S011052	CPFUK00
	S011048	CINSK00
	S011017	CPDAK00
	S011013	CPFUK00
	S011009	CUTSK00
	S010978	CINSK00
	S010975	CRCUK00
	S010974	CINSK00
	S010955	CPSAK00
	S010908	CPDTK00
	S010907	CINSK00
	S010906	CIDBK00
	S010867	CPSAK00
	S010835	CINSK00
	S010817	CPRAK00
	S010739	CIDBK00
	S010662	CINSK00
	S010278	CPPAK00
	S010277	CPBAK00
CAR1912	S011039	CPRRK00
	S010948	CINSK00
	S010921	CPDTK00
	S010920	CINSK00
	S010872	CINSK00
	S010871	CINSK00
	S010827	CINSK00
	S010819	CUGRK00
	S010818	CUGRK00
	S010815	CINSK00
	S010789	CAHOK00
	S010788	CINSK00
	S010763	CINSK00
	S010760	CINSK00
	S010752	CPFLK00
	S010750	CINSK00
	S010716	CIDBK00
	S010714	CPPAK00
	S010713	CPBAK00

CA RS Level	Service	FMID
	S010712	CINSK00
	S010703	CINSK00
	S010679	CPRRK00
	S010678	CPUTK00
	S010677	CPLAK00
	S010676	CINSK00
	S010661	CRCQK00
	S010652	CPDTK00
	S010641	CPLAK00
	S010639	CINSK00
	S010631	CINSK00
	S010626	CPFUK00
	S010625	CPRRK00
	S010608	CPUTK00
	S010549	CINSK00
	S010512	CINSK00
	S010495	CPUTK00
	S010417	CINSK00
	S010405	CIDBK00
	S010401	CUGRK00
	S010165	CUGRK00
	S009802	CINSK00
CAR1911	S010553	CUGRK00
	S010538	CPDTK00
	S010532	CRCQK00
	S010521	CPDTK00
	S010514	CINSK00
	S010505	CPRRK00
	S010492	CPDTK00
	S010474	CPUTK00
	S010470	CUTSK00
	S010469	CINSK00
	S010468	CRCQK00
	S010442	CPFUK00
	S010437	CINSK00
	S010430	CRCQK00
	S010390	CPLAK00
	S010389	CINSK00
	S010365	CPRFK00
	S010347	CPRFK00
	S010331	CINSK00
	S010323	CINSK00
	S010321	CRCQK00
	S010306	CUGRK00
	S010292	CINSK00
	S010288	CPRFK00
	S010281	CINSK00

CA RS Level	Service	FMID
	S010268	CRCQK00
	S010250	COFSK00
	S010248	CIDBK00
	S010243	CINSK00
	S010236	CUTSK00
	S010201	CUGRK00
	S010200	CINSK00
	S010175	CPFUK00
	S010174	CINSK00
	S010173	CINSK00
	S010071	CTGRK00
	S010059	CTGRK00
	S010007	CPRRK00
	S010000	CPPAK00
	S009999	CINSK00
	S009978	CPUTK00
	S009977	CPFLK00
	S009976	CINSK00
	S009945	CINSK00
	S009911	CUGRK00
	S009797	CINSK00
CAR1910	S010196	CPUTK00
	S010195	CPFLK00
	S010194	CINSK00
	S010163	CRCQK00
	S010162	CINSK00
	S010160	CIDBK00
	S010129	CAHOK00
	S010107	CPFUK00
	S010080	CINSK00
	S010069	CINSK00
	S010066	CINSK00
	S010061	CINSK00
	S010046	CINSK00
	S010044	CUGRK00
	S010043	CPFUK00
	S010042	CPDAK00
	S010041	CINSK00
	S010038	CPUTK00
	S010029	COFSK00
	S010028	CINSK00
	S010023	CPFUK00
	S010021	CINSK00
	S010018	CPDTK00
	S010004	CINSK00
	S010001	CUGRK00
	S009974	CUGRK00

CA RS Level	Service	FMID
	S009973	CPUTK00
	S009954	CPRRK00
	S009929	CINSK00
	S009905	CPRRK00
	S009903	CUGRK00
	S009902	CPUTK00
	S009901	CPRRK00
	S009900	CPFLK00
	S009893	CINSK00
	S009892	CINSK00
	S009877	CINSK00
	S009867	CUGRK00
	S009866	CRCSK00
	S009865	CRCQK00
	S009864	CPRFK00
	S009863	CPRAK00
	S009862	CPPAK00
	S009861	CPDAK00
	S009860	CINSK00
	S009859	CIDBK00
	S009858	CAHOK00
	S009857	CINSK00
	S009854	CPUTK00
	S009852	CRCQK00
	S009851	CINSK00
	S009839	CINSK00
	S009818	CINSK00
	S009811	CPDTK00
	S009799	CINSK00
	S009787	CPPAK00
	S009786	CPBAK00
	S009785	CINSK00
	S009766	CUGRK00
	S009765	CPUTK00
	S009764	CPFUK00
	S009763	CPDAK00
	S009762	COFSK00
	S009761	CINSK00
CAR1909	S009828	CPDTK00
	S009796	CINSK00
	S009790	CINSK00
	S009759	CRCQK00
	S009748	CUGRK00
	S009743	CIDBK00
	S009742	CUGRK00
	S009714	CPRAK00
	S009708	CIDBK00

CA RS Level	Service	FMID
	S009693	CINSK00
	S009675	CPFUK00
	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

CA RS Level	Service	FMID
	S009147	CUGRK00
	S009146	CINSK00
	S009135	CPUTK00
	S009133	CPLAK00
	S009132	CUGRK00
	S009130	CINSK00
	S009129	CRCQK00
	S009128	COFSK00
	S009126	CINSK00
	S009125	CINSK00
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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	CRCCK00
	S007822	CRCQK00
	S007821	CRCMK00
	S007820	CPUTK00
	S007819	CPSAK00
	S007818	CPRRK00
	S007815	CPRFK00
	S007814	CPPAK00
	S007813	CPLAK00
	S007812	CPFUK00
	S007811	CPFLK00
	S007810	CPDTK00
	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

CA RS Level	Service	FMID
CAR1903	S007169	CINSK00
	S007412	CINSK00
	S007384	CRCXK00
	S007383	CRCUK00
	S007382	CPLAK00
	S007381	CPFUK00
	S007380	COFSK00
	S007379	CINSK00
	S007369	CRCUK00
	S007323	CINSK00
	S007204	CPSAK00
	S007167	CINSK00
	S006978	CINSK00
CAR1902	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
	S006443	CPRFK00
	S006335	CPSAK00
	S006334	CPDTK00
	S006333	CIDBK00
	S006286	CINSK00

CA RS Level	Service	FMID
	S006275	CRCQK00
	S006237	CPDTK00
	S006132	CUGRK00
	S006131	CRCXK00
	S006130	CRCUK00
	S006129	CRC SK00
	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

CA RS Level	Service	FMID
	S005011	CINSK00
	S005010	CIDBK00
	S004949	CPUTK00
	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

CA RS Level	Service	FMID
	S004245	CPLAK00
	S004244	CINSK00
	S004155	CSQ2100
	S004129	CINSK00
	S004048	CUGRK00
	S004010	CPDAK00
	S003992	CPUTK00
	S003965	CINSK00
	S003960	CPDTK00
	S003959	CINSK00
	S003942	CPDTK00
	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	CRCCK00
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	R099562	CPRFK00
	R099561	CPRAK00
	R099560	CPPAK00
	R099559	CPLAK00
	R099558	CPFUK00
	R099557	CPFLK00
	R099556	CPDTK00
	R099555	CPDAK00
	R099554	COFSK00
	R099553	CINSK00
	R099552	CIDBK00
CAR1712	R099195	CPRFK00
	R098970	CUTSK00
	R098969	CPUTK00
	R098968	CPRRK00
	R098967	CINSK00
	R098859	CINSK00
	R098853	CPDTK00
	R098430	CPSAK00
	R098429	CPDTK00

CA RS Level	Service	FMID
	R098428	CIDBK00
CAR1711	R098496	CPRFK00
	R098251	CPSAK00
	R098088	CPDTK00
	R098087	CINSK00
CAR1710	R098041	CSQ2100
	R097923	CPDTK00
	R097922	CINSK00
	R097825	CPSAK00
	R097824	CPDTK00
	R097823	CINSK00
	R097722	CUGRK00
	R097721	CRCUK00
	R097720	CRCCK00
	R097719	CRCQK00
	R097718	CRCMK00
	R097717	CPUTK00
	R097716	CPSAK00
	R097715	CPRRK00
	R097712	CPRFK00
	R097711	CPRAK00
	R097710	CPPAK00
	R097709	CPLAK00
	R097708	CPFLK00
	R097707	CPDTK00
	R097706	CPDAK00
	R097705	COFSK00
	R097704	CINSK00
	R097703	CIDBK00
CAR1709	R097683	CIDBK00
	R097376	CSQ2100
CAR1708	R097169	CSQ2100
	R097090	CSQ2100
	R096595	CUGRK00
	R096594	CRCUK00
	R096593	CRCQK00
	R096592	CRCMK00
	R096591	CPXNK00
	R096590	CPUTK00
	R096589	CPSAK00
	R096588	CPRRK00
	R096585	CPRFK00
	R096584	CPPAK00
	R096583	CPLAK00
	R096582	CPFUK00
	R096581	CPFLK00
	R096580	CPDTK00

CA RS Level	Service	FMID
	R096579	CPDAK00
	R096578	CPBAK00
	R096577	COFSK00
	R096576	CINSK00
	R096575	CIDBK00
CAR1707	R096495	CSQ2100
	R096401	CUTSK00
CAR1706	R096169	CPSAK00
	R096168	CPDTK00
	R096167	CINSK00
	R096162	CPDAK00
	R096102	CSQ2100
	R096005	CUTSK00
	R096002	CUGRK00
	R095972	CUTSK00
	R095918	CUTSK00