

DB2 Tools 20.0
CA RS 2112 Service List

1

Service	Description	Type
LU02861	INCORRECT INDEX STATISTICS COLLECTED BY PDA	PTF
LU03252	RECOVERY FOR HANGING MVS ADDRESS SPACE REQUESTS	PTF
LU03265	DYNAMIC ALLOCATION OF SORT WORK DATA SETS USING RTS	PTF
LU03282	DROPPED OBJECT RECOVERY FAILS THE LAE90171 MESSAGE	PTF
LU03286	PROFILE-EXCEPTIONS RECORD ENHANCEMENTS	PTF
LU03291	INCOMPLETE ICL GENERATED WHEN DROPPING DEFAULT OF A COLUMN	PTF
LU03308	TS-LR REPORT DOES NOT WORK FOR AUXILARY TABLESPACE	PTF
LU03309	ARCHITECTURAL RUNWAY CHANGE	PTF
LU03314	OFS - ADVANCED TRIGGERS SUPPORT	PTF
LU03315	OFS - ADVANCED TRIGGERS SUPPORT	PTF
LU03316	OFS - ADVANCED TRIGGERS SUPPORT	PTF
LU03317	OFS - ADVANCED TRIGGERS SUPPORT	PTF
LU03318	OFS - ADVANCED TRIGGERS SUPPORT	PTF
LU03323	SQL CODE 100 WHEN SPECIFIED TABLE NOT FOUND	PTF
LU03324	SQL CODE 100 WHEN SPECIFIED TABLE NOT FOUND	PTF
LU03326	SOC1 ABEND AND DFSORT IGNORING MSGDDN WHEN MAINSIZE IS LARGE	PTF
LU03337	MISSING PPA DEFAULT RULESET FOR FUTURE DB2 VERSION	PTF
LU03338	MISSING PPA DEFAULT RULESET FOR FUTURE DB2 VERSION	PTF
LU03344	SOC4 ABEND IN PMM WITH INVALID SSCOPYDDN PARMLIB OPTION	PTF
LU03348	ARCHIVE TABLE ENHANCEMENTS	PTF
LU03353	PFU0395E ISSUED WITH MORE THAN 256 SYSTEM PAGES	PTF
LU03367	ABEND CODE=DC2 REASON CODE=4F004820 FOR ENCRYPTED DATASETS	** PRP **
LU03384	SDC2-38 WITH IMAGE COPIES, DFSORT, MOWRK	PTF
LU03386	OVERSTATED STATISTIC FOR INDB2_CPU_AFTER LU01393 APPLIED	PTF
LU03391	SOC4 OR SOC6 ABEND WHEN ANALYZING STRATEGY WITH CLONE TABLE	PTF
LU03399	IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE	PTF
LU03400	IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE	PTF
LU03401	IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE	PTF
LU03406	SOC4 ABENDS MAY OCCUR RESULTING IN THE DB2 COMING DOWN	PTF
LU03417	MAINFRAME TEAM CENTER ADD COLUMN HYPERLINKS AND BREADCRUMBS	PTF
LU03435	ABEND SOC4 WHEN THE EXCEPTION SYSTEM IS STOPPED	PTF
LU03437	PRODUCT AUTHORIZATION DOES NOT SAVE OPTIONS FOR A USER	PTF
LU03443	ABEND SA03 IN PMM DURING MERGECOPY	PTF
LU03453	FIXING LOAD CONTROL CARDS FOR AUDIT_DDL_DETAIL TABLE	PTF
LU03455	HANDLE DEPRECATED DB2 FIELDS IN ARCHIVE UNLOAD	PTF
LU03461	PDT0172 COLLECTION TERMINATES DUE TO HIGH G-COMMON USAGE	*HIP/PRP*
LU03463	ABEND U2D4 IN PXMZMBCC	PTF
LU03492	FAILED REPORT JOB HANGS WHEN LOG EXTRACT FILE IS NOT USED.	PTF
LU03500	LOG ANALYZER LICENSE PROCESSING	PTF
LU03519	SQLCODE 100 AFTER TERM CA UTIL WITH WILDCARDS	PTF
LU03520	RECOVERY ESTIMATOR SUPPORT FL508 ICTYPE='A' TTYPE='M'	PTF
LU03577	PRODUCT LICENSE PROCESSING	PTF
LU03578	PRODUCT LICENSE PROCESSING	PTF
LU03579	PRODUCT LICENSE PROCESSING	PTF
LU03580	PRODUCT LICENSE PROCESSING	PTF
LU03601	SOC4-11 IN SA\$CIDC2 DURING COLLECTION TERMINATION	PTF
LU03629	SECURITY OR INTEGRITY PROBLEM	** PRP **

DB2 Tools 20.0
CA RS 2112 Service List

Service	Description	Type
LU03666	A SOC4 OCCURS WHEN CREATING OR EDITING AN EXTERNAL KEY FILE	PTF
LU03667	A SOC4 OCCURS WHEN CREATING OR EDITING AN EXTERNAL KEY FILE	PTF
LU03673	SQL TEXT CAPTURE EXPLAIN -199 WHEN STATEMENT INELIGIBLE	PTF
LU03680	INCORRECT JCL GENERATED FOR AP WITH MULTIPLE IBM UTILITIES	** PRP **
The CA RS 2112 service count for this release is 51		

DB2 Tools
CA RS 2112 Service List for CIDBK00

FMID	Service	Description	Type
CIDBK00	LU03252	RECOVERY FOR HANGING MVS ADDRESS SPACE REQUESTS	PTF
	LU03286	PROFILE-EXCEPTIONS RECORD ENHANCEMENTS	PTF
	LU03348	ARCHIVE TABLE ENHANCEMENTS	PTF
	LU03435	ABEND SOC4 WHEN THE EXCEPTION SYSTEM IS STOPPED	PTF
	LU03453	FIXING LOAD CONTROL CARDS FOR AUDIT_DDL_DETAIL TABLE	PTF
	LU03455	HANDLE DEPRECATED DB2 FIELDS IN ARCHIVE UNLOAD	PTF
	LU03673	SQL TEXT CAPTURE EXPLAIN -199 WHEN STATEMENT INELIGIBLE	PTF
The CA RS 2112 service count for this FMID is 7			

DB2 Tools
CA RS 2112 Service List for CINSK00

4

FMID	Service	Description	Type
CINSK00	LU02861	INCORRECT INDEX STATISTICS COLLECTED BY PDA	PTF
	LU03291	INCOMPLETE ICL GENERATED WHEN DROPPING DEFAULT OF A COLUMN	PTF
	LU03309	ARCHITECTURAL RUNWAY CHANGE	PTF
	LU03314	OFS - ADVANCED TRIGGERS SUPPORT	PTF
	LU03337	MISSING PPA DEFAULT RULESET FOR FUTURE DB2 VERSION	PTF
	LU03367	ABEND CODE=DC2 REASON CODE=4F004820 FOR ENCRYPTED DATASETS	** PRP **
	LU03391	SOC4 OR SOC6 ABEND WHEN ANALYZING STRATEGY WITH CLONE TABLE	PTF
	LU03417	MAINFRAME TEAM CENTER ADD COLUMN HYPERLINKS AND BREADCRUMBS	PTF
	LU03463	ABEND U2D4 IN PXMZMBCC	PTF
	LU03520	RECOVERY ESTIMATOR SUPPORT FL508 ICTYPE='A' TTYPE='M'	PTF
	LU03629	SECURITY OR INTEGRITY PROBLEM	** PRP **
	LU03666	A SOC4 OCCURS WHEN CREATING OR EDITING AN EXTERNAL KEY FILE	PTF
The CA RS 2112 service count for this FMID is 12			

DB2 Tools
CA RS 2112 Service List for COFSK00

FMID	Service	Description	Type
COFSK00	LU03315	OFS - ADVANCED TRIGGERS SUPPORT	PTF
The CA RS 2112 service count for this FMID is 1			

DB2 Tools
CA RS 2112 Service List for CPDAK00

FMID	Service	Description	Type
CPDAK00	LU03680	INCORRECT JCL GENERATED FOR AP WITH MULTIPLE IBM UTILITIES	** PRP **
The CA RS 2112 service count for this FMID is 1			

DB2 Tools
CA RS 2112 Service List for CPDTK00

7

FMID	Service	Description	Type
CPDTK00	LU03386	OVERSTATED STATISTIC FOR INDB2_CPU_AFTER LU01393 APPLIED	PTF
	LU03406	SOC4 ABENDS MAY OCCUR RESULTING IN THE DB2 COMING DOWN	PTF
	LU03461	PDT0172 COLLECTION TERMINATES DUE TO HIGH G-COMMON USAGE	*HIP/PRP*
The CA RS 2112 service count for this FMID is 3			

DB2 Tools
CA RS 2112 Service List for CPFLK00

FMID	Service	Description	Type
CPFLK00	LU03399	IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE	PTF
	LU03577	PRODUCT LICENSE PROCESSING	PTF
The CA RS 2112 service count for this FMID is 2			

DB2 Tools
CA RS 2112 Service List for CPFUK00

FMID	Service	Description	Type
CPFUK00	LU03265	DYNAMIC ALLOCATION OF SORT WORK DATA SETS USING RTS	PTF
	LU03353	PFU0395E ISSUED WITH MORE THAN 256 SYSTEM PAGES	PTF
	LU03384	SDC2-38 WITH IMAGE COPIES, DFSORT, MOWRK	PTF
	LU03578	PRODUCT LICENSE PROCESSING	PTF
The CA RS 2112 service count for this FMID is 4			

DB2 Tools
CA RS 2112 Service List for CPLAK00

FMID	Service	Description	Type
CPLAK00	LU03282	DROPPED OBJECT RECOVERY FAILS THE LAE90171 MESSAGE	PTF
	LU03316	OFS - ADVANCED TRIGGERS SUPPORT	PTF
	LU03492	FAILED REPORT JOB HANGS WHEN LOG EXTRACT FILE IS NOT USED.	PTF
	LU03500	LOG ANALYZER LICENSE PROCESSING	PTF
The CA RS 2112 service count for this FMID is 4			

DB2 Tools
CA RS 2112 Service List for CPPAK00

11

FMID	Service	Description	Type
CPPAK00	LU03338	MISSING PPA DEFAULT RULESET FOR FUTURE DB2 VERSION	PTF
The CA RS 2112 service count for this FMID is 1			

DB2 Tools
CA RS 2112 Service List for CPRRK00

FMID	Service	Description	Type
CPRRK00	LU03400	IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE	PTF
The CA RS 2112 service count for this FMID is 1			

DB2 Tools
CA RS 2112 Service List for CPSAK00

FMID	Service	Description	Type
CPSAK00	LU03601	SOC4-11 IN SA\$CIDC2 DURING COLLECTION TERMINATION	PTF
The CA RS 2112 service count for this FMID is 1			

DB2 Tools
CA RS 2112 Service List for CPUTK00

FMID	Service	Description	Type
CPUTK00	LU03323	SQL CODE 100 WHEN SPECIFIED TABLE NOT FOUND	PTF
	LU03401	IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE	PTF
	LU03519	SQLCODE 100 AFTER TERM CA UTIL WITH WILDCARDS	PTF
	LU03579	PRODUCT LICENSE PROCESSING	PTF
The CA RS 2112 service count for this FMID is 4			

DB2 Tools
CA RS 2112 Service List for CRCQK00

15

FMID	Service	Description	Type
CRCQK00	LU03308	TS-LR REPORT DOES NOT WORK FOR AUXILARY TABLESPACE	PTF
	LU03317	OFS - ADVANCED TRIGGERS SUPPORT	PTF
The CA RS 2112 service count for this FMID is 2			

DB2 Tools
CA RS 2112 Service List for CRCUK00

FMID	Service	Description	Type
CRCUK00	LU03437	PRODUCT AUTHORIZATION DOES NOT SAVE OPTIONS FOR A USER	PTF
	LU03667	A SOC4 OCCURS WHEN CREATING OR EDITING AN EXTERNAL KEY FILE	PTF
The CA RS 2112 service count for this FMID is 2			

DB2 Tools
CA RS 2112 Service List for CRCXK00

17

FMID	Service	Description	Type
CRCXK00	LU03318	OFS - ADVANCED TRIGGERS SUPPORT	PTF
The CA RS 2112 service count for this FMID is 1			

DB2 Tools
CA RS 2112 Service List for CUGRK00

FMID	Service	Description	Type
CUGRK00	LU03324	SQL CODE 100 WHEN SPECIFIED TABLE NOT FOUND	PTF
	LU03326	SOC1 ABEND AND DFSORT IGNORING MSGDDN WHEN MAINSIZE IS LARGE	PTF
	LU03344	SOC4 ABEND IN PMM WITH INVALID SSCOPYDDN PARMLIB OPTION	PTF
	LU03443	ABEND SA03 IN PMM DURING MERGECOPY	PTF
	LU03580	PRODUCT LICENSE PROCESSING	PTF
The CA RS 2112 service count for this FMID is 5			

Service	Details
LU02861	LU02861 M.C.S. ENTRIES = ++PTF (LU02861) INCORRECT INDEX STATISTICS COLLECTED BY PDA PROBLEM DESCRIPTION: CA Database Analyzer for DB2 for z/OS (PDA) may calculate incorrect values for index statistics. SYMPTOMS: The collection completes successfully but the collected index statistics values may not be correct. Symbolic variables values used in model processing that reference Primary Quantity, Secondary Quantity, Reorg Pages and Leaf pages etc for indexes may not be correct. IMPACT: Action JCL with incorrect symbolic values may fail. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Database Analyzer For DB2 for z/OS Version 20.0 Related Problem: PDA 13167 Copyright (C) 2021 CA. All rights reserved. R01641-D200-SP1 DESC(INCORRECT INDEX STATISTICS COLLECTED BY PDA). ++VER (Z038) FMID (CINSK00) PRE (LU00135 LU00145 LU02455 S000016 S005011 S011234) SUP (AS11234 LT02860 LT02861 S008016 S010639 S013320 S015770 ST08016 ST10639 ST13320 ST15770) CSECT(RAASIX2,OPENDB,OPENERR,COLLESTG,IDPKEYDP,IXDIRPAG,INITSTAT,HIGHVALS).

Service	Details
LU03252	LU03252 M.C.S. ENTRIES = ++PTF (LU03252) RECOVERY FOR HANGING MVS ADDRESS SPACE REQUESTS PROBLEM DESCRIPTION: The SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) may not properly recover a user task from a failed cross-memory report in case it is issued against an address space that is gone from the system by the time the report should be dispatched. SYMPTOMS: A failed cross-memory request keeps one user task hanging. A command to STOP a request fails and no notification is given to the user. IMPACT: The user cannot manage the currently running requests. CIRCUMVENTION: Don't use the following requests: MVS, MVSEMQS, MVSFILES, MVSPGMS, MVSSTOR, MVSTASKS. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for DB2 for z/OS Version 20. 0 Related Problem: IDB2 14970 Copyright (C) 2021 CA. All rights reserved. R01686-D200-SP1 DESC(RECOVERY FOR HANGING MVS ADDRESS SPACE REQUESTS) . ++VER (Z038) FMID (CIDBK00) PRE (LU01556 LU02118 R096575 R097703 R099552 S001395 S004454 S006112 S006862 S006977 S007806 S008846 S009556 S010160 S013891 S015049 S016300) SUP (LT03252 S009055 S011675 ST09055 ST11675) CSECT(NGRABP4C,NGRABP4) . CSECT(NREQMGTC,NREQMGMT) . CSECT(NSIRITAC,NSIRITAB) .

Service	Details																		
LU03265	LU03265 M.C.S. ENTRIES = ++PTF (LU03265) DYNAMIC ALLOCATION OF SORT WORK DATA SETS USING RTS ENHANCEMENT DESCRIPTION: Fast Unload for Db2 for z/OS (PFU) now utilizes real time statistics (RTS) to sort data when ORDER BY or ORDER CLUSTERED is specified. The ESTIMATED-ROWS keyword has a new default value "RTS". A new keyword RTS-OVERRIDE within the CDBAPARM PFU member is added which causes PFU to use RTS even if a numeric value is specified for ESTIMATED-ROWS. PRODUCT(S) AFFECTED: Fast Unload for Db2 for z/OS Version 20.0 Related Problem: PFU 14389 Copyright (C) 2021 CA. All rights reserved. R01690-D200-SP1 DESC(DYNAMIC ALLOCATION OF SORT WORK DATA SETS USING RTS). ++VER (Z038) FMID (CPFUK00) PRE (LU00281 LU00302 LU00886 LU01350 LU01939 LU02006 LU02727 LU03032 LU03211 R099558 S000019 S001402 S001657 S001818 S004460 S006118 S006867 S007812 S008068 S008112 S008860 S009025 S010043 S011108 S011236 S011997 S012108 S012151 S012276 S012527 S013151 S013319 S013707 S013766 S013960 S014382 S014501 S014984 S015236 S016195) SUP (LT02822 LT03039 LT03265 ST13123 ST15158) ++HOLD (LU03265) SYSTEM FMID(CPFUK00) REASON (MSGSKEL) DATE (21306) COMMENT (<table border="1"> <tr> <td>Fast Unload for DB2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Relink XMESSAGES</td></tr> <tr> <td>USERS</td><td></td></tr> <tr> <td>AFFECTED</td><td>All DB2 Tools Users</td></tr> <tr> <td>KNOWLEDGE</td><td></td></tr> <tr> <td>REQUIRED</td><td>DB2 Tools Post Install Customization.</td></tr> <tr> <td>ACCESS</td><td>1. DB2 Tools Post Install</td></tr> <tr> <td>REQUIRED</td><td>2. BIND Authority on DB2 subsystems</td></tr> </table> ***** * STEPS TO PERFORM * ***** XMESSAGE components have changes as part of this maintenance. If you do not customize XMESSAGES, no further action is required. If you do customize XMESSAGES, after maintenance is APPLIED 1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules.	Fast Unload for DB2 for z/OS	Version 20.0	SEQUENCE	After Apply	PURPOSE	Relink XMESSAGES	USERS		AFFECTED	All DB2 Tools Users	KNOWLEDGE		REQUIRED	DB2 Tools Post Install Customization.	ACCESS	1. DB2 Tools Post Install	REQUIRED	2. BIND Authority on DB2 subsystems
Fast Unload for DB2 for z/OS	Version 20.0																		
SEQUENCE	After Apply																		
PURPOSE	Relink XMESSAGES																		
USERS																			
AFFECTED	All DB2 Tools Users																		
KNOWLEDGE																			
REQUIRED	DB2 Tools Post Install Customization.																		
ACCESS	1. DB2 Tools Post Install																		
REQUIRED	2. BIND Authority on DB2 subsystems																		

Service	Details
	Refer to the Post Installation and Customization Guide for details.).

Service	Details
LU03282	LU03282 M.C.S. ENTRIES = ++PTF (LU03282) DROPPED OBJECT RECOVERY FAILS THE LAE90171 MESSAGE PROBLEM DESCRIPTION: Log Analyzer for Db2 for z/OS Dropped Object Recovery may fail with message LAE90171 in SYSINBLD step. SYMPTOMS: Following message appears in a joblog: LAE90171 SQL warning/error for a table tagged by 'BLDP'. IMPACT: Drop Object Recovery recreated the dropped object but the object is missing the data. CIRCUMVENTION: None PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Release 20.0 Related Problem: PLA 14993 Copyright (C) 2021 CA. All rights reserved. R01691-D200-SP1 DESC(DROPPED OBJECT RECOVERY FAILS THE LAE90171 MESSAGE). ++VER (Z038) FMID (CPLAK00) PRE (LU00165 LU00672 LU00940 LU01043 LU02230 LU02381 LU03250 R099559 S000020 S000975 S001403 S004245 S004461 S006119 S008802 S009083 S009133 S010677 S011113 S011419 S011669 S012173 S012797 S012889 S012900 S013009 S013625 S013879 S014137 S014142 S014613 S014866 S015064 S015220 S015456) SUP (LT02213 LT03160 LT03282 LU02213 S014949 ST14924 ST14949) CSECT(LAA@DOFS,#@XFCALR).

Service	Details
LU03286	LU03286 M.C.S. ENTRIES = ++PTF (LU03286) PROFILE-EXCEPTIONS RECORD ENHANCEMENTS ENHANCEMENT DESCRIPTION: SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) introduces several enhancements for monitoring DB2 system profiles activity reported with PROFILE-EXCEPTIONS (IFCID 402) record. 1. Several new fields are added to the record. The real-time report PROFILES is updated to show these fields. 2. The DELTA processing is introduced for this record. 3. New data collector system parameter PROFILE-MONITORING=YES/NO is introduced. The default parameter value is NO. This parameter enables a processing path for the record which allows obtaining it via READS on a fixed time interval. A minimum of DB2 version 12 with APAR PH12041 is required to successfully enable this parameter. 4. New history online reports HSTPROF, HSUPROF are introduced. These reports are started only when PROFILE-MONITORING=YES. 5. New interval-based IQL exception IDSXC402 is introduced. 6. New batch reports BTRPROFS and BTRPROFD are introduced. 7. System real-time and history menus have been extended to include navigation to the PROFILE-EXCEPTIONS reports. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for DB2 for z/OS Version 20. 0 Related Problem: IDB2 13825 Copyright (C) 2021 CA. All rights reserved. R01692-D200-SP1 DESC (PROFILE-EXCEPTIONS RECORD ENHANCEMENTS). ++VER (Z038) FMID (CIDBK00) PRE (LU00299 LU00697 LU00881 LU01030 LU01041 LU01042 LU01166 LU01175 LU01556 LU01750 LU01829 LU01977 LU02033 LU02093 LU02096 LU02118 LU02303 LU02325 LU02516 LU02634 LU02646 LU02800 LU03023 LU03091 LU03195 LU03252 LU03256 R096575 R097703 R099552 S000077 S001395 S004454 S006112 S006862 S006977 S007806 S008279 S008302 S008846 S009519 S009556 S010160 S010405 S010739 S010906 S011616 S011780 S011977 S012483 S012769 S013508 S013557 S013891 S014016 S014099 S014164 S014389 S014642 S014754 S014843 S014883 S015049 S015070 S015254 S015647 S015931 S016116 S016200 S016270 S016300) SUP (AS16200 LT02031 LT02985 LT03146 LT03286 LU02031 LU02985 LU03146 R097683 S008728 S009054 S009055 S013032 S014228 S014923 S015913 ST03732 ST05775 ST05936 ST08728 ST09054 ST09055 ST13032 ST14228 ST14923 ST15913 TR97683) ++HOLD (LU03286) SYSTEM FMID(CIDBK00) REASON (DYNACT) DATE (21305) COMMENT (+-----+ SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0

Service	Details
	<pre> +-----+-----+ SEQUENCE Before using PROFILE-MONITORING=YES parameter +-----+-----+ PURPOSE Make SYSVIEW for DB2 users aware of the limitations for this functionality based on DB2 version. +-----+-----+ USERS All SYSVIEW for DB2 users AFFECTED +-----+-----+ KNOWLEDGE Basic SYSVIEW for DB2 knowledge, Basic DB2 knowledge. REQUIRED +-----+-----+ ACCESS Access to update SYSVIEW for DB2 operational parameters REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** With this maintenance, SYSVIEW for DB2 can obtain PROFILE-EXCEPTIONS records (IFCID 402) using different access method which is enabled only when the PROFILE-MONITORING operational parameter is set to YES. The default value of PROFILE-MONITORING parameter is NO. This access method is supported only by DB2 version 12 with APAR PH12041 installed. On any maintenance level lower than that error messages indicating a failed attempt to obtain the record will be printed out to the DBGPRINT output dataset. The expected error messages are DBG11012E, DBG05004I and DBG05005I.).</pre>

Service	Details
LU03291	LU03291 M.C.S. ENTRIES = ++PTF (LU03291) INCOMPLETE ICL GENERATED WHEN DROPPING DEFAULT OF A COLUMN PROBLEM DESCRIPTION: When using RC/Migrator for DB2 for z/OS (RCM) to alter the column of a table, and the column is altered from NULLABLE to NOT NULL, or from NOT NULL to NULLABLE, then the 'ALTER COLUMN <ColumnName>' will be missing from the generated 'ALTER TABLE' ICL. SYMPTOMS: ALTER TABLE <TBCreator>.<TBName> <<===== Alter column is missing NOT NULL IMPACT: Customer will not be able to analyze the ICL successfully. DDL00002 message will be issued. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for DB2 for z/OS (RCM) Version 20.0 Related Problem: RCM 15140 Copyright (C) 2021 CA. All rights reserved. R01693-D200-SP1 DESC(INCOMPLETE ICL GENERATED WHEN DROPPING DEFAULT OF A COLUMN). ++VER (Z038) FMID (CINSK00) PRE (LU00446 R099553 S001396 S004718 S007379 S009105 S011691 S011966 S012361 S012933 S014125) SUP (LT01151 LT03291 LU01151)

Service	Details						
LU03308	LU03308 M.C.S. ENTRIES = ++PTF (LU03308) The following items are included in this solution: 1. TS-LR REPORT DOES NOT WORK FOR AUXILARY TABLESPACE 2. TS-PE REPORT DOES NOT DISPLAY ALL PENDING CHANGES ===== TS-LR REPORT DOES NOT WORK FOR AUXILARY TABLESPACE PROBLEM DESCRIPTION: In RC/Query for DB2 for z/OS (RCQ), the Tablespace Lob Relationships (TS-LR) report works for the base tablespace, not for the auxiliary tablespace. SYMPTOMS: The TS-LR report does not show results when auxiliary tablespace is entered in the report header fields. IMPACT: The TS-LR report is incorrect. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Query for DB2 for z/OS Version 20.0 Related Problem: RCQ 15132 ===== TS-PE REPORT DOES NOT DISPLAY ALL PENDING CHANGES PROBLEM DESCRIPTION: In CA RC/Query for DB2 for z/OS (RCQ), the Tablespace Pending Detail (TS-PE) report does not list pending changes caused by altertions on tables. SYMPTOMS: The TS-PE report is limited to tablespace alterations. IMPACT: The TS-PE report is incorrect. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA RC/Query for DB2 for z/OS Version 20.0 Related Problem: RCQ 15133 Copyright (C) 2021 CA. All rights reserved. R01694-D200-SP1 DESC(TS-LR REPORT DOES NOT WORK FOR AUXILARY TABLESPACE) . ++VER (Z038) FMID (CRCQK00) PRE (LU02665 R099569) SUP (LT03308) ++HOLD (LU03308) SYSTEM FMID(CRCQK00) REASON (DB2BIND) DATE (21313) COMMENT (<table border="1"> <tr> <td>RC/Query for DB2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Bind Plans and Packages</td></tr> </table>	RC/Query for DB2 for z/OS	Version 20.0	SEQUENCE	After Apply	PURPOSE	Bind Plans and Packages
RC/Query for DB2 for z/OS	Version 20.0						
SEQUENCE	After Apply						
PURPOSE	Bind Plans and Packages						

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

Service	Details
LU03309	LU03309 M.C.S. ENTRIES = ++PTF (LU03309) ARCHITECTURAL RUNWAY CHANGE PROBLEM DESCRIPTION: This is an architectural runway change to support future enhancements. PRODUCT(S) AFFECTED: None Related Problem: GEN 15014 Copyright (C) 2021 CA. All rights reserved. R01695-D200-SP1 DESC (ARCHITECTURAL RUNWAY CHANGE). ++VER (Z038) FMID (CINSK00) PRE (LU00283 R099553 S001396 S004455 S013827) SUP (LT03309)

Service	Details																														
LU03314	LU03314 M.C.S. ENTRIES = ++PTF (LU03314) OFS - ADVANCED TRIGGERS SUPPORT ENHANCEMENT DESCRIPTION: Advanced triggers support has been added to the following Database Management Solutions for Db2 for z/OS components: RBP (Batch Processor) has been enhanced to support the execution of advanced triggers and create or replace native stored procedure statements. OFS (Object Framework Services) has been enhanced to support the DDL generation, HDDL and parsing of Advanced Triggers. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: OFS 14424 Copyright (C) 2021 CA. All rights reserved. R01696-D200-SP1 DESC(OFS - ADVANCED TRIGGERS SUPPORT). ++VER (Z038) FMID (CINSK00) PRE (LU00412 LU00446 LU00925 LU01039 LU01106 LU01705 LU01978 LU02029 LU02279 R096576 R097704 R099553 S001396 S004455 S004718 S006113 S006638 S006863 S007379 S007807 S008434 S008662 S009105 S009183 S010004 S010162 S011691 S011866 S011966 S012361 S012650 S012933 S013484 S014125 S014832 S015804 S016132) SUP (AS07379 LT00368 LT00613 LT03314 LU00368 LU00613 S007774 S008296 S009125 S009602 S009892 S013273 S015449 S015867 S016045 ST06573 ST07774 ST08296 ST09125 ST09565 ST09602 ST09892 ST13273 ST15449 ST15867 ST16045) ++IF FMID(COFSK00) REQ(LU03315) . ++IF FMID(CPLAK00) REQ(LU03316) . ++IF FMID(CRCQK00) REQ(LU03317) . ++IF FMID(CRCXK00) REQ(LU03318) . ++HOLD (LU03314) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (21312) COMMENT (<table> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> </td><td>DBM Solutions for DB2 for z/OS Base Insta Version 20.0 </td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> SEQUENCE</td><td> After Apply </td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> PURPOSE</td><td> Bind Plans and Packages </td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> USERS</td><td> </td></tr> <tr> <td> AFFECTED</td><td> All Users </td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> KNOWLEDGE</td><td> </td></tr> <tr> <td> REQUIRED</td><td> DB2 Tools Post Install Customization. </td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> ACCESS</td><td> 1. DB2 Tools Post Install </td></tr> <tr> <td> REQUIRED</td><td> 2. BIND, SYSADM or SYSCNTL on DB2 subsystem. </td></tr> </table>	+-----+			DBM Solutions for DB2 for z/OS Base Insta Version 20.0	+-----+		SEQUENCE	After Apply	+-----+		PURPOSE	Bind Plans and Packages	+-----+		USERS		AFFECTED	All Users	+-----+		KNOWLEDGE		REQUIRED	DB2 Tools Post Install Customization.	+-----+		ACCESS	1. DB2 Tools Post Install	REQUIRED	2. BIND, SYSADM or SYSCNTL on DB2 subsystem.
+-----+																															
	DBM Solutions for DB2 for z/OS Base Insta Version 20.0																														
+-----+																															
SEQUENCE	After Apply																														
+-----+																															
PURPOSE	Bind Plans and Packages																														
+-----+																															
USERS																															
AFFECTED	All Users																														
+-----+																															
KNOWLEDGE																															
REQUIRED	DB2 Tools Post Install Customization.																														
+-----+																															
ACCESS	1. DB2 Tools Post Install																														
REQUIRED	2. BIND, SYSADM or SYSCNTL on DB2 subsystem.																														

Service	Details
	<pre> +-----+-----+ ***** * STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the Database Management Solutions for DB2 for z/OS on https://techdocs.broadcom.com for more information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If SYSVIEW for DB2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.). CSECT(BPASQLG,WTSECT) . </pre>

Service	Details
LU03315	LU03315 M.C.S. ENTRIES = ++PTF (LU03315) OFS - ADVANCED TRIGGERS SUPPORT ENHANCEMENT DESCRIPTION: Advanced triggers support has been added to the following Database Management Solutions for Db2 for z/OS components: RBP (Batch Processor) has been enhanced to support the execution of advanced triggers and create or replace native stored procedure statements. OFS (Object Framework Services) has been enhanced to support the DDL generation, HDDL and parsing of Advanced Triggers. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: OFS 14424 Copyright (C) 2021 CA. All rights reserved. R01696-D200-SP1 DESC(OFS - ADVANCED TRIGGERS SUPPORT). ++VER (Z038) FMID (COFSK00) PRE (LU00531 LU01053 LU01107 LU01122 LU01979 LU02280 LU02437 R096577 R097705 R099554 S001397 S001666 S004456 S006114 S006864 S007380 S007808 S008435 S008663 S009106 S011967 S012362 S012412 S014126 S015062 S015225) SUP (LT01273 LT01516 LT01832 LT01937 LT02387 LT02633 LT02866 LT03315 LU01832 LU01937 LU02387 LU02633 LU02866 S008101 S008109 S008403 S008858 S009128 S009647 S010250 S011921 S013758 S013781 S013990 S014570 S014655 S015440 S015650 ST04946 ST08101 ST08109 ST08403 ST08858 ST08864 ST08979 ST09008 ST09128 ST09467 ST09647 ST10250 ST11770 ST11921 ST12409 ST13745 ST13758 ST13781 ST13860 ST13990 ST14570 ST14655 ST15440 ST15650) ++IF FMID(CPLAK00) REQ(LU03316) . ++IF FMID(CRCQK00) REQ(LU03317) . ++IF FMID(CRCXK00) REQ(LU03318) . ++IF FMID(CINSK00) REQ(LU03314) .

Service	Details
LU03316	LU03316 M.C.S. ENTRIES = ++PTF (LU03316) OFS - ADVANCED TRIGGERS SUPPORT ENHANCEMENT DESCRIPTION: Advanced triggers support has been added to the following Database Management Solutions for Db2 for z/OS components: RBP (Batch Processor) has been enhanced to support the execution of advanced triggers and create or replace native stored procedure statements. OFS (Object Framework Services) has been enhanced to support the DDL generation, HDDL and parsing of Advanced Triggers. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: OFS 14424 Copyright (C) 2021 CA. All rights reserved. R01696-D200-SP1 DESC(OFS - ADVANCED TRIGGERS SUPPORT). ++VER (Z038) FMID (CPLAK00) PRE (LU00672 LU01043 LU02230 LU02381 LU03250 LU03282 R099559 S000020 S000975 S001403 S004245 S004461 S006119 S008802 S009083 S009133 S010677 S011113 S011419 S011669 S012797 S012889 S012900 S013009 S013625 S013879 S014137 S014142 S014613 S014866 S015220) SUP (LT02213 LT03316 LU02213 S014949 ST14924 ST14949) ++IF FMID(COFSK00) REQ(LU03315) . ++IF FMID(CRCQK00) REQ(LU03317) . ++IF FMID(CRCXK00) REQ(LU03318) . ++IF FMID(CINSK00) REQ(LU03314) . CSECT(LAA@DOFS,#@XFCALR) .

Service	Details
LU03317	LU03317 M.C.S. ENTRIES = ++PTF (LU03317) OFS - ADVANCED TRIGGERS SUPPORT ENHANCEMENT DESCRIPTION: Advanced triggers support has been added to the following Database Management Solutions for Db2 for z/OS components: RBP (Batch Processor) has been enhanced to support the execution of advanced triggers and create or replace native stored procedure statements. OFS (Object Framework Services) has been enhanced to support the DDL generation, HDDL and parsing of Advanced Triggers. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: OFS 14424 Copyright (C) 2021 CA. All rights reserved. R01696-D200-SP1 DESC(OFS - ADVANCED TRIGGERS SUPPORT). ++VER (Z038) FMID (CRCQK00) PRE (R099569 S006875) SUP (LT03317) ++IF FMID(COFSK00) REQ(LU03315) . ++IF FMID(CPLAK00) REQ(LU03316) . ++IF FMID(CRCXK00) REQ(LU03318) . ++IF FMID(CINSK00) REQ(LU03314) . CSECT(RQATGL,RPTSVCST) .

Service	Details
LU03318	LU03318 M.C.S. ENTRIES = ++PTF (LU03318) OFS - ADVANCED TRIGGERS SUPPORT ENHANCEMENT DESCRIPTION: Advanced triggers support has been added to the following Database Management Solutions for Db2 for z/OS components: RBP (Batch Processor) has been enhanced to support the execution of advanced triggers and create or replace native stored procedure statements. OFS (Object Framework Services) has been enhanced to support the DDL generation, HDDL and parsing of Advanced Triggers. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: OFS 14424 Copyright (C) 2021 CA. All rights reserved. R01696-D200-SP1 DESC(OFS - ADVANCED TRIGGERS SUPPORT). ++VER (Z038) FMID (CRCXK00) PRE (LU00411 LU00450 R099572 R099853 S007384 S009110 S011079 S011971 S012366 S012937 S015807) SUP (LT03318) ++IF FMID(COFSK00) REQ(LU03315) . ++IF FMID(CPLAK00) REQ(LU03316) . ++IF FMID(CRCQK00) REQ(LU03317) . ++IF FMID(CINSK00) REQ(LU03314) .

Service	Details
LU03323	LU03323 M.C.S. ENTRIES = ++PTF (LU03323) SQL CODE 100 WHEN SPECIFIED TABLE NOT FOUND PROBLEM DESCRIPTION: Fast Check for Db2 for z/OS (PFC) does not print a descriptive error message when a table specified in the input syntax is not found. SYMPTOMS: The following messages are printed: PFC0060E - An SQL error has occurred: DSNT404I SQLCODE = 100, NOT FOUND: ROW NOT FOUND FOR FETCH, UPDATE, OR DELETE, OR THE RESULT OF A QUERY IS AN EMPTY TABLE DSNT418I SQLSTATE = 02000 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSNXRFFL SQL PROCEDURE DETECTING ERROR DSNT416I SQLERRD = -110 0 0 -1 0 0 SQL DIAGNOSTIC INFORMATION DSNT416I SQLERRD = X'FFFFFFF92' X'00000000' X'00000000' X'FFFFFFF' X'00000000' X'00000000' SQL DIAGNOSTIC INFORMATION IMPACT: No descriptive error is message. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: DBM Solutions for DB2 for z/OS Utility General Recovery Version 20.0 Related Problem: PFC 15182 Copyright (C) 2021 CA. All rights reserved. R01697-D200-SP1 DESC(SQL CODE 100 WHEN SPECIFIED TABLE NOT FOUND). ++VER (Z038) FMID (CPUTK00) PRE (LU00248 LU03192 S008072 S008380 S008429 S008586 S009978 S011521 S012529 S013098 S013767 S014773 S015740) SUP (LT03323 ST08364) ++IF FMID(CUGRK00) REQ(LU03324) .

Service	Details
LU03324	LU03324 M.C.S. ENTRIES = ++PTF (LU03324) SQL CODE 100 WHEN SPECIFIED TABLE NOT FOUND PROBLEM DESCRIPTION: Fast Check for Db2 for z/OS (PFC) does not print a descriptive error message when a table specified in the input syntax is not found. SYMPTOMS: The following messages are printed: PFC0060E - An SQL error has occurred: DSNT404I SQLCODE = 100, NOT FOUND: ROW NOT FOUND FOR FETCH, UPDATE, OR DELETE, OR THE RESULT OF A QUERY IS AN EMPTY TABLE DSNT418I SQLSTATE = 02000 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSNXRFFL SQL PROCEDURE DETECTING ERROR DSNT416I SQLERRD = -110 0 0 -1 0 0 SQL DIAGNOSTIC INFORMATION DSNT416I SQLERRD = X'FFFFFFF92' X'00000000' X'00000000' X'FFFFFFF' X'00000000' X'00000000' SQL DIAGNOSTIC INFORMATION IMPACT: No descriptive error is message. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: DBM Solutions for DB2 for z/OS Utility General Recovery Version 20.0 Related Problem: PFC 15182 Copyright (C) 2021 CA. All rights reserved. R01697-D200-SP1 DESC(SQL CODE 100 WHEN SPECIFIED TABLE NOT FOUND). ++VER (Z038) FMID (CUGRK00) PRE (S004475) SUP (LT03324) ++IF FMID(CPUTK00) REQ(LU03323) . ++HOLD (LU03324) SYSTEM FMID(CUGRK00) REASON (MSGSKEL) DATE (21306) COMMENT (<pre> +-----+ DBM Solutions for DB2 for z/OS Utility General Recovery Version 20.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Relink XMESSAGES +-----+-----+ USERS AFFECTED All DB2 Tools Users +-----+-----+ KNOWLEDGE REQUIRED DB2 Tools Post Install Customization. +-----+-----+ ACCESS 1. DB2 Tools Post Install REQUIRED 2. BIND Authority on DB2 subsystems +-----+-----+ ***** </pre>

Service	Details
	* STEPS TO PERFORM * ***** XMESSAGE components have changes as part of this maintenance. If you do not customize XMESSAGES, no further action is required. If you do customize XMESSAGES, after maintenance is APPLIED 1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules. Refer to the Post Installation and Customization Guide for details.).

Service	Details
LU03326	LU03326 M.C.S. ENTRIES = ++PTF (LU03326) SOC1 ABEND AND DFSORT IGNORING MSGDDN WHEN MAINSIZE IS LARGE PROBLEM DESCRIPTION: Fast Recover for Db for z/OS (PFR) may fail to rebuild indexes when the SORT syntax for DFSORT has a MAINSIZE of 9 digits or more. SYMPTOMS: 1. SOC1 abend. 2. ICE158A SYSOUT DD STATEMENT MISSING. IMPACT: REBUILD INDEX may fail. CIRCUMVENTION: Provide a MAINSIZE value that is 8 digits or less OR Provide SYSOUT DD statement in JCL. PRODUCT(S) AFFECTED: Fast Recover for Db for z/OS Version 20.0 0 Related Problem: PFR 15053 Copyright (C) 2021 CA. All rights reserved. R01698-D200-SP1 DESC(SOC1 ABEND AND DFSORT IGNORING MSGDDN WHEN MAINSIZE IS LARGE). ++VER (Z038) FMID (CUGRK00) PRE (LU00141 LU00728 LU02712 R096595 R099574 S000029 S000788 S001660 S004251 S008280 S009742 S010401 S012000 S012155 S013206 S014036 S014568 S015487) SUP (LT03326 S012234 ST12234)

Service	Details
LU03337	LU03337 M.C.S. ENTRIES = ++PTF (LU03337) MISSING PPA DEFAULT RULESET FOR FUTURE DB2 VERSION PROBLEM DESCRIPTION: In Plan Analyzer for Db2 for z/OS (PPADB2), when an explain target ruleset fails to match the same Db2 version as the target subsystem, either the PPA default or user-defined ruleset is not usable in the explain. SYMPTOMS: A quick explain or explain strategy encounters these error messages if an explain takes place against a future Db2 release that is not yet supported: THE USER-SPECIFIED RULESET WAS FOUND, BUT THE RULESET DB2 RELEASE LEVEL DOES NOT MATCH THE CURRENT DB2 RELEASE LEVEL OF THE TARGET SSID. THE CUSTOMIZATION OF THIS USER-SPECIFIED RULESET CAN BE DONE BY ENTERING THE EXPERT SYSTEM RULE SET MAINTENANCE (OPTION 5 OFF PPA MENU) AND EXECUTING THE COMMAND RESYNC. THE RESYNC COMMAND WILL UPGRADE THE RULESET DB2 RELEASE LEVEL TO THE CURRENT DB2 RELEASE LEVEL OF THE RULESET EXPERT SYSTEM RULE SET MAINTENANCE (OPTION 5 OFF PPA MENU) SSID AND ADD ANY NEW RULES FOUND IN THE PPA DEFAULT RULESET TO THE USER-SPECIFIED RULESET. USER DEFAULT FOR THIS SUBSYSTEM WILL BE USED PPA DEFAULT RULESET FOR THIS DB2 VERSION WAS NOT FOUND THERE ARE NO RULES IN THE SPECIFIED SSID/RULESET COMBINATION. IMPACT: Both PPA default and user-defined rulesets are unusable until a new PPA default ruleset that is based on the next release of Db2 is installed by the PPA post installation/upgrade customization task. CIRCUMVENTION: None PRODUCT(S) AFFECTED: Plan Analyzer for Db2 for z/OS Version 20.0 Related Problem: PPADB2 14661 Copyright (C) 2021 CA. All rights reserved. R01699-D200-SP1 DESC(MISSING PPA DEFAULT RULESET FOR FUTURE DB2 VERSION). ++VER (Z038) FMID (CINSK00) PRE (LU00643 R096576 S000016 S001396 S012650) SUP (LT03337) ++IF FMID(CPPAK00) REQ(LU03338) .

Service	Details
LU03338	LU03338 M.C.S. ENTRIES = ++PTF (LU03338) MISSING PPA DEFAULT RULESET FOR FUTURE DB2 VERSION PROBLEM DESCRIPTION: In Plan Analyzer for Db2 for z/OS (PPADB2), when an explain target ruleset fails to match the same Db2 version as the target subsystem, either the PPA default or user-defined ruleset is not usable in the explain. SYMPTOMS: A quick explain or explain strategy encounters these error messages if an explain takes place against a future Db2 release that is not yet supported: THE USER-SPECIFIED RULESET WAS FOUND, BUT THE RULESET DB2 RELEASE LEVEL DOES NOT MATCH THE CURRENT DB2 RELEASE LEVEL OF THE TARGET SSID. THE CUSTOMIZATION OF THIS USER-SPECIFIED RULESET CAN BE DONE BY ENTERING THE EXPERT SYSTEM RULE SET MAINTENANCE (OPTION 5 OFF PPA MENU) AND EXECUTING THE COMMAND RESYNC. THE RESYNC COMMAND WILL UPGRADE THE RULESET DB2 RELEASE LEVEL TO THE CURRENT DB2 RELEASE LEVEL OF THE RULESET EXPERT SYSTEM RULE SET MAINTENANCE (OPTION 5 OFF PPA MENU) SSID AND ADD ANY NEW RULES FOUND IN THE PPA DEFAULT RULESET TO THE USER-SPECIFIED RULESET. USER DEFAULT FOR THIS SUBSYSTEM WILL BE USED PPA DEFAULT RULESET FOR THIS DB2 VERSION WAS NOT FOUND THERE ARE NO RULES IN THE SPECIFIED SSID/RULESET COMBINATION. IMPACT: Both PPA default and user-defined rulesets are unusable until a new PPA default ruleset that is based on the next release of Db2 is installed by the PPA post installation/upgrade customization task. CIRCUMVENTION: None PRODUCT(S) AFFECTED: Plan Analyzer for Db2 for z/OSVersion 20.0 Related Problem: PPADB2 14661 Copyright (C) 2021 CA. All rights reserved. R01699-D200-SP1 DESC(MISSING PPA DEFAULT RULESET FOR FUTURE DB2 VERSION). ++VER (Z038) FMID (CPPAK00) PRE (LU00440 S012068 S012655 S014400) SUP (LT03338) ++IF FMID(CINSK00) REQ(LU03337) . ++HOLD (LU03338) SYSTEM FMID(CPPAK00) REASON (ACTION) DATE (21308) COMMENT (-----+ Plan Analyzer for Db2 for z/OS

Service	Details
	<pre> +-----+-----+ KNOWLEDGE REQUIRED CA Db2 Tools Post Install Customization +-----+-----+ ACCESS 1. CA Db2 Tools Post Install REQUIRED 2. Necessary authority to use IBM Load Utilities +-----+-----+ ***** * STEPS TO PERFORM * ***** The CA Db2 Tools Post Install Task for Plan Analyzer Install/Upgrade Customization has changed as part of this maintenance. After this maintenance is applied, the Plan Analyzer Customization Task must be submitted against all subsystems expected to support new future Db2 version. Refer to the Installing documentation for the CA Database Management Solutions for Db2 for z/OS on docops.ca.com for more information about performing the task in the following step. 1 In the CA Db2 Tools Post Install Customization Menu, select the (option 3) Tasks - Execute Db2 catalog customization tasks. 2. Select the Db2 subsystems to be updated. 3. Select the task - Plan Analyzer Install/Upgrade Customization This task refreshes the rules and recommendation ID table (RU2RE), and deletes/reloads the shipped (internal) DEFAULT rule sets for each selected Db2 subsystem.). CSECT (PPA#OPBL,PREDTAB) . </pre>

Service	Details
LU03344	LU03344 M.C.S. ENTRIES = ++PTF (LU03344) SOC4 ABEND IN PMM WITH INVALID SSCOPYDDN PARMLIB OPTION PROBLEM DESCRIPTION: When the UTIL parmlib member specifies SSCOPYOPT=YES and an incorrect SSCOPYDDN value, Merge/Modify for Db2 for z/OS (PMM) issues the expected PUT0874E or PUT0869E error message but it also abends with a SOC4. SYMPTOMS: A SOC4 abend occurs and one or both of the following messages are issued: PUT0874E - PARMLIB entry SSCOPYDDN is required PUT0869E - PARMLIB entry SSCOPYDDN is invalid; must contain variables for DSNUM or PART IMPACT: PMM may abend before releasing all its allocated memory. CIRCUMVENTION: When setting SSCOPYOPT to YES, specify a correct value for SSCOPYDDN. PRODUCT(S) AFFECTED: Merge/Modify for Db2 for z/OS Version 20.0 Related Problem: PMM 15026 Copyright (C) 2021 CA. All rights reserved. R01700-D200-SP1 DESC(SOC4 ABEND IN PMM WITH INVALID SSCOPYDDN PARMLIB OPTION). ++VER (Z038) FMID (CUGRK00) PRE (S000029 S012155) SUP (LT03344)

Service	Details
LU03348	LU03348 M.C.S. ENTRIES = ++PTF (LU03348) ARCHIVE TABLE ENHANCEMENTS ENHANCEMENT DESCRIPTION: The SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) updates the existing and introduces two new archive tables. History Unload Utility (IDB2UIFI REQ=UNLDHIST) is extended to populate offloaded IFCID 376 records with SQL text taken from the Dynamic SQL Text database (HSTSQldb) when the text is in the database, but not in the original trace record. The SQL text is populated up to a maximum length of 4000 characters. A new IQL variable SQL-INCOMPAT-TEXT is introduced to enable dynamic SQL text collection via IQLSLCNT report whenever an IFCID 376 record is captured. The data collector system parameter IQL-DEFINE=(SQL-INCOMPAT-TEXT=YES) activates the variable. The SUBSYS_SQL_DETAIL_STATIC archive table has been updated to include a new PROGRAM column to contain SQL package name. The following archive tables are updated to include a new column to contain a consistency token value in character representation of the hexadecimal data: - APPL_PGM_DETAIL includes PKG_TOKEN_HEX - APPL_PGM_DAILY includes PKG_TOKEN_HEX - SUBSYS_SQL_DETAIL_STATIC includes CONSIST_TOKEN_HEX Output IQL format "OF=Hnn" is introduced to convert input binary data into its hexadecimal character representation in EBCDIC encoding. The number of digits indicates the output field length in characters. This output format is suitable for loading data into Db2 CHAR columns. Two new archive tables APPL_SQL_INCOMPAT_DETAIL and APPL_SQL_INCOMPAT_PARMS are added to contain execution details of SQL statements that are potentially incompatible with the current version of Db2. These tables are based on IFCID 376 APPL-SQL-INCOMPAT records. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 14728 Copyright (C) 2021 CA. All rights reserved. R01701-D200-SP1 DESC (ARCHIVE TABLE ENHANCEMENTS). ++VER (Z038) FMID (CIDBK00) PRE (LU00253 LU00299 LU00697 LU01030 LU01041 LU01100 LU01164 LU01175 LU01556 LU02033 LU02093 LU02096 LU02118 LU02428 LU02634 LU02642 LU02646 LU02800 LU02829 LU03091 LU03195 LU03286 R096575 R097703 R099552 S000077 S001395 S004454 S006112 S006862 S007806 S008279 S008846 S009519 S009556 S010160 S010405 S010739 S010906 S011616 S011780 S011977 S012483 S012769 S013508 S013557 S013891 S014016 S014093 S014099 S014164 S014389 S014642 S014754 S015049 S015070 S015254 S015647 S015931 S016116 S016200 S016270 S016300) SUP (LT02606 LT03348 LT03354 LT03358 ST15722) ++HOLD (LU03348) SYSTEM FMID(CIDBK00)

Service	Details
	REASON (ACTION) DATE (21312) COMMENT (<pre> +-----+ SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Enhancement +-----+ USERS All users of the Archive component AFFECTED +-----+ KNOWLEDGE DB2 Tools Post Install REQUIRED +-----+ ACCESS Post Install customization libraries REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** The customer should plan to upgrade to the new archive tables. 1. Re-execute the DB2 Tools Post Install dialog. 2. Run the Archive Table Migration Utility (NSIGMIGA). The sample JCL can be found in member ARCMIGUT in the installation SOURCE library. 3. Run SQL statements from the ALTEROUT file. 4. Modify your archive procedure to use the new LOAD statements and IQLs stored in the LOADOUT and IQLOUT libraries. +-----+ SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Make SYSVIEW for DB2 users aware that if you use dynamic SQL text database(HISTORY-SQLTEXT=YES), the data collectors should be restarted after applying this maintenance. +-----+ USERS All SYSVIEW for DB2 users AFFECTED +-----+ KNOWLEDGE 1. Basic SYSVIEW for DB2 knowledge REQUIRED 2. SYSVIEW for DB2 Installation and Maintenance procedures +-----+ ACCESS 1. Product runtime libraries REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** With this maintenance, SYSVIEW for DB2 unload utility (IDB2UIFI </pre>

Service	Details
	REQ=UNLDHIST) populates IFCID 376 with SQL text from the dynamic SQL text database (HISTORY-SQLTEXT=YES) when the text is in the database, but not in the original trace record. The text is populated up to a maximum length of 4000 characters. The concurrent access (read) mechanism to the dynamic SQL text database has been introduced. This mechanism ensures that requests or reports that use the dynamic SQL text database experience no issues due to concurrent access to the database. Restart the data collector after applying this PTF. If you have data sharing data collectors, restart them all.).

Service	Details
LU03353	LU03353 M.C.S. ENTRIES = ++PTF (LU03353) PFU0395E ISSUED WITH MORE THAN 256 SYSTEM PAGES PROBLEM DESCRIPTION: Fast Unload for Db2 for z/OS (PFU) fails to unload an image copy and error message PFU0395E is issued under the following conditions: - Table space includes more than 256 system pages. The error can occur under the following specific conditions: - Table space includes more than 256 tables. - Image copy contains version 0 system pages. SYMPTOMS: The following message is issued: PFU0395E - UTAFUULC HEADER/SYSTEM PAGE POINTER TABLE FULL IMPACT: Processing fails. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Fast Unload for Db2 for z/OS Version 20.0 Related Problem: PFU 15181 Copyright (C) 2021 CA. All rights reserved. R01702-D200-SP1 DESC(PFU0395E ISSUED WITH MORE THAN 256 SYSTEM PAGES) . ++VER (Z038) FMID (CPFUK00) PRE (LU00137 LU00217 LU00281 LU00302 LU00886 LU01350 LU01939 LU02006 LU02470 LU02727 LU03032 LU03211 LU03265 R096582 R099558 S000019 S001402 S001818 S004460 S005013 S005503 S006118 S006867 S007812 S008860 S009025 S010043 S011108 S011236 S011476 S011997 S012151 S013151 S013707 S014032 S014501 S014984 S015236 S016195) SUP (AR99558 AS16195 LT00862 LT00863 LT02822 LT03039 LT03353 LU00863 S000295 S011993 S013437 ST00295 ST11993 ST13123 ST13437 ST15158 ST15619 ST15630) CSECT(UTAFUULC,TROUBLE) . CSECT(UTAFUULT,TROUBLE) .

Service	Details
LU03367	LU03367 M.C.S. ENTRIES = ++PTF (LU03367) ABEND CODE=DC2 REASON CODE=4F004820 FOR ENCRYPTED DATASETS PROBLEM DESCRIPTION: Quick Copy for Db2 for z/OS (PQC) may fail while using EXCP NO to create a full image copy of an encrypted tablespace or indexspace. is encrypted. SYMPTOMS: Abend CODE=DC2 REASON CODE=4F004820 IMPACT: The encrypted object cannot be copied. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Quick Copy for Db2 for z/OS VERSION 20.0 Related Problem: PQC 15142 Copyright (C) 2021 CA. All rights reserved. R01705-D200-SP1 DESC (ABEND CODE=DC2 REASON CODE=4F004820 FOR ENCRYPTED DATASETS) . ++VER (Z038) FMID (CINSK00) PRE (LU00135 LU02726 S000016 S004250 S004455 S005011 S006863 S008313 S010389 S011234 S015937) SUP (AL02726 LT02383 LT03367 LU02383) CSECT (PTA@MMTE, #@XFCALR) .

Service	Details
LU03384	LU03384 M.C.S. ENTRIES = ++PTF (LU03384) SDC2-38 WITH IMAGE COPIES, DFSORT, MOWRK PROBLEM DESCRIPTION: Fast Unload for Db2 for z/OS (PFU) abends with the SDC2-38 code under the following conditions: - An image copy is being unloaded. - ORDER BY or ORDER CLUSTER is specified. - DFSORT is being used. - DFSORT's MOWRK parameter is specified. SYMPTOMS: SDC2-38 abend. IMPACT: Processing fails. CIRCUMVENTION: Specify NOMOWRK in DFSPARM DD. PRODUCT(S) AFFECTED: Fast Unload for Db2 for z/OS Version 20.0 Related Problem: PFU 15243 Copyright (C) 2021 CA. All rights reserved. R01706-D200-SP1 DESC(SDC2-38 WITH IMAGE COPIES, DFSORT, MOWRK) . ++VER (Z038) FMID (CPFUK00) PRE (LU00137 LU00217 LU00886 LU01311 LU01939 LU02006 LU03353 R096582 R099558 S000019 S001818 S005013 S006118 S008860 S009025 S011997 S014032 S014501 S014984 S016195) SUP (AR99558 AS16195 LT00862 LT00863 LT03384 LU00863 S000295 S011993 S013437 S016262 ST00295 ST11993 ST13437 ST16262) CSECT(UTAFUULC,TROUBLE) .

Service	Details	
LU03386	LU03386 M.C.S. ENTRIES = ++PTF (LU03386)	
	OVERSTATED STATISTIC FOR INDB2_CPU_AFTER LU01393 APPLIED	
	PROBLEM DESCRIPTION:	
	Detector for Db2 for z/OS (PDT) may overreport INDB2_CPU after PTF LU01393 is applied. The non-DB2 metrics for a stored procedure are being collected as part of the CALL statement. This is over-inflating Detector's INDB2_CPU metrics for stored procedures.	
	SYMPTOMS:	
	INDB2_CPU metrics are over-inflated for stored procedures.	
	IMPACT:	
	The INDB2_CPU metrics for stored procedures are misleading to the user.	
	CIRCUMVENTION:	
	None.	
	PRODUCT(S) AFFECTED:	
	Detector for Db2 for z/OS	Version 20.0
	Related Problem:	
	PDT 15211	
	Copyright (C) 2021 CA. All rights reserved. R01707-D200-SP1	
	DESC(OVERSTATED STATISTIC FOR INDB2_CPU_AFTER LU01393 APPLIED).	
	++VER (Z038)	
	FMID (CPDTK00)	
	PRE (LU00240 LU00329 LU00402 LU00549 LU00684 LU01002	
	LU01215 LU01393 LU01467 LU01542 LU01933 LU02220	
	LU02290 LU02554 LU02706 LU02796 LU02944 LU03093	
	R096168 R096580 R097707 R098429 R099556 R099946	
	S000263 S000423 S003942 S004458 S004757 S006116	
	S006334 S006838 S006865 S007810 S007988 S008129	
	S008323 S008446 S008789 S009065 S009828 S010018	
	S010492 S010538 S010652 S010908 S011694 S011983	
	S012538 S012921 S013450 S013655 S013889 S014338	
	S014680 S015843 S015927 S016113)	
	SUP (LT00307 LT01214 LT01903 LT01956 LT02217 LT03386)	
	++HOLD (LU03386) SYSTEM FMID(CPDTK00)	
	REASON (RESTART) DATE (21309)	
	COMMENT (	
	+-----	

Service	Details
	<pre> 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 DB2 Tools and/or may compromise the operating system/DB2 including possible failures.).</pre>

Service	Details
LU03391	LU03391 M.C.S. ENTRIES = ++PTF (LU03391) SOC4 OR SOC6 ABEND WHEN ANALYZING STRATEGY WITH CLONE TABLE PROBLEM DESCRIPTION: When using RC/Migrator for DB2 for z/OS (RCM) to analyze any strategy which includes a Clone table, the analysis may end with a SOC4 or SOC6 abend if the clone table needs to be dropped. SYMPTOMS: For SOC4: ----- RMA365E ***** RMA365E * * RMA365E * RC/MIGRATOR ANALYSIS ABEND HAS OCCURED * RMA365E * RMA@ESTA GENERAL PURPOSE ESTAE EXIT ENTERED * RMA365E * * RMA365E * ABEND CODE WAS:SOC4. REASON CODE WAS: 00000004 * RMA365E * * RMA365E * ABEND OCCURED IN RC/MIGRATOR MODULE: RML@MGRT * RMA365E * UNABLE TO DETERMINE ABENDING CSECT * RMA365E * MODULE LOAD ADDRESS: 002D1000 * RMA365E * MODULE ENTRY ADDRESS: 0036F138 * RMA365E * MODULE LENGTH: 00139000 * RMA365E * RMA@ESTA GENERAL PURPOSE ESTAE EXIT EXITING * RMA365E * * RMA365E ***** For SOC6: ----- RMA365E ***** RMA365E * * RMA365E * RC/MIGRATOR ANALYSIS ABEND HAS OCCURED * RMA365E * RMA@ESTA GENERAL PURPOSE ESTAE EXIT ENTERED * RMA365E * * RMA365E * ABEND CODE WAS:SOC6. REASON CODE WAS: 00000006 * RMA365E * * RMA365E * RMA@ESTA GENERAL PURPOSE ESTAE EXIT EXITING * RMA365E * * RMA365E ***** IMPACT: The user may not be able to analyze the strategy successfully. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 15232 Copyright (C) 2021 CA. All rights reserved. R01708-D200-SP1 DESC(SOC4 OR SOC6 ABEND WHEN ANALYZING STRATEGY WITH CLONE TABLE). ++VER (Z038) FMID (CINSK00) PRE (LU00446 LU03142 R097704 R099553 S001396 S004455 S004718 S006113 S006638 S006863 S007379 S009105 S010974 S011691 S011966 S012361 S012933 S013154

Service	Details
	S014832 S015804) SUP (LT03391 S009790 S010815 ST09790 ST10815)

Service	Details								
LU03399	LU03399 M.C.S. ENTRIES = ++PTF (LU03399) IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) and Rapid Reorg for Db2 for z/OS (PRR) do not list the option UPDTE-RTS-TABLES in the Options in Effect. 2. The IDCAMS DEFINE CLUSTER command issued by utilities may contain the VOLUMES clause with an empty list of volumes for SMS managed data sets instead of VOLUMES(*) . SYMPTOMS: 1. UPDTE-RTS-TABLES is not displayed in Options in Effect. 2. A DEFINE CLUSTER command similar to the following is generated: <pre> DEFINE CLUSTER (NAME(V11.DSNDBC.DPERLBG1.XH31M42P.J0001.A001) - DATACLASS(DCDB2PVE) - MANAGEMENTCLASS(MCDB2PV) - STORAGECLASS(SCDB2PV) - LINEAR REUSE SPEED SHAREOPTIONS(3 3)) - DATA (NAME(V11.DSNDBD.DPERLBG1.XH31M42P.J0001.A001) - CYLINDERS(000000001,000000001) - CONTROLINTERVALSIZE(000004096) - VOLUMES(.....))</pre> IMPACT: 1. There is no way to determine from the job output what value was used for UPDTE-RTS-TABLES. 2. None, the empty VOLUMES clause is currently ignored by IDCAMS. CIRCUMVENTION: 1. None 2. None PRODUCT(S) AFFECTED: <table> <tr> <td>DBM Solutions for Db2 for z/OS Utilities Common</td><td>Version 20.0</td></tr> <tr> <td>Fast Load for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Recover for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Rapid Reorg for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PUT 15237 Copyright (C) 2021 CA. All rights reserved. R01709-D200-SP1 DESC(IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE) . ++VER (Z038) FMID (CPFLK00) PRE (LU03191 R096581 R097708 S000018 S000704 S001656 S007170 S008071 S008428 S009977 S010195 S011996 S012150 S012275 S012526 S013097 S014772) SUP (LT03399) ++IF FMID(CPRRK00) REQ(LU03400) . ++IF FMID(CPUTK00) REQ(LU03401) .	DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0	Fast Load for Db2 for z/OS	Version 20.0	Fast Recover for Db2 for z/OS	Version 20.0	Rapid Reorg for Db2 for z/OS	Version 20.0
DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0								
Fast Load for Db2 for z/OS	Version 20.0								
Fast Recover for Db2 for z/OS	Version 20.0								
Rapid Reorg for Db2 for z/OS	Version 20.0								

Service	Details								
LU03400	LU03400 M.C.S. ENTRIES = ++PTF (LU03400) IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) and Rapid Reorg for Db2 for z/OS (PRR) do not list the option UPDTE-RTS-TABLES in the Options in Effect. 2. The IDCAMS DEFINE CLUSTER command issued by utilities may contain the VOLUMES clause with an empty list of volumes for SMS managed data sets instead of VOLUMES(*) . SYMPTOMS: 1. UPDTE-RTS-TABLES is not displayed in Options in Effect. 2. A DEFINE CLUSTER command similar to the following is generated: <pre> DEFINE CLUSTER (NAME(V11.DSNDBC.DPERLBG1.XH31M42P.J0001.A001) - DATACLASS(DCDB2PVE) - MANAGEMENTCLASS(MCDB2PV) - STORAGECLASS(SCDB2PV) - LINEAR REUSE SPEED SHAREOPTIONS(3 3)) - DATA (NAME(V11.DSNDBD.DPERLBG1.XH31M42P.J0001.A001) - CYLINDERS(000000001,000000001) - CONTROLINTERVALSIZE(000004096) - VOLUMES(.....))</pre> IMPACT: 1. There is no way to determine from the job output what value was used for UPDTE-RTS-TABLES. 2. None, the empty VOLUMES clause is currently ignored by IDCAMS. CIRCUMVENTION: 1. None 2. None PRODUCT(S) AFFECTED: <table> <tr> <td>DBM Solutions for Db2 for z/OS Utilities Common</td><td>Version 20.0</td></tr> <tr> <td>Fast Load for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Recover for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Rapid Reorg for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PUT 15237 Copyright (C) 2021 CA. All rights reserved. R01709-D200-SP1 DESC(IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE) . ++VER (Z038) FMID (CPRRK00) PRE (R096588 R098968 S000023 S000846 S001658 S006609 S008379 S009905 S011222 S011998 S012152 S012277 S012528) SUP (LT03400) ++IF FMID(CPUTK00) REQ(LU03401) . ++IF FMID(CPFLK00) REQ(LU03399) .	DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0	Fast Load for Db2 for z/OS	Version 20.0	Fast Recover for Db2 for z/OS	Version 20.0	Rapid Reorg for Db2 for z/OS	Version 20.0
DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0								
Fast Load for Db2 for z/OS	Version 20.0								
Fast Recover for Db2 for z/OS	Version 20.0								
Rapid Reorg for Db2 for z/OS	Version 20.0								

Service	Details								
LU03401	LU03401 M.C.S. ENTRIES = ++PTF (LU03401) IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) and Rapid Reorg for Db2 for z/OS (PRR) do not list the option UPDTE-RTS-TABLES in the Options in Effect. 2. The IDCAMS DEFINE CLUSTER command issued by utilities may contain the VOLUMES clause with an empty list of volumes for SMS managed data sets instead of VOLUMES(*) . SYMPTOMS: 1. UPDTE-RTS-TABLES is not displayed in Options in Effect. 2. A DEFINE CLUSTER command similar to the following is generated: <pre> DEFINE CLUSTER (NAME(V11.DSNDBC.DPERLBG1.XH31M42P.J0001.A001) - DATACLASS(DCDB2PVE) - MANAGEMENTCLASS(MCDB2PV) - STORAGECLASS(SCDB2PV) - LINEAR REUSE SPEED SHAREOPTIONS(3 3)) - DATA (NAME(V11.DSNDBD.DPERLBG1.XH31M42P.J0001.A001) - CYLINDERS(000000001,000000001) - CONTROLINTERVALSIZE(000004096) - VOLUMES(.....))</pre> IMPACT: 1. There is no way to determine from the job output what value was used for UPDTE-RTS-TABLES. 2. None, the empty VOLUMES clause is currently ignored by IDCAMS. CIRCUMVENTION: 1. None 2. None PRODUCT(S) AFFECTED: <table> <tr> <td>DBM Solutions for Db2 for z/OS Utilities Common</td><td>Version 20.0</td></tr> <tr> <td>Fast Load for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Recover for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Rapid Reorg for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PUT 15237 Copyright (C) 2021 CA. All rights reserved. R01709-D200-SP1 DESC(IDCAMS VOLUMES CLAUSE FOR SMS, UPDTE-RTS-TABLES IN OIE) . ++VER (Z038) FMID (CPUTK00) PRE (S000024 S004469 S006874 S007820 S011999 S012153) SUP (LT03401 S009135 ST09135) ++IF FMID(CPRRK00) REQ(LU03400) . ++IF FMID(CPFLK00) REQ(LU03399) .	DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0	Fast Load for Db2 for z/OS	Version 20.0	Fast Recover for Db2 for z/OS	Version 20.0	Rapid Reorg for Db2 for z/OS	Version 20.0
DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0								
Fast Load for Db2 for z/OS	Version 20.0								
Fast Recover for Db2 for z/OS	Version 20.0								
Rapid Reorg for Db2 for z/OS	Version 20.0								

Service	Details
LU03406	LU03406 M.C.S. ENTRIES = ++PTF (LU03406) SOC4 ABENDS MAY OCCUR RESULTING IN THE DB2 COMING DOWN PROBLEM DESCRIPTION: Detector for Db2 for z/OS (PDT) collection intercept code may abend when executing on allied threads. In certain scenarios, the recovery routine attempts to return to RTM but it has a bad return address, which results in a SOC4-10 abend. The Db2 subsystem may crash. SYMPTOMS: A SOC4-10 abend will occur in an allied or Db2 address space. The Db2 DBM1 address space may capture a dump for the SOC4 abend and then issue the following message: *DSNV086E :DS82 DB2 ABNORMAL TERMINATION REASON=00E50702 If the SOC4 dump is captured in an allied or Db2 address space, the PSW address at the time of error will match the lower half of general purpose register 5. The Db2 Master address space may abend with a S04F, issue the following message, and then shut down. IEF450I DS82MSTR DS82MSTR - ABEND=S04F U0000 REASON=00000000 TIME=16.43.01 IMPACT: Allied threads abend and DB2 may crash. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 15162 Copyright (C) 2021 CA. All rights reserved. R01710-D200-SP1 DESC(SOC4 ABENDS MAY OCCUR RESULTING IN THE DB2 COMING DOWN). ++VER (Z038) FMID (CPDTK00) PRE (LU00240 LU00329 LU00402 LU00549 LU00684 LU01002 LU01215 LU01393 LU01467 LU01542 LU01933 LU02220 LU02290 LU02554 LU02706 LU02796 LU02944 LU03093 R096168 R096580 R097707 R098429 R099556 R099946 S000263 S000423 S003942 S004458 S004757 S006116 S006334 S006838 S006865 S007810 S007988 S008129 S008323 S008446 S008789 S009065 S009828 S010018 S010492 S010538 S010652 S010908 S011694 S011983 S012538 S012921 S013450 S013655 S013889 S014338 S014680 S015843 S015927 S016113) SUP (LT00307 LT01214 LT01903 LT01956 LT02217 LT03386 LT03406 LU03386) ++HOLD (LU03406) SYSTEM FMID(CPDTK00) REASON (RESTART) DATE (21312) COMMENT (+-----+ Detector for Db2 for z/OS Version 20.0 +-----+ SEQUENCE Before Apply +-----+ PURPOSE Avoidance of module mismatch related errors in an Xmanager

Service	Details
	<pre> +-----+-----+ 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. 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 DB2 Tools and/or may compromise the operating system/DB2 including possible failures.).</pre>

Service	Details				
LU03417	LU03417 M.C.S. ENTRIES = ++PTF (LU03417) MAINFRAME TEAM CENTER ADD COLUMN HYPERLINKS AND BREADCRUMBS ENHANCEMENT DESCRIPTION: The Administration and Performance functions in the Mainframe Team Center - Database Management for Db2 for z/OS user interface for the Database Management Solutions for Db2 for z/OS have been enhanced as follows: * Hyperlinks have been added to some report columns so that you can open dependent reports more easily. * Breadcrumbs are now included in the Administration function so that you can navigate quickly between the displayed data. The following additional enhancements have been made to the Performance function: * SQL statement text is now displayed in tab format instead of as a separate pop-up dialog. * SQLCODE details are now refreshed in the same tab. Additional enhancements have been made to introduce additional consistencies between the Administration and Performance functions. This PTF also contains bug fixes, dependency upgrades and stability improvements. PRODUCT(S) AFFECTED: <table> <tr> <td>Detector for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Database Management Solutions for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PDT 13639 Copyright (C) 2021 CA. All rights reserved. R01711-D200-SP1 DESC(MAINFRAME TEAM CENTER ADD COLUMN HYPERLINKS AND BREADCRUMBS). ++VER (Z038) FMID (CINSK00) PRE (S001396 S007807 S008825 S010061 S012323 S013484) SUP (LT03417 S014168 S014491 S015122 ST11667 ST14168 ST14491 ST15122) LINK('..PDT/ui/mtc-dbm.war') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(PDTAAMKD,PRE).	Detector for Db2 for z/OS	Version 20.0	Database Management Solutions for Db2 for z/OS	Version 20.0
Detector for Db2 for z/OS	Version 20.0				
Database Management Solutions for Db2 for z/OS	Version 20.0				

Service	Details
LU03435	LU03435 M.C.S. ENTRIES = ++PTF (LU03435) ABEND SOC4 WHEN THE EXCEPTION SYSTEM IS STOPPED PROBLEM DESCRIPTION: The SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) data collector may abend when the exception is triggered while the exception system is being stopped. A new message is written to DBGPRINT when the exception system is restarted: DBG72046I EXCEPTION PROCESSOR IS BEING RESTARTED SYMPTOMS: An abend SOC4 appears in the data collector after messages: DBG72001I SUBSYSTEM EXCEPTION ROUTINE HAS ENDED DBG72003E BEGINNING ESTAE ROUTINE PROCESSING IMPACT: The data collector terminates and needs to be started again. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 15024 Copyright (C) 2021 CA. All rights reserved. R01713-D200-SP1 DESC(ABEND SOC4 WHEN THE EXCEPTION SYSTEM IS STOPPED). ++VER (Z038) FMID (CIDBK00) PRE (LU00253 LU00282 LU00299 LU00545 LU00697 LU01041 LU01164 LU01175 LU01977 LU02033 LU02096 LU02118 LU02340 LU02634 LU02642 LU02646 LU02708 LU02829 LU03091 LU03195 LU03348 R096575 R099552 S001395 S004454 S006112 S006862 S007806 S008279 S008846 S009556 S010160 S010906 S011616 S012769 S013557 S013891 S014099 S014164 S014389 S014754 S015070 S015647 S015931 S016116 S016200 S016300) SUP (LT02439 LT02606 LT03435 LU02439) CSECT(AMXSSXPC,AMXSSXPM,ESTAERTN,POSTME) .

Service	Details
LU03437	LU03437 M.C.S. ENTRIES = ++PTF (LU03437) PRODUCT AUTHORIZATION DOES NOT SAVE OPTIONS FOR A USER PROBLEM DESCRIPTION: In RC/Update for Db2 for z/OS (RCU), the user options defined under 'Product Authorizations' for RC/Update are not preserved for the user. These options are accessed as follows: > Go to Product Authorizations > Enter 'E' next to RC/Update > Enter a 'To' and 'From' ID > Enter 'Y' on Auth, the authorizations for the user are displayed SYMPTOMS: Restricting a users access to RCU subcomponents via Product Authorization does not work. IMPACT: Authorization options are not applied to the user . CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Update for Db2 for z/OS Version 20.0 Related Problem: RCU 15194 Copyright (C) 2021 CA. All rights reserved. R01714-D200-SP1 DESC(PRODUCT AUTHORIZATION DOES NOT SAVE OPTIONS FOR A USER) . ++VER (Z038) FMID (CRCUK00) PRE (R099571 S006877 S013112) SUP (LT03437) CSECT(RUARADDT,RUXRADDT) .

Service	Details
LU03443	LU03443 M.C.S. ENTRIES = ++PTF (LU03443) ABEND SA03 IN PMM DURING MERGECOPY PROBLEM DESCRIPTION: Merge/Modify for Db2 for z/OS (PMM) may abend with an SA03 under the following conditions: - MERGECOPY is specified with COPY YES and COPY-IMAGE-COPY options. - The new full image copy dataset that is specified in COPYDDN is already registered in SYSCOPY. SYMPTOMS: An SA03 abend occurs and the following error message is issued: PQC0098E DUPLICATE DATASET FOUND: dataset-name IMPACT: PMM may abend before releasing all its allocated memory. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Merge/Modify for Db2 for z/OS Version 20.0 Related Problem: PMM 15218 Copyright (C) 2021 CA. All rights reserved. R01715-D200-SP1 DESC (ABEND SA03 IN PMM DURING MERGECOPY) . ++VER (Z038) FMID (CUGRK00) PRE (S000029 S000201 S001660 S009903) SUP (LT03443)

Service	Details
LU03453	LU03453 M.C.S. ENTRIES = ++PTF (LU03453) FIXING LOAD CONTROL CARDS FOR AUDIT_DDL_DETAIL TABLE PROBLEM DESCRIPTION: SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) has an incorrect load control statement for the AUDIT_DDL_DETAIL archive table. SYMPTOMS: Fields starting with the TABLE_OWNER_TYPE column are not readable. IMPACT: The user cannot use several fields in the AUDIT_DDL_DETAIL archive table. CIRCUMVENTION: Manually add the POSITION(1575) statement to the TABLE_OWNER_TYPE load statement in ARCLDDL. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for DB2 for z/OS Version 20. 0 Related Problem: IDB2 14851 Copyright (C) 2021 CA. All rights reserved. R01716-D200-SP1 DESC(FIXING LOAD CONTROL CARDS FOR AUDIT_DDL_DETAIL TABLE). ++VER (Z038) FMID (CIDBK00) PRE (R096575 S004454) SUP (LT03453) ++HOLD (LU03453) SYSTEM FMID(CIDBK00) REASON (ACTION) DATE (21320) COMMENT (<pre> +-----+ SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 +-----+-----+ +-----+-----+ SEQUENCE After Apply +-----+-----+ +-----+-----+ PURPOSE Enhancement +-----+-----+ +-----+-----+ USERS All users of the Archive component AFFECTED +-----+-----+ +-----+-----+ KNOWLEDGE DB2 Tools Post Install REQUIRED +-----+-----+ +-----+-----+ ACCESS Post Install customization libraries REQUIRED +-----+-----+ +-----+-----+ ***** * STEPS TO PERFORM * </pre> ***** * STEPS TO PERFORM *

Service	Details
	***** 1. Re-execute the DB2 Tools Post Install dialog. 2. Locate all of the copies of the ARCLDDLD member that are used in the archiving process. For every copy perform one of the following actions: - if the AUDIT_DDL_DETAIL table and the ARCLDDLD member were not customized replace the 'TABLE_OWNER_TYPE CHAR(1)' load statement with 'TABLE_OWNER_TYPE POSITION(1575) CHAR(1)'; - if the AUDIT_DDL_DETAIL table and the ARCLDDLD member were customized by the user replace the 'TABLE_OWNER_TYPE CHAR(1)' statement with 'TABLE_OWNER_TYPE POSITION(XXXX) CHAR(1)' where XXXX in the POSITION parameter is calculated by the user taking into account their changes that were made in the member.).

Service	Details
LU03455	LU03455 M.C.S. ENTRIES = ++PTF (LU03455) HANDLE DEPRECATED DB2 FIELDS IN ARCHIVE UNLOAD PROBLEM DESCRIPTION: The SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) archive unload incorrectly handles deprecated DB2 fields. These fields are not properly converted to the desired output format. SYMPTOMS: The DB2 LOAD step of the archiving process discards records and issues a DSNU310I message with ERROR CODE '04 - INPUT PACKED DECIMAL IS IN ERROR' IMPACT: The user cannot populate archive tables. CIRCUMVENTION: Manually update the ARCI* IQL requests and ARCL* load statements to remove the values listed in the DSNU310I message. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 15242 Copyright (C) 2021 CA. All rights reserved. R01717-D200-SP1 DESC (HANDLE DEPRECATED DB2 FIELDS IN ARCHIVE UNLOAD) . ++VER (Z038) FMID (CIDBK00) PRE (LU01030 LU03286 LU03348 R096575 R099552 S000077 S001395 S004454 S006112 S006862 S008846 S009519 S010906 S011977 S015254) SUP (LT03455) CSECT(NFSUMC,NFSUM) .

Service	Details
LU03461	LU03461 M.C.S. ENTRIES = ++PTF (LU03461) The following items are included in this solution: 1. PDT0172 COLLECTION TERMINATES DUE TO HIGH G-COMMON USAGE 2. DB2 TERMINATES AT END OF MEMORY ===== PDT0172 COLLECTION TERMINATES DUE TO HIGH G-COMMON USAGE PROBLEM DESCRIPTION: Detector for Db2 for z/OS (PDT) collection may terminate with high G-COMMON usage, as both G-COMMON and ECSA may creep up over time. SYMPTOMS: The collection terminates with the following message: PDT0172 DETECTOR COLLECTION TERMINATING DUE TO HIGH G_COMMON USAGE IMPACT: The collection terminates and restarts. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 15059 ===== DB2 TERMINATES AT END OF MEMORY PROBLEM DESCRIPTION: Detector for Db2 for z/OS (PDT) collection may put extra elements in the FRR stack, which eventually causes allied or Db2 address spaces to terminate at end of memory. This problem occurs following the application of LU02944. SYMPTOMS: The impacted address space will issue the following message: xxxxxxx TERMINATED AT END OF MEMORY IMPACT: The Db2 address space or allied address space terminates at end of memory. CIRCUMVENTION: This problem can be circumvented by specifying the following value on the DETECTOR Start Collection Display: Triggered SQL ==> N (Y/N) PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 15260 Copyright (C) 2021 CA. All rights reserved. R01718-D200-SP1 DESC(PDT0172 COLLECTION TERMINATES DUE TO HIGH G-COMMON USAGE). ++VER (Z038) FMID (CPDTK00) PRE (LU00124 LU00240 LU00329 LU00402 LU00524 LU00549 LU00684 LU00768 LU00938 LU01002 LU01215 LU01393 LU01467 LU01542 LU01933 LU02220 LU02290 LU02554 LU02706 LU02796 LU02944 LU03093 R096168 R096580 R097707 R098429 R099556 R099946 S000263 S000423 S001400 S003942 S004458 S004757 S006116 S006334

Service	Details
	S006838 S006865 S007810 S007988 S008129 S008323 S008446 S008789 S009065 S009811 S009828 S010018 S010492 S010521 S010538 S010652 S010908 S011694 S011983 S012131 S012429 S012538 S012921 S013450 S013655 S013889 S014338 S014397 S014680 S014782 S015843 S015927 S016113 S016174) SUP (AL02944 LT00307 LT01214 LT01903 LT01956 LT02217 LT03386 LT03406 LT03419 LT03461 LU03386 LU03406 ST10536) ++HOLD (LU03461) SYSTEM FMID(CPDTK00) REASON (RESTART) DATE (21316) COMMENT (+-----+ Detector for Db2 for z/OS Version 20.0 +-----+ SEQUENCE Before Apply +-----+ PURPOSE Avoidance of module mismatch related errors in an Xmanager +-----+ USERS Collections of DB2 statistics via Detector or Subsystem AFFECTED Analyzer. DB2 subsystems that have active collections. +-----+ KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. 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 DB2 Tools and/or may compromise the operating system/DB2 including possible failures.).

Service	Details
LU03463	LU03463 M.C.S. ENTRIES = ++PTF (LU03463) ABEND U2D4 IN PXMZMBCC PROBLEM DESCRIPTION: The Execution Manager (Xmanager) for Db2 for z/OS (PXM) may incur a U2D4 abend in LMOD PXMZMBCC when it starts up. SYMPTOMS: The Xmanager log contains the PXM0811 message with the U2D4 abend specified: PXM0811 PSW: ##### LMOD: PXMZMBCC OFFSET: ##### ABEND: U2D4 IMPACT: The Xmanager intermittently incurs an abend and fails to start. CIRCUMVENTION: Restart the Xmanager. PRODUCT(S) AFFECTED: DBM Solutions for Db2 for z/OS Base Install

Service	Details
	Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with DB2 Tools and/or may compromise the operating system/DB2 including possible failures.).

Service	Details
LU03492	LU03492 M.C.S. ENTRIES = ++PTF (LU03492) FAILED REPORT JOB HANGS WHEN LOG EXTRACT FILE IS NOT USED. PROBLEM DESCRIPTION: Log Analyzer for Db2 for z/OS job that bypasses the extract file may hang after an abend. SYMPTOMS: Job control cards contain keyword EXTRACT=(NO) and job log contains abend information but the job itself hangs. IMPACT: Job is not terminated. CIRCUMVENTION: Run the job using an extract file with the control card EXTRACT=(FILTER). PRODUCT(S) AFFECTED: Log Analyzer for DB2 for z/OS Version 20.0 Related Problem: PLA 14870 Copyright (C) 2021 CA. All rights reserved. R01722-D200-SP1 DESC(FAILED REPORT JOB HANGS WHEN LOG EXTRACT FILE IS NOT USED.). ++VER (Z038) FMID (CPLAK00) PRE (LU00132 LU00759 LU00882 LU00940 LU01538 LU01950 LU01985 LU02979 LU03228 LU03250 R096583 R097709 R099559 S000975 S004245 S004461 S008802 S010677 S011113 S011669 S012889 S015064) SUP (LT03492)

Service	Details
LU03500	LU03500 M.C.S. ENTRIES = ++PTF (LU03500) LOG ANALYZER LICENSE PROCESSING PROBLEM DESCRIPTION: Log Analyzer for Db2 for z/OS license processing update. SYMPTOMS: None. IMPACT: None. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Release 20.0 Related Problem: PLA 15238 Copyright (C) 2021 CA. All rights reserved. R01724-D200-SP1 DESC (LOG ANALYZER LICENSE PROCESSING). ++VER (Z038) FMID (CPLAK00) PRE (S000975 S004245 S008802 S011669) SUP (LT03500)

Service	Details
LU03519	LU03519 M.C.S. ENTRIES = ++PTF (LU03519) SQLCODE 100 AFTER TERM CA UTIL WITH WILDCARDS PROBLEM DESCRIPTION: Command -TERM CA UTIL with wildcarding may result in an SQLCODE 100 and message PUT0037E. SYMPTOMS: The following SQL error messages are displayed in the Batch Processor output: DSNT404I SQLCODE = 100, NOT FOUND: ROW NOT FOUND FOR FETCH, UPDATE, OR DELETE, OR THE RESULT OF A QUERY IS AN EMPTY TABLE DSNT418I SQLSTATE = 02000 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSNXRSDL SQL PROCEDURE DETECTING ERROR DSNT416I SQLERRD = -160 0 0 -1 0 0 SQL DIAGNOSTIC INFORMATION DSNT416I SQLERRD = X'FFFFFFF60' X'00000000' X'00000000' X'FFFFFFF' X'00000000' X'00000000' SQL DIAGNOSTIC INFORMATION Followed by message: PUT0037E - Restart Table access error - SQL Error Code: -100 Internal Function Code: 1D1 IMPACT: The cleanup for the utilities is not performed. CIRCUMVENTION: Execute -TERM CA UTIL commands for the individual utilities instead of the wildcards. PRODUCT(S) AFFECTED: DBM Solutions for Db2 for z/OS Utilities Common Version 20.0 Related Problem: PUT 15321 Copyright (C) 2021 CA. All rights reserved. R01725-D200-SP1 DESC(SQLCODE 100 AFTER TERM CA UTIL WITH WILDCARDS). ++VER (Z038) FMID (CPUTK00) PRE (S000024 S011604 S011999 S012153) SUP (LT03519)

Service	Details
LU03520	LU03520 M.C.S. ENTRIES = ++PTF (LU03520) RECOVERY ESTIMATOR SUPPORT FL508 ICTYPE='A' TTYPE='M' ENHANCEMENT DESCRIPTION: Recovery Estimator can estimate the recovery of objects with FL508 ICTYPE='A' and TTYPE='M' SYSCOPY records. If the specified recovery PIT is before ICTYPE='A' and TTYPE='M', the objects are reported as unrecoverable. PRODUCT(S) AFFECTED: DBM Solutions for Db2 for z/OS Base Install Version 20.0 Related Problem: INS 15245 Copyright (C) 2021 CA. All rights reserved. R01726-D200-SP1 DESC(RECOVERY ESTIMATOR SUPPORT FL508 ICTYPE='A' TTYPE='M'). ++VER (Z038) FMID (CINSK00) PRE (LU00227 LU01178 LU01405 LU01673 LU01696 LU02061 LU02117 LU02197 LU02363 LU02609 S015311 S015864) SUP (LT01643 LT02060 LT03520) ++HOLD (LU03520) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (21327) COMMENT (<pre> +-----+ DB2 Common Components Version 20.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Bind Plans and Packages +-----+-----+ USERS AFFECTED All Users +-----+-----+ KNOWLEDGE REQUIRED DB2 Tools Post Install Customization. +-----+-----+ ACCESS 1. DB2 Tools Post Install REQUIRED 2. BIND, SYSADM or SYSCNTL on DB2 subsystem. +-----+-----+ ***** * STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the Database Management Solutions for DB2 for z/OS on https://techdocs.broadcom.com for more information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If SYSVIEW for DB2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.).</pre>

Service	Details										
LU03577	LU03577 M.C.S. ENTRIES = ++PTF (LU03577) PRODUCT LICENSE PROCESSING ENHANCEMENT DESCRIPTION: We have updated our product license processing. PRODUCT(S) AFFECTED: <table> <tr> <td>DBM Solutions for Db2 for z/OS Utilities Common</td><td>Version 20.0</td></tr> <tr> <td>Fast Load for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Unload for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Index for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Check for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PUT 15267 Copyright (C) 2021 CA. All rights reserved. R01727-D200-SP1 DESC (PRODUCT LICENSE PROCESSING) . ++VER (Z038) FMID (CPFLK00) PRE (LU01720 LU02243 LU03191 R096581 R097708 S000018 S000704 S001656 S004275 S004459 S007170 S007811 S008428 S009024 S010195 S011996 S012128 S012150 S012275 S012526 S013097 S013203 S013765 S014772 S015312 S016089) SUP (LT03577 ST15281 ST15288) ++IF FMID(CPFUK00) REQ(LU03578) . ++IF FMID(CPUTK00) REQ(LU03579) . ++IF FMID(CUGRK00) REQ(LU03580) .	DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0	Fast Load for Db2 for z/OS	Version 20.0	Fast Unload for Db2 for z/OS	Version 20.0	Fast Index for Db2 for z/OS	Version 20.0	Fast Check for Db2 for z/OS	Version 20.0
DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0										
Fast Load for Db2 for z/OS	Version 20.0										
Fast Unload for Db2 for z/OS	Version 20.0										
Fast Index for Db2 for z/OS	Version 20.0										
Fast Check for Db2 for z/OS	Version 20.0										

Service	Details										
LU03578	LU03578 M.C.S. ENTRIES = ++PTF (LU03578) PRODUCT LICENSE PROCESSING ENHANCEMENT DESCRIPTION: We have updated our product license processing. PRODUCT(S) AFFECTED: <table> <tr> <td>DBM Solutions for Db2 for z/OS Utilities Common</td><td>Version 20.0</td></tr> <tr> <td>Fast Load for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Unload for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Index for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Check for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PUT 15267 Copyright (C) 2021 CA. All rights reserved. R01727-D200-SP1 DESC (PRODUCT LICENSE PROCESSING) . ++VER (Z038) FMID (CPFUK00) PRE (LU03232 R099558 S000019 S001402 S004460 S014984 S016195) SUP (LT03578) ++IF FMID(CPUTK00) REQ(LU03579) . ++IF FMID(CUGRK00) REQ(LU03580) . ++IF FMID(CPFLK00) REQ(LU03577) .	DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0	Fast Load for Db2 for z/OS	Version 20.0	Fast Unload for Db2 for z/OS	Version 20.0	Fast Index for Db2 for z/OS	Version 20.0	Fast Check for Db2 for z/OS	Version 20.0
DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0										
Fast Load for Db2 for z/OS	Version 20.0										
Fast Unload for Db2 for z/OS	Version 20.0										
Fast Index for Db2 for z/OS	Version 20.0										
Fast Check for Db2 for z/OS	Version 20.0										

Service	Details										
LU03579	LU03579 M.C.S. ENTRIES = ++PTF (LU03579) PRODUCT LICENSE PROCESSING ENHANCEMENT DESCRIPTION: We have updated our product license processing. PRODUCT(S) AFFECTED: <table> <tr> <td>DBM Solutions for Db2 for z/OS Utilities Common</td><td>Version 20.0</td></tr> <tr> <td>Fast Load for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Unload for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Index for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Check for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PUT 15267 Copyright (C) 2021 CA. All rights reserved. R01727-D200-SP1 DESC (PRODUCT LICENSE PROCESSING) . ++VER (Z038) FMID (CPUTK00) PRE (LU03234 R098969 S000024 S001659 S011999 S012153 S012278 S012529 S015314) SUP (LT03579) ++IF FMID(CPFUK00) REQ(LU03578) . ++IF FMID(CUGRK00) REQ(LU03580) . ++IF FMID(CPFLK00) REQ(LU03577) .	DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0	Fast Load for Db2 for z/OS	Version 20.0	Fast Unload for Db2 for z/OS	Version 20.0	Fast Index for Db2 for z/OS	Version 20.0	Fast Check for Db2 for z/OS	Version 20.0
DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0										
Fast Load for Db2 for z/OS	Version 20.0										
Fast Unload for Db2 for z/OS	Version 20.0										
Fast Index for Db2 for z/OS	Version 20.0										
Fast Check for Db2 for z/OS	Version 20.0										

Service	Details										
LU03580	LU03580 M.C.S. ENTRIES = ++PTF (LU03580) PRODUCT LICENSE PROCESSING ENHANCEMENT DESCRIPTION: We have updated our product license processing. PRODUCT(S) AFFECTED: <table> <tr> <td>DBM Solutions for Db2 for z/OS Utilities Common</td><td>Version 20.0</td></tr> <tr> <td>Fast Load for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Unload for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Index for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Check for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PUT 15267 Copyright (C) 2021 CA. All rights reserved. R01727-D200-SP1 DESC (PRODUCT LICENSE PROCESSING) . ++VER (Z038) FMID (CUGRK00) PRE (S000029) SUP (LT03580) ++IF FMID(CPFUK00) REQ(LU03578) . ++IF FMID(CPUTK00) REQ(LU03579) . ++IF FMID(CPFLK00) REQ(LU03577) .	DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0	Fast Load for Db2 for z/OS	Version 20.0	Fast Unload for Db2 for z/OS	Version 20.0	Fast Index for Db2 for z/OS	Version 20.0	Fast Check for Db2 for z/OS	Version 20.0
DBM Solutions for Db2 for z/OS Utilities Common	Version 20.0										
Fast Load for Db2 for z/OS	Version 20.0										
Fast Unload for Db2 for z/OS	Version 20.0										
Fast Index for Db2 for z/OS	Version 20.0										
Fast Check for Db2 for z/OS	Version 20.0										

Service	Details
LU03601	LU03601 M.C.S. ENTRIES = ++PTF (LU03601) SOC4-11 IN SA\$CIDC2 DURING COLLECTION TERMINATION PROBLEM DESCRIPTION: CA Subsystem Analyzer for DB2 for z/OS (PSA) may abend with a SOC4-11 in SA\$CIDC2 when the collection is being terminated. SYMPTOMS: A dump will be captured in the Db2's DBM1 address space while the collection of PSA is terminating. IMPACT: None. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Subsystem Analyzer for DB2 for z/OS Version 20.0 Related Problem: PSA 13947 Copyright (C) 2021 CA. All rights reserved. R01728-D200-SP1 DESC(SOC4-11 IN SA\$CIDC2 DURING COLLECTION TERMINATION). ++VER (Z038) FMID (CPSAK00) PRE (LU01543 LU01990 R097716 R098430 S000871 S004468 S006335 S008190 S009267 S010867 S011695 S012926 S014681 S016175) SUP (LT01652 LT01732 LT03601 LU01732 S001635 ST01635 ST09266 ST10535 ST10810 ST10863 ST10905 ST13777 TR97538 TR98368) ++HOLD (LU03601) SYSTEM FMID(CPSAK00) REASON (RESTART) DATE (21333) COMMENT (<pre> +-----+ Subsystem Analyzer for Db2 for z/OS Version 20.0 +-----+-----+ SEQUENCE Before Apply +-----+-----+ PURPOSE Avoidance of module mismatch related errors in an Xmanager +-----+-----+ USERS Collections of Db2 statistics via Detector or Subsystem AFFECTED Analyzer. Db2 subsystems that have active collections. +-----+-----+ KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. Db2 Tools Installation and Maintenance procedures. +-----+-----+ ACCESS 1. Product runtime libraries. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. </pre>

Service	Details
	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 Db2 Tools and/or may compromise the operating system/Db2 including possible failures.).

Service	Details
LU03629	LU03629 M.C.S. ENTRIES = ++PTF (LU03629) SECURITY OR INTEGRITY PROBLEM PROBLEM DESCRIPTION: Security or Integrity Problem. SYMPTOMS: N/A IMPACT: Security or Integrity Problem. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: DB2 Common Components Version 20.0 Related Problem: INS 15433 Copyright (C) 2021 CA. All rights reserved. R01732-D200-SP1 DESC (SECURITY OR INTEGRITY PROBLEM) . ++VER (Z038) FMID (CINSK00) PRE (LU01610 LU02808 S001396 S006978 S008825 S010061 S011373 S013484 S014401) SUP (AL02808 LT03629 S011679 ST11679) LINK ('../PXM/ds/dbm-ds.war') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(PXMDSSMP,PRE) .

Service	Details
LU03666	LU03666 M.C.S. ENTRIES = ++PTF (LU03666) A SOC4 OCCURS WHEN CREATING OR EDITING AN EXTERNAL KEY FILE PROBLEM DESCRIPTION: In RC/Extract for DB2 for z/OS (RCX), a SOC4 abend occurs after creating or updating the source definition of an extract which includes a key file. SYMPTOMS: The following messages and abend occur when exiting the product panels. IRX0250E System abend code SOC4, reason code 00000016. IRX0255E Abend in host command ISPEXEC or address environment routine TSO. IMPACT: Unable to Create or Edit an External Key File. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Extract for DB2 for z/OS Version 20.0 Related Problem: RCX 15444 Copyright (C) 2021 CA. All rights reserved. R01736-D200-SP1 DESC(A SOC4 OCCURS WHEN CREATING OR EDITING AN EXTERNAL KEY FILE). ++VER (Z038) FMID (CINSK00) PRE (R099553 S006638 S011078 S015980) SUP (LT01494 LT03666 LU01494 S013075 ST13075) ++IF FMID(CRCUK00) REQ(LU03667) .

Service	Details
LU03667	LU03667 M.C.S. ENTRIES = ++PTF (LU03667) A SOC4 OCCURS WHEN CREATING OR EDITING AN EXTERNAL KEY FILE PROBLEM DESCRIPTION: In RC/Extract for DB2 for z/OS (RCX), a SOC4 abend occurs after creating or updating the source definition of an extract which includes a key file. SYMPTOMS: The following messages and abend occur when exiting the product panels. IRX0250E System abend code SOC4, reason code 00000016. IRX0255E Abend in host command ISPEXEC or address environment routine TSO. IMPACT: Unable to Create or Edit an External Key File. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Extract for DB2 for z/OS Version 20.0 Related Problem: RCX 15444 Copyright (C) 2021 CA. All rights reserved. R01736-D200-SP1 DESC(A SOC4 OCCURS WHEN CREATING OR EDITING AN EXTERNAL KEY FILE). ++VER (Z038) FMID (CRCUK00) PRE (LU03437 R099571 S006877 S013112) SUP (LT03667) ++IF FMID(CINSK00) REQ(LU03666) . CSECT(RUARADDT,RUXRADDT) .

Service	Details
LU03673	LU03673 M.C.S. ENTRIES = ++PTF (LU03673) SQL TEXT CAPTURE EXPLAIN -199 WHEN STATEMENT INELIGIBLE PROBLEM DESCRIPTION: The SYSVIEW Performance Management Option for Db2 for z/OS (IDB2) exception processor may be configured to capture SQL text for long-running SQL statements, and perform an EXPLAIN. If the long-running statement is not eligible to be EXPLAINED (CREATE or ALTER, for example) a series of error messages will be written to the capture file along with a -199 SQLCODE. SYMPTOMS: <pre>-- SQL Statement Text: -- -- CREATE TABLESPACE FRTSW7R3 -- IN FRDBW701 -- Numparts 259 -- BUFFERPOOL BP16K0 LOCKSIZE ANY LOCKMAX SYSTEM -- SEGSize 16 DSSize 16 G -- CLOSE YES -- -- Dynamic explain of SQL statement using qualifier: GUPHI04 -- and degree: 1 -- and path: "SYSIBM","SYSFUN","SYSPROC","SYSIBMADM","PDBAR01" --Error encountered while trying to EXPLAIN your SQL statement. -- DSNT408I SQLCODE = -199, ERROR: ILLEGAL USE OF KEYWORD CREATE. TOKEN (-- WITH INSERT DELETE UPDATE SET VALUES MERGE TRUNCATE WAS EXPECTED -- DSNT418I SQLSTATE = 42601 SQLSTATE RETURN CODE -- DSNT415I SQLERRP = DSNHPARS SQL PROCEDURE DETECTING ERROR -- DSNT416I SQLERRD = 2 0 0 -1 40 506 SQL DIAGNOSTIC INFORMATION -- DSNT416I SQLERRD = X'00000002' X'00000000' X'00000000' X'FFFFFFFF' -- X'00000028' X'000001FA' SQL DIAGNOSTIC INFORMATION</pre> IMPACT: Many error messages may be written to the capture file. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 15286 Copyright (C) 2021 CA. All rights reserved. R01737-D200-SP1 DESC(SQL TEXT CAPTURE EXPLAIN -199 WHEN STATEMENT INELIGIBLE). ++VER (Z038) FMID (CIDBK00) PRE (S006112 S008846 S010160) SUP (LT03673) CSECT (AMXXCSQM).

Service	Details
LU03680	LU03680 M.C.S. ENTRIES = ++PTF (LU03680) The following items are included in this solution: 1. INCORRECT JCL GENERATED FOR AP WITH MULTIPLE IBM UTILITIES 2. AUTOMATIC SYMBOLICS %PREVDB AND %PREVTS NOT UPDATED PROPERLY ===== INCORRECT JCL GENERATED FOR AP WITH MULTIPLE IBM UTILITIES PROBLEM DESCRIPTION: Database Analyzer for Db2 for z/OS (PDA) generates incorrect action JCL for an Action Procedure with multiple IBM utilities. SYMPTOMS: The control cards are not generated contiguously and are separated by a // card. IMPACT: The subsequent utility control statements will be ignored. CIRCUMVENTION: Specify 'Y' in the 'One Utility per Step' field on the Job GenerationParms panel. PRODUCT(S) AFFECTED: Database Analyzer For Db2 for z/OS Version 20.0 Related Problem: PDA 14892 ===== AUTOMATIC SYMBOLICS %PREVDB AND %PREVTS NOT UPDATED PROPERLY PROBLEM DESCRIPTION: Database Analyzer for Db2 for z/OS (PDA) can incorrectly update the %PREVDB and %PREVTS automatic symbolic variables in the JCL generated by model members used in action and extract procedures. The problem can affect the sample and customized JCL model members that utilize the %PREVDB and %PREVTS automatic symbolic variables SYMPTOMS: Action JCL is generated incorrectly when the %PREVDB and %PREVTS automatic symbolic variables are used by model members in action and extract procedures. IMPACT: The Action JCL generated by the model members used in action and extract procedures may be incorrect. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Related Problem: PDA 15387 Copyright (C) 2021 CA. All rights reserved. R01738-D200-SP1 DESC(INCORRECT JCL GENERATED FOR AP WITH MULTIPLE IBM UTILITIES). ++VER (Z038) FMID (CPDAK00) PRE (LU00146 LU00891 LU01089 LU02456 S000017 S006115) SUP (AL00146 AL02456 BL00146 LT00257 LT00475 LT02194 LT03680 LU00257 LU00475 ST05436 ST05467 ST05510 ST05806 ST05830) CSECT(RAAUBLD,RATSYM,CLBMODSN) . CSECT(RAAUBLE,RATSYM) .

Service	Details		
	MCS	LU02861	STARTS ON PAGE 0002
	MCS	LU03252	STARTS ON PAGE 0002
	MCS	LU03265	STARTS ON PAGE 0003
	MCS	LU03282	STARTS ON PAGE 0005
	MCS	LU03286	STARTS ON PAGE 0006
	MCS	LU03291	STARTS ON PAGE 0013
	MCS	LU03308	STARTS ON PAGE 0014
	MCS	LU03309	STARTS ON PAGE 0017
	MCS	LU03314	STARTS ON PAGE 0017
	MCS	LU03315	STARTS ON PAGE 0020
	MCS	LU03316	STARTS ON PAGE 0035
	MCS	LU03317	STARTS ON PAGE 0036
	MCS	LU03318	STARTS ON PAGE 0037
	MCS	LU03323	STARTS ON PAGE 0037
	MCS	LU03324	STARTS ON PAGE 0038
	MCS	LU03326	STARTS ON PAGE 0040
	MCS	LU03337	STARTS ON PAGE 0041
	MCS	LU03338	STARTS ON PAGE 0042
	MCS	LU03344	STARTS ON PAGE 0044
	MCS	LU03348	STARTS ON PAGE 0045
	MCS	LU03353	STARTS ON PAGE 0049
	MCS	LU03367	STARTS ON PAGE 0050
	MCS	LU03384	STARTS ON PAGE 0051
	MCS	LU03386	STARTS ON PAGE 0052
	MCS	LU03391	STARTS ON PAGE 0053
	MCS	LU03399	STARTS ON PAGE 0055
	MCS	LU03400	STARTS ON PAGE 0056
	MCS	LU03401	STARTS ON PAGE 0057
	MCS	LU03406	STARTS ON PAGE 0058
	MCS	LU03417	STARTS ON PAGE 0060
	MCS	LU03435	STARTS ON PAGE 0061
	MCS	LU03437	STARTS ON PAGE 0062
	MCS	LU03443	STARTS ON PAGE 0063
	MCS	LU03453	STARTS ON PAGE 0064
	MCS	LU03455	STARTS ON PAGE 0065
	MCS	LU03461	STARTS ON PAGE 0066
	MCS	LU03463	STARTS ON PAGE 0069
	MCS	LU03492	STARTS ON PAGE 0070
	MCS	LU03500	STARTS ON PAGE 0071
	MCS	LU03519	STARTS ON PAGE 0072
	MCS	LU03520	STARTS ON PAGE 0073
	MCS	LU03577	STARTS ON PAGE 0075
	MCS	LU03578	STARTS ON PAGE 0075
	MCS	LU03579	STARTS ON PAGE 0076
	MCS	LU03580	STARTS ON PAGE 0077
	MCS	LU03601	STARTS ON PAGE 0077
	MCS	LU03629	STARTS ON PAGE 0079
	MCS	LU03666	STARTS ON PAGE 0080
	MCS	LU03667	STARTS ON PAGE 0081
	MCS	LU03673	STARTS ON PAGE 0081
	MCS	LU03680	STARTS ON PAGE 0082

DB2 Tools 20.0
CA RS 2112 Product/Component Listing

86

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

The CA RS 2112 Product/Component Count for this release is 27

CA RS Level	Service	FMID
CAR2112	LU03680	CPDAK00
	LU03673	CIDBK00
	LU03667	CRCUK00
	LU03666	CINSK00
	LU03629	CINSK00
	LU03601	CPSAK00
	LU03580	CUGRK00
	LU03579	CPUTK00
	LU03578	CPFUK00
	LU03577	CPFLK00
	LU03520	CINSK00
	LU03519	CPUTK00
	LU03500	CPLAK00
	LU03492	CPLAK00
	LU03463	CINSK00
	LU03461	CPDTK00
	LU03455	CIDBK00
	LU03453	CIDBK00
	LU03443	CUGRK00
	LU03437	CRCUK00
	LU03435	CIDBK00
	LU03417	CINSK00
	LU03406	CPDTK00
	LU03401	CPUTK00
	LU03400	CPRRK00
	LU03399	CPFLK00
	LU03391	CINSK00
	LU03386	CPDTK00
	LU03384	CPFUK00
	LU03367	CINSK00
	LU03353	CPFUK00
	LU03348	CIDBK00
	LU03344	CUGRK00
	LU03338	CPPAK00
	LU03337	CINSK00
	LU03326	CUGRK00
	LU03324	CUGRK00
	LU03323	CPUTK00
	LU03318	CRCXK00
	LU03317	CRCQK00
	LU03316	CPLAK00
	LU03315	COFSK00
	LU03314	CINSK00
	LU03309	CINSK00
	LU03308	CRCQK00
	LU03291	CINSK00
	LU03286	CIDBK00

CA RS Level	Service	FMID
	LU03282	CPLAK00
	LU03265	CPFUK00
	LU03252	CIDBK00
	LU02861	CINSK00
CAR2111	LU03261	CPDTK00
	LU03259	CINSK00
	LU03256	CIDBK00
	LU03250	CPLAK00
	LU03235	CUGRK00
	LU03234	CPUTK00
	LU03233	CPRRK00
	LU03232	CPFUK00
	LU03231	CPFLK00
	LU03228	CPLAK00
	LU03221	CINSK00
	LU03220	CRCQK00
	LU03214	CUGRK00
	LU03213	CPUTK00
	LU03212	CPRRK00
	LU03211	CPFUK00
	LU03210	CPFLK00
	LU03209	CINSK00
	LU03195	CIDBK00
	LU03192	CPUTK00
	LU03191	CPFLK00
	LU03190	CINSK00
	LU03187	CPUTK00
	LU03186	CUGRK00
	LU03162	CIDBK00
	LU03152	CPDAK00
	LU03146	CIDBK00
	LU03142	CINSK00
	LU03116	CPSAK00
	LU03101	CPBAK00
	LU03093	CPDTK00
	LU03091	CIDBK00
	LU03073	CUGRK00
	LU03035	CPDAK00
	LU03034	CPRRK00
	LU03033	CPUTK00
	LU03032	CPFUK00
	LU03023	CIDBK00
	LU03018	CPDTK00
	LU02985	CIDBK00
	LU02979	CPLAK00
	LU02945	CINSK00
	LU02886	CIDBK00

CA RS Level	Service	FMID
	LU02816	CPLAK00
	LU02728	CPUTK00
	LU02727	CPFUK00
	LU02726	CINSK00
	LU02712	CUGRK00
CAR2110	S014389	CIDBK00
	LU02944	CPDTK00
	LU02894	CRCQK00
	LU02866	COFSK00
	LU02841	CIDBK00
	LU02829	CIDBK00
	LU02813	CINSK00
	LU02808	CINSK00
	LU02800	CIDBK00
	LU02796	CPDTK00
	LU02785	CPDAK00
	LU02767	CPLAK00
	LU02762	CUGRK00
	LU02708	CIDBK00
	LU02706	CPDTK00
	LU02665	CRCQK00
	LU02661	CINSK00
	LU02646	CIDBK00
	LU02642	CIDBK00
	LU02641	CPFLK00
	LU02634	CIDBK00
	LU02633	COFSK00
	LU02614	CINSK00
	LU02609	CINSK00
	LU02597	CRCQK00
	LU02577	CPBAK00
	LU02516	CIDBK00
	LU02489	CINSK00
	LU02472	CINSK00
	LU02471	CINSK00
	LU02280	COFSK00
	LU02279	CINSK00
CAR2109	LU02564	CRCQK00
	LU02554	CPDTK00
	LU02529	CUGRK00
	LU02524	CPDTK00
	LU02493	CPPAK00
	LU02492	CINSK00
	LU02485	CPFLK00
	LU02470	CPFUK00
	LU02456	CPDAK00
	LU02455	CINSK00

CA RS Level	Service	FMID
	LU02440	CPFUK00
	LU02439	CIDBK00
	LU02437	COFSK00
	LU02436	CPPAK00
	LU02428	CIDBK00
	LU02420	CINSK00
	LU02387	COFSK00
	LU02385	CUGRK00
	LU02383	CINSK00
	LU02381	CPLAK00
	LU02363	CINSK00
	LU02345	CINSK00
	LU02340	CIDBK00
	LU02335	CPFUK00
	LU02325	CIDBK00
	LU02307	CUGRK00
	LU02303	CIDBK00
	LU02290	CPDTK00
	LU02286	CPDTK00
	LU02271	CPDTK00
	LU02258	CPFLK00
	LU02243	CPFLK00
	LU02242	CINSK00
	LU02231	CPUTK00
	LU02230	CPLAK00
	LU02229	CINSK00
	LU02212	CINSK00
	LU02166	CINSK00
	LU02119	CTGRK00
	LU02118	CIDBK00
	LU02116	CINSK00
	LU02095	CPDAK00
CAR2108	LU02220	CPDTK00
	LU02213	CPLAK00
	LU02211	CRCUK00
	LU02197	CINSK00
	LU02164	CINSK00
	LU02143	CUTSK00
	LU02142	CIDBK00
	LU02133	CPSAK00
	LU02132	CPDTK00
	LU02131	CINSK00
	LU02124	CINSK00
	LU02117	CINSK00
	LU02108	CPDTK00
	LU02096	CIDBK00
	LU02093	CIDBK00

CA RS Level	Service	FMID
	LU02062	CPLAK00
	LU02061	CINSK00
	LU02053	CINSK00
	LU02048	CUGRK00
	LU02033	CIDBK00
	LU02031	CIDBK00
	LU02030	CRCQK00
	LU02029	CINSK00
	LU02008	CPFLK00
	LU02007	CPUTK00
	LU02006	CPFUK00
	LU02005	CINSK00
	LU01999	CINSK00
	LU01998	CUGRK00
	LU01997	CTGRK00
	LU01996	CRCXK00
	LU01995	CRCUK00
	LU01994	CRC SK00
	LU01993	CRCQK00
	LU01992	CPXNK00
	LU01991	CPUTK00
	LU01990	CPSAK00
	LU01989	CPRRK00
	LU01988	CPRFK00
	LU01987	CPRAK00
	LU01986	CPPAK00
	LU01985	CPLAK00
	LU01984	CPFUK00
	LU01983	CPFLK00
	LU01982	CPDTK00
	LU01981	CPDAK00
	LU01980	CPBAK00
	LU01979	COFSK00
	LU01978	CINSK00
	LU01977	CIDBK00
	LU01975	CAHOK00
	LU01958	CINSK00
	LU01950	CPLAK00
	LU01949	CINSK00
	LU01944	CRCXK00
	LU01939	CPFUK00
	LU01937	COFSK00
	LU01936	CUGRK00
	LU01934	CINSK00
	LU01933	CPDTK00
	LU01930	CPUTK00
	LU01927	CINSK00

CA RS Level	Service	FMID
	LU01922	CINSK00
	LU01845	CIDBK00
	LU01832	COFSK00
	LU01784	CINSK00
	LU01290	CINSK00
CAR2107	LU01893	CUGRK00
	LU01892	CPPAK00
	LU01891	CINSK00
	LU01869	CPLAK00
	LU01860	CPDAK00
	LU01841	CPDTK00
	LU01837	CINSK00
	LU01829	CIDBK00
	LU01799	CPDTK00
	LU01760	CINSK00
	LU01757	CINSK00
	LU01750	CIDBK00
	LU01732	CPSAK00
	LU01727	CPFUK00
	LU01720	CPFLK00
	LU01717	CUGRK00
	LU01706	CRCQK00
	LU01705	CINSK00
	LU01696	CINSK00
	LU01695	CPRAK00
	LU01694	CINSK00
	LU01683	CINSK00
	LU01673	CINSK00
	LU01666	CIDBK00
	LU01648	CINSK00
	LU01626	CPDAK00
	LU01625	CINSK00
	LU01610	CINSK00
	LU01581	CIDBK00
	LU01575	CINSK00
	LU01556	CIDBK00
	LU01551	CPPAK00
	LU01550	CINSK00
	LU01543	CPSAK00
	LU01542	CPDTK00
	LU01541	CIDBK00
	LU01538	CPLAK00
	LU01534	CUGRK00
	LU01526	CINSK00
	LU01525	CIDBK00
	LU01513	CIDBK00
	LU01508	CINSK00

CA RS Level	Service	FMID
	LU01405	CINSK00
	LU01362	CINSK00
	LU01357	CINSK00
CAR2106	LU01494	CINSK00
	LU01467	CPDTK00
	LU01432	CSQ2100
	LU01415	CPLAK00
	LU01410	CRCQK00
	LU01396	CPDTK00
	LU01393	CPDTK00
	LU01385	CPLAK00
	LU01384	CINSK00
	LU01380	CPUTK00
	LU01379	CPFLK00
	LU01378	CINSK00
	LU01376	CINSK00
	LU01367	CINSK00
	LU01352	CPUTK00
	LU01351	CPRRK00
	LU01350	CPFUK00
	LU01349	CPFLK00
	LU01338	CPDAK00
	LU01330	CRCQK00
	LU01321	CPRFK00
	LU01311	CPFUK00
	LU01293	CIDBK00
	LU01292	CUGRK00
	LU01291	CPUTK00
	LU01286	CINSK00
	LU01275	CINSK00
	LU01265	CINSK00
	LU01222	COFSK00
	LU01215	CPDTK00
	LU01208	CRCQK00
	LU01182	CUGRK00
	LU01181	CPRAK00
	LU01180	CPLAK00
	LU01179	COFSK00
	LU01178	CINSK00
	LU01175	CIDBK00
	LU01166	CIDBK00
	LU01165	CPFUK00
	LU01164	CIDBK00
	LU01151	CINSK00
	LU01135	CUGRK00
	LU01127	CUGRK00
	LU01122	COFSK00

CA RS Level	Service	FMID
	LU01121	CINSK00
	LU01118	CINSK00
	LU01107	COFSK00
	LU01106	CINSK00
	LU01102	CPRFK00
	LU01089	CPDAK00
	LU01043	CPLAK00
	LU00983	CPFLK00
CAR2105	LU01126	CPDAK00
	LU01100	CIDBK00
	LU01068	CPPAK00
	LU01056	CINSK00
	LU01053	COFSK00
	LU01042	CIDBK00
	LU01041	CIDBK00
	LU01040	CPLAK00
	LU01039	CINSK00
	LU01035	CIDBK00
	LU01030	CIDBK00
	LU01002	CPDTK00
	LU00989	CINSK00
	LU00982	CIDBK00
	LU00973	CUGRK00
	LU00968	CINSK00
	LU00964	CIDBK00
	LU00940	CPLAK00
	LU00938	CPDTK00
	LU00937	CINSK00
	LU00925	CINSK00
	LU00923	CPUTK00
	LU00921	CINSK00
	LU00914	CINSK00
	LU00903	CPLAK00
	LU00891	CPDAK00
	LU00890	CINSK00
	LU00887	CPUTK00
	LU00886	CPFUK00
	LU00882	CPLAK00
	LU00881	CIDBK00
	LU00863	CPFUK00
	LU00859	CPSAK00
	LU00858	CPDTK00
	LU00847	CINSK00
	LU00839	CINSK00
	LU00795	CUGRK00
	LU00794	CINSK00
	LU00769	CRCXK00

CA RS Level	Service	FMID
	LU00768	CPDTK00
	LU00759	CPLAK00
	LU00698	CINSK00
	LU00697	CIDBK00
	LU00678	CINSK00
	LU00592	CINSK00
	LU00581	CPRFK00
CAR2104	LU00728	CUGRK00
	LU00727	CPUTK00
	LU00726	CPRRK00
	LU00725	CPLAK00
	LU00724	CPFLK00
	LU00723	CINSK00
	LU00689	CUGRK00
	LU00684	CPDTK00
	LU00672	CPLAK00
	LU00659	CSQ2100
	LU00646	CPPAK00
	LU00645	CPBAK00
	LU00644	COFSK00
	LU00643	CINSK00
	LU00639	CINSK00
	LU00635	CPDAK00
	LU00613	CINSK00
	LU00597	CPLAK00
	LU00576	CPSAK00
	LU00568	CINSK00
	LU00565	CSQ2100
	LU00549	CPDTK00
	LU00545	CIDBK00
	LU00532	CRCQK00
	LU00531	COFSK00
	LU00530	CINSK00
	LU00524	CPDTK00
	LU00523	CINSK00
	LU00511	CRCUK00
	LU00510	CINSK00
	LU00509	CINSK00
	LU00508	CINSK00
	LU00500	CPSAK00
	LU00480	CPLAK00
	LU00475	CPDAK00
	LU00452	CPRRK00
	LU00450	CRCXK00
	LU00449	CRCUK00
	LU00448	CRCMK00
	LU00447	CPFUK00

CA RS Level	Service	FMID
	LU00446	CINSK00
	LU00440	CPPAK00
	LU00439	CPBAK00
	LU00438	CINSK00
	LU00437	CPUTK00
	LU00436	CPFLK00
	LU00435	CINSK00
	LU00434	CIDBK00
	LU00433	CRCUK00
	LU00432	CINSK00
	LU00427	CIDBK00
	LU00426	CINSK00
	LU00413	CRCQK00
	LU00412	CINSK00
	LU00411	CRCXK00
	LU00402	CPDTK00
	LU00400	CPRFK00
	LU00399	CINSK00
	LU00381	CPDAK00
	LU00368	CINSK00
	LU00359	CINSK00
	LU00342	CRCXK00
	LU00341	CRCUK00
	LU00340	CRC SK00
	LU00339	CRCQK00
	LU00338	CRCMK00
	LU00337	CPUTK00
	LU00336	CPRAK00
	LU00335	CPLAK00
	LU00334	CPDTK00
	LU00333	CPDAK00
	LU00332	CINSK00
	LU00331	CIDBK00
	LU00330	CAHOK00
	LU00314	CPDAK00
	LU00304	CPUTK00
	LU00303	CPRRK00
	LU00302	CPFUK00
	LU00301	CPFLK00
	LU00299	CIDBK00
	LU00283	CINSK00
	LU00277	CINSK00
	LU00275	CUGRK00
	LU00177	CPUTK00
CAR2103	SO16295	CIDBK00
	SO15817	CUGRK00
	SO14357	CIDBK00

CA RS Level	Service	FMID
	S013729	CRCQK00
	LU00356	CPLAK00
	LU00329	CPDTK00
	LU00282	CIDBK00
	LU00281	CPFUK00
	LU00257	CPDAK00
	LU00256	CPDAK00
	LU00254	CINSK00
	LU00253	CIDBK00
	LU00250	CPRFK00
	LU00248	CPUTK00
	LU00247	CPFLK00
	LU00246	CIDBK00
	LU00242	CINSK00
	LU00240	CPDTK00
	LU00238	CPLAK00
	LU00237	CINSK00
	LU00227	CINSK00
	LU00217	CPFUK00
	LU00216	CINSK00
	LU00207	CPRFK00
	LU00194	CPUTK00
	LU00178	CPFLK00
	LU00176	CPDTK00
	LU00165	CPLAK00
	LU00162	CINSK00
	LU00159	CIDBK00
	LU00152	CUGRK00
	LU00147	CRCQK00
	LU00146	CPDAK00
	LU00145	CINSK00
	LU00141	CUGRK00
	LU00140	CPUTK00
	LU00139	CPRRK00
	LU00138	CPLAK00
	LU00137	CPFUK00
	LU00136	CPFLK00
	LU00135	CINSK00
	LU00134	CIDBK00
	LU00133	CPUTK00
	LU00132	CPLAK00
	LU00131	CINSK00
	LU00127	CINSK00
	LU00124	CPDTK00
	LU00123	CINSK00
CAR2102	S016300	CIDBK00
	S016280	CIDBK00

CA RS Level	Service	FMID
	S016270	CIDBK00
	S016266	CPFUK00
	S016262	CPFUK00
	S016258	CPRFK00
	S016246	CPFLK00
	S016217	CPUTK00
	S016206	CPDAK00
	S016205	CINSK00
	S016200	CIDBK00
	S016195	CPFUK00
	S016194	CINSK00
	S016183	CINSK00
	S016181	CUGRK00
	S016176	CINSK00
	S016175	CPSAK00
	S016174	CPDTK00
	S016173	CINSK00
	S016165	CPRFK00
	S016160	CPRRK00
	S016149	CPRFK00
	S016133	COFSK00
	S016132	CINSK00
	S016116	CIDBK00
	S016113	CPDTK00
	S016107	CIDBK00
	S016090	CPUTK00
	S016089	CPFLK00
	S016088	CINSK00
	S016075	CPLAK00
	S016071	CRCQK00
	S016067	CINSK00
	S016057	CIDBK00
	S016053	CINSK00
	S016046	CIDBK00
	S016045	CINSK00
	S015980	CINSK00
	S015952	CIDBK00
	S015864	CINSK00
CAR2101	S016040	CINSK00
	S016032	CINSK00
	S016031	CINSK00
	S016024	CINSK00
	S016001	CINSK00
	S015998	CINSK00
	S015939	CPUTK00
	S015938	CPFLK00
	S015937	CINSK00

CA RS Level	Service	FMID
	S015935	CPSAK00
	S015931	CIDBK00
	S015927	CPDTK00
	S015913	CIDBK00
	S015908	CINSK00
	S015895	CPLAK00
	S015868	CINSK00
	S015867	CINSK00
	S015863	CINSK00
	S015843	CPDTK00
	S015816	CRCQK00
	S015807	CRCXK00
	S015806	CRCUK00
	S015805	CPFUK00
	S015804	CINSK00
	S015789	CINSK00
	S015775	CPRFK00
	S015774	CPRFK00
	S015770	CINSK00
	S015761	CIDBK00
	S015760	CINSK00
	S015711	CUGRK00
	S015710	CPUTK00
	S015709	CINSK00
CAR2012	S015771	CPFLK00
	S015767	CPFUK00
	S015740	CPUTK00
	S015739	CPRRK00
	S015738	CPFLK00
	S015723	CPDTK00
	S015697	CRCQK00
	S015691	CPPAK00
	S015690	CINSK00
	S015652	CPUTK00
	S015650	COFSK00
	S015647	CIDBK00
	S015613	CINSK00
	S015609	CUGRK00
	S015585	CPRRK00
	S015573	CPDTK00
	S015541	CPUTK00
	S015531	CPLAK00
	S015506	CINSK00
	S015499	CPDTK00
	S015487	CUGRK00
	S015486	CPUTK00
	S015485	CPRRK00

CA RS Level	Service	FMID
	S015484	CPFLK00
	S015483	CPDAK00
	S015482	CINSK00
	S015480	CUTSK00
	S015457	CPUTK00
	S015456	CPLAK00
	S015455	CINSK00
	S015450	CRCQK00
	S015449	CINSK00
	S015444	CINSK00
	S015440	COFSK00
	S015395	CPDTK00
	S015394	CINSK00
	S015193	CINSK00
CAR2011	S015314	CPUTK00
	S015313	CPRRK00
	S015312	CPFLK00
	S015311	CINSK00
	S015308	CUGRK00
	S015271	CPUTK00
	S015255	CPRFK00
	S015254	CIDBK00
	S015238	CPUTK00
	S015237	CPRRK00
	S015236	CPFUK00
	S015235	CPFLK00
	S015225	COFSK00
	S015220	CPLAK00
	S015215	CINSK00
	S015205	CINSK00
	S015199	CPDTK00
	S015191	CRCMK00
	S015184	CSQ2100
	S015174	CPUTK00
	S015132	CINSK00
	S015130	CPDAK00
	S015129	CINSK00
	S015124	CPRRK00
	S015122	CINSK00
	S015094	CPSAK00
	S015086	CPFUK00
	S015075	CINSK00
	S015074	CPUTK00
	S015073	CPDTK00
	S015072	CINSK00
	S015070	CIDBK00
	S015064	CPLAK00

CA RS Level	Service	FMID
	S015062	COFSK00
	S015061	CINSK00
	S015049	CIDBK00
	S015045	CINSK00
	S015031	CINSK00
	S015015	CPFLK00
	S015004	CINSK00
CAR2010	S014984	CPFUK00
	S014949	CPLAK00
	S014923	CIDBK00
	S014902	CPPAK00
	S014901	CINSK00
	S014899	CINSK00
	S014883	CIDBK00
	S014876	CINSK00
	S014874	CINSK00
	S014866	CPLAK00
	S014865	CINSK00
	S014864	CIDBK00
	S014863	CUGRK00
	S014861	CPSAK00
	S014860	CPDTK00
	S014859	CINSK00
	S014853	CIDBK00
	S014843	CIDBK00
	S014842	CPRFK00
	S014836	CPBAK00
	S014835	CINSK00
	S014833	CRCUK00
	S014832	CINSK00
	S014827	CINSK00
	S014782	CPDTK00
	S014773	CPUTK00
	S014772	CPFLK00
	S014771	CINSK00
	S014756	CINSK00
	S014754	CIDBK00
	S014732	CPDAK00
	S014731	CINSK00
	S014721	CINSK00
	S014716	CINSK00
	S014694	CPFLK00
	S014681	CPSAK00
	S014680	CPDTK00
	S014675	CPRFK00
	S014655	COFSK00
	S014642	CIDBK00

CA RS Level	Service	FMID
CAR2009	S014641	CUGRK00
	S014640	CPRRK00
	S014639	CINSK00
	S014634	CINSK00
	S014624	CIDBK00
	S014623	CINSK00
	S014615	CINSK00
	S014613	CPLAK00
	S014583	CINSK00
	S014570	COFSK00
	S014568	CUGRK00
	S014567	CPUTK00
	S014566	CINSK00
	S014565	CPDAK00
	S014531	CIDBK00
	S014502	CPUTK00
	S014501	CPFUK00
	S014500	CINSK00
	S014491	CINSK00
	S014483	CUGRK00
	S014452	CPLAK00
	S014433	CPFLK00
	S014428	CPUTK00
	S014427	CPFLK00
	S014426	CRCQK00
	S014404	CPRFK00
	S014401	CINSK00
	S014400	CPPAK00
	S014397	CPDTK00
	S014383	CPUTK00
	S014382	CPFUK00
	S014381	CINSK00
	S014338	CPDTK00
	S014335	CRCQK00
	S014310	CUTSK00
	S014307	CRCQK00
	S014299	CPDTK00
	S014298	CINSK00
	S014295	CINSK00
	S014282	CINSK00
	S014277	CPUTK00
	S014276	CPRRK00
	S014275	CINSK00
	S014267	CPDTK00
	S014254	CIDBK00
	S014228	CIDBK00
	S014175	CPDAK00

CA RS Level	Service	FMID
	S014174	CINSK00
	S014126	COFSK00
	S014125	CINSK00
	S014028	CPFUK00
	S014027	CINSK00
	S013888	CINSK00
CAR2008	S014252	CPFLK00
	S014235	CPDTK00
	S014173	CINSK00
	S014168	CINSK00
	S014164	CIDBK00
	S014142	CPLAK00
	S014137	CPLAK00
	S014101	CRCQK00
	S014099	CIDBK00
	S014093	CIDBK00
	S014054	CPUTK00
	S014053	CPFUK00
	S014052	CINSK00
	S014036	CUGRK00
	S014035	CPUTK00
	S014034	CPRRK00
	S014033	CPLAK00
	S014032	CPFUK00
	S014031	CPFLK00
	S014030	CPDAK00
	S014029	CINSK00
	S014025	CPFLK00
	S014016	CIDBK00
	S013990	COFSK00
	S013988	CPPAK00
	S013987	CPDTK00
	S013986	CPDAK00
	S013985	CINSK00
	S013982	CSQ2100
	S013974	CINSK00
	S013973	CINSK00
	S013961	CPUTK00
	S013960	CPFUK00
	S013930	CINSK00
	S013909	CPXNK00
	S013908	CINSK00
	S013891	CIDBK00
	S013889	CPDTK00
	S013887	CPDTK00
	S013881	CUGRK00
	S013880	CPUTK00

CA RS Level	Service	FMID
	S013879	CPLAK00
	S013878	CINSK00
	S013842	CRCXK00
	S013839	CINSK00
	S013827	CINSK00
	S013825	CIDBK00
	S013814	CINSK00
	S013807	CINSK00
	S013794	CINSK00
	S013781	COFSK00
	S013768	CUGRK00
	S013767	CPUTK00
	S013766	CPFUK00
	S013765	CPFLK00
	S013764	CINSK00
	S013758	COFSK00
	S013726	CINSK00
	S013711	CINSK00
	S013709	CPUTK00
	S013708	CPRRK00
	S013707	CPFUK00
	S013706	CPFLK00
	S013574	CINSK00
CAR2007	S013761	CPDTK00
	S013730	CPRFK00
	S013718	CPLAK00
	S013717	CINSK00
	S013686	CUGRK00
	S013685	CPUTK00
	S013684	CPFUK00
	S013683	CPDAK00
	S013682	CINSK00
	S013676	CINSK00
	S013668	CRCQK00
	S013655	CPDTK00
	S013635	CPRRK00
	S013633	CPPAK00
	S013627	CUGRK00
	S013626	CPUTK00
	S013625	CPLAK00
	S013624	CINSK00
	S013616	CPDTK00
	S013596	CPUTK00
	S013586	CUGRK00
	S013584	CPDAK00
	S013557	CIDBK00
	S013539	CINSK00

CA RS Level	Service	FMID
	S013515	CIDBK00
	S013509	CINSK00
	S013508	CIDBK00
	S013484	CINSK00
	S013456	CRCXK00
	S013453	CINSK00
	S013450	CPDTK00
	S013437	CPFUK00
	S013421	CPSAK00
	S013417	CINSK00
	S013341	CINSK00
	S013340	CINSK00
	S013273	CINSK00
	S012794	CINSK00
CAR2006	S013352	CINSK00
	S013339	CPRRK00
	S013329	CPSAK00
	S013320	CINSK00
	S013319	CPFUK00
	S013316	CPUTK00
	S013308	CINSK00
	S013307	CAHOK00
	S013306	CRCUK00
	S013234	CPLAK00
	S013230	CINSK00
	S013229	CINSK00
	S013224	CPLAK00
	S013213	CINSK00
	S013206	CUGRK00
	S013205	CPUTK00
	S013204	CPRRK00
	S013203	CPFLK00
	S013193	CINSK00
	S013176	CPRRK00
	S013175	CPFLK00
	S013154	CINSK00
	S013153	CPUTK00
	S013152	CPRRK00
	S013151	CPFUK00
	S013150	CPFLK00
	S013149	CINSK00
	S013130	CUGRK00
	S013112	CRCUK00
	S013111	CINSK00
	S013098	CPUTK00
	S013097	CPFLK00
	S013096	CINSK00

CA RS Level	Service	FMID
	S013091	CPDTK00
	S013083	CRCQK00
	S013080	CINSK00
	S013075	CINSK00
	S013074	CPDTK00
	S013071	CINSK00
	S013066	CPFLK00
	S013044	CINSK00
	S013032	CIDBK00
	S013024	CUGRK00
	S013009	CPLAK00
	S013005	CIDBK00
	S012999	CINSK00
	S012994	CINSK00
	S012984	CPFLK00
	S012958	CTGRK00
	S012921	CPDTK00
	S012853	CUGRK00
	S012852	CPSAK00
	S012851	CINSK00
CAR2005	S012966	CPSAK00
	S012943	CPPAK00
	S012942	CINSK00
	S012937	CRCXK00
	S012936	CRCUK00
	S012935	CPLAK00
	S012934	CPFUK00
	S012933	CINSK00
	S012927	CPUTK00
	S012926	CPSAK00
	S012925	CPDTK00
	S012924	CINSK00
	S012904	CINSK00
	S012902	CUGRK00
	S012901	CPUTK00
	S012900	CPLAK00
	S012899	CINSK00
	S012896	CIDBK00
	S012889	CPLAK00
	S012829	CINSK00
	S012821	CPDTK00
	S012819	CINSK00
	S012817	CINSK00
	S012812	CINSK00
	S012808	CPDTK00
	S012797	CPLAK00
	S012792	CINSK00

CA RS Level	Service	FMID
	S012783	CRCQK00
	S012769	CIDBK00
	S012764	CINSK00
	S012763	CPLAK00
	S012754	CPSAK00
	S012751	CINSK00
	S012730	CPUTK00
	S012717	CPUTK00
	S012716	CPRRK00
	S012715	CINSK00
	S012706	CIDBK00
	S012657	CRCUK00
	S012656	CPUTK00
	S012655	CPPAK00
	S012654	CPLAK00
	S012653	CPFUK00
	S012652	CPDTK00
	S012651	CPDAK00
	S012650	CINSK00
	S012624	CPDAK00
	S012586	CUGRK00
	S012585	CPFLK00
	S012553	CRCCK00
	S012547	CINSK00
	S012539	CPSAK00
	S012538	CPDTK00
	S012537	CINSK00
	S012536	CIDBK00
	S012530	CUGRK00
	S012529	CPUTK00
	S012528	CPRRK00
	S012527	CPFUK00
	S012526	CPFLK00
	S012525	CINSK00
	S012524	CINSK00
	S012501	CSQ2100
	S012487	CPLAK00
	S012483	CIDBK00
	S012429	CPDTK00
	S012428	CIDBK00
	S012412	COFSK00
	S012368	CPPAK00
	S012367	CINSK00
	S012366	CRCXK00
	S012365	CRCUK00
	S012364	CPLAK00
	S012363	CPFUK00

CA RS Level	Service	FMID
	S012362	COFSK00
	S012361	CINSK00
	S012304	CRCUK00
CAR2004	S012426	CPDTK00
	S012400	CRCXK00
	S012397	CIDBK00
	S012396	CINSK00
	S012352	CUGRK00
	S012323	CINSK00
	S012279	CUGRK00
	S012278	CPUTK00
	S012277	CPRRK00
	S012276	CPFUK00
	S012275	CPFLK00
	S012274	CINSK00
	S012268	CINSK00
	S012267	CPPAK00
	S012249	CINSK00
	S012235	CUGRK00
	S012234	CUGRK00
	S012229	CRCQK00
	S012228	CINSK00
	S012219	CINSK00
	S012197	CPFUK00
	S012196	CIDBK00
	S012174	CPUTK00
	S012173	CPLAK00
	S012164	CINSK00
	S012159	CINSK00
	S012155	CUGRK00
	S012154	CTGRK00
	S012153	CPUTK00
	S012152	CPRRK00
	S012151	CPFUK00
	S012150	CPFLK00
	S012149	CINSK00
	S012147	CINSK00
	S012131	CPDTK00
	S012128	CPFLK00
	S012115	CINSK00
	S012078	CIDBK00
	S012076	CINSK00
	S012068	CPPAK00
	S012067	CINSK00
	S011977	CIDBK00
CAR2003	S012133	CIDBK00
	S012132	CINSK00

CA RS Level	Service	FMID
	S012110	CUGRK00
	S012109	CPRRK00
	S012108	CPFUK00
	S012107	CPFLK00
	S012106	CINSK00
	S012042	CINSK00
	S012031	CINSK00
	S012018	CUGRK00
	S012012	CRCQK00
	S012011	CINSK00
	S012000	CUGRK00
	S011999	CPUTK00
	S011998	CPRRK00
	S011997	CPFUK00
	S011996	CPFLK00
	S011995	CINSK00
	S011993	CPFUK00
	S011988	CINSK00
	S011983	CPDTK00
	S011981	CPUTK00
	S011976	CRCQK00
	S011971	CRCXK00
	S011970	CRCUK00
	S011969	CPLAK00
	S011968	CPFUK00
	S011967	COFSK00
	S011966	CINSK00
	S011957	CINSK00
	S011947	CPUTK00
	S011946	CPFLK00
	S011945	CINSK00
	S011942	CINSK00
	S011931	CPDAK00
	S011930	CUGRK00
	S011929	CUGRK00
	S011921	COFSK00
	S011868	CRCXK00
	S011867	CRCUK00
	S011866	CINSK00
	S011863	CINSK00
	S011862	CPUTK00
	S011861	CPRRK00
	S011849	CPUTK00
	S011848	CPUTK00
	S011847	CPRRK00
	S011846	CPFLK00
	S011843	CPSAK00

CA RS Level	Service	FMID
	S011806	CINSK00
	S011782	CPLAK00
	S011773	CUGRK00
	S011768	CPPAK00
	S011767	CPBAK00
	S011766	CINSK00
	S011737	CINSK00
	S011717	CPDTK00
	S011686	CUGRK00
	S011685	CPUTK00
	S011684	CINSK00
	S011675	CIDBK00
CAR2002	S011810	CPPAK00
	S011809	CPLAK00
	S011808	CPBAK00
	S011807	CINSK00
	S011780	CIDBK00
	S011731	CPRFK00
	S011701	CPDAK00
	S011700	CINSK00
	S011696	CINSK00
	S011695	CPSAK00
	S011694	CPDTK00
	S011693	CIDBK00
	S011691	CINSK00
	S011679	CINSK00
	S011674	CINSK00
	S011669	CPLAK00
	S011646	CUGRK00
	S011645	CPRRK00
	S011644	CPFUK00
	S011643	CPFLK00
	S011625	CPSAK00
	S011624	CPDTK00
	S011623	CINSK00
	S011616	CIDBK00
	S011608	CPXNK00
	S011606	CPDTK00
	S011605	CUGRK00
	S011604	CPUTK00
	S011603	CPRRK00
	S011602	CPFUK00
	S011601	CPFLK00
	S011583	CPLAK00
	S011576	CINSK00
	S011567	CPPAK00
	S011566	CINSK00

CA RS Level	Service	FMID
	S011547	CINSK00
	S011534	CINSK00
	S011521	CPUTK00
	S011520	CPFLK00
	S011499	CPDTK00
	S011476	CPFUK00
	S011475	CINSK00
	S011468	CINSK00
	S011465	CIDBK00
	S011452	CIDBK00
	S011433	CPUTK00
	S011432	CPRRK00
	S011431	CPFLK00
	S011430	CINSK00
	S011419	CPLAK00
	S011382	CUGRK00
	S011373	CINSK00
	S011333	CINSK00
	S011325	CPFLK00
	S011296	CPRFK00
	S011231	CINSK00
	S011086	CUGRK00
CAR2001	S011345	CPSAK00
	S011323	CUGRK00
	S011317	CINSK00
	S011263	CPDTK00
	S011261	CINSK00
	S011255	CINSK00
	S011239	CUGRK00
	S011238	CPUTK00
	S011237	CPRRK00
	S011236	CPFUK00
	S011235	CPFLK00
	S011234	CINSK00
	S011222	CPRRK00
	S011221	CINSK00
	S011201	CINSK00
	S011200	CPRRK00
	S011197	CRCQK00
	S011196	CINSK00
	S011180	COFSK00
	S011169	CUGRK00
	S011168	CPUTK00
	S011133	CRCQK00
	S011131	CPPAK00
	S011130	CPBAK00
	S011129	CINSK00

CA RS Level	Service	FMID
	S011114	CPUTK00
	S011113	CPLAK00
	S011112	CINSK00
	S011110	CPUTK00
	S011109	CPRRK00
	S011108	CPFUK00
	S011107	CPFLK00
	S011105	CRCUK00
	S011085	CPUTK00
	S011084	CINSK00
	S011083	CUGRK00
	S011080	CPRRK00
	S011079	CRCXK00
	S011078	CINSK00
	S011052	CPFUK00
	S011048	CINSK00
	S011017	CPDAK00
	S011013	CPFUK00
	S011009	CUTSK00
	S010978	CINSK00
	S010975	CRCUK00
	S010974	CINSK00
	S010955	CPSAK00
	S010908	CPDTK00
	S010907	CINSK00
	S010906	CIDBK00
	S010867	CPSAK00
	S010835	CINSK00
	S010817	CPRAK00
	S010739	CIDBK00
	S010662	CINSK00
	S010278	CPPAK00
	S010277	CPBAK00
CAR1912	S011039	CPRRK00
	S010948	CINSK00
	S010921	CPDTK00
	S010920	CINSK00
	S010872	CINSK00
	S010871	CINSK00
	S010827	CINSK00
	S010819	CUGRK00
	S010818	CUGRK00
	S010815	CINSK00
	S010789	CAHOK00
	S010788	CINSK00
	S010763	CINSK00
	S010760	CINSK00

CA RS Level	Service	FMID
	S010752	CPFLK00
	S010750	CINSK00
	S010716	CIDBK00
	S010714	CPPAK00
	S010713	CPBAK00
	S010712	CINSK00
	S010703	CINSK00
	S010679	CPRRK00
	S010678	CPUTK00
	S010677	CPLAK00
	S010676	CINSK00
	S010661	CRCQK00
	S010652	CPDTK00
	S010641	CPLAK00
	S010639	CINSK00
	S010631	CINSK00
	S010626	CPFUK00
	S010625	CPRRK00
	S010608	CPUTK00
	S010549	CINSK00
	S010512	CINSK00
	S010495	CPUTK00
	S010417	CINSK00
	S010405	CIDBK00
	S010401	CUGRK00
	S010165	CUGRK00
	S009802	CINSK00
CAR1911	S010553	CUGRK00
	S010538	CPDTK00
	S010532	CRCQK00
	S010521	CPDTK00
	S010514	CINSK00
	S010505	CPRRK00
	S010492	CPDTK00
	S010474	CPUTK00
	S010470	CUTSK00
	S010469	CINSK00
	S010468	CRCQK00
	S010442	CPFUK00
	S010437	CINSK00
	S010430	CRCQK00
	S010390	CPLAK00
	S010389	CINSK00
	S010365	CPRFK00
	S010347	CPRFK00
	S010331	CINSK00
	S010323	CINSK00

CA RS Level	Service	FMID
	S010321	CRCQK00
	S010306	CUGRK00
	S010292	CINSK00
	S010288	CPRFK00
	S010281	CINSK00
	S010268	CRCQK00
	S010250	COFSK00
	S010248	CIDBK00
	S010243	CINSK00
	S010236	CUTSK00
	S010201	CUGRK00
	S010200	CINSK00
	S010175	CPFUK00
	S010174	CINSK00
	S010173	CINSK00
	S010071	CTGRK00
	S010059	CTGRK00
	S010007	CPRRK00
	S010000	CPPAK00
	S009999	CINSK00
	S009978	CPUTK00
	S009977	CPFLK00
	S009976	CINSK00
	S009945	CINSK00
	S009911	CUGRK00
	S009797	CINSK00
CAR1910	S010196	CPUTK00
	S010195	CPFLK00
	S010194	CINSK00
	S010163	CRCQK00
	S010162	CINSK00
	S010160	CIDBK00
	S010129	CAHOK00
	S010107	CPFUK00
	S010080	CINSK00
	S010069	CINSK00
	S010066	CINSK00
	S010061	CINSK00
	S010046	CINSK00
	S010044	CUGRK00
	S010043	CPFUK00
	S010042	CPDAK00
	S010041	CINSK00
	S010038	CPUTK00
	S010029	COFSK00
	S010028	CINSK00
	S010023	CPFUK00

CA RS Level	Service	FMID
	S010021	CINSK00
	S010018	CPDTK00
	S010004	CINSK00
	S010001	CUGRK00
	S009974	CUGRK00
	S009973	CPUTK00
	S009954	CPRRK00
	S009929	CINSK00
	S009905	CPRRK00
	S009903	CUGRK00
	S009902	CPUTK00
	S009901	CPRRK00
	S009900	CPFLK00
	S009893	CINSK00
	S009892	CINSK00
	S009877	CINSK00
	S009867	CUGRK00
	S009866	CRCSK00
	S009865	CRCQK00
	S009864	CPRFK00
	S009863	CPRAK00
	S009862	CPPAK00
	S009861	CPDAK00
	S009860	CINSK00
	S009859	CIDBK00
	S009858	CAHOK00
	S009857	CINSK00
	S009854	CPUTK00
	S009852	CRCQK00
	S009851	CINSK00
	S009839	CINSK00
	S009818	CINSK00
	S009811	CPDTK00
	S009799	CINSK00
	S009787	CPPAK00
	S009786	CPBAK00
	S009785	CINSK00
	S009766	CUGRK00
	S009765	CPUTK00
	S009764	CPFUK00
	S009763	CPDAK00
	S009762	COFSK00
	S009761	CINSK00
CAR1909	S009828	CPDTK00
	S009796	CINSK00
	S009790	CINSK00
	S009759	CRCQK00

CA RS Level	Service	FMID
	S009748	CUGRK00
	S009743	CIDBK00
	S009742	CUGRK00
	S009714	CPRAK00
	S009708	CIDBK00
	S009693	CINSK00
	S009675	CPFUK00
	S009672	CPUTK00
	S009671	CPRRK00
	S009662	CPRFK00
	S009652	CPDAK00
	S009647	COFSK00
	S009602	CINSK00
	S009601	CPDTK00
	S009599	CPRRK00
	S009595	CUGRK00
	S009590	CUTSK00
	S009569	CPUTK00
	S009564	CINSK00
	S009556	CIDBK00
	S009546	CINSK00
	S009519	CIDBK00
	S009432	CPSAK00
	S009426	CINSK00
	S009423	CTGRK00
	S009417	CINSK00
	S009403	CRCCK00
	S009378	CPFLK00
	S009333	CPLAK00
	S009300	CPDAK00
	S009205	CINSK00
	S008837	CPRRK00
CAR1908	S009461	CINSK00
	S009373	CIDBK00
	S009356	CINSK00
	S009337	CPFUK00
	S009267	CPSAK00
	S009261	CINSK00
	S009253	CPUTK00
	S009252	CPLAK00
	S009239	CPDTK00
	S009232	CINSK00
	S009228	CIDBK00
	S009188	CUGRK00
	S009187	CTGRK00
	S009186	CPUTK00
	S009185	CPRFK00

CA RS Level	Service	FMID
	S009184	COFSK00
	S009183	CINSK00
	S009180	CPFLK00
	S009177	CIDBK00
	S009166	CRCUK00
	S009147	CUGRK00
	S009146	CINSK00
	S009135	CPUTK00
	S009133	CPLAK00
	S009132	CUGRK00
	S009130	CINSK00
	S009129	CRCQK00
	S009128	COFSK00
	S009126	CINSK00
	S009125	CINSK00
	S009110	CRCXK00
	S009109	CRCUK00
	S009108	CPLAK00
	S009107	CPFUK00
	S009106	COFSK00
	S009105	CINSK00
	S009089	CPRRK00
	S009088	CPDAK00
	S009083	CPLAK00
	S009068	CIDBK00
	S009065	CPDTK00
	S009055	CIDBK00
	S009054	CIDBK00
	S009044	CPDTK00
	S008969	CPRFK00
	S008963	CINSK00
	S008766	CINSK00
	S008755	CINSK00
	S008732	CPUTK00
	S008540	CINSK00
CAR1907	S009033	CINSK00
	S009028	CUGRK00
	S009027	CPUTK00
	S009026	CPRRK00
	S009025	CPFUK00
	S009024	CPFLK00
	S009023	CPDAK00
	S009022	CINSK00
	S008957	CINSK00
	S008922	CPRAK00
	S008899	CUTSK00
	S008879	CPUTK00

CA RS Level	Service	FMID
	S008878	CRCQK00
	S008871	CPUTK00
	S008870	CPLAK00
	S008869	CINSK00
	S008861	CPUTK00
	S008860	CPFUK00
	S008859	CINSK00
	S008858	COFSK00
	S008856	CINSK00
	S008847	CINSK00
	S008846	CIDBK00
	S008843	CUGRK00
	S008841	CUGRK00
	S008833	CUGRK00
	S008832	CINSK00
	S008825	CINSK00
	S008804	CINSK00
	S008803	CPUTK00
	S008802	CPLAK00
	S008799	CSQ2100
	S008789	CPDTK00
	S008782	CPUTK00
	S008762	CTGRK00
	S008750	CINSK00
	S008728	CIDBK00
	S008684	CINSK00
	S008668	CUGRK00
	S008667	CPUTK00
	S008663	COFSK00
	S008662	CINSK00
	S008654	CINSK00
	S008644	CINSK00
	S008606	CINSK00
	S008586	CPUTK00
	S008585	CPFUK00
	S008584	CPFLK00
	S008581	CPPAK00
	S008580	CPBAK00
	S008579	COFSK00
	S008578	CINSK00
	S008577	CIDBK00
	S008576	CSQ2100
	S008467	CINSK00
	S008414	CINSK00
	S008352	CPFUK00
CAR1906	S008608	CRCQK00
	S008466	CUGRK00

CA RS Level	Service	FMID
	S008455	CPDTK00
	S008451	CPPAK00
	S008450	CPBAK00
	S008446	CPDTK00
	S008435	COFSK00
	S008434	CINSK00
	S008429	CPUTK00
	S008428	CPFLK00
	S008427	COFSK00
	S008407	CPFLK00
	S008406	CINSK00
	S008403	COFSK00
	S008393	CPSAK00
	S008380	CPUTK00
	S008379	CPRRK00
	S008378	CPFLK00
	S008377	CINSK00
	S008330	CINSK00
	S008323	CPDTK00
	S008313	CINSK00
	S008302	CIDBK00
	S008296	CINSK00
	S008291	CINSK00
	S008280	CUGRK00
	S008279	CIDBK00
	S008278	CINSK00
	S008262	CINSK00
	S008244	CPDTK00
	S008240	CINSK00
	S008232	CRCQK00
	S008216	CINSK00
	S008202	CINSK00
	S008198	CINSK00
	S008190	CPSAK00
	S008128	CINSK00
	S008074	CRCMK00
CAR1905	S008204	CPDTK00
	S008193	CUGRK00
	S008137	CUGRK00
	S008136	CINSK00
	S008129	CPDTK00
	S008123	CPSAK00
	S008112	CPFUK00
	S008109	COFSK00
	S008101	COFSK00
	S008083	CPRFK00
	S008072	CPUTK00

CA RS Level	Service	FMID
	S008071	CPFLK00
	S008068	CPFUK00
	S008051	CINSK00
	S008025	CPRFK00
	S008016	CINSK00
	S008012	CPRAK00
	S008008	CPLAK00
	S007988	CPDTK00
	S007986	CPUTK00
	S007974	CPRFK00
	S007955	CINSK00
	S007954	CRCQK00
	S007940	CINSK00
	S007927	CUTSK00
	S007924	CPFLK00
	S007916	CUGRK00
	S007915	CINSK00
	S007906	CPRAK00
	S007905	CUGRK00
	S007904	CAHOK00
	S007894	CPUTK00
	S007893	CPRRK00
	S007884	CTGRK00
	S007856	CINSK00
CAR1904	S007826	CUGRK00
	S007825	CTGRK00
	S007824	CRCUK00
	S007823	CRCSK00
	S007822	CRCQK00
	S007821	CRCMK00
	S007820	CPUTK00
	S007819	CPSAK00
	S007818	CPRRK00
	S007815	CPRFK00
	S007814	CPPAK00
	S007813	CPLAK00
	S007812	CPFUK00
	S007811	CPFLK00
	S007810	CPDTK00
	S007809	CPDAK00
	S007808	COFSK00
	S007807	CINSK00
	S007806	CIDBK00
	S007804	CAHOK00
	S007774	CINSK00
	S007711	CPUTK00
	S007560	CINSK00

CA RS Level	Service	FMID
	S007552	CINSK00
	S007173	CUGRK00
	S007172	CPUTK00
	S007171	CPFUK00
	S007170	CPFLK00
	S007169	CINSK00
CAR1903	S007412	CINSK00
	S007384	CRCXK00
	S007383	CRCUK00
	S007382	CPLAK00
	S007381	CPFUK00
	S007380	COFSK00
	S007379	CINSK00
	S007369	CRCUK00
	S007323	CINSK00
	S007204	CPSAK00
CAR1902	S007167	CINSK00
	S006978	CINSK00
	S006977	CIDBK00
	S006879	CUGRK00
	S006878	CRCXK00
	S006877	CRCUK00
	S006876	CRC SK00
	S006875	CRCQK00
	S006874	CPUTK00
	S006873	CPSAK00
	S006870	CPRFK00
	S006869	CPPAK00
	S006868	CPLAK00
	S006867	CPFUK00
	S006866	CPFLK00
	S006865	CPDTK00
	S006864	COFSK00
	S006863	CINSK00
	S006862	CIDBK00
	S006838	CPDTK00
CAR1901	S006718	CPLAK00
	S006638	CINSK00
	S006619	CPUTK00
	S006611	CUTSK00
	S006610	CPUTK00
	S006609	CPRRK00
	S006608	CINSK00
	S006582	CPRRK00
	S006497	CINSK00
	S006485	CSQ2100
CAR1812	S006494	CSQ2100

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

CA RS Level	Service	FMID
	S005016	CPUTK00
	S005015	CPRRK00
	S005014	CPLAK00
	S005013	CPFUK00
	S005012	CPFLK00
	S005011	CINSK00
	S005010	CIDBK00
	S004949	CPUTK00
	S004948	CPDAK00
	S004947	CINSK00
	S004857	CPFLK00
	S004856	CRCMK00
	S004855	CINSK00
	S004799	CUGRK00
	S004798	CPUTK00
	S004797	CPRRK00
	S004796	CPRAK00
	S004795	CPLAK00
	S004794	CINSK00
	S004757	CPDTK00
	S004756	CINSK00
CAR1808	S004720	CRCUK00
	S004719	CRCMK00
	S004718	CINSK00
	S004475	CUGRK00
	S004474	CTGRK00
	S004473	CRCXK00
	S004472	CRCUK00
	S004471	CRCQK00
	S004470	CRCMK00
	S004469	CPUTK00
	S004468	CPSAK00
	S004467	CPRRK00
	S004464	CPRFK00
	S004463	CPRAK00
	S004462	CPPAK00
	S004461	CPLAK00
	S004460	CPFUK00
	S004459	CPFLK00
	S004458	CPDTK00
	S004457	CPDAK00
	S004456	COFSK00
	S004455	CINSK00
	S004454	CIDBK00
	S004437	CRCQK00
	S004275	CPFLK00
CAR1807	S004251	CUGRK00

CA RS Level	Service	FMID
	S004250	CINSK00
	S004249	CUGRK00
	S004248	CPUTK00
	S004247	CPRRK00
	S004246	CPRAK00
	S004245	CPLAK00
	S004244	CINSK00
	S004155	CSQ2100
	S004129	CINSK00
	S004048	CUGRK00
	S004010	CPDAK00
	S003992	CPUTK00
	S003965	CINSK00
	S003960	CPDTK00
	S003959	CINSK00
	S003942	CPDTK00
	S003861	CPFLK00
	S003860	CINSK00
	S003844	CPUTK00
	S003843	CINSK00
CAR1806	S003816	CUGRK00
	S003815	CPUTK00
	S003814	CINSK00
	S003677	CUGRK00
	S003676	CTGRK00
	S003587	CINSK00
	S001905	CINSK00
	S001896	CINSK00
	S001855	CUGRK00
	S001819	CUGRK00
	S001818	CPFUK00
	S001670	CRCSK00
	S001641	CPLAK00
CAR1805	S001712	CUGRK00
	S001711	CPUTK00
	S001668	CUGRK00
	S001667	CPLAK00
	S001666	COFSK00
	S001665	CINSK00
	S001664	CIDBK00
	S001660	CUGRK00
	S001659	CPUTK00
	S001658	CPRRK00
	S001657	CPFUK00
	S001656	CPFLK00
	S001655	CINSK00
	S001635	CPSAK00

CA RS Level	Service	FMID
	S001418	CUGRK00
	S001417	CTGRK00
	S001416	CRCXK00
	S001415	CRCUK00
	S001414	CRCQK00
	S001413	CRCMK00
	S001412	CPXNK00
	S001411	CPUTK00
	S001410	CPSAK00
	S001409	CPRRK00
	S001406	CPRFK00
	S001405	CPRAK00
	S001404	CPPAK00
	S001403	CPLAK00
	S001402	CPFUK00
	S001401	CPFLK00
	S001400	CPDTK00
	S001399	CPDAK00
	S001398	CPBAK00
	S001397	COFSK00
	S001396	CINSK00
	S001395	CIDBK00
CAR1804	S000978	CINSK00
	S000977	CSQ2100
	S000975	CPLAK00
	S000894	CUGRK00
	S000893	CPUTK00
	S000871	CPSAK00
	S000849	CSQ2100
	S000848	CUTSK00
	S000847	CPUTK00
	S000846	CPRRK00
	S000845	CINSK00
	S000788	CUGRK00
	S000787	CPUTK00
	S000786	CPRRK00
	S000785	CINSK00
	S000704	CPFLK00
	S000631	CSQ2100
	S000081	CPFLK00
CAR1803	S000616	CRCUK00
	S000423	CPDTK00
	S000343	CINSK00
	S000295	CPFUK00
	S000263	CPDTK00
CAR1802	S000201	CUGRK00
	S000077	CIDBK00

CA RS Level	Service	FMID
	S000029	CUGRK00
	S000028	CTGRK00
	S000027	CRCXK00
	S000026	CRCUK00
	S000025	CRCQK00
	S000024	CPUTK00
	S000023	CPRRK00
	S000022	CPRAK00
	S000021	CPPAK00
	S000020	CPLAK00
	S000019	CPFUK00
	S000018	CPFLK00
	S000017	CPDAK00
	S000016	CINSK00
	S000015	CIDBK00
	R099980	CPDTK00
	R099979	CINSK00
	R099968	CSQ2100
	R099946	CPDTK00
	R099899	CSQ2100
CAR1801	R099853	CRCXK00
	R099748	CINSK00
	R099574	CUGRK00
	R099573	CTGRK00
	R099572	CRCXK00
	R099571	CRCUK00
	R099570	CRC SK00
	R099569	CRCQK00
	R099568	CRCMK00
	R099567	CPXNK00
	R099566	CPUTK00
	R099565	CPSAK00
	R099562	CPRFK00
	R099561	CPRAK00
	R099560	CPPAK00
	R099559	CPLAK00
	R099558	CPFUK00
	R099557	CPFLK00
	R099556	CPDTK00
	R099555	CPDAK00
	R099554	COFSK00
	R099553	CINSK00
	R099552	CIDBK00
CAR1712	R099195	CPRFK00
	R098970	CUTSK00
	R098969	CPUTK00
	R098968	CPRRK00

CA RS Level	Service	FMID
	R098967	CINSK00
	R098859	CINSK00
	R098853	CPDTK00
	R098430	CPSAK00
	R098429	CPDTK00
	R098428	CIDBK00
CAR1711	R098496	CPRFK00
	R098251	CPSAK00
	R098088	CPDTK00
	R098087	CINSK00
CAR1710	R098041	CSQ2100
	R097923	CPDTK00
	R097922	CINSK00
	R097825	CPSAK00
	R097824	CPDTK00
	R097823	CINSK00
	R097722	CUGRK00
	R097721	CRCUK00
	R097720	CRCCK00
	R097719	CRCQK00
	R097718	CRCMK00
	R097717	CPUTK00
	R097716	CPSAK00
	R097715	CPRRK00
	R097712	CPRFK00
	R097711	CPRAK00
	R097710	CPPAK00
	R097709	CPLAK00
	R097708	CPFLK00
	R097707	CPDTK00
	R097706	CPDAK00
	R097705	COFSK00
	R097704	CINSK00
	R097703	CIDBK00
CAR1709	R097683	CIDBK00
	R097376	CSQ2100
CAR1708	R097169	CSQ2100
	R097090	CSQ2100
	R096595	CUGRK00
	R096594	CRCUK00
	R096593	CRCQK00
	R096592	CRCMK00
	R096591	CPXNK00
	R096590	CPUTK00
	R096589	CPSAK00
	R096588	CPRRK00
	R096585	CPRFK00

CA RS Level	Service	FMID
	R096584	CPPAK00
	R096583	CPLAK00
	R096582	CPFUK00
	R096581	CPFLK00
	R096580	CPDTK00
	R096579	CPDAK00
	R096578	CPBAK00
	R096577	COFSK00
	R096576	CINSK00
	R096575	CIDBK00
CAR1707	R096495	CSQ2100
	R096401	CUTSK00
CAR1706	R096169	CPSAK00
	R096168	CPDTK00
	R096167	CINSK00
	R096162	CPDAK00
	R096102	CSQ2100
	R096005	CUTSK00
	R096002	CUGRK00
	R095972	CUTSK00
	R095918	CUTSK00