

CA DB2 Tools 19.0
CA RS 1803 Service List

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Service	Description	Type
R099121	DATASTORE REPAIR UTILITY	PTF
R099122	DATASTORE REPAIR UTILITY	PTF
S000001	IFCID 148 FIELDS TCB-CPU-TOT AND DECL-CPU-APPL ARE ZERO	PTF
S000206	MISSING ROWS WHEN UNLOADING FROM AN IMAGE COPY	*HIP/PRP*
S000271	IFCID 317 READS PERFORMANCE ENHANCEMENT	PTF
S000273	SNAPSHOT GENERAL SERVICES FAIL WITH S0C6 ABEND ON Z/OS 2.3	PTF
S000284	TRACKMOD YES NOT GENERATED WHEN IMPTKMOD IS SET TO 'NO'	PTF
S000306	SELECT WHERE IN LIST PROCESSING CLEANUP INCOMPLETE	PTF
S000307	NEW TSP/ISP RTS DSNACCOX CONDITIONS	PTF
S000332	COPY-BUFFERS NOT MULTIPLY OF 8 PQC0711E PQC0719E	PTF
S000348	TRIGGERS ARE DROP/CREATED WHEN THEY ARE NOT SUPPOSED TO.	PTF
S000367	UNABLE TO DISPLAY SQL TEXT WITH SPECIAL CHAR IN COMMENT	PTF
S000413	LOG MAINTENANCE BACKUP/PURGE SERVICE FAILS WITH SQLCODE -122	PTF
S000424	EXCLUDE DEPENDENT FLAG NOT RESTORED	PTF
S000462	RCM GENERATES DROP DDL FOR IMPLICITLY CREATED LOB TABLESPACE	PTF
S000467	SQLCODE -312 IN EXPLAIN	PTF
S000480	S0C4 IN PXMQMGCC CAUSES DETECTOR COLLECTION TO TERMINATE	PTF
S000506	ABEND S0C4-3B NTABLESC+1B1 VIEWING DATA SET IO STATS REQUEST	PTF
S000547	GRAPHIC DATA IS DISPLAYED INCORRECTLY IN COLUMN MODE	PTF
S000548	LINE COMMAND COUNT NOT FUNCTIONING ON ALIAS OBJECT	PTF
S000555	RECOVERY SCRIPT HAS FOREIGN KEY COLUMNS IN INCORRECT ORDER	PTF
S000558	XMANAGER TERMINATION CAN CAUSE S138 ABEND	PTF
S000574	0C4 WHEN UNLOADING DATASTORE	PTF
S000615	HELP PANEL PTHPMUBB TOO BIG FOR 24 LINE SCREEN AFTER R096140	PTF
S000622	DIFFERENCE IN ARCHIVE LOGS COPIED	PTF
S000637	0C4 DUE CONFLICT WITH Z/OS 2.1 AND UI51499 DB2 V12	** PRP **
S000653	PFU0123E SQL-805 MISSING UTAFUSPG CDBASKL0 PFUPACK	PTF
S000654	NEW PARAMETER NULL-FILL TO FILL DATA PART OF NULL FIELDS	PTF
S000684	SPORADIC S0C4 IN ROLDDL	PTF
The CA RS 1803 service count for this release is 29		

CA DB2 Tools
CA RS 1803 Service List for CIDBJ00

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FMID	Service	Description	Type
CIDBJ00	S000001	IFCID 148 FIELDS TCB-CPU-TOT AND DECL-CPU-APPL ARE ZERO	PTF
	S000271	IFCID 317 READS PERFORMANCE ENHANCEMENT	PTF
	S000467	SQLCODE -312 IN EXPLAIN	PTF
	S000506	ABEND S0C4-3B NTABLESC+1B1 VIEWING DATA SET IO STATS REQUEST	PTF
The CA RS 1803 service count for this FMID is 4			

CA DB2 Tools
CA RS 1803 Service List for CINSJ00

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FMID	Service	Description	Type
CINSJ00	R099121	DATASTORE REPAIR UTILITY	PTF
	S000284	TRACKMOD YES NOT GENERATED WHEN IMPTKMOD IS SET TO 'NO'	PTF
	S000348	TRIGGERS ARE DROP/CREATED WHEN THEY ARE NOT SUPPOSED TO.	PTF
	S000413	LOG MAINTENANCE BACKUP/PURGE SERVICE FAILS WITH SQLCODE -122	PTF
	S000424	EXCLUDE DEPENDENT FLAG NOT RESTORED	PTF
	S000462	RCM GENERATES DROP DDL FOR IMPLICITLY CREATED LOB TABLESPACE	PTF
	S000480	S0C4 IN PXMQMGCC CAUSES DETECTOR COLLECTION TO TERMINATE	PTF
	S000555	RECOVERY SCRIPT HAS FOREIGN KEY COLUMNS IN INCORRECT ORDER	PTF
	S000558	XMANAGER TERMINATION CAN CAUSE S138 ABEND	PTF
	S000615	HELP PANEL PTHPMUBB TOO BIG FOR 24 LINE SCREEN AFTER R096140	PTF
	S000684	SPORADIC S0C4 IN ROLDDL	PTF
The CA RS 1803 service count for this FMID is 11			

CA DB2 Tools
CA RS 1803 Service List for CPDAJ00

FMID	Service	Description	Type
CPDAJ00	S000307	NEW TSP/ISP RTS DSNACCOX CONDITIONS	PTF
The CA RS 1803 service count for this FMID is 1			

CA DB2 Tools
CA RS 1803 Service List for CPDTJ00

FMID	Service	Description	Type
CPDTJ00	R099122	DATASTORE REPAIR UTILITY	PTF
	S000367	UNABLE TO DISPLAY SQL TEXT WITH SPECIAL CHAR IN COMMENT	PTF
	S000574	0C4 WHEN UNLOADING DATASTORE	PTF
The CA RS 1803 service count for this FMID is 3			

CA DB2 Tools
CA RS 1803 Service List for CPFUJ00

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FMID	Service	Description	Type
CPFUJ00	S000206	MISSING ROWS WHEN UNLOADING FROM AN IMAGE COPY	*HIP/PRP*
	S000306	SELECT WHERE IN LIST PROCESSING CLEANUP INCOMPLETE	PTF
	S000653	PFU0123E SQL-805 MISSING UTAFUSPG CDBASKL0 PFUPACK	PTF
	S000654	NEW PARAMETER NULL-FILL TO FILL DATA PART OF NULL FIELDS	PTF
The CA RS 1803 service count for this FMID is 4			

CA DB2 Tools
CA RS 1803 Service List for CPRAJ00

FMID	Service	Description	Type
CPRAJ00	S000622	DIFFERENCE IN ARCHIVE LOGS COPIED	PTF
The CA RS 1803 service count for this FMID is 1			

CA DB2 Tools
CA RS 1803 Service List for CPSAJ00

FMID	Service	Description	Type
CPSAJ00	S000637	0C4 DUE CONFLICT WITH Z/OS 2.1 AND UI51499 DB2 V12	** PRP **
The CA RS 1803 service count for this FMID is 1			

CA DB2 Tools
CA RS 1803 Service List for CRCQJ00

FMID	Service	Description	Type
CRCQJ00	S000548	LINE COMMAND COUNT NOT FUNCTIONING ON ALIAS OBJECT	PTF
The CA RS 1803 service count for this FMID is 1			

CA DB2 Tools
CA RS 1803 Service List for CRCUJ00

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FMID	Service	Description	Type
CRCUJ00	S000547	GRAPHIC DATA IS DISPLAYED INCORRECTLY IN COLUMN MODE	PTF
The CA RS 1803 service count for this FMID is 1			

CA DB2 Tools
CA RS 1803 Service List for CTGRJ00

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FMID	Service	Description	Type
CTGRJ00	S000273	SNAPSHOT GENERAL SERVICES FAIL WITH SOC6 ABEND ON Z/OS 2.3	PTF
The CA RS 1803 service count for this FMID is 1			

CA DB2 Tools
CA RS 1803 Service List for CUGRJ00

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FMID	Service	Description	Type
CUGRJ00	S000332	COPY-BUFFERS NOT MULTIPLY OF 8 PQC0711E PQC0719E	PTF
The CA RS 1803 service count for this FMID is 1			

Service	Details						
R099121	R099121 M.C.S. ENTRIES = ++PTF (R099121) DATASTORE REPAIR UTILITY ENHANCEMENT DESCRIPTION: CA Detector for DB2 for z/OS (PDT) product release information stored for intervals in the datastore datasets is not correct. Interval records written by R18 contain "Collection Information" when they should not. The following PTFs resolve the problems that caused this incorrect information. R18 - R098082(PXM) AND R098083(PDT) R19 - R098078(PXM) AND R098079(PDT) R20 - R098087(PXM) AND R098088(PDT) A repair utility is being supplied by this enhancement to correct the information in the datastore datasets. See the PDTDSRPR member in hlq.CDBAJCL (R20) or hlq.CDBASRC (R18/R19) for sample JCL. PRODUCT(S) AFFECTED: <table> <tr> <td>CA Detector for DB2 for z/OS</td><td>Version 18.0</td></tr> <tr> <td>CA Detector for DB2 for z/OS</td><td>Version 19.0</td></tr> <tr> <td>CA Detector for DB2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PDT 1538 Copyright (C) 2018 CA. All rights reserved. R01718-D190-SP2 DESC(DATASTORE REPAIR UTILITY). ++VER (Z038) FMID (CINSJ00) PRE (R085224 R091023) SUP (TR99121) ++IF FMID(CPDTJ00) REQ(R099122) .	CA Detector for DB2 for z/OS	Version 18.0	CA Detector for DB2 for z/OS	Version 19.0	CA Detector for DB2 for z/OS	Version 20.0
CA Detector for DB2 for z/OS	Version 18.0						
CA Detector for DB2 for z/OS	Version 19.0						
CA Detector for DB2 for z/OS	Version 20.0						

CA DB2 Tools 19.0
CA RS 1803 - PTF R099122 Details

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Service	Details						
R099122	R099122 M.C.S. ENTRIES = ++PTF (R099122) DATASTORE REPAIR UTILITY ENHANCEMENT DESCRIPTION: CA Detector for DB2 for z/OS (PDT) product release information stored for intervals in the datastore datasets is not correct. Interval records written by R18 contain "Collection Information" when they should not. The following PTFs resolve the problems that caused this incorrect information. R18 - R098082(PXM) AND R098083(PDT) R19 - R098078(PXM) AND R098079(PDT) R20 - R098087(PXM) AND R098088(PDT) A repair utility is being supplied by this enhancement to correct the information in the datastore datasets. See the PDTDSRPR member in hlq.CDBAJCL (R20) or hlq.CDBASRC (R18/R19) for sample JCL. PRODUCT(S) AFFECTED: <table> <tr> <td>CA Detector for DB2 for z/OS</td><td>Version 18.0</td></tr> <tr> <td>CA Detector for DB2 for z/OS</td><td>Version 19.0</td></tr> <tr> <td>CA Detector for DB2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PDT 1538 Copyright (C) 2018 CA. All rights reserved. R01718-D190-SP2 DESC(DATASTORE REPAIR UTILITY). ++VER (Z038) FMID (CPDTJ00) SUP (TR99122) ++IF FMID(CINSJ00) REQ(R099121) .	CA Detector for DB2 for z/OS	Version 18.0	CA Detector for DB2 for z/OS	Version 19.0	CA Detector for DB2 for z/OS	Version 20.0
CA Detector for DB2 for z/OS	Version 18.0						
CA Detector for DB2 for z/OS	Version 19.0						
CA Detector for DB2 for z/OS	Version 20.0						

Service	Details
SO00001	SO00001 M.C.S. ENTRIES = ++PTF (SO00001) IFCID 148 FIELDS TCB-CPU-TOT AND DECL-CPU-APPL ARE ZERO PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) computes a zero or negative value for the TCB-CPU-TOT and DECL-CPU-APPL fields of the THREAD-STATS (IFCID 148) trace record. SYMPTOMS: The Thread Response Time screen for an active thread (R/THRDRESP) does not display the TCB Time Appl row, because the field contains an invalid value. IMPACT: Class 1 application CPU time information is not available for some active threads. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 18.0 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 2231 Copyright (C) 2018 CA. All rights reserved. R01765-D190-SP2 DESC(IFCID 148 FIELDS TCB-CPU-TOT AND DECL-CPU-APPL ARE ZERO). ++VER (Z038) FMID (CIDBJ00) PRE (R078778 R079379 R079385 R079775 R080000 R080117 R080433 R081113 R081212 R081405 R081831 R081946 R082133 R082206 R083196 R083872 R084312 R084358 R084502 R084769 R085345 R085657 R087008 R087397 R087788 R087976 R088598 R090576 R091770 R092346 R092930 R094201 R094728 R095485 R098322 R098603) SUP (AR85657 R082569 R086356 R087639 R089112 ST00001 TR82569 TR86356 TR87639 TR89112)

Service	Details						
S000206	S000206 M.C.S. ENTRIES = ++PTF (S000206) MISSING ROWS WHEN UNLOADING FROM AN IMAGE COPY PROBLEM DESCRIPTION: CA Fast Unload for DB2 for z/OS (PFU) may skip one or more pages when unloading from an image copy. This may happen when PTF R099081 (R18), R099021 (R19), or R099558 (R20) is applied. SYMPTOMS: PFU does not report any error, but the number of rows unloaded is lower than expected. IMPACT: Not all data is unloaded from the image copy. CIRCUMVENTION: Unload the data from the table instead of the image copy if possible. PRODUCT(S) AFFECTED: <table> <tr> <td>CA Fast Unload for DB2 for z/OS</td><td>Version 18.0</td></tr> <tr> <td>CA Fast Unload for DB2 for z/OS</td><td>Version 19.0</td></tr> <tr> <td>CA Fast Unload for DB2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PFU 1051 Copyright (C) 2018 CA. All rights reserved. R01788-D190-SP2 DESC(MISSING ROWS WHEN UNLOADING FROM AN IMAGE COPY). ++VER (Z038) FMID (CPFUJ00) PRE (R079770 R082880 R083631 R084209 R087084 R088561 R088657 R089642 R091028 R091313 R091775 R092353 R092935 R096152 S000067) SUP (AS00067 R096021 R096599 R099021 ST00206 TR95826 TR96021 TR96599 TR99021)	CA Fast Unload for DB2 for z/OS	Version 18.0	CA Fast Unload for DB2 for z/OS	Version 19.0	CA Fast Unload for DB2 for z/OS	Version 20.0
CA Fast Unload for DB2 for z/OS	Version 18.0						
CA Fast Unload for DB2 for z/OS	Version 19.0						
CA Fast Unload for DB2 for z/OS	Version 20.0						

Service	Details
S000271	S000271 M.C.S. ENTRIES = ++PTF (S000271) IFCID 317 READS PERFORMANCE ENHANCEMENT ENHANCEMENT DESCRIPTION: CA SYSVIEW Performance Management Option for DB2 for z/OS now tries to improve the performance of IFCID 317 READS operations by using a smaller return area in the DB2 IFI call. 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 2241 Copyright (C) 2018 CA. All rights reserved. R01792-D190-SP2 DESC(IFCID 317 READS PERFORMANCE ENHANCEMENT). ++VER (Z038) FMID (CIDBJ00) PRE (R079385 R079775 R080000 R080117 R080433 R081212 R081831 R081946 R085657 R087788 R087976 R088598 R090576 R092346 R092930 R094728 R095673) SUP (ST00271)

Service	Details
S000273	S000273 M.C.S. ENTRIES = ++PTF (S000273) SNAPSHOT GENERAL SERVICES FAIL WITH S0C6 ABEND ON Z/OS 2.3 PROBLEM DESCRIPTION: When Snapshot General Services (TGR) are called to perform a snapshot copy of tablespaces on z/OS 2.3, the job may fail with S0C6 abend. SYMPTOMS: After migration to z/OS 2.3, the copy job will fail, and the PTIIMSG job output will contain the following messages: TGRIBY008I (1) ARC: 0 TRC: 208 Duration: 00:00:00.000000 Count: 0 TGRFLD002E Error in EXECUTE function, RC = 8, RS = 17 CA Quick Copy can generate the following error message in the PTIMSG job output: PQC0301E SNAPSHOT EXECUTE FUNCTION HAS FAILED: RC= 4 RS= 0 The following symptom dump may appear in the job output: SYSTEM COMPLETION CODE=0C6 REASON CODE=00000006 TIME=10.56.24 SEQ=04503 CPU=0000 ASID=036C PSW AT TIME OF ERROR 078D3000 80000001 ILC 2 INTC 06 NO ACTIVE MODULE FOUND NAME=UNKNOWN DATA AT PSW 00000000 - 000A0000 000130E1 00000000 AR/GR 0: 000007EF/FFFFFFFF 1: 00000000/FFFFFFFF 2: 00000000/FFFFFFFF 3: 00000000/FFFFFFFF 4: 00000000/FFFFFFFF 5: 00000000/FFFFFFFF 6: 00000000/FFFFFFFF 7: 00000000/FFFFFFFF 8: 00000000/FFFFFFFF 9: 00000000/FFFFFFFF A: 00000000/FFFFFFFF B: 00000000/FFFFFFFF C: 00000000/FFFFFFFF D: 00000000/00006AF8 E: 00000000/FFFFFFFF F: 00000000/000000D0 END OF SYMPTOM DUMP IMPACT: Snapshot General Services may fail to perform the copy operation on z/OS 2.3. CIRCUMVENTION: Use sequential copies instead of snapshot copies. PRODUCT(S) AFFECTED: 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 Related Problem: TGR 272 Copyright (C) 2018 CA. All rights reserved. R01793-D190-SP2 DESC(SNAPSHOT GENERAL SERVICES FAIL WITH S0C6 ABEND ON Z/OS 2.3). ++VER (Z038) FMID (CTGRJ00) PRE (R078677) SUP (ST00273) ++HOLD (S000273) SYSTEM FMID(CTGRJ00) REASON (ACTION) DATE (18032) COMMENT (-----+-----

Service	Details		
	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 *		

	Reinitialize the Snapshot General Services z/OS subsystems. Submit a job that invokes the TG10INIT program to reload all updated Snapshot General Services program modules.		
	).		

Service	Details
S000284	S000284 M.C.S. ENTRIES = ++PTF (S000284) TRACKMOD YES NOT GENERATED WHEN IMPTKMOD IS SET TO 'NO' PROBLEM DESCRIPTION: In CA RC/Migrator for DB2 for z/OS (RCM), the tablespace which was originally created with TRACKMOD(YES) will have TRACKMOD(NO) if the DSNZPARM option IMPTKMOD is set to 'NO'. SYMPTOMS: Create tablespace DDL will be without the 'TRACKMOD YES' IMPACT: Customer will lose TRAKMOD value. CIRCUMVENTION: Edit the script and add 'TRACKMOD YES' to the applicable create tablesapce DDL. 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 2910 Copyright (C) 2018 CA. All rights reserved. R01794-D190-SP2 DESC(TRACKMOD YES NOT GENERATED WHEN IMPTKMOD IS SET TO 'NO'). ++VER (Z038) FMID (CINSJ00) PRE (R078732 R079423 R080491 R080857 R081035 R081475 R082106 R083809 R083881 R084246 R085507 R087352 R088695 R089692 R091096 R092347 R092931 R094202 R094729 R095568 S000138) SUP (R079955 R080023 R084002 R084416 ST00284 TR79955 TR80023 TR84002 TR84416 TR92634)

Service	Details
S000306	S000306 M.C.S. ENTRIES = ++PTF (S000306) SELECT WHERE IN LIST PROCESSING CLEANUP INCOMPLETE PROBLEM DESCRIPTION: SQL-ACCESS NONE processing of a SELECT statement with a WHERE clause with an IN list and similar processing of a SELECT statement with an INTO clause with a DEFAULTIF condition with an IN list specification has a potential small storage leak. Correction of this problem is addressed. SYMPTOMS: Gradual increased storage usage might be noticed with a very large number of SELECT statements for Tables residing in different Tablespaces, where many of the SELECTs used the specific SELECT syntax noted. IMPACT: Small increased storage usage in the noted conditions, depending on the number of SELECTs and the variety of Tablespaces referenced. CIRCUMVENTION: Separating such SELECT statements into multiple PFU executions is the only circumvention. Note that there are no reported occurrences of this problem, which was found during review of code for an unrelated issue. PRODUCT(S) AFFECTED: CA Fast Unload for DB2 for z/OS Version 19.0 CA Fast Unload for DB2 for z/OS Version 20.0 Related Problem: PFU 1050 Copyright (C) 2018 CA. All rights reserved. R01795-D190-SP2 DESC(SELECT WHERE IN LIST PROCESSING CLEANUP INCOMPLETE). ++VER (Z038) FMID (CPFUJ00) PRE (R079770 R080894 R081107 R082880 R083631 R084209 R085088 R085199 R085705 R086934 R087084 R088561 R088657 R089642 R091028 R091313 R091775 R092353 R092935 R094206 R096152 R099649 S000067) SUP (ST00306)

Service	Details
S000307	S000307 M.C.S. ENTRIES = ++PTF (S000307) NEW TSP/ISP RTS DSNACCOX CONDITIONS ENHANCEMENT DESCRIPTION: CA Database Analyzer for DB2 for z/OS now supports the use of DSNACCOX (PDA) conditions for action procedures that are performed on partitioned tablespace(s) and indexspace(s). The following new action conditions will now be available: (IXP) RTS DSNACCOX full image copy (IXP) RTS DSNACCOX REORG recommended (IXP) RTS DSNACCOX RUNSTATS recommended (TSP) RTS DSNACCOX full image copy (TSP) RTS DSNACCOX incremental image cpy (TSP) RTS DSNACCOX RUNSTATS recommended PRODUCT(s) AFFECTED: CA Database Analyzer for DB2 for z/OS Version 18.0 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 1332 Copyright (C) 2018 CA. All rights reserved. R01796-D190-SP2 DESC(NEW TSP/ISP RTS DSNACCOX CONDITIONS). ++VER (Z038) FMID (CPDAJ00) PRE (R088142 R093203) SUP (ST00307)

Service	Details						
SO00332	SO00332 M.C.S. ENTRIES = ++PTF (SO00332) COPY-BUFFERS NOT MULTIPLY OF 8 PQC0711E PQC0719E PROBLEM DESCRIPTION: CA Quick Copy for DB2 for z/OS might fail to create an image copy when the number of buffers specified in syntax or in PARMLIB is not a multiply of 8 and the EXCP NO copy engine is selected. The PQC0711E and PQC0719E messages are displayed and processing terminates with RC=8. This happens because automatic adjustment of the buffer size to the nearest higher multiply of 8 fails for certain numbers. SYMPTOMS: The following messages are displayed: PQC0711E MEDIA MANAGER GETSEQ FAILED FOR DSN: vcat.DSNDBD.dbname.tsname.iprefix.part PQC0719E MEDIA MANAGER RETURN CODE: 0096 IMPACT: Creation of image copy fails. CIRCUMVENTION: Set the number of buffers to be a multiply of 8. PRODUCT(S) AFFECTED: <table> <tr> <td>CA Quick Copy for DB2 for z/OS</td><td>Version 18.0</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> </table> Related Problem: PQC 799 Copyright (C) 2018 CA. All rights reserved. R01797-D190-SP2 DESC(COPY-BUFFERS NOT MULTIPLY OF 8 PQC0711E PQC0719E). ++VER (Z038) FMID (CUGRJ00) PRE (R079595 R083353 R084212 R085642 R091037 R091787 R092364 R092952 R094749) SUP (R086750 R087864 S000259 ST00259 ST00332 TR86750 TR87864)	CA Quick Copy for DB2 for z/OS	Version 18.0	CA Quick Copy for DB2 for z/OS	Version 19.0	CA Quick Copy for DB2 for z/OS	Version 20.0
CA Quick Copy for DB2 for z/OS	Version 18.0						
CA Quick Copy for DB2 for z/OS	Version 19.0						
CA Quick Copy for DB2 for z/OS	Version 20.0						

Service	Details								
S000348	S000348 M.C.S. ENTRIES = ++PTF (S000348) TRIGGERS ARE DROP/CREATED WHEN THEY ARE NOT SUPPOSED TO. PROBLEM DESCRIPTION: In CA RC/Compare for DB2 for z/OS (RCC), triggers are dropped and recreated if the following conditions are true: 1) Triggers are identical except the creators in the action text are different. Multiple creators are used for both source and target. 2) Triggers have multiple actions text for SELECT, DELETE and INSERT. 3) The following ACTION TEXT rules are used: <table> <tr> <td>ACTION_TEXT</td><td>Y</td></tr> <tr> <td>OBJECT_CREATOR</td><td>N</td></tr> <tr> <td>OBJECT_NAME</td><td>Y</td></tr> <tr> <td>REMAINING_TEXT</td><td>Y</td></tr> </table> SYMPTOMS: The generated script will have DDL to drop and create the triggers. The change analysis report will show changes in trigger action text. IMPACT: Triggers are dropped and created when it is not needed. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Database Management Solution for DB2 for zOS Base Install Version 19.0 Related Problem: RCC 704 Copyright (C) 2018 CA. All rights reserved. R01798-D190-SP2 DESC(TRIGGERS ARE DROP/CREATED WHEN THEY ARE NOT SUPPOSED TO.). ++VER (Z038) FMID (CINSJ00) PRE (R083673 R090492 R091096 R098236) SUP (ST00348)	ACTION_TEXT	Y	OBJECT_CREATOR	N	OBJECT_NAME	Y	REMAINING_TEXT	Y
ACTION_TEXT	Y								
OBJECT_CREATOR	N								
OBJECT_NAME	Y								
REMAINING_TEXT	Y								

Service	Details																									
S000367	M.C.S. ENTRIES = ++PTF (S000367) UNABLE TO DISPLAY SQL TEXT WITH SPECIAL CHAR IN COMMENT PROBLEM DESCRIPTION: The display of SQL text for an exception, error, or standard activity in CA Detector for DB2 for z/OS (PDT) may show garbage. This problem occurs when the SQL statement starts with a comment that contains special characters. SYMPTOMS: Using the 'Q' command to display the SQL text will return one or more of the following: <table><tr><th>SQL_TEXT</th><th>SQL_CALL</th><th>STMT#</th><th>SECT#</th><th>USE_COUNT</th></tr><tr><td>-----</td><td>-----</td><td>-----</td><td>-----</td><td>-----</td></tr><tr><td>_ .. ^+(^ ^ + . < > PREPARE</td><td>0000004</td><td>00004</td><td></td><td>1</td></tr><tr><td>_ ..+ ^ + ^ ^ + ^ & ^ > PREPARE</td><td>0000004</td><td>00004</td><td></td><td>1</td></tr><tr><td>_ .. ^ + ^ ^ + ^ & ^ > PREPARE</td><td>0000004</td><td>00004</td><td></td><td>1</td></tr></table> IMPACT: The correct SQL text is not displayed. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Detector for DB2 for z/OS CA Detector for DB2 for z/OS CA Detector for DB2 for z/OS Related Problem: PDT 1567 Copyright (C) 2018 CA. All rights reserved. R01800-D190-SP2 DESC(UNABLE TO DISPLAY SQL TEXT WITH SPECIAL CHAR IN COMMENT). ++VER (Z038) FMID (CPDTJ00) PRE (R078199 R081029 R084443 R087010 R091026 R092933 R094205 R094732 R098746) SUP (ST00194 ST00367)	SQL_TEXT	SQL_CALL	STMT#	SECT#	USE_COUNT	-----	-----	-----	-----	-----	_ .. ^+(^ ^ + . < > PREPARE	0000004	00004		1	_ ..+ ^ + ^ ^ + ^ & ^ > PREPARE	0000004	00004		1	_ .. ^ + ^ ^ + ^ & ^ > PREPARE	0000004	00004		1
SQL_TEXT	SQL_CALL	STMT#	SECT#	USE_COUNT																						
-----	-----	-----	-----	-----																						
_ .. ^+(^ ^ + . < > PREPARE	0000004	00004		1																						
_ ..+ ^ + ^ ^ + ^ & ^ > PREPARE	0000004	00004		1																						
_ .. ^ + ^ ^ + ^ & ^ > PREPARE	0000004	00004		1																						

Service	Details
S000413	S000413 M.C.S. ENTRIES = ++PTF (S000413) LOG MAINTENANCE BACKUP/PURGE SERVICE FAILS WITH SQLCODE -122 PROBLEM DESCRIPTION: Execution of Log Maintenance Backup/Purge Log Records data service in online or batch environments for the selected product from CA Database Management Solution for DB2 for zOS, fails with SQLCODE = -122. SYMPTOMS: The batch processor job for Backup/Purge Log Records completes with RC=0 but the SYSPRINT of BACKUP step generates a blank report and shows the SQLCODE -122. The job contains the following messages: DSNT408I SQLCODE = -122, ERROR: COLUMN OR EXPRESSION IN THE SELECT LIST IS NOT VALID DSNT418I SQLSTATE = 42803 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSNX0GB SQL PROCEDURE DETECTING ERROR DSNT416I SQLERRD = -200 0 0 -1 0 0 SQL DIAGNOSTIC INFORMATION DSNT416I SQLERRD = X'FFFFFFF38' X'00000000' X'00000000' X'FFFFFFF' X'00000000' X'00000000' SQL DIAGNOSTIC INFORMATION The online processing of the same also gives the above SQL messages in the SQL ERROR screen. IMPACT: User gets the SQLERROR -122 when executing the Log Maintenance Backup/Purge Log Records data service in online and batch from CA Database Management solution for DB2 for zOS. The data are not purged and no report is generated. CIRCUMVENTION: The following SQL can be executed from ISQL to generated the Backup/Purge Log Records report. Provide the LOG_TIMESTAMP in the WHERE condition for a specific timestamp range. <pre> SELECT DISTINCT A.LOG_USER, A.LOG_TIMESTAMP, A.LOG_TYPE, A.LOG_FUNCTION, A.LOG_ID, A.LOG_OBJECT_CREATOR, A.LOG_OBJECT_NAME, A.LOG_OBJECT_PART, COUNT(A.LOG_OBJECT_NAME) FROM PTI.PTLOG_MAIN_1500 A WHERE (A.LOG_ID = 'RDAMSG ' OR A.LOG_ID = 'RDASTATS') AND A.LOG_TIMESTAMP >= '201701010000000000' AND A.LOG_TIMESTAMP <= '201701019999999999' GROUP BY A.LOG_USER, A.LOG_TIMESTAMP, A.LOG_TYPE, A.LOG_FUNCTION, A.LOG_ID, A.LOG_OBJECT_CREATOR, A.LOG_OBJECT_NAME, A.LOG_OBJECT_PART ORDER BY A.LOG_TIMESTAMP; </pre> PRODUCT(S) AFFECTED: CA Database Management Solution for DB2 for zOS 19.0 CA Database Management Solution for DB2 for zOS 20.0 Related Problem: GEN 1357 Copyright (C) 2018 CA. All rights reserved. R01801-D190-SP2 DESC(LOG MAINTENANCE BACKUP/PURGE SERVICE FAILS WITH SQLCODE -122). ++VER (Z038) FMID (CINSJ00) PRE (R094729) SUP (ST00413)

Service	Details
S000424	S000424 M.C.S. ENTRIES = ++PTF (S000424) EXCLUDE DEPENDENT FLAG NOT RESTORED PROBLEM DESCRIPTION: When updating a compare strategy using CA RC/Compare for DB2 for z/OS RCC the dependent source objects which were excluded originally when the strategy was created, will no longer be marked as excluded in panel 'RC/M Dependent Object Mapping'. SYMPTOMS: The exclude indicator 'X' will not appear for the source dependent objects on panel 'RC/M Dependent Object Mapping'. The source dependent objects were originally excluded when the strategy was created. IMPACT: When you use COMPARE command, the excluded source dependent objects will be listed under '+++++ NEW OBJECTS +++++'. CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA Database Management Solution for DB2 for zOS Base Install Version 19.0 CA Database Management Solution for DB2 for zOS Base Install Version 20.0 Related Problem: RCC 703 Copyright (C) 2018 CA. All rights reserved. R01802-D190-SP2 DESC(EXCLUDE DEPENDENT FLAG NOT RESTORED). ++VER (Z038) FMID (CINSJ00) PRE (R078732 R080491 R091096 R094202) SUP (ST00424)

Service	Details
S000462	S000462 M.C.S. ENTRIES = ++PTF (S000462) RCM GENERATES DROP DDL FOR IMPLICITLY CREATED LOB TABLESPACE PROBLEM DESCRIPTION: CA RC/Migrator for DB2 for z/OS (RCM) may generate DDL to drop implicitly created LOB tablespaces and the execution will fail with SQLCODE -204. SYMPTOMS: DSNT408I SQLCODE = -204, ERROR: XXXXXX.XXXXXXXX IS AN UNDEFINED NAME DSNT418I SQLSTATE = 42704 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSNXISB1 SQL PROCEDURE DETECTING ERROR DSNT416I SQLERRD = 110 0 0 -1 0 0 SQL DIAGNOSTIC INFORMATION DSNT416I SQLERRD = X'00000006E' X'00000000' X'00000000' X'FFFFFFFF' X'00000000' X'00000000' SQL DIAGNOSTIC INFORMATION IMPACT: The execution will not complete successfully. CIRCUMVENTION: Edit the script and delete the DROP DDL which drops the implicitly created LOB tablespaces. 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 2917 Copyright (C) 2018 CA. All rights reserved. R01804-D190-SP2 DESC(RCM GENERATES DROP DDL FOR IMPLICITLY CREATED LOB TABLESPACE). ++VER (Z038) FMID (CINSJ00) PRE (R079112 R079986 R081035 R081475 R083881 R088695 R091096 R094202 R098436) SUP (R081421 ST00462 TR81421)

Service	Details
S000467	S000467 M.C.S. ENTRIES = ++PTF (S000467) SQLCODE -312 IN EXPLAIN PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) EXPLAIN function incorrectly handles host variables located at the end of the EXPLAINED SQL statement. SYMPTOMS: DSNT408I SQLCODE = -312, ERROR: VARIABLE H IS NOT DEFINED OR NOT USABLE IMPACT: Some SQL statements can not be EXPLAINED. CIRCUMVENTION: Append a semicolon (;) to the SQL statement and perform the EXPLAIN function again. PRODUCT(S) AFFECTED: CA SYSVIEW Performance Management Option for DB2 for z/OS Version 18.0 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 2243 Copyright (C) 2018 CA. All rights reserved. R01805-D190-SP2 DESC(SQLCODE -312 IN EXPLAIN). ++VER (Z038) FMID (CIDBJ00) PRE (R079385 R079775 R079882 R080000 R080117 R080433 R081212 R081831 R083196 R087976 R088598 R090576 R092346 R092930 R093440 R094201) SUP (R078229 R082570 ST00467 TR78229 TR82567 TR82570)

Service	Details																																																														
S000480	S000480 M.C.S. ENTRIES = ++PTF (S000480) S0C4 IN PXMQMGCC CAUSES DETECTOR COLLECTION TO TERMINATE PROBLEM DESCRIPTION: CA Detector for DB2 for z/OS (PDT) may terminate with an 0c4 abend when the PDT parmlib member specifies USECOLLTASKS = (Y). SYMPTOMS: DUMPID=003 REQUESTED BY JOB (MP00CAXM) DUMP TITLE=CA/XMANAGER 19.0 DUMP LOC: PXMQMGCC+000006AE ABEND: 0C4 PSW: S0C4 PSW: 077C0001 ADD6F21E PRD: PDT DB2: XXXX PDT0105 DETECTOR ABNORMAL TERMINATION/SDUMP IN PROGRESS DB2=XXXX RIDS/PXMQMGCC#L RIDS/#UNKNOWN AB/S00C4 PRCS/00000004 REGS/C0B12 <table> <tr> <th>Symptom</th><th>Description</th></tr> <tr> <td>-----</td><td>-----</td></tr> <tr> <td>RIDS/PXMQMGCC#L</td><td>Load module name: PXMQMGCC</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>REGS/C0B12</td><td>Register/PSW difference for R0C:-0B12</td></tr> </table> IMPACT: CA Detector collection terminates. CIRCUMVENTION: Abend can be circumvented by setting USECOLLTASKS = (N) in the PDT parmlib member. PRODUCT(S) AFFECTED: <table> <tr> <td>CA Detector for DB2 for z/OS</td><td>Version 19.0</td></tr> <tr> <td>CA Detector for DB2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PDT 1570 Copyright (C) 2018 CA. All rights reserved. R01806-D190-SP2 DESC(S0C4 IN PXMQMGCC CAUSES DETECTOR COLLECTION TO TERMINATE). ++VER (Z038) FMID (CINSJ00) PRE (R087009 R088740 R095920 R097070) SUP (ST00480) ++HOLD (S000480) SYSTEM FMID(CINSJ00) REASON (RESTART) DATE (18051) COMMENT (<table> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> </td><td>CA Database Management Solution for DB2 for zOS Base Install</td></tr> <tr> <td> </td><td>Version 19.0</td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> SEQUENCE</td><td>Before Apply</td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> PURPOSE</td><td>Avoidance of module mismatch related errors in an Xmanager</td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> USERS</td><td>Collections of DB2 statistics via Detector or Subsystem</td></tr> <tr> <td> AFFECTED</td><td>Analyzer.</td></tr> <tr> <td> </td><td>DB2 subsystems that have active collections.</td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> KNOWLEDGE</td><td>1. SMP/E</td></tr> <tr> <td> REQUIRED</td><td>2. z/OS System Programming</td></tr> <tr> <td> </td><td>3. CA DB2 Tools Installation and Maintenance procedures.</td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> ACCESS</td><td>1. Product runtime libraries.</td></tr> <tr> <td> REQUIRED</td><td></td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td colspan="2">*****</td></tr> <tr> <td colspan="2">* STEPS TO PERFORM *</td></tr> <tr> <td colspan="2">*****</td></tr> </table> To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task.	Symptom	Description	-----	-----	RIDS/PXMQMGCC#L	Load module name: PXMQMGCC	RIDS/#UNKNOWN	Csect name: #UNKNOWN	AB/S00C4	System abend code: 00C4	PRCS/00000004	Abend reason code: 00000004	REGS/C0B12	Register/PSW difference for R0C:-0B12	CA Detector for DB2 for z/OS	Version 19.0	CA Detector for DB2 for z/OS	Version 20.0	+-----+			CA Database Management Solution for DB2 for zOS Base Install		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 *		*****	
Symptom	Description																																																														
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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
S000506	S000506 M.C.S. ENTRIES = ++PTF (S000506) ABEND S0C4-3B NTABLESC+1B1 VIEWING DATA SET IO STATS REQUEST PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) data collector may reflect an ABEND S0C4-3B when viewing a request that processes the DATASET-IO-STATS record (IFCID 199), such as the DSI0STAT request. SYMPTOMS: CCSR010E NMSPRMVC S0C4 at 0003D5A9 LMOD NSIGHTNU CSECT NTABLESC+01B1 - or - NTABLESC+02FC CCSR021I OWNER = CA SYSVIEW for DB2 R20.0 CCSR022I MODULE = NTABLESC FMID = CIDBK00 RMID = R096575 CCSR060I BREAKING EVENT ADDRESS: 00000000 3B7054D4 CCSR061I PSW: 07841001 80000000 00000001 0003D5A8 CCSR062I ILC: 02 INTERRUPT CODE: 3B CCSR067I COMPLETION CODE S0C4 REASON CODE 0000003B CCSR063I TRANSLATION EXCEPTION ADDRESS: 00000001_0003D800 CCSR064I DATA AT PSW 0003D5A2 : 00000000 00000000 00000000 CCSR065I HOME = 059E PRIMARY = 059E SECONDARY = 059E CCSR070I GR00 - GR01 00000000_00000000 00000000_3DB4E318 CCSR070I GR02 - GR03 00000000_00151468 00000000_3B705450 CCSR070I GR04 - GR05 00000000_3B4065F8 00000000_3DBEC04C CCSR070I GR06 - GR07 00000000_00000001 00000000_000000F4 CCSR070I GR08 - GR09 00000000_3DB5D4B8 00000000_3DBEBF58 CCSR070I GR10 - GR11 00000000_00064000 00000000_00140000 CCSR070I GR12 - GR13 00000000_3B406280 00000000_00151438 CCSR070I GR14 - GR15 00000000_3B7054D6 00000001_0003D5A8 IMPACT: The DSI0STAT request is stopped. CIRCUMVENTION: Restart the DSI0STAT request. 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 2239 Copyright (C) 2018 CA. All rights reserved. R01810-D190-SP2 DESC(ABEND S0C4-3B NTABLESC+1B1 VIEWING DATA SET IO STATS REQUEST). ++VER (Z038) FMID (CIDBJ00) PRE (R079385 R079775 R080000 R080117 R080433 R081212 R081831 R081946 R083872 R084312 R085657 R087788 R087976 R090576 R092346 R092930 R094728) SUP (ST00506)

Service	Details
S000547	S000547 M.C.S. ENTRIES = ++PTF (S000547) GRAPHIC DATA IS DISPLAYED INCORRECTLY IN COLUMN MODE PROBLEM DESCRIPTION: In CA RC/Update for DB2 for z/OS (RCU), graphic data is incorrectly displayed when a table is browsed or edited in column mode. SYMPTOMS: GRAPHIC/VARG/VARCHAR column data is displayed incorrectly or with corruption in column mode. IMPACT: DBCS data is shown incorrectly in the column mode CIRCUMVENTION: Use form mode to display the correct data. PRODUCT(S) AFFECTED: CA RC/Update for DB2 for z/OS Version 19.0 CA RC/Update for DB2 for z/OS Version 20.0 Related Problem: RCU 1085 Copyright (C) 2018 CA. All rights reserved. R01812-D190-SP2 DESC(GRAPHIC DATA IS DISPLAYED INCORRECTLY IN COLUMN MODE). ++VER (Z038) FMID (CRCUJ00) PRE (R078734 R080888 R083298 R084510) SUP (ST00547)

CA DB2 Tools 19.0
CA RS 1803 - PTF SO00548 Details

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Service	Details
S000548	S000548 M.C.S. ENTRIES = ++PTF (S000548) LINE COMMAND COUNT NOT FUNCTIONING ON ALIAS OBJECT PROBLEM DESCRIPTION: In CA RC/Query for DB2 for z/OS (RCQ), the COUNT command does not work on objects. SYMPTOMS: Line command count not functioning on A-L report. IMPACT: Cannot use COUNT line command on alias objects. CIRCUMVENTION: None. 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 1578 Copyright (C) 2018 CA. All rights reserved. R01813-D190-SP2 DESC(LINE COMMAND COUNT NOT FUNCTIONING ON ALIAS OBJECT). ++VER (Z038) FMID (CRCQJ00) PRE (R078862 R079261 R079337 R080251 R080260 R080789 R082930 R083367 R085028 R085041 R085927 R085981 R086104 R089761 R090564 R091068 R091320 R091783 R092360 R092947 R094217 R094745 R095898 R096224 R099920 S000126) SUP (ST00548)

Service	Details
S000555	S000555 M.C.S. ENTRIES = ++PTF (S000555) RECOVERY SCRIPT HAS FOREIGN KEY COLUMNS IN INCORRECT ORDER PROBLEM DESCRIPTION: In CA RC/Migrator for DB2 for z/OS (RCM), the recovery script to recover foreign keys, generates the key columns in incorrect order when FULLTREE(NO) is used. SYMPTOMS: The order of the foreign key columns are changed in the recovery script. IMPACT: Customer may not be able to restore foreign keys. 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 2919 Copyright (C) 2018 CA. All rights reserved. R01814-D190-SP2 DESC(RECOVERY SCRIPT HAS FOREIGN KEY COLUMNS IN INCORRECT ORDER). ++VER (Z038) FMID (CINSJ00) PRE (R081035 R081475 R083881 R091096 R094202 R094729) SUP (R080234 R086897 ST00555 TR80234 TR86897)

Service	Details
S000558	S000558 M.C.S. ENTRIES = ++PTF (S000558) XMANAGER TERMINATION CAN CAUSE S138 ABEND PROBLEM DESCRIPTION: When Xmanager for CA Database Management Solutions for DB2 for z/OS is terminated by normal shutdown, the Health Checker service may fail with ABEND code S138 in the Xmanager address space. SYMPTOMS: When the Xmanager is terminated, the JESYSMSG output contains the following messages: OEVN003I OPSEVENT State: STOPPING GEN0941 CA-DB2 Tools UPM manager termination in progress GEN0942 CA-DB2 Tools UPM manager termination complete GEN0913 CA-DB2 Tools Health Checker interface termination in progress GEN0909 CA-DB2 Tools Health Checker active health check stop in progress GEN0910 CA-DB2 Tools Health Checker active health check stop complete PXM0810 CA/XMANAGER RECOVERY IN PROGRESS (TCB 007B9E88) PXM0811 PSW: 070C1001 BAF5D77A LMOD: *UNKNOWN OFFSET: N/A ABEND: S138 PXM0812 GPRS 0 1 00000000 00000001 00000000 04138000 PXM0812 2 3 00000000 7D4F5350 00000050 0043A9A0 PXM0812 4 5 00000000 00000000 00000000 00000000 PXM0812 6 7 00000000 00000012 00000000 00002870 PXM0812 8 9 00000000 007EB000 00000000 00FD7B90 PXM0812 10 11 00000000 7D4F3F32 00000000 00000000 PXM0812 12 13 00000000 3AF5DD48 00000000 7D4F4D28 PXM0812 14 15 00000000 3AF5D82C 211A2B5B 02470003 GEN0934 Health Check Owner: CA_DB2 Name: DB2_PRA_#LOAD_LAST_RUN@PTX1981 encountered an error and is being deleted. GEN0914 CA-DB2 Tools Health Checker interface termination complete IMPACT: None. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Database Management Solutions for DB2 for z/OS Version 19.0 CA Database Management Solutions for DB2 for z/OS Version 20.0 Related Problem: GEN 1360 Copyright (C) 2018 CA. All rights reserved. R01816-D190-SP2 DESC(XMANAGER TERMINATION CAN CAUSE S138 ABEND). ++VER (Z038) FMID (CINSJ00) SUP (ST00558) ++HOLD (S000558) SYSTEM FMID(CINSJ00) REASON (ACTION) DATE (18051) COMMENT (+-----+ CA Database Management Solution for DB2 for zOS Base Install 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
S000574	S000574 M.C.S. ENTRIES = ++PTF (S000574) 0C4 WHEN UNLOADING DATASTORE PROBLEM DESCRIPTION: CA Detector for DB2 for z/OS (PDT) abends with a S0C4 during PDTBATCH UNLOAD processing when using the HOSTVARS=Y control card and the SQL statement has an invalid underlying SQLDA host variable structure. SYMPTOMS: A S0C4 abend in module PDTBATCC when running PDTBATCH UNLOAD processing with HOSTVARS=Y. IMPACT: CA Detector UNLOAD processing terminates. CIRCUMVENTION: Change control card HOSTVARS=Y to HOSTVARS=N. 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 1572 Copyright (C) 2018 CA. All rights reserved. R01818-D190-SP2 DESC(0C4 WHEN UNLOADING DATASTORE). ++VER (Z038) FMID (CPDTJ00) PRE (R078199 R081029 R084443 R087010 R090433 R091193 R091311 R092351 R094205 R098746) SUP (ST00574)

Service	Details						
S000615	S000615 M.C.S. ENTRIES = ++PTF (S000615) HELP PANEL PTHPMUBB TOO BIG FOR 24 LINE SCREEN AFTER R096140 PROBLEM DESCRIPTION: CA Fast Load for DB2 for z/OS help panel PTHPMUBB fails to display on emulators using 24 line screen. This panel is accessed from the CA Database Management Solutions for DB2 for z/OS main menu using option EP - Edit Parmlib Members, member UTIL. When Field Description for PFL-RECLUSTER-DEFAULT is accessed from panel UTEDPUA, ISPF displays an ISPF Dialog Error. SYMPTOMS: When accessing panel PTHPMUBB using a 24 line screen emulator, ISPF displays the following error message: ISPP121 Panel 'PTHPMUBB' error Panel definition too large, greater than screen size. IMPACT: It is not possible to access the help panel. CIRCUMVENTION: Use a different emulator with more screen lines to display contents of the help panel. PRODUCT(S) AFFECTED: <table> <tr> <td>CA Fast Load for DB2 for z/OS</td><td>Version 18.0</td></tr> <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 1233 Copyright (C) 2018 CA. All rights reserved. R01820-D190-SP2 DESC(HELP PANEL PTHPMUBB TOO BIG FOR 24 LINE SCREEN AFTER R096140). ++VER (Z038) FMID (CINSJ00) PRE (R096140) SUP (ST00615)	CA Fast Load for DB2 for z/OS	Version 18.0	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 18.0						
CA Fast Load for DB2 for z/OS	Version 19.0						
CA Fast Load for DB2 for z/OS	Version 20.0						

Service	Details
S000622	S000622 M.C.S. ENTRIES = ++PTF (S000622) DIFFERENCE IN ARCHIVE LOGS COPIED PROBLEM DESCRIPTION: CA Recovery Analyzer for DB2 for z/OS (PRA) copies the incorrect number of archive logs during the Copy Archive Logs step of the Disaster Recovery strategy when the option '2 Archive Logs From 1' is set to Yes. SYMPTOMS: After an ssid@ARC job has finished there is only one archive log copy 1 or a different number of archive log copy 1 and copy 2 datasets. IMPACT: There are archive log copies missing from the period chosen by the 'Nbr of Days back' option. CIRCUMVENTION: Set the '2 Archive Logs From 1' PRA Disaster Recovery option to No. PRODUCT(S) AFFECTED: CA Recovery Analyzer for DB2 for z/OS Version 19.0 CA Recovery Analyzer for DB2 for z/OS Version 20.0 Related Problem: PRA 879 Copyright (C) 2018 CA. All rights reserved. R01821-D190-SP2 DESC(DIFFERENCE IN ARCHIVE LOGS COPIED). ++VER (Z038) FMID (CPRAJ00) PRE (R082120 R087071 R087843 R089633 R092938 R098623) SUP (ST00622)

Service	Details																						
S000637	S000637 M.C.S. ENTRIES = ++PTF (S000637) 0C4 DUE CONFLICT WITH Z/OS 2.1 AND UI51499 DB2 V12 PROBLEM DESCRIPTION: CA Subsystem Analyzer for DB2 for z/OS (PSA) will take abend 0C4s following application of IBM PTF UI51499 when the DB2 level is V12 or the DB2 level is V11 and PTF UI51358 is applied and the OS level is z/OS 2.1. SYMPTOMS: PSA takes abends when attempting to capture I-O activity. IMPACT: PSA collections terminate. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Subsystem Analyzer for DB2 for z/OS Version 19.0 CA Subsystem Analyzer for DB2 for z/OS Version 20.0 Related Problem: PSA 501 Copyright (C) 2018 CA. All rights reserved. R01824-D190-SP2 DESC(0C4 DUE CONFLICT WITH Z/OS 2.1 AND UI51499 DB2 V12). ++VER (Z038) FMID (CPSAJ00) PRE (R077986 R078003 R078378 R078529 R079914 R080325 R080605 R080806 R082208 R084757 R087012 R087908 R088752 R091033 R092357 R092944 R093376 R094594 R094742 R096923 R098610) SUP (AR94594 AS00118 R095335 R096409 R097255 S000118 ST00118 ST00625 ST00637 TR80325 TR80507 TR91547 TR93305 TR93322 TR93372 TR94571 TR95335 TR96409 TR96723 TR97106 TR97255 TR98424) ++HOLD (S000637) SYSTEM FMID(CPSAJ00) REASON (RESTART) DATE (18058) COMMENT (<table border="1"> <tr> <td>CA Subsystem Analyzer 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>Avoidance of module mismatch related errors in an Xmanager</td></tr> <tr> <td>USERS</td><td>Collections of DB2 statistics via Detector or Subsystem</td></tr> <tr> <td>AFFECTED</td><td>Analyzer.</td></tr> <tr> <td></td><td>DB2 subsystems that have active collections.</td></tr> <tr> <td>KNOWLEDGE</td><td>1. SMP/E</td></tr> <tr> <td>REQUIRED</td><td>2. z/OS System Programming</td></tr> <tr> <td></td><td>3. CA DB2 Tools Installation and Maintenance procedures.</td></tr> <tr> <td>ACCESS</td><td>1. Product runtime libraries.</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> ***** * 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.	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	
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																							

Service	Details
	This may result in unpredictable behavior with CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures.).

Service	Details																		
S000653	S000653 M.C.S. ENTRIES = ++PTF (S000653) PFU0123E SQL-805 MISSING UTAFUSPG CDBASKL0 PFUPACK PROBLEM DESCRIPTION: CA Fast Unload for DB2 for z/OS (PFU) fails with a SQLCODE -805 error for package UTAFUSPG. SYMPTOMS: CA Fast Unload for DB2 for z/OS fails with the following message: PFU0123E - DB2 ACCESS ERROR MODULE:UTAFUSPG FUNCTION:OPEN CUR 0000 SQLCODE: -805 IMPACT: CA Fast Unload for DB2 for z/OS fails to finish the unload process. CIRCUMVENTION: Manual package bind of the following kind: BIND PACKAGE (DGL1PLAN_PUT_PFU) - MEMBER (UTAFUSPG) - VALIDATE (RUN) - ISOLATION (CS) - FLAG (I) - RELEASE (COMMIT) - DYNAMICRULES (BIND) - DBPROTOCOL (DRDA) - ENCODING (EBCDIC) - EXPLAIN (NO) ; PRODUCT(S) AFFECTED: CA Fast Unload for DB2 for z/OS Version 18.0 CA Fast Unload for DB2 for z/OS Version 19.0 CA Fast Unload for DB2 for z/OS Version 20.0 Related Problem: PFU 1053 Copyright (C) 2018 CA. All rights reserved. R01825-D190-SP2 DESC(PFU0123E SQL-805 MISSING UTAFUSPG CDBASKL0 PFUPACK). ++VER (Z038) FMID (CPFUJ00) SUP (ST00653) ++HOLD (S000653) SYSTEM FMID(CPFUJ00) REASON (DB2BIND) DATE (18059) COMMENT (<table border="1"> <tr> <td>CA Fast Unload for DB2 for z/OS</td><td>Version 19.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Bind Plans and Packages</td></tr> <tr> <td>USERS</td><td></td></tr> <tr> <td>AFFECTED</td><td>All Users</td></tr> <tr> <td>KNOWLEDGE</td><td></td></tr> <tr> <td>REQUIRED</td><td>CA DB2 Tools Post Install Customization</td></tr> <tr> <td>ACCESS</td><td>1. CA DB2 Tools Post Install</td></tr> <tr> <td>REQUIRED</td><td>2. BIND, SYSADM or SYSCNTL on DB2 subsystem.</td></tr> </table> ***** * 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	CA Fast Unload for DB2 for z/OS	Version 19.0	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.
CA Fast Unload for DB2 for z/OS	Version 19.0																		
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
	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, 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
S000654	S000654 M.C.S. ENTRIES = ++PTF (S000654) NEW PARAMETER NULL-FILL TO FILL DATA PART OF NULL FIELDS ENHANCEMENT DESCRIPTION: This enhancement adds the NULL-FILL option for CA Fast Unload for Db2 for z/OS (PFU) to fill data parts of null fields in the output records with specified data. This option applies to VARIABLE and DSNTIAUL output formats and all data types with the exception of LOB and XML. The syntax of the new option follows: NULL-FILL 'c' X'xx' - 'c' Uses c as to fill the data part of null fields, in which c is an EBCDIC character. The value is 1 byte long. - X'xx' Uses xx to fill the data part of null fields. The value is 1 byte long. PRODUCT(S) AFFECTED: CA Fast Unload for DB2 for z/OS Version 19.0 CA Fast Unload for DB2 for z/OS Version 20.0 Related Problem: PFU 1052 Copyright (C) 2018 CA. All rights reserved. R01826-D190-SP2 DESC(NEW PARAMETER NULL-FILL TO FILL DATA PART OF NULL FIELDS). ++VER (Z038) FMID (CPFUJ00) PRE (R079770 R080152 R082880 R083631 R084209 R085088 R085199 R086934 R087084 R088561 R088657 R089446 R091028 R091313 R091775 R092353 R092935 R094206 R094734 R096152 R099139 S000067 S000175) SUP (R082062 R087184 ST00654 TR82062 TR87184)

Service	Details	
S000684	S000684 M.C.S. ENTRIES = ++PTF (S000684)	
	SPORADIC S0C4 IN ROLDDL PROBLEM DESCRIPTION: In CA RC/Migrator for DB2 for z/OS (RCM), the analysis may end with a S0C4 abend and reason code 0000011, if the following conditions are true: 1) The strategy includes base and history tables. 2) The versioning is restored between base and history table. SYMPTOMS: SYSTEM COMPLETION CODE=0C4 REASON CODE=0000011 TIME=18.32.11 SEQ=34837 CPU=0000 ASID=0136 PSW AT TIME OF ERROR 078D2000 A2E2B352 ILC 4 INTC 11 ACTIVE LOAD MODULE ADDRESS=22DD3000 OFFSET=00058352 NAME=ROLDDL DATA AT PSW 22E2B34C - 90584780 C67EBFF3 10004780 IMPACT: Customer will not be able to successfully analyze the strategy. 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 2922 Copyright (C) 2018 CA. All rights reserved. R01827-D190-SP2	
	DESC(SPORADIC S0C4 IN ROLDDL). ++VER (Z038) FMID (CINSJ00) PRE (R078732 R079423 R080857 R081035 R081475 R082106 R083809 R083881 R084246 R085507 R087352 R088695 R089692 R091096 R092347 R092931 R094202 R094729 S000138 S000284) SUP (R079955 R084002 ST00684 TR79955 TR84002 TR92634)	
	MCS	S000001 STARTS ON PAGE 0003
	MCS	S000206 STARTS ON PAGE 0004
	MCS	S000271 STARTS ON PAGE 0005
	MCS	S000273 STARTS ON PAGE 0006
	MCS	S000284 STARTS ON PAGE 0007
	MCS	S000306 STARTS ON PAGE 0011
	MCS	S000307 STARTS ON PAGE 0012
	MCS	S000332 STARTS ON PAGE 0013
	MCS	S000348 STARTS ON PAGE 0014
	MCS	S000367 STARTS ON PAGE 0015
	MCS	S000413 STARTS ON PAGE 0016
	MCS	S000424 STARTS ON PAGE 0017
	MCS	S000462 STARTS ON PAGE 0021
	MCS	S000467 STARTS ON PAGE 0022
	MCS	S000480 STARTS ON PAGE 0023
	MCS	S000506 STARTS ON PAGE 0024
	MCS	S000547 STARTS ON PAGE 0025
	MCS	S000548 STARTS ON PAGE 0026
	MCS	S000555 STARTS ON PAGE 0027
	MCS	S000558 STARTS ON PAGE 0028
	MCS	S000574 STARTS ON PAGE 0030
	MCS	S000615 STARTS ON PAGE 0031
	MCS	S000622 STARTS ON PAGE 0031
	MCS	S000637 STARTS ON PAGE 0032
	MCS	S000653 STARTS ON PAGE 0034
	MCS	S000654 STARTS ON PAGE 0036
	MCS	S000684 STARTS ON PAGE 0037

CA DB2 Tools 19.0
CA RS 1803 Product/Component Listing

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Product Family	Product	Release
DB2 Tools	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 1803 Product/Component Count for this release is 24		

CA DB2 Tools 19.0
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR1803	S000684	CINSJ00
	S000654	CPFUJ00
	S000653	CPFUJ00
	S000637	CPSAJ00
	S000622	CPRAJ00
	S000615	CINSJ00
	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

CA RS Level	Service	FMID
	R099943	CINSJ00
	R099941	CIDBJ00
	R099934	CINSJ00
	R099920	CRCQJ00
	R099919	CINSJ00
	R099894	CPDTJ00
	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

CA RS Level	Service	FMID
	R099013	CPUTJ00
	R099011	CPDTJ00
	R098986	CINSJ00
	R098985	CINSJ00
	R098983	CPDTJ00
	R098966	CINSJ00
	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

CA RS Level	Service	FMID
	R098130	CUGRJ00
	R098080	CPSAJ00
	R098079	CPDTJ00
	R098078	CINSJ00
	R098007	CPPAJ00
	R096601	CPLAJ00
	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

CA RS Level	Service	FMID
	R079581	CPDTJ00
	R079164	CPDTJ00
CAR1708	R097206	CINSJ00
	R097202	CPFLJ00
	R097145	CPDTJ00
	R097135	CIDBJ00
	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

CA RS Level	Service	FMID
	R096410	CRCUJ00
	R096409	CPSAJ00
	R096407	CPSAJ00
	R096396	CINSJ00
	R096369	CINSJ00
	R096357	CPFLJ00
	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

CA RS Level	Service	FMID
	R095365	CPUTJ00
	R095364	CPRRJ00
	R095363	CINSJ00
	R095202	CINSJ00
CAR1705	R095868	CINSJ00
	R095708	CPDTJ00
	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

CA RS Level	Service	FMID
	R095002	CINSJ00
	R094995	CPDAJ00
	R094994	CINSJ00
	R094992	CPUTJ00
	R094991	CPRRJ00
	R094990	CINSJ00
	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

CA RS Level	Service	FMID
	R094202	CINSJ00
	R094201	CIDBJ00
	R094199	CAH0J00
CAR1702	R094030	CPDTJ00
	R093954	CINSJ00
	R093690	CPRRJ00
	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

CA RS Level	Service	FMID
	R092360	CRCQJ00
	R092359	CRCMJ00
	R092358	CPUTJ00
	R092357	CPSAJ00
	R092356	CPRRJ00
	R092355	CPPAJ00
	R092354	CPLAJ00
	R092353	CPFUJ00
	R092352	CPFLJ00
	R092351	CPDTJ00
	R092350	CPDAJ00
	R092347	CINSJ00
	R092346	CIDBJ00
	R092344	CAHOJ00
	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

CA RS Level	Service	FMID
	R091224	CPRRJ00
	R091193	CPDTJ00
	R091192	CINSJ00
	R091122	CPLAJ00
	R091103	CRCXJ00
	R091102	CRCUJ00
	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

CA RS Level	Service	FMID
	R090298	CINSJ00
	R090295	CINSJ00
	R090176	CUGRJ00
	R090175	CPUTJ00
	R090164	CRCMJ00
	R090163	CINSJ00
	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

CA RS Level	Service	FMID
	R089316	CINSJ00
	R089299	CRCXJ00
	R089298	CPLAJ00
	R089273	CPDTJ00
	R089264	CPPAJ00
	R089230	CPDTJ00
	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

CA RS Level	Service	FMID
	R088561	CPFUJ00
	R088560	CPFLJ00
	R088553	CPPAJ00
	R088552	CINSJ00
	R088529	CPUTJ00
	R088528	CPRRJ00
	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

CA RS Level	Service	FMID
	R087539	CIDBJ00
	R087535	CUGRJ00
	R087534	CPUTJ00
	R087533	CPRAJ00
	R087532	CINSJ00
	R087501	CPSAJ00
	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