

CA DB2 Tools 19.0
CA RS 1911 Service List

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Service	Description	Type
S009850	GENMM14E - PTLOMMGR LOGIC ERROR	PTF
S010058	SNAPSHOT GENERAL SERVICES ABENDS DUE TO INCOMPATIBLE CALLS	PTF
S010097	ABEND S0C1 NFSUMC+2C3C ON IQL FOR RECORD APM-APPL-SUM	PTF
S010254	DB2 ABENDS 0C1 IN DSNB1PLK	PTF
S010283	RETURN DEFAULT BEHAVIOR BEFORE R087632	PTF
S010284	RETURN DEFAULT BEHAVIOR BEFORE R087632	PTF
S010285	RETURN DEFAULT BEHAVIOR BEFORE R087632	PTF
S010294	RC/Q TX REPORT ON TRIGGER ENDS WITH S0C4 REASON CODE 3B	PTF
S010307	MODIFY LISTS STOPPED PROCESSING IF ANY OBJECT DOESN'T EXIST	PTF
S010312	COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV	PTF
S010313	COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV	PTF
S010314	COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV	PTF
S010391	BUFFERPOOL DISPLAY DOESN'T SHOW USE OF 1M/2G PAGE FRAMES	PTF
S010404	'ACCELERATOR ELIGIBLE' FIELD ALWAYS SET TO 'NO'	PTF
S010446	LOAD FAILS WITH LATE-TERM DISCARDS AND VERSIONED DATA	PTF
S010465	S0C7 ABEND WHEN COMPARING TABLES WITH FOREIGN KEYS	PTF
S010475	DSNU049I INVALID OPERAND WHEN HARNESSING IBM LOAD	PTF
S010506	DATA CORRUPTION IN PARTITIONED TS WITH CLUSTERING INDEX	*HIP/PRP*
S010595	INCORRECT ICL ALTER WHEN ADDING NEW BLANK PARAMETER NAME	PTF
S010607	S0C4 ABEND OR -204 SQLCODE WHEN ADDING A PBG PARTITION	PTF
The CA RS 1911 service count for this release is 20		

CA DB2 Tools
CA RS 1911 Service List for CIDBJ00

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FMID	Service	Description	Type
CIDBJ00	S010097	ABEND S0C1 NFSUMC+2C3C ON IQL FOR RECORD APM-APPL-SUM	PTF
	S010312	COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV	PTF
	S010391	BUFFERPOOL DISPLAY DOESN'T SHOW USE OF 1M/2G PAGE FRAMES	PTF
	S010404	'ACCELERATOR ELIGIBLE' FIELD ALWAYS SET TO 'NO'	PTF
The CA RS 1911 service count for this FMID is 4			

CA DB2 Tools
CA RS 1911 Service List for CINSJ00

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FMID	Service	Description	Type
CINSJ00	S009850	GENMM14E - PTLOMMGR LOGIC ERROR	PTF
	S010283	RETURN DEFAULT BEHAVIOR BEFORE R087632	PTF
	S010465	S0C7 ABEND WHEN COMPARING TABLES WITH FOREIGN KEYS	PTF
	S010595	INCORRECT ICL ALTER WHEN ADDING NEW BLANK PARAMETER NAME	PTF
The CA RS 1911 service count for this FMID is 4			

CA DB2 Tools
CA RS 1911 Service List for CPDTJ00

FMID	Service	Description	Type
CPDTJ00	S010254	DB2 ABENDS 0C1 IN DSNB1PLK	PTF
	S010313	COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV	PTF
The CA RS 1911 service count for this FMID is 2			

CA DB2 Tools
CA RS 1911 Service List for CPFLJ00

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FMID	Service	Description	Type
CPFLJ00	S010284	RETURN DEFAULT BEHAVIOR BEFORE R087632	PTF
	S010475	DSNU049I INVALID OPERAND WHEN HARNESSING IBM LOAD	PTF
The CA RS 1911 service count for this FMID is 2			

CA DB2 Tools
CA RS 1911 Service List for CPRRJ00

FMID	Service	Description	Type
CPRRJ00	S010506	DATA CORRUPTION IN PARTITIONED TS WITH CLUSTERING INDEX	*HIP/PRP*
The CA RS 1911 service count for this FMID is 1			

CA DB2 Tools
CA RS 1911 Service List for CPSAJ00

FMID	Service	Description	Type
CPSAJ00	S010314	COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV	PTF
The CA RS 1911 service count for this FMID is 1			

CA DB2 Tools
CA RS 1911 Service List for CPUTJ00

FMID	Service	Description	Type
CPUTJ00	S010285	RETURN DEFAULT BEHAVIOR BEFORE R087632	PTF
	S010446	LOAD FAILS WITH LATE-TERM DISCARDS AND VERSIONED DATA	PTF
	S010607	S0C4 ABEND OR -204 SQLCODE WHEN ADDING A PBG PARTITION	PTF
The CA RS 1911 service count for this FMID is 3			

CA DB2 Tools
CA RS 1911 Service List for CRCQJ00

FMID	Service	Description	Type
CRCQJ00	S010294	RC/Q TX REPORT ON TRIGGER ENDS WITH S0C4 REASON CODE 3B	PTF
The CA RS 1911 service count for this FMID is 1			

CA DB2 Tools
CA RS 1911 Service List for CTGRJ00

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FMID	Service	Description	Type
CTGRJ00	S010058	SNAPSHOT GENERAL SERVICES ABENDS DUE TO INCOMPATIBLE CALLS	PTF
The CA RS 1911 service count for this FMID is 1			

CA DB2 Tools
CA RS 1911 Service List for CUGRJ00

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FMID	Service	Description	Type
CUGRJ00	S010307	MODIFY LISTS STOPPED PROCESSING IF ANY OBJECT DOESN'T EXIST	PTF
The CA RS 1911 service count for this FMID is 1			

Service	Details
S009850	S009850 M.C.S. ENTRIES = ++PTF (S009850) GENMM14E - PTLOMMGR LOGIC ERROR PROBLEM DESCRIPTION: CA Database Analyzer for DB2 for z/OS (PDA) can fail when collecting statistics for an index when there is SQL activity. SYMPTOMS: Message in job output: GENMM14E - PTL@MMGR Logic Error: Requested key is beyond high used RBA. IMPACT: Statistics are not collected for the index. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Database Analyzer for DB2 for z/OS Version 19.0 CA Database Analyzer for DB2 for z/OS Version 20.0 Related Problem: PDA 1349 Copyright (C) 2019 CA. All rights reserved. R02221-D190-SP2 DESC(GENMM14E - PTLOMMGR LOGIC ERROR). ++VER (Z038) FMID (CINSJ00) PRE (R082136 R084302 R084515 R088655 R089639 R089801 R091309 R091771 R092931 R095268 S005138) SUP (R083498 R083911 ST09850 TR83498 TR83911)

Service	Details												
S010058	S010058 M.C.S. ENTRIES = ++PTF (S010058) SNAPSHOT GENERAL SERVICES ABENDS DUE TO INCOMPATIBLE CALLS PROBLEM DESCRIPTION: When Snapshot General Services subsystem is initialized with a code that is not internally compatible with the copy job, the copy job will abend. SYMPTOMS: The copy job will abend with S0C6 abend with the following symptoms: CCSR010E TGA-API S0C6 at 46E4D3D5 LMOD N/A CSECT N/A +N/A SNAPSHOT N/A CCSR060I BREAKING EVENT ADDRESS: 00000000 20258242 CCSR061I PSW: 07840000 80000000 00000000 46E4D3D5 CCSR062I ILC: 02 INTERRUPT CODE: 06 CCSR067I COMPLETION CODE S0C6 REASON CODE 00000006 CCSR064I DATA AT PSW 46E4D3CF : 00000000 00000000 00000000 CCSR065I HOME = 050C PRIMARY = 050C SECONDARY = 050C CCSR070I GR00 - GR01 00000000_7F62A74C 00000000_7F62A6F0 CCSR070I GR02 - GR03 00000000_00000022 00000000_3AE34000 CCSR070I GR04 - GR05 00000000_7F62A247 00000000_7F62A960 CCSR070I GR06 - GR07 00000000_7F62A628 00000000_7F6320E0 CCSR070I GR08 - GR09 00000000_7F62A228 00000000_7F6B4338 CCSR070I GR10 - GR11 00000000_A0258000 00000000_00000000 CCSR070I GR12 - GR13 00000000_7F62A4A4 00000000_7F62A628 CCSR070I GR14 - GR15 00000000_A0258244 00000000_C6E4D3D3 CCSR071I AR00 - AR03 00000000 00000000 00000000 00000000 CCSR071I AR04 - AR07 00000000 00000000 00000000 00000000 CCSR071I AR08 - AR11 00000000 00000000 00000000 00000000 CCSR071I AR12 - AR15 00000000 00000000 00000000 00000000 or will abend with S0C4 with the following symptoms: CCSR010E TGA-API S0C4 at 00093FCA LMOD N/A CSECT N/A +N/A SNAPSHOT N/A CCSR060I BREAKING EVENT ADDRESS: 00000000 20200242 CCSR061I PSW: 07841000 80000000 00000000 00093FCA CCSR062I ILC: 04 INTERRUPT CODE: 04 CCSR067I COMPLETION CODE S0C4 REASON CODE 00000004 CCSR063I TRANSLATION EXCEPTION ADDRESS: 00000000_00000480 CCSR064I DATA AT PSW 00093FC4 : C4C24040 00000160 00000000 CCSR065I HOME = 0549 PRIMARY = 0549 SECONDARY = 0549 CCSR070I GR00 - GR01 00000000_7F54574C 00000000_7F5456F0 CCSR070I GR02 - GR03 00000000_00000022 00000000_3AE21000 CCSR070I GR04 - GR05 00000000_7F545247 00000000_7F545960 CCSR070I GR06 - GR07 00000000_7F545628 00000000_7F54D0E0 CCSR070I GR08 - GR09 00000000_7F545228 00000000_7F5F52B0 CCSR070I GR10 - GR11 00000000_A0200000 00000000_00000000 CCSR070I GR12 - GR13 00000000_7F5454A4 00000000_7F545628 CCSR070I GR14 - GR15 00000000_A0200244 00000000_00093FC0 CCSR071I AR00 - AR03 00000000 00000000 00000000 00000000 CCSR071I AR04 - AR07 00000000 00000000 00000000 00000000 CCSR071I AR08 - AR11 00000000 00000000 00000000 00000000 CCSR071I AR12 - AR15 00000000 00000000 00000000 00000000 IMPACT: Snapshot General Services will fail to perform the copy operation. CIRCUMVENTION: Use the same code level for Snapshot General Services subsystem as well as for the copy job. PRODUCT(S) AFFECTED: <table> <tr> <td>Snapshot General Services</td><td>Version 19.0</td></tr> <tr> <td>Snapshot General Services</td><td>Version 20.0</td></tr> <tr> <td>CA Quick Copy for DB2 for z/OS</td><td>Version 19.0</td></tr> <tr> <td>CA Quick Copy for DB2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>CA Database Copier for IMS for z/OS</td><td>Version 19.0</td></tr> <tr> <td>CA Database Copier for IMS for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: TGR 279 Copyright (C) 2019 CA. All rights reserved. R02234-D190-SP2 DESC(SNAPSHOT GENERAL SERVICES ABENDS DUE TO INCOMPATIBLE CALLS). ++VER (Z038)	Snapshot General Services	Version 19.0	Snapshot General Services	Version 20.0	CA Quick Copy for DB2 for z/OS	Version 19.0	CA Quick Copy for DB2 for z/OS	Version 20.0	CA Database Copier for IMS for z/OS	Version 19.0	CA Database Copier for IMS for z/OS	Version 20.0
Snapshot General Services	Version 19.0												
Snapshot General Services	Version 20.0												
CA Quick Copy for DB2 for z/OS	Version 19.0												
CA Quick Copy for DB2 for z/OS	Version 20.0												
CA Database Copier for IMS for z/OS	Version 19.0												
CA Database Copier for IMS for z/OS	Version 20.0												

Service	Details
	<pre> FMID (CTGRJ00) PRE (R078677 R084244 R091036 R091786 R092363 R092951 S007457) SUP (ST10058) ++HOLD (S010058) SYSTEM FMID(CTGRJ00) REASON (ACTION) DATE (19274) COMMENT (+-----+ CA Snapshot General Services For DB2 Version 19.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Reinitialize Snapshot General Services +-----+-----+ USERS DB2 and IMS users of Snapshot General Services AFFECTED +-----+-----+ KNOWLEDGE * CA Database Management Solutions for DB2 for z/OS REQUIRED Installation and Maintenance procedures * CA Database Management Solutions for IMS for z/OS Installation and Maintenance procedures +-----+-----+ ACCESS Product runtime libraries REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** 1. Submit a job that invokes the TG10INIT program to reload all updated Snapshot General Services program modules.).</pre>

Service	Details
S010097	S010097 M.C.S. ENTRIES = ++PTF (S010097) ABEND S0C1 NFSUMC+2C3C ON IQL FOR RECORD APM-APPL-SUM PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) THREAD-GROUPS feature is not working properly. An attempt to use a request that processes the APM-APPL-SUM record will result in either 1) an S0C1 ABEND, 2) a request parsing error, or 3) no matching data in the report. SYMPTOMS: The data collector job log may shown an ABEND S0C1 in module NFSUMC. The user may see the error message: DBG55094E The DISPLAY subroutine has terminated abnormally or DBG02020E Summary Function not applicable to this field Results shown for requests that process the APM-APPL-SUM record are all zeros. IMPACT: Requests based on THREAD GROUPS are unusable. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 19.0 CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 2417 Copyright (C) 2019 CA. All rights reserved. R02235-D190-SP2 DESC(ABEND S0C1 NFSUMC+2C3C ON IQL FOR RECORD APM-APPL-SUM). ++VER (Z038) FMID (CIDBJ00) PRE (R078778 R079379 R079385 R079775 R080000 R080117 R080433 R080621 R081212 R081405 R081831 R081946 R082206 R082926 R083196 R083747 R083872 R084312 R084358 R084367 R084771 R085657 R086064 R086395 R086735 R087095 R087788 R087976 R088100 R090576 R091770 R092346 R092930 R094201 R094728 R095485 R097230 R098322 S001159 S004346 S005649) SUP (R084386 R087636 S000061 ST00061 ST10097 TR84386 TR87636)

Service	Details
S010254	M.C.S. ENTRIES = ++PTF (S010254) DB2 ABENDS 0C1 IN DSNB1PLK PROBLEM DESCRIPTION: CA Detector for DB2 for z/OS (PDT) may cause DB2 V12 to abend 0C1 in DSNB1PLK and crash when one or more bufferpools are defined with PGSTEAL(NONE). SYMPTOMS: DB2 terminates. IMPACT: DB2 terminates. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: CA Detector for DB2 for z/OS CA Detector for DB2 for z/OS Related Problem: PDT 1662 Copyright (C) 2019 CA. All rights reserved. R02239-D190-SP2 DESC(DB2 ABENDS 0C1 IN DSNB1PLK). ++VER (Z038) FMID (CPDTJ00) PRE (R078199 R078673 R079247 R079651 R079913 R080050 R080197 R080342 R080565 R080718 R080822 R081029 R081413 R082589 R083072 R083779 R085469 R085918 R087010 R087439 R087957 R088607 R088741 R091026 R091241 R091623 R092190 R092351 R092933 R093375 R094030 R094205 R094593 R094982 R095038 R095149 R095708 R095921 R096095 R096922 R097129 R097649 R098012 R098176 R098609 R098845 R098983 R099011 S001469 S001698 S001769 S001876 S003642 S005126 S005770 S006773 S007193 S007417 S008057 S008126 S008281 S008531 S009346 S010019) SUP (AS03642 AS08281 BS03642 R084456 R084899 R085001 R085659 R086718 R089230 R090442 R091332 R098549 R099894 S001835 S004031 S004216 S004410 S004632 S005415 S005924 S006969 S007181 S008445 S009739 ST00496 ST01835 ST04031 ST04216 ST04410 ST04632 ST05415 ST05924 ST06969 ST07033 ST07181 ST08445 ST09739 ST10254 TR77302 TR77303 TR80342 TR80718 TR81413 TR82589 TR83072 TR84456 TR84899 TR85001 TR85659 TR85847 TR86384 TR86718 TR89230 TR90329 TR90442 TR91332 TR98525 TR98528 TR98549 TR98885 TR98894 TR99894) ++HOLD (S010254) SYSTEM FMID(CPDTJ00) REASON (RESTART) DATE (19275) COMMENT (+-----+ CA Detector for DB2 for z/OS Version 19.0 +-----+ 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.

Service	Details
	<pre> 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				
S010283	S010283 M.C.S. ENTRIES = ++PTF (S010283) The following items are included in this solution: 1. RETURN DEFAULT BEHAVIOR BEFORE R087632 2. PUT6031E AND PUT9800E ISSUED WHEN LATE-TERM DISCARDING ===== RETURN DEFAULT BEHAVIOR BEFORE R087632 PROBLEM DESCRIPTION: PTF R087632 for CA Fast Load for DB2 for z/OS (PFL) R19 incorrectly changed the default duplicate key check behavior when there is a unique index on a loaded table and the following keywords are specified: OUTPUT-CONTROL ALL RESUME YES REBUILD-INDEX NO DISCARDS 1 After PTF R087632 was applied, PFL did not check the data being loaded against the data already in the object for duplicates. This could lead to a late term discard process where PFL undid any changes made to the objects before any duplicate index key was detected (because DISCARDS 1 is specified). PFL R20 contains the changes from R19 PTF R087632 in the base installation. This PTF returns the default behavior to that before PTF R087632. After this PTF is applied, PFL will detect duplicate keys before any load takes place when there is a unique index on a loaded table and the above keywords are specified. In addition, the new PREDETERMINE-DUPS keyword is introduced which allows you to determine when duplicate keys are checked. This keyword can be specified in the SYSIN or hlq.CDBAPARM(UTIL). SYMPTOMS: The following messages are printed in the PTIMSG output when the duplicate keys are encountered and the discard limit is reached: PFL0218E - Load Processing Stopped due to "DISCARDS 1" Option RecordID: 0001000000000001 PFL4018W - Errors causing rows to be discarded exceeded 1,000 PFL4018W - Errors causing rows to be discarded exceeded 2,000 ... PFL0215I - Discard Deletion Phase Beginning PFL4018W depends on DISCARD-WARN setting. IMPACT: Unexpected behavior change after installation of R087632 or upgrading to PFL R20. CIRCUMVENTION: Specify the following keyword in the PFL job: PREDETERMINE-DUPS YES PRODUCT(S) AFFECTED: <table> <tr> <td>CA Fast Load for DB2 for z/OS</td><td>Version 19.0</td></tr> <tr> <td>CA Fast Load for DB2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PFL 1274 ===== PUT6031E AND PUT9800E ISSUED WHEN LATE-TERM DISCARDING PROBLEM DESCRIPTION: CA Fast Load for DB2 for z/OS (PFL) can issue error messages PUT6031E and PUT9800E when REBUILD INDEX NO RESUME YES and PREDETERMINE-DUPS NO are specified. SYMPTOMS: The following messages are printed in the PTIMSG output when duplicate keys are encountered and the discard limit is reached: PUT6031E - Attempting to obtain Page X'00000000' during insert process for index xxxxxxxx.xxxxxx RID X'xxxxxxxx' Contact Technical Support for assistance at <https://support.ca.com/>. For telephone assistance, see <http://www.ca.com/us/support/phone.aspx>. Module Info Code was X'0402'. Key Data was: X'XXXXXXXXXXXXXXXXXXXXXXXXXXXXX'	CA Fast Load for DB2 for z/OS	Version 19.0	CA Fast Load for DB2 for z/OS	Version 20.0
CA Fast Load for DB2 for z/OS	Version 19.0				
CA Fast Load for DB2 for z/OS	Version 20.0				

Service	Details
	PUT9800E - Index INSERT failed with Return Code: 08 Index Name: XXXXXXXX.XXXXXX IMPACT: Unexpected behavior when REBUILD INDEX NO RESUME YES and PREDETERMINE-DUPS NO. CIRCUMVENTION: NONE PRODUCT(S) AFFECTED: CA Fast Load for DB2 for z/OS Related Problem: PFL 1277 Copyright (C) 2019 CA. All rights reserved. R02240-D190-SP2 Version 19.0 DESC(RETURN DEFAULT BEHAVIOR BEFORE R087632). ++VER (Z038) FMID (CINSJ00) SUP (ST10283) ++IF FMID(CPFLJ00) REQ(S010284) . ++IF FMID(CPUTJ00) REQ(S010285) . ++HOLD (S010283) SYSTEM FMID(CINSJ00) REASON (ACTION) DATE (19294) COMMENT (<pre> +-----+ CA Database Management Solution for DB2 for zOS Base Install Version 19.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Correct default behavior for PFL OUTPUT-CONTROL ALL +-----+ USERS All users running PFL with the following syntax: AFFECTED OUTPUT-CONTROL ALL RESUME YES REBUILD-INDEX NO DISCARDS 1 +-----+ KNOWLEDGE PFL product syntax knowledge. REQUIRED +-----+ ACCESS Edit PFL jobs. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** </pre> This PTF reinstates the default behavior of PFL OUTPUT-CONTROL ALL to that prior to applying R19 PTF R087632. This change affects jobs that use the following syntax: OUTPUT-CONTROL ALL RESUME YES REBUILD-INDEX NO DISCARDS 1 PTF R087632 caused PFL to follow the late term discard process, which does not ordinarily occur when OUTPUT-CONTROL ALL is specified. This behavior occurred because PFL did not sort the added index keys (from the input files) with the index keys already present in the objects. This resulted in late detection of any duplicate index keys. This PTF reinstates the correct default behavior for OUTPUT-CONTROL ALL. The index keys will be sorted with the existing data to prevent the late term discard from processing. PFL will immediately stop processing when a duplicate index key is detected. If you need to maintain the behavior that was introduced by PTF R087632 after applying this PTF, perform one of the following actions: Specify the following keyword in the PFL SYSIN:

Service	Details
	PREDETERMINE-DUPS NO Or, add the following line to the hlq.CDBAPARM(UTIL) member: PREDETERMINE-DUPS (NO)).

Service	Details				
S010284	S010284 M.C.S. ENTRIES = ++PTF (S010284) The following items are included in this solution: 1. RETURN DEFAULT BEHAVIOR BEFORE R087632 2. PUT6031E AND PUT9800E ISSUED WHEN LATE-TERM DISCARDING ===== RETURN DEFAULT BEHAVIOR BEFORE R087632 PROBLEM DESCRIPTION: PTF R087632 for CA Fast Load for DB2 for z/OS (PFL) R19 incorrectly changed the default duplicate key check behavior when there is a unique index on a loaded table and the following keywords are specified: OUTPUT-CONTROL ALL RESUME YES REBUILD-INDEX NO DISCARDS 1 After PTF R087632 was applied, PFL did not check the data being loaded against the data already in the object for duplicates. This could lead to a late term discard process where PFL undid any changes made to the objects before any duplicate index key was detected (because DISCARDS 1 is specified). PFL R20 contains the changes from R19 PTF R087632 in the base installation. This PTF returns the default behavior to that before PTF R087632. After this PTF is applied, PFL will detect duplicate keys before any load takes place when there is a unique index on a loaded table and the above keywords are specified. In addition, the new PREDETERMINE-DUPS keyword is introduced which allows you to determine when duplicate keys are checked. This keyword can be specified in the SYSIN or hlq.CDBAPARM(UTIL). SYMPTOMS: The following messages are printed in the PTIMSG output when the duplicate keys are encountered and the discard limit is reached: PFL0218E - Load Processing Stopped due to "DISCARDS 1" Option RecordID: 0001000000000001 PFL4018W - Errors causing rows to be discarded exceeded 1,000 PFL4018W - Errors causing rows to be discarded exceeded 2,000 ... PFL0215I - Discard Deletion Phase Beginning PFL4018W depends on DISCARD-WARN setting. IMPACT: Unexpected behavior change after installation of R087632 or upgrading to PFL R20. CIRCUMVENTION: Specify the following keyword in the PFL job: PREDETERMINE-DUPS YES PRODUCT(S) AFFECTED: <table> <tr> <td>CA Fast Load for DB2 for z/OS</td><td>Version 19.0</td></tr> <tr> <td>CA Fast Load for DB2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PFL 1274 ===== PUT6031E AND PUT9800E ISSUED WHEN LATE-TERM DISCARDING PROBLEM DESCRIPTION: CA Fast Load for DB2 for z/OS (PFL) can issue error messages PUT6031E and PUT9800E when REBUILD INDEX NO RESUME YES and PREDETERMINE-DUPS NO are specified. SYMPTOMS: The following messages are printed in the PTIMSG output when duplicate keys are encountered and the discard limit is reached: PUT6031E - Attempting to obtain Page X'00000000' during insert process for index xxxxxxxx.xxxxxx RID X'xxxxxxxx' Contact Technical Support for assistance at <https://support.ca.com/>. For telephone assistance, see <http://www.ca.com/us/support/phone.aspx>. Module Info Code was X'0402'. Key Data was: X'XXXXXXXXXXXXXXXXXXXXXXXXXXXXX'	CA Fast Load for DB2 for z/OS	Version 19.0	CA Fast Load for DB2 for z/OS	Version 20.0
CA Fast Load for DB2 for z/OS	Version 19.0				
CA Fast Load for DB2 for z/OS	Version 20.0				

Service	Details
	PUT9800E - Index INSERT failed with Return Code: 08 Index Name: XXXXXXXX.XXXXXX IMPACT: Unexpected behavior when REBUILD INDEX NO RESUME YES and PREDETERMINE-DUPS NO. CIRCUMVENTION: NONE PRODUCT(S) AFFECTED: CA Fast Load for DB2 for z/OS Version 19.0 Related Problem: PFL 1277 Copyright (C) 2019 CA. All rights reserved. R02240-D190-SP2 DESC(RETURN DEFAULT BEHAVIOR BEFORE R087632). ++VER (Z038) FMID (CPFLJ00) PRE (R082073 R082234 R082625 R084208 R086452 R087457 R087632 R088560 R088656 R089001 R091027 R091312 R091774 R092352 R092934 R094733 R096025 R096033 R096141 S005140 S007011 S007717) SUP (R096251 ST10284 TR95955 TR96251) ++IF FMID(CPUTJ00) REQ(S010285) . ++IF FMID(CINSJ00) REQ(S010283) . ++HOLD (S010284) SYSTEM FMID(CPFLJ00) REASON (ACTION) DATE (19294) COMMENT (<pre> +-----+ CA Fast Load for DB2 for z/OS Version 19.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Correct default behavior for PFL OUTPUT-CONTROL ALL +-----+ USERS All users running PFL with the following syntax: AFFECTED OUTPUT-CONTROL ALL RESUME YES REBUILD-INDEX NO DISCARDS 1 +-----+ KNOWLEDGE PFL product syntax knowledge. REQUIRED +-----+ ACCESS Edit PFL jobs. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** </pre> This PTF reinstates the default behavior of PFL OUTPUT-CONTROL ALL to that prior to applying R19 PTF R087632. This change affects jobs that use the following syntax: OUTPUT-CONTROL ALL RESUME YES REBUILD-INDEX NO DISCARDS 1 PTF R087632 casued PFL to follow the late term discard process, which does not ordinarily occur when OUTPUT-CONTROL ALL is specified. This behavior occurred because PFL did not sort the added index keys (from the input files) with the index keys already present in the objects. This resulted in late detection of any duplicate index keys. This PTF reinstates the correct default behavior for OUTPUT-CONTROL ALL. The index keys will be sorted with the existing data to prevent the late term discard from processing. PFL will immediately stop processing when a duplicate index key is detected.

Service	Details
	If you need to maintain the behavior that was introduced by PTF R087632 after applying this PTF, perform one of the following actions: Specify the following keyword in the PFL SYSIN: PREDETERMINE-DUPS NO Or, add the following line to the hlq.CDBAPARM(UTIL) member: PREDETERMINE-DUPS (NO)).

Service	Details				
S010285	S010285 M.C.S. ENTRIES = ++PTF (S010285) The following items are included in this solution: 1. RETURN DEFAULT BEHAVIOR BEFORE R087632 2. PUT6031E AND PUT9800E ISSUED WHEN LATE-TERM DISCARDING ===== RETURN DEFAULT BEHAVIOR BEFORE R087632 PROBLEM DESCRIPTION: PTF R087632 for CA Fast Load for DB2 for z/OS (PFL) R19 incorrectly changed the default duplicate key check behavior when there is a unique index on a loaded table and the following keywords are specified: OUTPUT-CONTROL ALL RESUME YES REBUILD-INDEX NO DISCARDS 1 After PTF R087632 was applied, PFL did not check the data being loaded against the data already in the object for duplicates. This could lead to a late term discard process where PFL undid any changes made to the objects before any duplicate index key was detected (because DISCARDS 1 is specified). PFL R20 contains the changes from R19 PTF R087632 in the base installation. This PTF returns the default behavior to that before PTF R087632. After this PTF is applied, PFL will detect duplicate keys before any load takes place when there is a unique index on a loaded table and the above keywords are specified. In addition, the new PREDETERMINE-DUPS keyword is introduced which allows you to determine when duplicate keys are checked. This keyword can be specified in the SYSIN or hlq.CDBAPARM(UTIL). SYMPTOMS: The following messages are printed in the PTIMSG output when the duplicate keys are encountered and the discard limit is reached: PFL0218E - Load Processing Stopped due to "DISCARDS 1" Option RecordID: 0001000000000001 PFL4018W - Errors causing rows to be discarded exceeded 1,000 PFL4018W - Errors causing rows to be discarded exceeded 2,000 ... PFL0215I - Discard Deletion Phase Beginning PFL4018W depends on DISCARD-WARN setting. IMPACT: Unexpected behavior change after installation of R087632 or upgrading to PFL R20. CIRCUMVENTION: Specify the following keyword in the PFL job: PREDETERMINE-DUPS YES PRODUCT(S) AFFECTED: <table> <tr> <td>CA Fast Load for DB2 for z/OS</td><td>Version 19.0</td></tr> <tr> <td>CA Fast Load for DB2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PFL 1274 ===== PUT6031E AND PUT9800E ISSUED WHEN LATE-TERM DISCARDING PROBLEM DESCRIPTION: CA Fast Load for DB2 for z/OS (PFL) can issue error messages PUT6031E and PUT9800E when REBUILD INDEX NO RESUME YES and PREDETERMINE-DUPS NO are specified. SYMPTOMS: The following messages are printed in the PTIMSG output when duplicate keys are encountered and the discard limit is reached: PUT6031E - Attempting to obtain Page X'00000000' during insert process for index xxxxxxxx.xxxxxx RID X'xxxxxxxx' Contact Technical Support for assistance at <https://support.ca.com/>. For telephone assistance, see <http://www.ca.com/us/support/phone.aspx>. Module Info Code was X'0402'. Key Data was: X'XXXXXXXXXXXXXXXXXXXXXXXXXXXXX'	CA Fast Load for DB2 for z/OS	Version 19.0	CA Fast Load for DB2 for z/OS	Version 20.0
CA Fast Load for DB2 for z/OS	Version 19.0				
CA Fast Load for DB2 for z/OS	Version 20.0				

Service	Details
	PUT9800E - Index INSERT failed with Return Code: 08 Index Name: XXXXXXXX.XXXXXX IMPACT: Unexpected behavior when REBUILD INDEX NO RESUME YES and PREDETERMINE-DUPS NO. CIRCUMVENTION: NONE PRODUCT(S) AFFECTED: CA Fast Load for DB2 for z/OS Related Problem: PFL 1277 Copyright (C) 2019 CA. All rights reserved. R02240-D190-SP2 Version 19.0 DESC(RETURN DEFAULT BEHAVIOR BEFORE R087632). ++VER (Z038) FMID (CPUTJ00) PRE (R083352 R084211 R086453 R088659 R091034 R091781 R092358 R092945 R094270 R094743 R096026 R096142 S005146) SUP (ST10285) ++IF FMID(CPFLJ00) REQ(S010284) . ++IF FMID(CINSJ00) REQ(S010283) . ++HOLD (S010285) SYSTEM FMID(CPUTJ00) REASON (ACTION) DATE (19294) COMMENT (<pre> +-----+ CA Utilities Common For DB2 Version 19.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Correct default behavior for PFL OUTPUT-CONTROL ALL +-----+-----+ USERS All users running PFL with the following syntax: AFFECTED OUTPUT-CONTROL ALL RESUME YES REBUILD-INDEX NO DISCARDS 1 +-----+-----+ KNOWLEDGE PFL product syntax knowledge. REQUIRED +-----+-----+ ACCESS Edit PFL jobs. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** This PTF reinstates the default behavior of PFL OUTPUT-CONTROL ALL to that prior to applying R19 PTF R087632. This change affects jobs that use the following syntax: OUTPUT-CONTROL ALL RESUME YES REBUILD-INDEX NO DISCARDS 1 PTF R087632 casued PFL to follow the late term discard process, which does not ordinarily occur when OUTPUT-CONTROL ALL is specified. This behavior occurred because PFL did not sort the added index keys (from the input files) with the index keys already present in the objects. This resulted in late detection of any duplicate index keys. This PTF reinstates the correct default behavior for OUTPUT-CONTROL ALL. The index keys will be sorted with the existing data to prevent the late term discard from processing. PFL will immediately stop processing when a duplicate index key is detected. If you need to maintain the behavior that was introduced by PTF </pre>

Service	Details
	R087632 after applying this PTF, perform one of the following actions: Specify the following keyword in the PFL SYSIN: PREDETERMINE-DUPS NO Or, add the following line to the hlq.CDBAPARM(UTIL) member: PREDETERMINE-DUPS (NO)).

Service	Details
S010294	S010294 M.C.S. ENTRIES = ++PTF (S010294) RC/Q TX REPORT ON TRIGGER ENDS WITH S0C4 REASON CODE 3B PROBLEM DESCRIPTION: In CA RC/Query for DB2 for z/OS (RCQ), the TG-TX(Trigger text) report fails with S0C4 and reason code 3B. SYMPTOMS: The TG-TX report ends with S0C4 and reason code 3B. IMPACT: You cannot generate the TG-TX report. CIRCUMVENTION: User can use DDL option to see the trigger statement. PRODUCT(S) AFFECTED: CA RC/Query for DB2 for z/OS Version 19.0 CA RC/Query for DB2 for z/OS Version 20.0 Related Problem: RCQ 1600 Copyright (C) 2019 CA. All rights reserved. R02241-D190-SP2 DESC(RC/Q TX REPORT ON TRIGGER ENDS WITH S0C4 REASON CODE 3B). ++VER (Z038) FMID (CRCQJ00) PRE (R085927 R091320 R092947 R094745 S005055) SUP (ST10294)

Service	Details
S010307	S010307 M.C.S. ENTRIES = ++PTF (S010307) MODIFY LISTS STOPPED PROCESSING IF ANY OBJECT DOESN'T EXIST PROBLEM DESCRIPTION: CA Merge/Modify (PMM) is not able to process list of all objects from LISTDEF when MODIFY RECOVERY LIST with KEEP option is used and terminates processing when it finds no matching row for any object in the list. SYMPTOMS: Job ends with RC=4 and displaying below message without processing all objects from LISTDEF. PMM0215W - NO MATCHING ROWS FOUND TO DELETE IMPACT: The utility run terminates incorrectly. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA MERGE/MODIFY for DB2 for z/OS (PMM) Release 19.0 CA MERGE/MODIFY for DB2 for z/OS (PMM) Release 20.0 Related Problem: PMM 392 Copyright (C) 2019 CA. All rights reserved. R02242-D190-SP2 DESC(MODIFY LISTS STOPPED PROCESSING IF ANY OBJECT DOESN'T EXIST). ++VER (Z038) FMID (CUGRJ00) PRE (R080190 R082931 R084212 R088660 R088771 R089647 R091037 R091787 R092364 R092952 R094749 R095124 R095446 R096063 R097520 R098624 S005148) SUP (R085032 ST10307 TR85032) ++HOLD (S010307) SYSTEM FMID(CUGRJ00) REASON (MSGSKEL) DATE (19283) COMMENT (-----+-----

Service	Details
S010312	S010312 M.C.S. ENTRIES = ++PTF (S010312) COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV PROBLEM DESCRIPTION: CA Detector for DB2 for z/OS (PDT) may collect DSNLXSRP as the program name during the commit process. SYMPTOMS: Commit statistics are associated to DSNLXSRP instead of to the correct program. IMPACT: Commit statistics may be wrong. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Detector for DB2 for z/OS Version 19.0 CA Detector for DB2 for z/OS Version 20.0 Related Problem: PDT 1655 Copyright (C) 2019 CA. All rights reserved. R02243-D190-SP2 DESC(COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV). ++VER (Z038) FMID (CIDBJ00) PRE (R078672 R079385 R080000 R080117 R080433 R080564 R081027 R081212 R081831 R084312 R087008 R088598 R092346 R094728 S001696 S007192 S007416 S009345) SUP (R085497 S001894 ST01894 ST06925 ST06985 ST07108 ST09117 ST09216 ST10312 TR81001 TR85497 TR91545 TR97104) ++IF FMID(CPDTJ00) REQ(S010313) . ++IF FMID(CPSAJ00) REQ(S010314) .

Service	Details
S010313	S010313 M.C.S. ENTRIES = ++PTF (S010313) COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV PROBLEM DESCRIPTION: CA Detector for DB2 for z/OS (PDT) may collect DSNLXSRP as the program name during the commit process. SYMPTOMS: Commit statistics are associated to DSNLXSRP instead of to the correct program. IMPACT: Commit statistics may be wrong. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Detector for DB2 for z/OS Version 19.0 CA Detector for DB2 for z/OS Version 20.0 Related Problem: PDT 1655 Copyright (C) 2019 CA. All rights reserved. R02243-D190-SP2 DESC(COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV). ++VER (Z038) FMID (CPDTJ00) PRE (R078199 R078673 R078978 R079247 R079651 R079913 R080050 R080197 R080342 R080565 R080718 R080822 R081029 R081413 R081547 R082589 R083072 R083941 R085469 R087010 R087402 R087439 R087957 R088070 R088357 R088607 R088741 R089174 R090433 R091026 R091241 R091623 R091773 R092190 R092351 R092933 R093375 R094030 R094205 R094593 R094732 R094882 R094982 R095038 R095376 R095708 R095921 R096095 R096694 R096922 R097074 R097129 R098012 R098609 R098983 S000806 S001289 S001469 S001698 S001769 S001876 S003642 S007193 S007417 S008057 S008126 S008281 S008531 S009346) SUP (AR96042 AS01469 AS03642 AS06661 AS08281 BS03642 R083779 R084456 R084899 R085001 R085659 R085918 R086536 R086718 R089230 R089463 R090023 R090442 R091332 R095149 R096042 R096441 R097649 R098176 R098549 R098845 R098906 R099011 R099353 R099699 R099894 S000037 S000897 S001784 S001835 S004031 S004210 S004216 S004410 S004432 S004632 S005126 S005415 S005770 S005924 S006661 S006773 S006969 S007060 S007181 S007546 S008445 S009042 S009739 S010009 S010019 S010254 ST00037 ST00496 ST00721 ST00850 ST00897 ST01784 ST01835 ST04031 ST04210 ST04216 ST04410 ST04432 ST04632 ST05126 ST05411 ST05415 ST05616 ST05706 ST05770 ST05924 ST06661 ST06745 ST06771 ST06773 ST06969 ST07033 ST07060 ST07181 ST07546 ST08445 ST09042 ST09739 ST10009 ST10019 ST10254 ST10313 TR77302 TR77303 TR80037 TR80342 TR80718 TR81413 TR82589 TR83072 TR83779 TR84456 TR84899 TR85001 TR85659 TR85847 TR85918 TR86384 TR86536 TR86718 TR87402 TR87439 TR87950 TR88068 TR88070 TR88169 TR88204 TR89230 TR89463 TR90023 TR90329 TR90442 TR91332 TR91390 TR94132 TR94147 TR94183 TR94570 TR95149 TR96042 TR96441 TR96668 TR96722 TR97647 TR97649 TR97852 TR98150 TR98176 TR98423 TR98525 TR98528 TR98549 TR98714 TR98845 TR98885 TR98894 TR98906 TR99011 TR99353 TR99423 TR99699 TR99894) ++IF FMID(CPSAJ00) REQ(S010314) . ++IF FMID(CIDBJ00) REQ(S010312) . ++HOLD (S010313) SYSTEM FMID(CPDTJ00) REASON (RESTART) DATE (19282) COMMENT (+-----+

Service	Details
	<pre> CA Detector for DB2 for z/OS Version 19.0 +-----+-----+-----+-----+-----+-----+-----+-----+-----+ 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
S010314	S010314 M.C.S. ENTRIES = ++PTF (S010314) COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV PROBLEM DESCRIPTION: CA Detector for DB2 for z/OS (PDT) may collect DSNLXSRP as the program name during the commit process. SYMPTOMS: Commit statistics are associated to DSNLXSRP instead of to the correct program. IMPACT: Commit statistics may be wrong. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Detector for DB2 for z/OS Version 19.0 CA Detector for DB2 for z/OS Version 20.0 Related Problem: PDT 1655 Copyright (C) 2019 CA. All rights reserved. R02243-D190-SP2 DESC(COMMIT MAY GET ASSOCIATED TO WRONG PROGRAM UNDER DISTSERV). ++VER (Z038) FMID (CPSAJ00) PRE (R078003 R078378 R079914 R087012 R091033 R092357 R093376 R094594 R095335 R096923 R097255 R098610 S000637 S001470 S001699 S001832 S007194 S007418 S009296 S009347) SUP (ST01462 ST06927 ST06987 ST07110 ST09119 ST09218 ST10314 TR91547 TR93305 TR93322 TR93372 TR97106 TR98424) ++IF FMID(CPDTJ00) REQ(S010313) . ++IF FMID(CIDBJ00) REQ(S010312) . ++HOLD (S010314) SYSTEM FMID(CPSAJ00) REASON (RESTART) DATE (19282) COMMENT (<pre> +-----+ CA Subsystem Analyzer for DB2 for z/OS Version 19.0 +-----+-----+ 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 </pre>

Service	Details
	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
S010391	S010391 M.C.S. ENTRIES = ++PTF (S010391) BUFFERPOOL DISPLAY DOESN'T SHOW USE OF 1M/2G PAGE FRAMES PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) does not show the correct number of pages allocated in 4K/1M/2G page frames in Db2 12. SYMPTOMS: Number of 1M/2G page frames is zero even if a buffer pool has pages allocated in those frame: Pool 4K Page 1M Page 2G Page Pool Size Frames Frames Frames BP16K2 17 17 0 0 IMPACT: Possible mistakes when analysing buffer pool allocations. CIRCUMVENTION: Use Db2 command "-DISPLAY BUFFERPOOL(bpname)" to see the correct buffer pool allocation of 4K/1M/2G PAGE FRAMES. PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 19.0 CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 2429 Copyright (C) 2019 CA. All rights reserved. R02246-D190-SP2 DESC(BUFFERPOOL DISPLAY DOESN'T SHOW USE OF 1M/2G PAGE FRAMES). ++VER (Z038) FMID (CIDBJ00) PRE (R077824 R079385 R079775 R080000 R080117 R080433 R081212 R081831 R081946 R082206 R083196 R083306 R085657 R087788 R087976 R088598 R090576 R091770 R092346 R092930 R094728 R096711 R096974) SUP (ST10391)

Service	Details
S010404	S010404 M.C.S. ENTRIES = ++PTF (S010404) 'ACCELERATOR ELIGIBLE' FIELD ALWAYS SET TO 'NO' PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) incorrectly reports all dynamic SQL statements as non-eligible for execution on the Db2 accelerator. SYMPTOMS: "Accel Elig" (ACCELERATOR-ELIGIBLE) field value is set to "No" in the following reports: DYNSQLCI - "Dynamic SQL Stats - Current Hist Interval" DYNSQLST - "Dynamic SQL Statements in Cache" HSDYNSQL - "Dynamic SQL Statistics - History Interval" HSUDYNSQ - "Dynamic SQL Statistics - History Summary" IMPACT: You cannot determine whether a dynamic SQL is eligible for execution on Db2 accelerator. CIRCUMVENTION: N/A. PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 19.0 CA SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 2434 Copyright (C) 2019 CA. All rights reserved. R02247-D190-SP2 DESC('ACCELERATOR ELIGIBLE' FIELD ALWAYS SET TO 'NO'). ++VER (Z038) FMID (CIDBJ00) PRE (R078008 R079379 R079385 R079775 R080000 R080117 R080433 R081212 R081831 R082206 R083746 R083872 R084312 R085657 R086064 R086735 R087095 R087788 R087976 R088100 R090576 R091770 R092346 R092930 R094201 R094728 R095485 R097230 R098322 S001159 S005649 S005938) SUP (R098630 ST10404 TR98630)

Service	Details
S010446	S010446 M.C.S. ENTRIES = ++PTF (S010446) LOAD FAILS WITH LATE-TERM DISCARDS AND VERSIONED DATA PROBLEM DESCRIPTION: CA Fast Load for DB2 for z/OS (PFL) may terminate with RC 8 and error message "PUT4133E - PTMVREX BUILD routine failed" when the following conditions are true: - The tablespace is partitioned. - The tablespace has only one partition. - The tablespace contains versioned data. - There are late-term discards. SYMPTOMS: The following messages are printed to the PTIMSG DD: PUT4133E - PTMVREX BUILD routine failed TCB: 00001 Return Code: 00000014 Reason Code: 0000003E Detected in module UTA\$MGTX PUT3602E - Utilities Buffer Manager Error Detected, RC=08, RS=12, \$MGU: Init Task: Open Init Exit Err Info RC=00000008, Info RS=00000099 PUT3612E - Utilities Tablespace Update Service Error Detected, RC=08, RS=110, \$MGT: Buffer Mgr Init_TS_Task Error Info RC=00000008, Info RS=0000000C PFL0216E - Discard Deletion Phase Error Detected, RC=08, RS=03, \$Disc Init_Task Failure Info RC=008, Info RS=110 IMPACT: Processing fails. CIRCUMVENTION: If you specify OUTPUT-CONTROL ALL REBUILD-INDEX NO, specify PREDETERMINE-DUPS YES. PRODUCT(S) AFFECTED: CA Fast Load for DB2 for z/OS Version 19.0 CA Fast Load for DB2 for z/OS Version 20.0 Related Problem: PFL 1278 Copyright (C) 2019 CA. All rights reserved. R02249-D190-SP2 DESC(LOAD FAILS WITH LATE-TERM DISCARDS AND VERSIONED DATA). ++VER (Z038) FMID (CPUTJ00) PRE (R080962 R084211 R088659 R091034 R091318 R091781 R092358 R092945 R094743 R095043) SUP (ST10446)

Service	Details
S010465	S010465 M.C.S. ENTRIES = ++PTF (S010465) S0C7 ABEND WHEN COMPARING TABLES WITH FOREIGN KEYS PROBLEM DESCRIPTION: When using RC/Compare for DB2 for z/OS (RCC) to compare two tables with foreign keys, the analysis may end with a S0C7 abend with reason code 0. SYMPTOMS: SYSTEM COMPLETION CODE=0C7 REASON CODE=00000000 TIME=10.24.06 SEQ=46670 CPU=0000 ASID=0446 PSW AT TIME OF ERROR 078D1000 BB3318B2 ILC 6 INTC 07 ACTIVE MODULE ADDRESS=00000000_3B270000 OFFSET=000C18B2 NAME=RML@BLDC DATA AT PSW 3B3318AC - F979A008 CEAC4740 CE9CF879 IMPACT: Customer will not be able to successfully analyze the strategy. CIRCUMVENTION: Try with an alter strategy. PRODUCT(S) AFFECTED: CA RC/Migrator for DB2 for z/OS Version 19.0 CA RC/Migrator for DB2 for z/OS Version 20.0 Related Problem: RCM 3027 Copyright (C) 2019 CA. All rights reserved. R02250-D190-SP2 DESC(S0C7 ABEND WHEN COMPARING TABLES WITH FOREIGN KEYS). ++VER (Z038) FMID (CINSJ00) PRE (R081035 R081475 R083881 R088695 R091096 R094202) SUP (ST10465)

Service	Details
S010475	S010475 M.C.S. ENTRIES = ++PTF (S010475) DSNU049I INVALID OPERAND WHEN HARNESSING IBM LOAD PROBLEM DESCRIPTION: CA Fast Load for DB2 for z/OS (PFL) may generate invalid syntax for the IBM LOAD utility during the harness process. SYMPTOMS: The PFL job will print the following message from IBM LOAD in PTIIMSG: DSNU049I nnn hh:mm:ss.hh DSNU049I - INVALID OPERAND 'xxxxxx' FOR KEYWORD 'LOAD' IMPACT: The PFL job fails with RC=8. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Fast Load for DB2 for z/OS Version 19.0 CA Fast Load for DB2 for z/OS Version 20.0 Related Problem: PFL 1266 Copyright (C) 2019 CA. All rights reserved. R02251-D190-SP2 DESC(DSNU049I INVALID OPERAND WHEN HARNESSING IBM LOAD). ++VER (Z038) FMID (CPFLJ00) PRE (R084208 R086452 R087457 R087632 R088656 R089001 R091027 R091312 R091774 R092352 R092934 R094733 R096025 R096033 R096141 S007011 S010284) SUP (R096251 ST10443 ST10475 TR95955 TR96251)

Service	Details																		
S010506	S010506 M.C.S. ENTRIES = ++PTF (S010506) DATA CORRUPTION IN PARTITIONED TS WITH CLUSTERING INDEX PROBLEM DESCRIPTION: CA Rapid Reorg for DB2 for z/OS (PRR) may corrupt tablespace data pages when a Reorg is performed on a Classic Partitioned tablespace or Partition-by-Range(UTS) tablespace and the following conditions are met: - A Clustering index with 2 or more columns exist on the table - DATA-AVAILABLE HIGH or DATA-AVAILABLE CRITICAL is specified - The Reorg is run in STANDARD MODE (EXTENDED-TSREORG NO) - RECLUSTER YES is specified - Number of SYSRECs in the job is less than the number of partitions in the scope of the reorg SYMPTOMS: The Reorg job completes with RC=0 The problem can be identified by IBM Index Check DSNUTIL CHECK INDEX shows DSNU713I ... DSNUKIKI - KEYS MISMATCH. RID=... IMPACT: Data in the tablespace is corrupted. CIRCUMVENTION: Problem does not occur when EXTENDED-TSREORG YES or RECLUSTER NO is specified, or when the number of SYSRECs (controlled by UNLOAD-TASKS) is greater than or equal to the number of partitions being reorganized. PRODUCT(S) AFFECTED: CA Rapid Reorg for DB2 for z/OS Version 19.0 CA Rapid Reorg for DB2 for z/OS Version 20.0 Related Problem: PRR 1358 Copyright (C) 2019 CA. All rights reserved. R02252-D190-SP2 DESC(DATA CORRUPTION IN PARTITIONED TS WITH CLUSTERING INDEX). ++VER (Z038) FMID (CPRRJ00) PRE (R079593 R082237 R084210 R085628 R088343 R088658 R089645 R091032 R091780 R092356 R092943 R094741 R094991 R095364 R096034 R096308 R096545 R097605 R098698 R099027 S000213 S000566 S001460 S003906 S004022 S005603) SUP (AR94741 R090139 ST10506 TR90139) ++HOLD (S010506) SYSTEM FMID(CPRRJ00) REASON (ACTION) DATE (19302) COMMENT (<table border="1"> <tr> <td>CA Rapid Reorg for DB2 for z/OS</td><td>Version 19.0</td></tr> <tr> <td>SEQUENCE</td><td>Before Apply</td></tr> <tr> <td>PURPOSE</td><td>To identify potentially affected objects.</td></tr> <tr> <td>USERS</td><td>All users.</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>None.</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>Execute catalog queries.</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> ***** * STEPS TO PERFORM * ***** The following SQL query can be used to identify potentially impacted tablespaces:	CA Rapid Reorg for DB2 for z/OS	Version 19.0	SEQUENCE	Before Apply	PURPOSE	To identify potentially affected objects.	USERS	All users.	AFFECTED		KNOWLEDGE	None.	REQUIRED		ACCESS	Execute catalog queries.	REQUIRED	
CA Rapid Reorg for DB2 for z/OS	Version 19.0																		
SEQUENCE	Before Apply																		
PURPOSE	To identify potentially affected objects.																		
USERS	All users.																		
AFFECTED																			
KNOWLEDGE	None.																		
REQUIRED																			
ACCESS	Execute catalog queries.																		
REQUIRED																			

Service	Details
	<pre> SELECT DBNAME, NAME FROM SYSIBM.SYSTABLESPACE WHERE TYPE IN (' ', 'R') AND PARTITIONS != 0 AND NTABLES = 1 AND (DBNAME, NAME) IN (SELECT DBNAME, TSNAME FROM SYSIBM.SYSTABLES WHERE (NAME, CREATOR) IN (SELECT TBNAME, TBCREATOR FROM SYSIBM.SYSINDEXES WHERE COLCOUNT > 1 AND CLUSTERING = 'Y')) </pre> The list should be verified against the Rapid Reorg jobs that match the following criteria: - DATA-AVAILABLE HIGH or DATA-AVAILABLE CRITICAL is specified - The Reorg is run in STANDARD MODE (EXTENDED-TSREORG NO) - RECLUSTER YES is specified - Number of SYSRECs in the job is less than the number of partitions in the scope of the reorg Then check for data integrity run IBM CHECK INDEX. Any objects identified as impacted need to be considered for recovery.).

Service	Details
S010595	S010595 M.C.S. ENTRIES = ++PTF (S010595) INCORRECT ICL ALTER WHEN ADDING NEW BLANK PARAMETER NAME PROBLEM DESCRIPTION: When using CA RC/Migrator for DB2 for z/OS (RCM) to add a new blank parameter name to the parameter declaration list of an external procedure which is not a SQL stored procedure, the ICL generates only 'Alter procedure <schema>.<name>'. SYMPTOMS: Parameter declaration list and other keywords are missing. IMPACT: Customer will not be able to add blank parameter name to the parameter list. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA RC/Migrator for DB2 for z/OS Version 19.0 CA RC/Migrator for DB2 for z/OS Version 20.0 Related Problem: RCM 3023 Copyright (C) 2019 CA. All rights reserved. R02253-D190-SP2 DESC(INCORRECT ICL ALTER WHEN ADDING NEW BLANK PARAMETER NAME). ++VER (Z038) FMID (CINSJ00) PRE (R078732 R080491 R081035 R081475 R083881 R087352 R088695 R091096 R091771 R094202 S001339) SUP (ST10374 ST10595)

Service	Details
S010607	S010607 M.C.S. ENTRIES = ++PTF (S010607) S0C4 ABEND OR -204 SQLCODE WHEN ADDING A PBG PARTITION ROBLEM DESCRIPTION: 1. CA Fast Load for DB2 for z/OS (PFL) may abend with S0C4-04 in load module UTGLPBG when the following conditions are met: - The PFL load includes a table in a partition-by-growth (PBG) tablespace - A new partition is being added - The name of the table is 18 characters in length 2. PFL may issue the following message when loading to a table whose creator or table name has blanks: -PUT6304E-SQL ALTER failed with SQLCODE -204 in CSECT UTAGLPBX PROBLEM DESCRIPTION: SYMPTOMS: 1. The following symptom dump is printed in the PFL job output: SYSTEM COMPLETION CODE=0C4 REASON CODE=00000004 TIME=06.23.06 SEQ=02392 CPU=0000 ASID=0410 PSW AT TIME OF ERROR 478C2000 BC68524A ILC 6 INTC 04 ACTIVE MODULE ADDRESS=00000000_3C682000 OFFSET=00003222 NAME=UTGLPBG DATA AT PSW 3C685244 - D20D3000 C1B0A73B 000E4120 AR/GR 0: 00000000/00000000_00000000 1: 00000000/FFFFFFFF_FFFFCAA8 2: 00000000/00000000_3AE34040 3: 00000000/00000000_3B18009F 4: 00000000/00000000_3B18355E 5: 00000000/FFFFFFFF_FFFFCAA9 6: 00000000/00000000_3AE34000 7: 00000000/00000000_0008CC90 8: 00000000/00000000_3B08D570 9: 00000000/00000000_3B1BB708 A: 00000000/00000000_3AE34000 B: 00000000/00000000_3C684C78 C: 00000000/00000000_3C6851E8 D: 00000000/00000000_3B1833E8 E: 00000000/00000000_BC684E34 F: 00000C05/00000000_00000000 The offset in the load module can be different. The following messages are printed in the PTIMSG output: PFL3019E - ESTAE intercepted in CSECT FLAUTS1 - ABEND code X'840C4000' PFL0206E - FASTLOAD application did not complete successfully PFL0207E - T_Space Task ECB: X'000C4000' Return Code: X'00000004' PFL0208E - Datasets did not load successfully - RECOVERY required before RESTART 2. The following error messages are issued: PUT6304E - SQL ALTER failed with SQLCODE -204 in CSECT 'UTAGLPBX' DSNT408I SQLCODE = -204, ERROR: <creator>.<name> IS AN UNDEFINED NAME DSNT418I SQLSTATE = 42704 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSNX0FE SQL PROCEDURE DETECTING ERROR DSNT416I SQLERRD = -200 0 0 -1 0 0 SQL DIAGNOSTIC INFORMATION DSNT416I SQLERRD = X'FFFFFFFF' X'00000000' X'00000000' X'FFFFFFFF' X'00000000' X'00000000' SQL DIAGNOSTIC INFORMATION PUT9807E - Partition instantiation for a Partition By Growth Tablespace failed Part number: 0003, Return Code: 08, Reason Code: 01FFFF34 IMPACT: 1. The PFL job abends and the tablespace is in RECP status. 2. PFL will discard all the rows set to be added into the new partition. CIRCUMVENTION: 1. Rename the table so that the name consists of more or less than 18 characters, rerun the PFL job, and restore the original table name. 2. Remove any blanks in the creator or table name, rerun the PFL job, and restore the original creator or table name. PRODUCT(S) AFFECTED: CA Fast Load for DB2 for z/OS Version 19.0 CA Fast Load for DB2 for z/OS Version 20.0 Related Problem: PFL 1280 Copyright (C) 2019 CA. All rights reserved. R02254-D190-SP2 DESC(S0C4 ABEND OR -204 SQLCODE WHEN ADDING A PBG PARTITION). ++VER (Z038) FMID (CPUTJ00)

Service	Details	
	PRE (R084211 R085706 R088659 R091034 R091781 R092358 R092945 R099340) SUP (ST10607)	
	MCS S009850	STARTS ON PAGE 0002
	MCS S010058	STARTS ON PAGE 0002
	MCS S010097	STARTS ON PAGE 0004
	MCS S010254	STARTS ON PAGE 0006
	MCS S010283	STARTS ON PAGE 0008
	MCS S010284	STARTS ON PAGE 0011
	MCS S010285	STARTS ON PAGE 0015
	MCS S010294	STARTS ON PAGE 0018
	MCS S010307	STARTS ON PAGE 0019
	MCS S010312	STARTS ON PAGE 0021
	MCS S010313	STARTS ON PAGE 0021
	MCS S010314	STARTS ON PAGE 0024
	MCS S010391	STARTS ON PAGE 0026
	MCS S010404	STARTS ON PAGE 0027
	MCS S010446	STARTS ON PAGE 0028
	MCS S010465	STARTS ON PAGE 0029
	MCS S010475	STARTS ON PAGE 0030
	MCS S010506	STARTS ON PAGE 0030
	MCS S010595	STARTS ON PAGE 0032
	MCS S010607	STARTS ON PAGE 0033

CA DB2 Tools 19.0
CA RS 1911 Product/Component Listing

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Product Family	Product	Release
Database	CA BIND ANALYZER FOR DB2 FOR Z/OS	19.00.00
	CA CHORUS DBA SERVICES	19.00.00
	CA DATABASE ANALYZER FOR DB2 FOR Z/OS	19.00.00
	CA DATABASE MANAGEMENT SOLUTION FOR DB2 FOR ZOS BASE INSTALL	19.00.00
	CA DETECTOR FOR DB2 FOR Z/OS	19.00.00
	CA ENDEVOR SOFTWARE CHANGE MANAGER INTERFACE FOR DB2	19.00.00
	CA FAST LOAD FOR DB2 FOR Z/OS	19.00.00
	CA FAST UNLOAD FOR DB2 FOR Z/OS	19.00.00
	CA LOG ANALYZER FOR DB2 FOR Z/OS	19.00.00
	CA PLAN ANALYZER FOR DB2 FOR Z/OS	19.00.00
	CA RAPID REORG FOR DB2 FOR Z/OS	19.00.00
	CA RC/EXTRACT FOR DB2 FOR Z/OS	19.00.00
	CA RC/MIGRATOR FOR DB2 FOR Z/OS	19.00.00
	CA RC/QUERY FOR DB2 FOR Z/OS	19.00.00
	CA RC/SECURE FOR DB2 FOR Z/OS	19.00.00
	CA RC/UPDATE FOR DB2 FOR Z/OS	19.00.00
	CA RECOVERY ANALYZER FOR DB2 FOR Z/OS	19.00.00
	CA REPORT FACILITY FOR TSO	19.00.00
	CA SNAPSHOT GENERAL SERVICES FOR DB2	19.00.00
	CA SUBSYSTEM ANALYZER FOR DB2 FOR Z/OS	19.00.00
	CA SYSVIEW PERFORMANCE MANAGEMENT OPTION FOR DB2 FOR Z/OS	19.00.00
	CA UTILITIES COMMON FOR DB2	19.00.00
	CA XNET COMMUNICATIONS SERVER FOR DB2	19.00.00
	UTILITY GENERAL RECOVERY AND PFR PMM PQC PFC	19.00.00
The CA RS 1911 Product/Component Count for this release is 24		

CA RS Level	Service	FMID
CAR1911	S010607	CPUTJ00
	S010595	CINSJ00
	S010506	CPRRJ00
	S010475	CPFLJ00
	S010465	CINSJ00
	S010446	CPUTJ00
	S010404	CIDBJ00
	S010391	CIDBJ00
	S010314	CPSAJ00
	S010313	CPDTJ00
	S010312	CIDBJ00
	S010307	CUGRJ00
	S010294	CRCQJ00
	S010285	CPUTJ00
	S010284	CPFLJ00
	S010283	CINSJ00
	S010254	CPDTJ00
	S010097	CIDBJ00
	S010058	CTGRJ00
	S009850	CINSJ00
CAR1910	S010225	CINSJ00
	S010156	CINSJ00
	S010130	CINSJ00
	S010040	CUGRJ00
	S010019	CPDTJ00
	S010009	CPDTJ00
	S009975	CUGRJ00
	S009972	CPUTJ00
	S009953	CPRRJ00
	S009933	CUGRJ00
	S009906	CPRRJ00
	S009895	CPUTJ00
	S009894	CINSJ00
	S009875	CINSJ00
	S009856	CINSJ00
	S009817	CINSJ00
	S008765	CINSJ00
CAR1909	S009740	CAHOJ00
	S009739	CPDTJ00
	S009707	CIDBJ00
	S009642	CUGRJ00
	S009622	CINSJ00
	S009611	CINSJ00
	S009593	CPDAJ00
	S009570	CPUTJ00
	S009507	CUGRJ00
	S009493	CINSJ00
	S009422	CTGRJ00
	S009402	CINSJ00
	S009377	CPFLJ00
	S009203	CRCMJ00
	S009202	CPPAJ00
	S009201	CINSJ00
CAR1908	S009347	CPSAJ00
	S009346	CPDTJ00

CA RS Level	Service	FMID
	S009345	CIDBJ00
	S009338	CPFUJ00
	S009296	CPSAJ00
	S009282	CIDBJ00
	S009230	CINSJ00
	S009222	CPUTJ00
	S009181	CPFLJ00
	S009171	CPRRJ00
	S009137	CUGRJ00
	S009136	CINSJ00
	S009099	CPLAJ00
	S009069	CIDBJ00
	S009060	CIDBJ00
	S009045	CINSJ00
	S009042	CPDTJ00
	S008896	CPFUJ00
	S008756	CINSJ00
	S008731	CPUTJ00
CAR1907	S008976	CINSJ00
	S008966	CPRFJ00
	S008936	CRCSJ00
	S008805	CIDBJ00
	S008784	CPUTJ00
	S008783	CUGRJ00
	S008761	CTGRJ00
	S008730	CINSJ00
	S008729	CPFUJ00
	S008719	CIDBJ00
	S008716	CPUTJ00
	S008715	CPRRJ00
	S008704	CUGRJ00
	S008678	CUGRJ00
	S008635	CUGRJ00
	S008634	CPUTJ00
	S008559	CINSJ00
	S008531	CPDTJ00
	S008522	CIDBJ00
CAR1906	S008646	CRCQJ00
	S008499	CINSJ00
	S008473	CPRAJ00
	S008465	CUGRJ00
	S008449	CPPAJ00
	S008448	CPBAJ00
	S008445	CPDTJ00
	S008351	CPFUJ00
	S008347	CRCQJ00
	S008312	CPFUJ00
	S008311	CINSJ00
	S008297	CIDBJ00
	S008281	CPDTJ00
	S008230	CIDBJ00
CAR1905	S008189	CPSAJ00
	S008183	CINSJ00
	S008126	CPDTJ00
	S008114	CPFUJ00

CA RS Level	Service	FMID
	S008097	CPDTJ00
	S008080	CPSAJ00
	S008059	CINSJ00
	S008057	CPDTJ00
	S008056	CINSJ00
	S008030	CPDTJ00
	S007985	CPUTJ00
	S007980	CPSAJ00
	S007926	CPFLJ00
	S007907	CPDTJ00
	S007885	CTGRJ00
	S007882	CPLAJ00
	S007877	CPRFJ00
	S007831	CIDBJ00
	S007830	CUGRJ00
CAR1904	S007747	CPFLJ00
	S007731	CPFUJ00
	S007721	CRCMJ00
	S007719	CPUTJ00
	S007718	CPRRJ00
	S007717	CPFLJ00
	S007710	CINSJ00
	S007676	CINSJ00
	S007669	CPFUJ00
	S007667	CPRFJ00
	S007646	CIDBJ00
	S007644	CINSJ00
	S007630	CINSJ00
	S007621	CUGRJ00
	S007620	CPUTJ00
	S007619	CPRRJ00
	S007618	CPRAJ00
	S007617	CPLAJ00
	S007616	CINSJ00
	S007546	CPDTJ00
	S007540	CINSJ00
	S007508	CIDBJ00
	S007471	CPRRJ00
	S007457	CTGRJ00
	S007344	CINSJ00
CAR1903	S007436	CAH0J00
	S007432	CINSJ00
	S007421	CIDBJ00
	S007418	CPSAJ00
	S007417	CPDTJ00
	S007416	CIDBJ00
	S007403	CIDBJ00
	S007351	CRCQJ00
	S007335	CINSJ00
	S007322	CPFUJ00
	S007244	CINSJ00
	S007236	CINSJ00
	S007216	CPSAJ00
	S007196	CPSAJ00
	S007051	CIDBJ00

CA RS Level	Service	FMID
CAR1902	S007194	CPSAJ00
	S007193	CPDTJ00
	S007192	CIDBJ00
	S007181	CPDTJ00
	S007125	CPUTJ00
	S007124	CPRRJ00
	S007083	CPLAJ00
	S007066	CIDBJ00
	S007060	CPDTJ00
	S007028	CPSAJ00
	S007027	CPDTJ00
	S007014	CUGRJ00
	S007013	CPUTJ00
	S007012	CPRRJ00
	S007011	CPFLJ00
	S007007	CIDBJ00
	S006969	CPDTJ00
	S006910	CINSJ00
	S006909	CRCQJ00
	S006852	CAH0J00
	S006827	CINSJ00
	S006773	CPDTJ00
	S006669	CIDBJ00
CAR1901	S006752	CPPAJ00
	S006751	CINSJ00
	S006735	CINSJ00
	S006716	CPPAJ00
	S006694	CINSJ00
	S006662	CINSJ00
	S006661	CPDTJ00
	S006584	CPRRJ00
	S006571	CPRRJ00
	S006560	CPSAJ00
	S006552	CINSJ00
	S006399	CINSJ00
CAR1812	S006509	CPSAJ00
	S006508	CINSJ00
	S006503	CPRFJ00
	S006456	CUGRJ00
	S006427	CINSJ00
	S006398	CIDBJ00
	S006358	CINSJ00
	S006308	CINSJ00
	S006295	CINSJ00
	S006285	CINSJ00
	S006265	CINSJ00
	S006254	CIDBJ00
	S006223	CPRRJ00
	S006152	CINSJ00
	S006084	CPRRJ00
	S006080	CPRRJ00
	S005938	CIDBJ00
CAR1811	S006035	CPFLJ00
	S005952	CUGRJ00
	S005924	CPDTJ00

CA RS Level	Service	FMID
	S005917	CINSJ00
	S005909	CINSJ00
	S005799	CIDBJ00
	S005770	CPDTJ00
	S005765	CINSJ00
	S005746	CINSJ00
	S005734	CIDBJ00
	S005705	CUGRJ00
	S005695	CINSJ00
	S005649	CIDBJ00
	S005429	CIDBJ00
CAR1810	S005610	CUGRJ00
	S005603	CPRRJ00
	S005601	CRCQJ00
	S005558	CINSJ00
	S005547	CINSJ00
	S005535	CRCUJ00
	S005494	CPFUJ00
	S005430	CIDBJ00
	S005427	CIDBJ00
	S005415	CPDTJ00
	S005386	CINSJ00
	S005359	CIDBJ00
	S005316	CUGRJ00
	S005281	CINSJ00
	S005267	CPFUJ00
	S005215	CPSAJ00
	S005165	CPUTJ00
	S005164	CPRRJ00
	S005126	CPDTJ00
	S004913	CIDBJ00
CAR1809	S005248	CRCQJ00
	S005227	CINSJ00
	S005188	CPFLJ00
	S005184	CIDBJ00
	S005168	CPFUJ00
	S005148	CUGRJ00
	S005147	CRCXJ00
	S005146	CPUTJ00
	S005145	CPRRJ00
	S005144	CPRAJ00
	S005143	CPPAJ00
	S005142	CPLAJ00
	S005141	CPFUJ00
	S005140	CPFLJ00
	S005139	CPDTJ00
	S005138	CINSJ00
	S005137	CIDBJ00
	S005135	CAHOJ00
	S005087	CINSJ00
	S005083	CPFLJ00
	S005079	CPUTJ00
	S005078	CPFUJ00
	S005069	CINSJ00
	S005063	CPRRJ00

CA RS Level	Service	FMID
	S005059	CPFUJ00
	S005055	CRCQJ00
	S005027	CUGRJ00
	S005026	CUGRJ00
	S005025	CPUTJ00
	S005024	CPFUJ00
	S005023	CPDAJ00
	S005022	CINSJ00
	S004999	CINSJ00
	S004971	CRCQJ00
	S004970	CINSJ00
	S004894	CINSJ00
	S004763	CINSJ00
	S004758	CINSJ00
	S004737	CIDBJ00
	S004679	CPFLJ00
	S004603	CIDBJ00
	S004346	CIDBJ00
CAR1808	S004749	CPFLJ00
	S004706	CUGRJ00
	S004684	CINSJ00
	S004678	CINSJ00
	S004656	CPRRJ00
	S004632	CPDTJ00
	S004523	CPRFJ00
	S004497	CPFUJ00
	S004492	CPRFJ00
	S004432	CPDTJ00
	S004428	CINSJ00
	S004410	CPDTJ00
	S004408	CINSJ00
	S004407	CIDBJ00
	S004405	CPDAJ00
	S004397	CINSJ00
	S004396	CINSJ00
	S004379	CRCSJ00
	S004313	CIDBJ00
	S004312	CIDBJ00
	S004090	CIDBJ00
CAR1807	S004216	CPDTJ00
	S004210	CPDTJ00
	S004202	CPDTJ00
	S004196	CINSJ00
	S004192	CINSJ00
	S004188	CPLAJ00
	S004164	CINSJ00
	S004154	CINSJ00
	S004139	CUGRJ00
	S004123	CUGRJ00
	S004106	CPDTJ00
	S004089	CTGRJ00
	S004081	CPDAJ00
	S004074	CPUTJ00
	S004073	CPRRJ00
	S004072	CPFUJ00

CA RS Level	Service	FMID
	S004071	CPFLJ00
	S004067	CPUTJ00
	S004041	CPDTJ00
	S004031	CPDTJ00
	S004022	CPRRJ00
	S004000	CPRAJ00
	S003970	CINSJ00
	S003964	CUGRJ00
	S003906	CPRRJ00
	S003898	CPFUJ00
	S003888	CPRAJ00
	S003887	CINSJ00
	S003884	CPFLJ00
	S003865	CPDTJ00
	S003822	CINSJ00
	S003798	CPLAJ00
	S003733	CIDBJ00
	S003642	CPDTJ00
	S001795	CPFUJ00
	S000823	CPLAJ00
CAR1806	S003751	CINSJ00
	S003709	CIDBJ00
	S003675	CUGRJ00
	S003652	CINSJ00
	S003650	CINSJ00
	S003624	CPUTJ00
	S003618	CUGRJ00
	S001933	CUGRJ00
	S001894	CIDBJ00
	S001892	CINSJ00
	S001881	CINSJ00
	S001876	CPDTJ00
	S001875	CINSJ00
	S001865	CPSAJ00
	S001857	CINSJ00
	S001835	CPDTJ00
	S001832	CPSAJ00
	S001831	CPDTJ00
	S001817	CPFUJ00
	S001797	CRCQJ00
	S001784	CPDTJ00
	S001782	CINSJ00
	S001780	CINSJ00
	S001769	CPDTJ00
	S001432	CIDBJ00
CAR1805	S001699	CPSAJ00
	S001698	CPDTJ00
	S001697	CINSJ00
	S001696	CIDBJ00
	S001621	CPRFJ00
	S001558	CRCQJ00
	S001540	CIDBJ00
	S001524	CINSJ00
	S001482	CPFUJ00
	S001470	CPSAJ00

CA RS Level	Service	FMID
	S001469	CPDTJ00
	S001465	CINSJ00
	S001460	CPRRJ00
	S001454	CUGRJ00
	S001453	CPLAJ00
	S001452	CINSJ00
	S001451	CIDBJ00
	S001446	CPRFJ00
	S001340	CRCUJ00
	S001339	CINSJ00
	S001302	CINSJ00
	S001292	CINSJ00
	S001289	CPDTJ00
	S001281	CINSJ00
	S001229	CPSAJ00
	S001218	CINSJ00
	S001217	CINSJ00
	S001165	CPFUJ00
	S001162	CPLAJ00
	S001159	CIDBJ00
	S001100	CINSJ00
	S001088	CIDBJ00
	S001075	CPUTJ00
	S001074	CINSJ00
CAR1804	S001188	CINSJ00
	S001072	CINSJ00
	S001041	CUGRJ00
	S001040	CPFUJ00
	S001028	CIDBJ00
	S000974	CINSJ00
	S000965	CRCQJ00
	S000959	CRCMJ00
	S000952	CINSJ00
	S000897	CPDTJ00
	S000879	CINSJ00
	S000878	CINSJ00
	S000852	CUGRJ00
	S000806	CPDTJ00
	S000793	CINSJ00
	S000762	CIDBJ00
	S000761	CPDTJ00
	S000758	CUGRJ00
	S000735	CINSJ00
	S000705	CPRFJ00
	S000687	CPDTJ00
	S000590	CIDBJ00
	S000566	CPRRJ00
	S000565	CINSJ00
	S000484	CIDBJ00
CAR1803	S000684	CINSJ00
	S000654	CPFUJ00
	S000653	CPFUJ00
	S000637	CPSAJ00
	S000622	CPRAJ00
	S000615	CINSJ00

CA RS Level	Service	FMID
	S000574	CPDTJ00
	S000558	CINSJ00
	S000555	CINSJ00
	S000548	CRCQJ00
	S000547	CRCUJ00
	S000506	CIDBJ00
	S000480	CINSJ00
	S000467	CIDBJ00
	S000462	CINSJ00
	S000424	CINSJ00
	S000413	CINSJ00
	S000367	CPDTJ00
	S000348	CINSJ00
	S000332	CUGRJ00
	S000307	CPDAJ00
	S000306	CPFUJ00
	S000284	CINSJ00
	S000273	CTGRJ00
	S000271	CIDBJ00
	S000206	CPFUJ00
	S000001	CIDBJ00
	R099122	CPDTJ00
	R099121	CINSJ00
CAR1802	S000259	CUGRJ00
	S000213	CPRRJ00
	S000189	CINSJ00
	S000176	CRCUJ00
	S000175	CPFUJ00
	S000138	CINSJ00
	S000128	CUGRJ00
	S000126	CRCQJ00
	S000125	CINSJ00
	S000118	CPSAJ00
	S000107	CINSJ00
	S000099	CPRFJ00
	S000095	CPDTJ00
	S000089	CIDBJ00
	S000086	CRCQJ00
	S000080	CPFLJ00
	S000067	CPFUJ00
	S000061	CIDBJ00
	S000045	CIDBJ00
	S000037	CPDTJ00
	S000011	CINSJ00
	R099986	CPFUJ00
	R099985	CINSJ00
	R099959	CINSJ00
	R099945	CPSAJ00
	R099944	CPDTJ00
	R099943	CINSJ00
	R099941	CIDBJ00
	R099934	CINSJ00
	R099920	CRCQJ00
	R099919	CINSJ00
	R099894	CPDTJ00

CA DB2 Tools 19.0
All CA RS Levels Service List

CA RS Level	Service	FMID
	R099892	CUGRJ00
	R099891	CRCQJ00
	R099851	CIDBJ00
	R099850	CPDAJ00
	R099831	CPUTJ00
	R099830	CPFLJ00
	R099702	CIDBJ00
	R099699	CPDTJ00
	R099686	CIDBJ00
	R099649	CPFUJ00
	R099648	CIDBJ00
	R099529	CPSAJ00
	R099528	CPDTJ00
	R099522	CIDBJ00
	R099292	CPLAJ00
	R099064	CIDBJ00
CAR1801	R099843	CINSJ00
	R099835	CINSJ00
	R099741	CINSJ00
	R099705	CINSJ00
	R099684	CIDBJ00
	R099609	CINSJ00
	R099590	CPRFJ00
	R099519	CRCQJ00
	R099494	CINSJ00
	R099427	CINSJ00
	R099424	CPDTJ00
	R099379	CRCQJ00
	R099353	CPDTJ00
	R099349	CRCQJ00
	R099340	CPUTJ00
	R099339	CPRRJ00
	R099338	CPFLJ00
	R099306	CINSJ00
	R099077	CPDTJ00
CAR1712	R099289	CINSJ00
	R099268	CPFLJ00
	R099188	CPFUJ00
	R099187	CINSJ00
	R099172	CINSJ00
	R099139	CPFUJ00
	R099114	CINSJ00
	R099098	CINSJ00
	R099073	CPRFJ00
	R099037	CINSJ00
	R099027	CPRRJ00
	R099026	CINSJ00
	R099021	CPFUJ00
	R099014	CINSJ00
	R099013	CPUTJ00
	R099011	CPDTJ00
	R098986	CINSJ00
	R098985	CINSJ00
	R098983	CPDTJ00
	R098966	CINSJ00

CA RS Level	Service	FMID
	R098956	CRCQJ00
	R098954	CUGRJ00
	R098928	CINSJ00
	R098909	CTGRJ00
	R098906	CPDTJ00
	R098881	CINSJ00
	R098869	CUGRJ00
	R098855	CPDTJ00
	R098845	CPDTJ00
	R098768	CPDTJ00
	R098746	CPDTJ00
	R098699	CPUTJ00
	R098698	CPRRJ00
	R098631	CINSJ00
	R098515	CINSJ00
	R098187	CPLAJ00
	R097048	CINSJ00
	R086718	CPDTJ00
	R085659	CPDTJ00
	R085001	CPDTJ00
	R084899	CPDTJ00
	R084456	CPDTJ00
CAR1711	R098819	CRCQJ00
	R098809	CINSJ00
	R098722	CRCQJ00
	R098680	CIDBJ00
	R098669	CPUTJ00
	R098630	CIDBJ00
	R098624	CUGRJ00
	R098623	CPRAJ00
	R098622	CPLAJ00
	R098621	CINSJ00
	R098619	CINSJ00
	R098610	CPSAJ00
	R098609	CPDTJ00
	R098603	CIDBJ00
	R098585	CRCMJ00
	R098549	CPDTJ00
	R098463	CINSJ00
	R098436	CINSJ00
	R098425	CPDTJ00
	R098422	CINSJ00
	R098413	CINSJ00
	R098386	CPDTJ00
	R098322	CIDBJ00
	R098320	CPDTJ00
	R098313	CPFUJ00
	R098265	CINSJ00
	R098176	CPDTJ00
	R098130	CUGRJ00
	R098080	CPSAJ00
	R098079	CPDTJ00
	R098078	CINSJ00
	R098007	CPPAJ00
	R096601	CPLAJ00

CA RS Level	Service	FMID
	R095840	CPUTJ00
	R095839	CINSJ00
CAR1710	R098238	CRCQJ00
	R098236	CINSJ00
	R098200	CPDTJ00
	R098145	CINSJ00
	R098107	CPRAJ00
	R098098	CPFUJ00
	R098047	CINSJ00
	R098038	CPRFJ00
	R098012	CPDTJ00
	R097895	CINSJ00
	R097870	CUGRJ00
	R097867	CRCUJ00
	R097803	CINSJ00
	R097785	CPXNJ00
	R097630	CPSAJ00
	R097582	CIDBJ00
	R097440	CPDTJ00
CAR1709	R097759	CINSJ00
	R097745	CINSJ00
	R097697	CIDBJ00
	R097654	CPUTJ00
	R097649	CPDTJ00
	R097643	CINSJ00
	R097636	CRCQJ00
	R097606	CPUTJ00
	R097605	CPRRJ00
	R097604	CINSJ00
	R097592	CINSJ00
	R097573	CPRAJ00
	R097571	CIDBJ00
	R097520	CUGRJ00
	R097515	CINSJ00
	R097477	CINSJ00
	R097363	CPRFJ00
	R097324	CINSJ00
	R097277	CRCQJ00
	R097270	CPFUJ00
	R097255	CPSAJ00
	R097230	CIDBJ00
	R097227	CIDBJ00
	R097204	CIDBJ00
	R097176	CINSJ00
	R086536	CPDTJ00
	R086415	CPDTJ00
	R085918	CPDTJ00
	R084992	CPDTJ00
	R083779	CPDTJ00
	R079581	CPDTJ00
	R079164	CPDTJ00
CAR1708	R097206	CINSJ00
	R097202	CPFLJ00
	R097145	CPDTJ00
	R097135	CIDBJ00

CA RS Level	Service	FMID
	R097129	CPDTJ00
	R097110	CRCXJ00
	R097109	CINSJ00
	R097099	CINSJ00
	R097074	CPDTJ00
	R097071	CPDTJ00
	R097070	CINSJ00
	R097024	CINSJ00
	R096974	CIDBJ00
	R096932	CINSJ00
	R096928	CPRRJ00
	R096927	CPRRJ00
	R096923	CPSAJ00
	R096922	CPDTJ00
	R096867	CIDBJ00
	R096863	CPDTJ00
	R096850	CRCQJ00
	R096849	CINSJ00
CAR1707	R096844	CPRAJ00
	R096786	CRCQJ00
	R096780	CPRAJ00
	R096778	CPUTJ00
	R096777	CPRRJ00
	R096775	CINSJ00
	R096774	CPDTJ00
	R096711	CIDBJ00
	R096706	CINSJ00
	R096694	CPDTJ00
	R096690	CPUTJ00
	R096689	CPRRJ00
	R096688	CPFLJ00
	R096687	CPDAJ00
	R096686	CINSJ00
	R096655	CPRFJ00
	R096642	CINSJ00
	R096625	CUGRJ00
	R096599	CPFUJ00
	R096562	CPPAJ00
	R096561	CINSJ00
	R096545	CPRRJ00
	R096544	CINSJ00
	R096533	CPFLJ00
	R096530	CPDTJ00
	R096529	CINSJ00
	R096528	CRCUJ00
	R096442	CINSJ00
	R096441	CPDTJ00
	R096430	CPRFJ00
	R096415	CUGRJ00
	R096410	CRCUJ00
	R096409	CPSAJ00
	R096407	CPSAJ00
	R096396	CINSJ00
	R096369	CINSJ00
	R096357	CPFLJ00

CA RS Level	Service	FMID
	R096355	CPFUJ00
	R095171	CINSJ00
CAR1706	R096351	CRCUJ00
	R096335	CPXNJ00
	R096334	CINSJ00
	R096333	CIDBJ00
	R096309	CPUTJ00
	R096308	CPRRJ00
	R096307	CINSJ00
	R096297	CIDBJ00
	R096275	CRCUJ00
	R096255	CINSJ00
	R096251	CPFLJ00
	R096241	CPLAJ00
	R096240	CINSJ00
	R096224	CRCQJ00
	R096223	CPDAJ00
	R096222	CINSJ00
	R096170	CPFUJ00
	R096163	CPDAJ00
	R096152	CPFUJ00
	R096142	CPUTJ00
	R096141	CPFLJ00
	R096140	CINSJ00
	R096098	CINSJ00
	R096095	CPDTJ00
	R096063	CUGRJ00
	R096062	CINSJ00
	R096042	CPDTJ00
	R096038	CPDTJ00
	R096037	CINSJ00
	R096036	CUGRJ00
	R096035	CPUTJ00
	R096034	CPRRJ00
	R096033	CPFLJ00
	R096026	CPUTJ00
	R096025	CPFLJ00
	R096021	CPFUJ00
	R096004	CINSJ00
	R095961	CINSJ00
	R095942	CINSJ00
	R095921	CPDTJ00
	R095920	CINSJ00
	R095919	CINSJ00
	R095912	CINSJ00
	R095898	CRCQJ00
	R095589	CPDTJ00
	R095556	CPRAJ00
	R095385	CINSJ00
	R095365	CPUTJ00
	R095364	CPRRJ00
	R095363	CINSJ00
	R095202	CINSJ00
CAR1705	R095868	CINSJ00
	R095708	CPDTJ00

CA RS Level	Service	FMID
	R095707	CINSJ00
	R095673	CIDBJ00
	R095597	CPDAJ00
	R095569	CINSJ00
	R095568	CINSJ00
	R095488	CPFUJ00
	R095485	CIDBJ00
	R095469	CINSJ00
	R095446	CUGRJ00
	R095445	CPLAJ00
	R095444	CINSJ00
	R095440	CINSJ00
	R095381	CPPAJ00
	R095380	CINSJ00
	R095378	CPPAJ00
	R095376	CPDTJ00
	R095375	CPFUJ00
	R095346	CIDBJ00
	R095336	CRCQJ00
	R095334	CPUTJ00
	R095333	CPRRJ00
	R095299	CINSJ00
	R095269	CPDAJ00
	R095268	CINSJ00
	R095231	CPUTJ00
	R095149	CPDTJ00
	R095049	CINSJ00
	R095043	CPUTJ00
	R095042	CPFLJ00
CAR1704	R095335	CPSAJ00
	R095308	CINSJ00
	R095288	CINSJ00
	R095274	CINSJ00
	R095257	CUGRJ00
	R095150	CINSJ00
	R095124	CUGRJ00
	R095123	CPUTJ00
	R095121	CINSJ00
	R095119	CPPAJ00
	R095114	CINSJ00
	R095048	CPLAJ00
	R095047	CINSJ00
	R095038	CPDTJ00
	R095029	CINSJ00
	R095013	CINSJ00
	R095011	CPPAJ00
	R095010	CINSJ00
	R095007	CINSJ00
	R095006	CPSAJ00
	R095002	CINSJ00
	R094995	CPDAJ00
	R094994	CINSJ00
	R094992	CPUTJ00
	R094991	CPRRJ00
	R094990	CINSJ00

CA RS Level	Service	FMID
	R094982	CPDTJ00
	R094980	CINSJ00
	R094882	CPDTJ00
	R094845	CPDTJ00
	R094749	CUGRJ00
	R094748	CRCXJ00
	R094747	CRCUJ00
	R094746	CRCSJ00
	R094745	CRCQJ00
	R094744	CRCMJ00
	R094743	CPUTJ00
	R094742	CPSAJ00
	R094741	CPRRJ00
	R094738	CPRFJ00
	R094737	CPRAJ00
	R094736	CPPAJ00
	R094735	CPLAJ00
	R094734	CPFUJ00
	R094733	CPFLJ00
	R094732	CPDTJ00
	R094731	CPDAJ00
	R094730	CPBAJ00
	R094729	CINSJ00
	R094728	CIDBJ00
	R094702	CINSJ00
	R094701	CINSJ00
CAR1703	R094594	CPSAJ00
	R094593	CPDTJ00
	R094510	CPFLJ00
	R094478	CPFUJ00
	R094358	CPDTJ00
	R094271	CINSJ00
	R094270	CPUTJ00
	R094220	CUGRJ00
	R094219	CRCXJ00
	R094218	CRCUJ00
	R094217	CRCQJ00
	R094216	CPXNJ00
	R094215	CPUTJ00
	R094214	CPSAJ00
	R094213	CPRRJ00
	R094210	CPRFJ00
	R094209	CPRAJ00
	R094208	CPPAJ00
	R094207	CPLAJ00
	R094206	CPFUJ00
	R094205	CPDTJ00
	R094204	CPDAJ00
	R094203	CPBAJ00
	R094202	CINSJ00
	R094201	CIDBJ00
	R094199	CAHOJ00
CAR1702	R094030	CPDTJ00
	R093954	CINSJ00
	R093690	CPRRJ00

CA RS Level	Service	FMID
	R086370	CTGRJ00
	R085793	CTGRJ00
	R084244	CTGRJ00
	R083901	CTGRJ00
	R081563	CTGRJ00
	R081037	CTGRJ00
	R078772	CTGRJ00
	R078677	CTGRJ00
CAR1701	R093440	CIDBJ00
	R093376	CPSAJ00
	R093375	CPDTJ00
CAR1612	R093203	CPDAJ00
	R093030	CPFUJ00
	R093019	CPLAJ00
	R093018	CINSJ00
	R092972	CINSJ00
	R092952	CUGRJ00
	R092951	CTGRJ00
	R092950	CRCXJ00
	R092949	CRCUJ00
	R092948	CRCSJ00
	R092947	CRCQJ00
	R092946	CRCMJ00
	R092945	CPUTJ00
	R092944	CPSAJ00
	R092943	CPRRJ00
	R092939	CPRFJ00
	R092938	CPRAJ00
	R092937	CPPAJ00
	R092936	CPLAJ00
	R092935	CPFUJ00
	R092934	CPFLJ00
	R092933	CPDTJ00
	R092932	CPDAJ00
	R092931	CINSJ00
	R092930	CIDBJ00
	R092873	CINSJ00
	R092872	CINSJ00
	R092863	CPFUJ00
	R092622	CIDBJ00
	R092613	CPFUJ00
	R092543	CPFUJ00
	R092534	CINSJ00
	R092517	CUGRJ00
	R092389	CPLAJ00
	R092364	CUGRJ00
	R092363	CTGRJ00
	R092362	CRCXJ00
	R092361	CRCUJ00
	R092360	CRCQJ00
	R092359	CRCMJ00
	R092358	CPUTJ00
	R092357	CPSAJ00
	R092356	CPRRJ00
	R092355	CPPAJ00

CA RS Level	Service	FMID
	R092354	CPLAJ00
	R092353	CPFUJ00
	R092352	CPFLJ00
	R092351	CPDTJ00
	R092350	CPDAJ00
	R092347	CINSJ00
	R092346	CIDBJ00
	R092344	CAH0J00
	R092190	CPDTJ00
	R092189	CINSJ00
	R092164	CIDBJ00
	R092082	CUGRJ00
	R091787	CUGRJ00
	R091786	CTGRJ00
	R091785	CRCXJ00
	R091784	CRCUJ00
	R091783	CRCQJ00
	R091782	CPXNJ00
	R091781	CPUTJ00
	R091780	CPRRJ00
	R091777	CPRFJ00
	R091776	CPPAJ00
	R091775	CPFUJ00
	R091774	CPFLJ00
	R091773	CPDTJ00
	R091772	CPDAJ00
	R091771	CINSJ00
	R091770	CIDBJ00
	R091728	CPFUJ00
	R091623	CPDTJ00
	R091573	CPFUJ00
	R091442	CIDBJ00
	R091332	CPDTJ00
	R091322	CUGRJ00
	R091321	CRCXJ00
	R091320	CRCQJ00
	R091319	CRCMJ00
	R091318	CPUTJ00
	R091317	CPRRJ00
	R091316	CPRAJ00
	R091315	CPPAJ00
	R091314	CPLAJ00
	R091313	CPFUJ00
	R091312	CPFLJ00
	R091311	CPDTJ00
	R091310	CPDAJ00
	R091309	CINSJ00
	R091308	CIDBJ00
	R091241	CPDTJ00
	R091224	CPRRJ00
	R091193	CPDTJ00
	R091192	CINSJ00
	R091122	CPLAJ00
	R091103	CRCXJ00
	R091102	CRCUJ00

CA RS Level	Service	FMID
	R091101	CPLAJ00
	R091100	CPFUJ00
	R091096	CINSJ00
	R091068	CRCQJ00
	R091037	CUGRJ00
	R091036	CTGRJ00
	R091035	CPXNJ00
	R091034	CPUTJ00
	R091033	CPSAJ00
	R091032	CPRRJ00
	R091031	CPRAJ00
	R091030	CPPAJ00
	R091029	CPLAJ00
	R091028	CPFUJ00
	R091027	CPFLJ00
	R091026	CPDTJ00
	R091025	CPDAJ00
	R091024	CPBAJ00
	R091023	CINSJ00
	R091022	CIDBJ00
	R091012	CINSJ00
	R090989	CPLAJ00
	R090858	CINSJ00
	R090815	CRCUJ00
	R090737	CRCUJ00
	R090706	CINSJ00
	R090683	CINSJ00
	R090669	CINSJ00
	R090667	CINSJ00
	R090666	CINSJ00
	R090660	CTGRJ00
	R090635	CPSAJ00
	R090614	CRCXJ00
	R090596	CINSJ00
	R090576	CIDBJ00
	R090564	CRCQJ00
	R090563	CINSJ00
	R090541	CINSJ00
	R090510	CPRAJ00
	R090498	CPPAJ00
	R090497	CINSJ00
	R090492	CINSJ00
	R090476	CRCQJ00
	R090442	CPDTJ00
	R090433	CPDTJ00
	R090387	CIDBJ00
	R090382	CINSJ00
	R090333	CPDTJ00
	R090327	CINSJ00
	R090298	CINSJ00
	R090295	CINSJ00
	R090176	CUGRJ00
	R090175	CPUTJ00
	R090164	CRCMJ00
	R090163	CINSJ00

CA RS Level	Service	FMID
	R090140	CPDTJ00
	R090139	CPRRJ00
	R090130	CPDTJ00
	R090089	CRCMJ00
	R090088	CINSJ00
	R090023	CPDTJ00
	R090016	CPDTJ00
	R089942	CINSJ00
	R089885	CUGRJ00
	R089884	CRCUJ00
	R089883	CPUTJ00
	R089882	CPPAJ00
	R089881	CPLAJ00
	R089880	CPFUJ00
	R089879	CINSJ00
	R089825	CINSJ00
	R089817	CINSJ00
	R089802	CPDAJ00
	R089801	CINSJ00
	R089766	CRCUJ00
	R089761	CRCQJ00
	R089743	CRCXJ00
	R089738	CINSJ00
	R089699	CPLAJ00
	R089693	CRCUJ00
	R089692	CINSJ00
	R089657	CIDBJ00
	R089647	CUGRJ00
	R089646	CPUTJ00
	R089645	CPRRJ00
	R089644	CPRAJ00
	R089643	CPLAJ00
	R089642	CPFUJ00
	R089641	CPFLJ00
	R089640	CPDAJ00
	R089639	CINSJ00
	R089633	CPRAJ00
	R089606	CINSJ00
	R089589	CIDBJ00
	R089538	CRCXJ00
	R089537	CPLAJ00
	R089536	CINSJ00
	R089496	CPRFJ00
	R089463	CPDTJ00
	R089446	CPFUJ00
	R089441	CPUTJ00
	R089440	CPRRJ00
	R089389	CPRFJ00
	R089317	CPSAJ00
	R089316	CINSJ00
	R089299	CRCXJ00
	R089298	CPLAJ00
	R089273	CPDTJ00
	R089264	CPPAJ00
	R089230	CPDTJ00

CA RS Level	Service	FMID
	R089228	CPPAJ00
	R089227	CINSJ00
	R089174	CPDTJ00
	R089137	CPUTJ00
	R089136	CPRRJ00
	R089129	CPFUJ00
	R089118	CINSJ00
	R089114	CINSJ00
	R089112	CIDBJ00
	R089096	CPSAJ00
	R089073	CPRFJ00
	R089056	CUGRJ00
	R089055	CPUTJ00
	R089054	CPRAJ00
	R089038	CIDBJ00
	R089024	CPPAJ00
	R089023	CPBAJ00
	R089022	CINSJ00
	R089001	CPFLJ00
	R088935	CINSJ00
	R088915	CRCMJ00
	R088914	CINSJ00
	R088899	CINSJ00
	R088820	CINSJ00
	R088771	CUGRJ00
	R088752	CPSAJ00
	R088751	CPDTJ00
	R088750	CINSJ00
	R088741	CPDTJ00
	R088740	CINSJ00
	R088735	CRCQJ00
	R088706	CINSJ00
	R088697	CRCXJ00
	R088696	CRCUJ00
	R088695	CINSJ00
	R088682	CPRFJ00
	R088660	CUGRJ00
	R088659	CPUTJ00
	R088658	CPRRJ00
	R088657	CPFUJ00
	R088656	CPFLJ00
	R088655	CINSJ00
	R088642	CPLAJ00
	R088639	CRCQJ00
	R088626	CINSJ00
	R088607	CPDTJ00
	R088598	CIDBJ00
	R088563	CPUTJ00
	R088562	CPRRJ00
	R088561	CPFUJ00
	R088560	CPFLJ00
	R088553	CPPAJ00
	R088552	CINSJ00
	R088529	CPUTJ00
	R088528	CPRRJ00

CA RS Level	Service	FMID
	R088502	CRCXJ00
	R088501	CRCUJ00
	R088500	CRCMJ00
	R088499	CINSJ00
	R088472	CPLAJ00
	R088413	CINSJ00
	R088357	CPDTJ00
	R088353	CIDBJ00
	R088345	CUGRJ00
	R088344	CPUTJ00
	R088343	CPRRJ00
	R088342	CINSJ00
	R088299	CINSJ00
	R088297	CPUTJ00
	R088296	CPFUJ00
	R088295	CINSJ00
	R088286	CRCUJ00
	R088274	CPDAJ00
	R088249	CRCQJ00
	R088246	CPLAJ00
	R088223	CINSJ00
	R088163	CIDBJ00
	R088152	CPDAJ00
	R088149	CPDAJ00
	R088142	CPDAJ00
	R088100	CIDBJ00
	R088070	CPDTJ00
	R088041	CPDTJ00
	R087991	CINSJ00
	R087976	CIDBJ00
	R087957	CPDTJ00
	R087916	CINSJ00
	R087908	CPSAJ00
	R087895	CPRFJ00
	R087884	CPRRJ00
	R087864	CUGRJ00
	R087843	CPRAJ00
	R087824	CINSJ00
	R087817	CINSJ00
	R087798	CINSJ00
	R087797	CINSJ00
	R087796	CINSJ00
	R087788	CIDBJ00
	R087639	CIDBJ00
	R087636	CIDBJ00
	R087633	CPFLJ00
	R087632	CPFLJ00
	R087629	CINSJ00
	R087582	CINSJ00
	R087539	CIDBJ00
	R087535	CUGRJ00
	R087534	CPUTJ00
	R087533	CPRAJ00
	R087532	CINSJ00
	R087501	CPSAJ00

CA RS Level	Service	FMID
	R087383	CUGRJ00
	R087382	CRCXJ00
	R087381	CRCSJ00
	R087380	CRCQJ00
	R087379	CRCMJ00
	R087378	CPXNJ00
	R087377	CPUTJ00
	R087376	CPSAJ00
	R087375	CPRFJ00
	R087374	CPRAJ00
	R087373	CPPAJ00
	R087372	CPLAJ00
	R087371	CPDTJ00
	R087370	CPDAJ00
	R087369	CPBAJ00
	R087368	CINSJ00
	R087367	CIDBJ00
	R086515	CPPAJ00
	R086514	CINSJ00
	R086425	CPPAJ00
	R086424	CINSJ00