

CA Datacom/AD 15.1
CA RS 2106 Service List

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Service	Description	Type
LU00231	(ENH)USS: UPDATE CADCJDBC.JAR FOR JAVA 1.8	PTF
LU00463	(ENH)USS: UPDATE CADCJDBC.JAR FOR JAVA 1.8	PTF
LU00961	NONSENSICAL DATE OF LAST COMPLETED SCAN IN MESSAGE DB02843I	PTF
LU00988	COMPRESSION ATTRIBUTE IN CREATE TABLE	PTF
LU01046	-20 FOR SOME SCALAR FUNC IN CREATE PROCEDURE AFTER S013742	** PRP **
LU01149	SQLCODE -53 STRING TOO LONG WITH EXPRESSIONS IN PREDICATES	** PRP **
LU01150	RARE MUF LOOP IN DBDSTPR QUERYING MUF_OPEN_BASES	PTF
LU01224	CHARACTERS IN MESSAGES ARE BEING TRUNCATED	PTF
LU01249	BAD SYNTAX ERROR WHEN USING COMPRESSION IN SELECT STATEMENT	** PRP **
LU01259	CREATE TABLE WITH FOREIGN KEY VIA SQL FAILS AFTER LU00472	** PRP **
LU01280	WITH PTF S016004, VSAM/T BATCH CAN GET ABEND SOC4 IN DBINRPR	** PRP **
LU01302	DBUTLTY ACCESS UTLTY FOR AREA WITH USERS=WAIT FAILS TO WAIT	PTF
LU01312	SPILL NOT DRIVEN AFTER A MUF ABEND WITH LXX 100% FULL	PTF
LU01370	ENHANCEMENT: DELIVERS CODE AS BASIS FOR FUTURE ENHANCEMENT	PTF
LU01374	PRIMARY MUF HANGS WAITING ON PLEX MSG REPLY AFTER EXTEND	PTF
LU01428	FRAMEWORK FOR FUTURE ENHANCEMENT	PTF
LU01484	SQL INTERNAL CA7 MASTER KEY CHANGE NO	PTF
S015813	ABEND IN DBSGMPR+00459A FOR CMGDMON	PTF
The CA RS 2106 service count for this release is 18		

CA Datacom/AD
CA RS 2106 Service List for CAADF10

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FMID	Service	Description	Type
CAADF10	LU01259	CREATE TABLE WITH FOREIGN KEY VIA SQL FAILS AFTER LU00472	** PRP **
	LU01428	FRAMEWORK FOR FUTURE ENHANCEMENT	PTF
The CA RS 2106 service count for this FMID is 2			

CA Datacom/AD
CA RS 2106 Service List for CABDF10

FMID	Service	Description	Type
CABDF10	LU00961	NONSENSICAL DATE OF LAST COMPLETED SCAN IN MESSAGE DB02843I	PTF
	LU01150	RARE MUF LOOP IN DBDSTPR QUERYING MUF_OPEN_BASES	PTF
	LU01224	CHARACTERS IN MESSAGES ARE BEING TRUNCATED	PTF
	LU01280	WITH PTF SO16004, VSAM/T BATCH CAN GET ABEND SOC4 IN DBINRPR	** PRP **
	LU01302	DBUTLTY ACCESS UTLTY FOR AREA WITH USERS=WAIT FAILS TO WAIT	PTF
	LU01312	SPILL NOT DRIVEN AFTER A MUF ABEND WITH LXX 100% FULL	PTF
	LU01370	ENHANCEMENT: DELIVERS CODE AS BASIS FOR FUTURE ENHANCEMENT	PTF
	LU01374	PRIMARY MUF HANGS WAITING ON PLEX MSG REPLY AFTER EXTEND	PTF
The CA RS 2106 service count for this FMID is 8			

CA Datacom/AD
CA RS 2106 Service List for CAVEF10

FMID	Service	Description	Type
CAVEF10	LU00988	COMPRESSION ATTRIBUTE IN CREATE TABLE	PTF
	LU01046	-20 FOR SOME SCALAR FUNC IN CREATE PROCEDURE AFTER SO13742	** PRP **
	LU01149	SQLCODE -53 STRING TOO LONG WITH EXPRESSIONS IN PREDICATES	** PRP **
	LU01249	BAD SYNTAX ERROR WHEN USING COMPRESSION IN SELECT STATEMENT	** PRP **
	LU01484	SQL INTERNAL CA7 MASTER KEY CHANGE NO	PTF
	SO15813	ABEND IN DBSGMPR+00459A FOR CMGDMON	PTF
The CA RS 2106 service count for this FMID is 6			

CA Datacom/AD
CA RS 2106 Service List for CAYTF00

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FMID	Service	Description	Type
CAYTF00	LU00463	(ENH)USS: UPDATE CADJDBC.JAR FOR JAVA 1.8	PTF
The CA RS 2106 service count for this FMID is 1			

CA Datacom/AD
CA RS 2106 Service List for CAYTF02

FMID	Service	Description	Type
CAYTF02	LU00231	(ENH)USS: UPDATE CADJCJDBC.JAR FOR JAVA 1.8	PTF
The CA RS 2106 service count for this FMID is 1			

Service	Details
LU00231	LU00231 M.C.S. ENTRIES = ++PTF (LU00231) The following items are included in this solution: 1. (ENH)USS: UPDATE CADCJDBC.JAR FOR JAVA 1.8 2. USS: INTERNAL BUFFER EXCEEDS MAXIMUM SIZE IN JNI ERROR 3. USS: GETPROCEDURES THROWS AN EXCEPTION 4. USS: RIGHT TRUNCATION EXCP DOES NOT SHOW OFFENDING COLUMN 5. USS: UNABLE TO EXECUTE A PREPARED STATEMENT MULTIPLE TIMES 6. USS: IMPLEMENT JAVA.SQL.CONNECTION.SETNETWORKTIMEOUT METHOD ===== (ENH)USS: UPDATE CADCJDBC.JAR FOR JAVA 1.8 ENHANCEMENT DESCRIPTION: Update the CA Datacom JDBC driver, cadcjdbc.jar, to the Java 1.8 compiler compliance level. After applying this PTF, an upgrade to at least Java JRE 1.8 is required. An application running in a JVM prior to Java 1.8 will fail with an Unsupported major.minor version nn.0 exception. PRODUCT(S) AFFECTED: CA Datacom Server Release 15.0 COMPONENTS AFFECTED: cadcjdbc.jar Driver Version: 15.00.?? cadcjdoc.jar Related Problem: DBSRV 744 ===== USS: INTERNAL BUFFER EXCEEDS MAXIMUM SIZE IN JNI ERROR PROBLEM DESCRIPTION: A JDBC application fails with DBIOException when a row exceeds 15,750 bytes. SYMPTOMS: A ca.datacom.db.DBIOException is thrown with the following message: "Internal buffer exceeds maximum size in Jni(DBCall)". Long Message: Internal buffer exceeds maximum size in Jni(DBCall) in Jni(DBCall)in Node(DBCall-64)in Session(Exception executeImmediate) in Query(fetch) at ca.datacom.jdbc.DatacomJdbcObject.getSQLException(DatacomJdbcObject.java) at ca.datacom.jdbc.DatacomStatement.executeQuery(DatacomStatement.java) at ca.datacom.jdbc.DatacomPreparedStatement.executeQuery(DatacomPreparedStatement.java) IMPACT: The JDBC application fails. Neither the CA Datacom Server Mainframe region (SVDBSPR) nor the CA Datacom Multi-User Facility are affected CIRCUMVENTION: If possible, change the query to reduce the number of bytes in the result set row. PRODUCT(S) AFFECTED: CA Datacom Server Version: 15.0 COMPONENTS AFFECTED: cadcjdbc.jar Driver Version: 15.00.019 cadcjdoc.jar Related Problem: DBSRV 739 =====

Service	Details
	USS: GETPROCEDURES THROWS AN EXCEPTION PROBLEM DESCRIPTION: An SQLException occurs when a JDBC application issues DatacomDatabaseMetaData.getProcedures() to retrieve a list of SQL procedures. SYMPTOMS: The CA Datacom JDBC driver throws java.sql.SQLException: ca.datacom.db.DBSQLException when a JDBC application invokes DatacomDatabaseMetaData.getProcedures(). IMPACT: The JDBC application fails. Neither the CA Datacom Server Mainframe region (SVDBSPR) nor the CA Datacom Multi-User Facility are affected. CIRCUMVENTION: None. Product(S) AFFECTED: CA Datacom Server Version 15.0 Related Problem: DBSRV 733 ===== USS: RIGHT TRUNCATION EXCP DOES NOT SHOW OFFENDING COLUMN PROBLEM DESCRIPTION: A JDBC application that calls PreparedStatement.executeQuery() with parameter markers fails with a DBSQLException when the length of the parameter data exceeds the length of the corresponding column. Unfortunately, the message text presented with DBSQLException does not include a reference to the offending parameter. SYMPTOMS: While processing a PreparedStatement with parameter markers for values, the CA Datacom JDBC driver will detect a data exception if the length of the parameter data exceeds the length of the corresponding column. When this condition occurs, an exception similar to the following is thrown. java.sql.SQLException: ca.datacom.db.DBSQLException: ca.datacom.db.DBSQLException: DATA EXCEPTION, RIGHT TRUNCATION WILL OCCUR, COLUMN SIZE 10 VARIABLE SIZE 11 in Session(Exception executeImmediate)in Query(executeParameterized) IMPACT: The JDBC application fails. Neither the CA Datacom Server mainframe region (SVDBSPR) nor the CA Datacom Multi-User Facility are affected. CIRCUMVENTION: Ensure the parameter data is the correct length. PRODUCT(S) AFFECTED:Products CA Datacom Server Version: 15.0 COMPONENTS AFFECTED: cadcjdbc.jar Driver Version: 15.00.019 cadcjdoc.jar Related Problem: DBSRV 754 ===== USS: UNABLE TO EXECUTE A PREPARED STATEMENT MULTIPLE TIMES PROBLEM DESCRIPTION: A JDBC application that uses the same PreparedStatement object to execute a query multiple times terminates with an SQLException after the first execution of the statement.

Service	Details
	SYMPTOMS: After the statement is prepared, the first execution of PreparedStatement.executeQuery() is successful. Any subsequent calls to execute a query with the same PreparedStatement object fails with an exception similar to the following. <pre>java.sql.SQLException: Data conversion error: For input string: "ss" at ca.datacom.jdbc.DatacomJdbcObject.getConversionException (DatacomJdbcObject.java:951) at ca.datacom.jdbc.DatacomPreparedStatement.setQueryObject (DatacomPreparedStatement.java:2872) at ca.datacom.jdbc.DatacomPreparedStatement.executeQuery (DatacomPreparedStatement.java:512).</pre> IMPACT: The application fails with an exception and ends abruptly. Neither the CA Datacom Server mainframe region (SVDBSPR) nor the CA Datacom Multi-User Facility is affected. CIRCUMVENTION: Create a PreparedStatement object using java.sql.Connection.prepareStatement(java.lang.String) before every call to java.sql.PreparedStatement.executeQuery. PRODUCT(S) AFFECTED: CA Datacom Server Version: 15.0 COMPONENTS AFFECTED: cadcjdbc.jar Driver Version: 15.00.019 cadcjdoc.jar Related Problem: DBSRV 763 ===== USS: IMPLEMENT JAVA.SQL.CONNECTION.SETNETWORKTIMEOUT METHOD ENHANCEMENT DESCRIPTION: This enhancement implements the method <pre>java.sql.Connection.setNetworkTimeout(Executor executor, int milliseconds)</pre> in the CA Datacom Server JDBC driver for Type 4 connections. It is used to set the network reply timeout for each request to the Server mainframe region. If any request takes longer than the specified time to respond, then an exception (java.net.SocketTimeoutException: Read timed out) is thrown and the database connection is closed and reset. The Server JDBC driver ignores the first argument, Executor. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 COMPONENTS AFFECTED: cadcjdbc.jar Driver Version: 15.00.019 cadcjdoc.jar Related Problem: DBSRV 12698 Copyright (C) 2021 CA. All rights reserved. R00126-DSR150-SP3 DESC ((ENH)USS: UPDATE CADCJDBC.JAR FOR JAVA 1.8). ++VER (Z038) FMID (CAYTF02) PRE (R067586 R072673 R079251 R079335 R088157 R089160 R099840 S000289 S005096 S006665 S015083)

Service	Details
	SUP (AR79335 LT00231 R074101 R076353 R081768 R087666 R089016 R092663 R096707 R098045 S005865 S007533 ST05865 ST07533 ST08925 TR71893 TR72409 TR72619 TR72654 TR74101 TR76353 TR77237 TR77970 TR81151 TR81768 TR87057 TR87199 TR87666 TR87936 TR89016 TR90698 TR91059 TR91753 TR92663 TR93636 TR94780 TR95141 TR95885 TR95901 TR96233 TR96567 TR96707 TR96954 TR97036 TR97045 TR98045 TR98441) ++IF FMID(CAYTF00) REQ(LU00463) . ++HOLD (LU00231) SYSTEM FMID(CAYTF02) REASON (ACTION) DATE (21141) COMMENT (<pre> +-----+ CA Datacom Server USS Version 15.0 +-----+-----+ +-----+-----+ SEQUENCE After Apply but before using cadcjdbc.jar file on Windows or Linux/Unix. +-----+-----+ PURPOSE An update to the Datacom Server JDBC driver client is required with this SYSMOD. +-----+-----+ USERS All users who use the JDBC driver on non-z/OS platforms. AFFECTED +-----+-----+ KNOWLEDGE Knowledge of the CA Datacom Server JDBC driver and the REQUIRED the JAVA CLASSPATH. +-----+-----+ ACCESS Administrator access is required to install the new REQUIRED Windows client software which delivers the updated cadcjdbc.jar file. +-----+-----+ ***** * STEPS TO PERFORM * ***** Download instructions: Windows Platforms: Download LU00326 from the Download Center on support.broadcom.com For 64-bit, download/install DatacomServer15.0_LU00326_x64.exe For 32-bit, download/install DatacomServer15.0_LU00326_x86.exe For Linux, Unix or other non-Windows platforms, download/install DatacomServer15.0_LU00327.zip). ++HOLD (LU00231) SYSTEM FMID(CAYTF02) REASON (DOC) DATE (21141) COMMENT (+-----+ CA Datacom Server USS Version 15.0 +-----+-----+ ***** * PUBLICATION * ***** This PTF provides an update to the Datacom Server JDBC driver which changes the compiler compliance level of the cadcjdbc.jar file to </pre>

Service	Details
	Java 1.8 compliance. Additionally, the Connection.setNetworkTimeout and Connection.setNetworkTimeout methods are implemented. Information regarding these updates can be found in the Release Notes for CA Datacom Server with the following URL: https://techdocs.broadcom.com/us/en/ca-mainframe-software/database-management/ca-datacom-tools/15-1/release-notes-for-15-1/ca-datacom-server-new-and-enhanced-features-for-15-x.html). BINARY LINK('libcadcdb32.so') PARM(PATHMODE(0,7,7,5),APF,PROGCTL) . BINARY LINK('libcadcdb64.so') PARM(PATHMODE(0,7,7,5),APF,PROGCTL) . LINK('cadcjdbc.jar') PARM(PATHMODE(0,7,7,7)) . LINK('cadcjdoc.jar') PARM(PATHMODE(0,7,7,7)) .

Service	Details
LU00463	LU00463 M.C.S. ENTRIES = ++PTF (LU00463) The following items are included in this solution: 1. (ENH)USS: UPDATE CADCJDBC.JAR FOR JAVA 1.8 2. USS: INTERNAL BUFFER EXCEEDS MAXIMUM SIZE IN JNI ERROR 3. USS: GETPROCEDURES THROWS AN EXCEPTION 4. USS: RIGHT TRUNCATION EXCP DOES NOT SHOW OFFENDING COLUMN 5. USS: UNABLE TO EXECUTE A PREPARED STATEMENT MULTIPLE TIMES 6. USS: IMPLEMENT JAVA.SQL.CONNECTION.SETNETWORKTIMEOUT METHOD ===== (ENH)USS: UPDATE CADCJDBC.JAR FOR JAVA 1.8 ENHANCEMENT DESCRIPTION: Update the CA Datacom JDBC driver, cadcjdbc.jar, to the Java 1.8 compiler compliance level. After applying this PTF, an upgrade to at least Java JRE 1.8 is required. An application running in a JVM prior to Java 1.8 will fail with an Unsupported major.minor version nn.0 exception. PRODUCT(S) AFFECTED: CA Datacom Server Release 15.0 COMPONENTS AFFECTED: cadcjdbc.jar Driver Version: 15.00.?? cadcjdoc.jar Related Problem: DBSRV 744 ===== USS: INTERNAL BUFFER EXCEEDS MAXIMUM SIZE IN JNI ERROR PROBLEM DESCRIPTION: A JDBC application fails with DBIOException when a row exceeds 15,750 bytes. SYMPTOMS: A ca.datacom.db.DBIOException is thrown with the following message: "Internal buffer exceeds maximum size in Jni(DBCall)". Long Message: Internal buffer exceeds maximum size in Jni(DBCall) in Jni(DBCall)in Node(DBCall-64)in Session(Exception executeImmediate) in Query(fetch) at ca.datacom.jdbc.DatacomJdbcObject.getSQLException(DatacomJdbcObject.java) at ca.datacom.jdbc.DatacomStatement.executeQuery(DatacomStatement.java) at ca.datacom.jdbc.DatacomPreparedStatement.executeQuery(DatacomPreparedStatement.java) IMPACT: The JDBC application fails. Neither the CA Datacom Server Mainframe region (SVDBSPR) nor the CA Datacom Multi-User Facility are affected CIRCUMVENTION: If possible, change the query to reduce the number of bytes in the result set row. PRODUCT(S) AFFECTED: CA Datacom Server Version: 15.0 COMPONENTS AFFECTED: cadcjdbc.jar Driver Version: 15.00.019 cadcjdoc.jar Related Problem: DBSRV 739 =====

Service	Details
	USS: GETPROCEDURES THROWS AN EXCEPTION PROBLEM DESCRIPTION: An SQLException occurs when a JDBC application issues DatacomDatabaseMetaData.getProcedures() to retrieve a list of SQL procedures. SYMPTOMS: The CA Datacom JDBC driver throws java.sql.SQLException: ca.datacom.db.DBSQLException when a JDBC application invokes DatacomDatabaseMetaData.getProcedures(). IMPACT: The JDBC application fails. Neither the CA Datacom Server Mainframe region (SVDBSPR) nor the CA Datacom Multi-User Facility are affected. CIRCUMVENTION: None. Product(S) AFFECTED: CA Datacom Server Version 15.0 Related Problem: DBSRV 733 ===== USS: RIGHT TRUNCATION EXCP DOES NOT SHOW OFFENDING COLUMN PROBLEM DESCRIPTION: A JDBC application that calls PreparedStatement.executeQuery() with parameter markers fails with a DBSQLException when the length of the parameter data exceeds the length of the corresponding column. Unfortunately, the message text presented with DBSQLException does not include a reference to the offending parameter. SYMPTOMS: While processing a PreparedStatement with parameter markers for values, the CA Datacom JDBC driver will detect a data exception if the length of the parameter data exceeds the length of the corresponding column. When this condition occurs, an exception similar to the following is thrown. java.sql.SQLException: ca.datacom.db.DBSQLException: ca.datacom.db.DBSQLException: DATA EXCEPTION, RIGHT TRUNCATION WILL OCCUR, COLUMN SIZE 10 VARIABLE SIZE 11 in Session(Exception executeImmediate)in Query(executeParameterized) IMPACT: The JDBC application fails. Neither the CA Datacom Server mainframe region (SVDBSPR) nor the CA Datacom Multi-User Facility are affected. CIRCUMVENTION: Ensure the parameter data is the correct length. PRODUCT(S) AFFECTED:Products CA Datacom Server Version: 15.0 COMPONENTS AFFECTED: cadcjdbc.jar Driver Version: 15.00.019 cadcjdoc.jar Related Problem: DBSRV 754 ===== USS: UNABLE TO EXECUTE A PREPARED STATEMENT MULTIPLE TIMES PROBLEM DESCRIPTION: A JDBC application that uses the same PreparedStatement object to execute a query multiple times terminates with an SQLException after the first execution of the statement.

Service	Details
	SYMPTOMS: After the statement is prepared, the first execution of PreparedStatement.executeQuery() is successful. Any subsequent calls to execute a query with the same PreparedStatement object fails with an exception similar to the following. <pre>java.sql.SQLException: Data conversion error: For input string: "ss" at ca.datacom.jdbc.DatacomJdbcObject.getConversionException (DatacomJdbcObject.java:951) at ca.datacom.jdbc.DatacomPreparedStatement.setQueryObject (DatacomPreparedStatement.java:2872) at ca.datacom.jdbc.DatacomPreparedStatement.executeQuery (DatacomPreparedStatement.java:512).</pre> IMPACT: The application fails with an exception and ends abruptly. Neither the CA Datacom Server mainframe region (SVDBSPR) nor the CA Datacom Multi-User Facility is affected. CIRCUMVENTION: Create a PreparedStatement object using java.sql.Connection.prepareStatement(java.lang.String) before every call to java.sql.PreparedStatement.executeQuery. PRODUCT(S) AFFECTED: CA Datacom Server Version: 15.0 COMPONENTS AFFECTED: cadcjdbc.jar Driver Version: 15.00.019 cadcjdoc.jar Related Problem: DBSRV 763 ===== USS: IMPLEMENT JAVA.SQL.CONNECTION.SETNETWORKTIMEOUT METHOD ENHANCEMENT DESCRIPTION: This enhancement implements the method <pre>java.sql.Connection.setNetworkTimeout(Executor executor, int milliseconds)</pre> in the CA Datacom Server JDBC driver for Type 4 connections. It is used to set the network reply timeout for each request to the Server mainframe region. If any request takes longer than the specified time to respond, then an exception (java.net.SocketTimeoutException: Read timed out) is thrown and the database connection is closed and reset. The Server JDBC driver ignores the first argument, Executor. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 COMPONENTS AFFECTED: cadcjdbc.jar Driver Version: 15.00.019 cadcjdoc.jar Related Problem: DBSRV 12698 Copyright (C) 2021 CA. All rights reserved. R00126-DSR150-SP3 DESC((ENH)USS: UPDATE CADCJDBC.JAR FOR JAVA 1.8). ++VER (Z038) FMID (CAYTF00) PRE (R067585 R072672 R079250 R079334 R080137 R088156 R089159 R099839 S000288 S005095 S006664 S015082

CA Datacom/AD 15.1
CA RS 2106 - PTF LU00463 Details

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Service	Details
	SO16056) SUP (AS15082 LT00463 SO15298 ST08924 ST09508 ST15298 TR72408 TR72618 TR72653 TR73584 TR96953 TR97044 TR98440) ++IF FMID(CAYTF02) REQ(LU00231) .

Service	Details
LU00961	LU00961 M.C.S. ENTRIES = ++PTF (LU00961) NONSENSICAL DATE OF LAST COMPLETED SCAN IN MESSAGE DB02843I PROBLEM DESCRIPTION: CA Datacom/DB message DB02843I contains an invalid, incorrect value for the date field of the URI-REUSE scan. SYMPTOMS: The number following URI-REUSE in message DB02843I is incomprehensible. It should represent the date of the last completed scan. In the reported case, the message was: DB02843I - DATA AREA INFO - 171 SCT TA24 URI-REUSE-Û5Û6Û3 IMPACT: The message is confusing and misleading. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 13430 Copyright (C) 2021 CA. All rights reserved. R00871-DCM151-SP2 DESC(NONSENSICAL DATE OF LAST COMPLETED SCAN IN MESSAGE DB02843I). ++VER (Z038) FMID (CABDF10) PRE (LU00290 R088863 R090903 R091632 R092259 R093647 R094095 R096133 R097382 R098364 R099675 S000074 S001215 S008120 S010082 S011906 S012932 S013162 S014296) SUP (LT00161 LT00961 LU00161 R098737 R098973 S004096 S007055 S007786 S009682 S010439 S010870 ST04096 ST07055 ST07786 ST09682 ST10439 ST10870 TR98737 TR98973)

Service	Details
LU00988	LU00988 M.C.S. ENTRIES = ++PTF (LU00988) COMPRESSION ATTRIBUTE IN CREATE TABLE ENHANCEMENT DESCRIPTION: This enhancement adds the ability to specify compression when creating tables in SQL. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 Related Problem: SQL 13334 Copyright (C) 2021 CA. All rights reserved. R00874-DCM151-SP2 DESC (COMPRESSION ATTRIBUTE IN CREATE TABLE) . ++VER (Z038) FMID (CAVEF10) PRE (LU00985 R090155 R090826 R095352 R097131 S001886 S004243 S005243 S005343 S005935 S006396 S006440 S006473 S007544 S008374 S008452 S009437 S010328 S010335 S011629 S012497 S013742 S013992 S014147 S014725 S015165 S015755) SUP (AS06174 AS08374 FC92212 IC92212 LT00819 LT00988 R088611 R094696 R099964 S004045 S004927 S006174 S006999 S008801 S008933 S013055 S013286 S013544 S014423 S014667 ST04045 ST04927 ST06174 ST06999 ST08801 ST08933 ST13055 ST13286 ST13544 ST14423 ST14667 TR88611 TR94696 TR99964) ++IF FMID(CAADF10) REQ(LU01022) . ++HOLD (LU00988) SYSTEM FMID(CAVEF10) REASON (DOC) DATE (21123) COMMENT (+-----+ CA Datacom SQL Release 15.1 +-----+ ***** * PUBLICATION * ***** Documentation for the new COMPRESSION ATTRIBUTE IN CREATE TABLE included in this solution can be found in the Datacom Core - 15.1 TechDocs space, which can be found at the following link by carefully removing the imbedded blanks it contains: https://techdocs.broadcom.com/us/en/ca-mainframe-software/database-management/ca-datacom/15-1/reference/sql-reference/sql-statements/create-table-statement.html).

Service	Details
LU01046	LU01046 M.C.S. ENTRIES = ++PTF (LU01046) -20 FOR SOME SCALAR FUNC IN CREATE PROCEDURE AFTER S013742 PROBLEM DESCRIPTION: When using certain scalar functions (ie. HEX), in CREATE PROCEDURE, MUF returns a syntax error after applying S013742. SYMPTOMS: MUF returns a syntax error, and PROCEDURE is not created. IMPACT: Unable to create procedures using certain scalar functions. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 Related Problem: SQL 13510 Copyright (C) 2021 CA. All rights reserved. R00876-DCM151-SP2 DESC(-20 FOR SOME SCALAR FUNC IN CREATE PROCEDURE AFTER S013742). ++VER (Z038) FMID (CAVEF10) PRE (LU00988 R090155 R097131 S001886 S005243 S005343 S007544 S008801 S010328 S010335 S011629 S012497 S013742) SUP (AS06174 AS13742 LT01046 R099964 S006174 S006999 S014423 ST06174 ST06999 ST14423 TR99964)

Service	Details
LU01149	LU01149 M.C.S. ENTRIES = ++PTF (LU01149) SQLCODE -53 STRING TOO LONG WITH EXPRESSIONS IN PREDICATES PROBLEM DESCRIPTION: After S011629 predicates with expressions that create a result with a length greater than the column are rejected. SYMPTOMS: Such queries are rejected with SQLCODE -53 STRING TOO LONG. IMPACT: The query cannot be proccessed. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 Related Problem: SQL 13511 Copyright (C) 2021 CA. All rights reserved. R00880-DCM151-SP2 DESC(SQLCODE -53 STRING TOO LONG WITH EXPRESSIONS IN PREDICATES). ++VER (Z038) FMID (CAVEF10) PRE (R090155 R090826 R090854 R093613 R095978 R097131 S001886 S005243 S005343 S006396 S007544 S010328 S011629 S012497 S013173 S013526 S015755 S016078) SUP (AS12743 DS11629 ES11629 FS11629 LT00055 LT00059 LT00425 LT01149 LU00425 R088550 R089842 R099168 S004003 S010380 S012743 S013630 S014068 S015527 ST04003 ST09801 ST10380 ST12743 ST13630 ST14068 ST15527 TR88208 TR88392 TR88550 TR89842 TR90605 TR99168)

Service	Details
LU01150	LU01150 M.C.S. ENTRIES = ++PTF (LU01150) RARE MUF LOOP IN DBDSTPR QUERYING MUF_OPEN_BASES PROBLEM DESCRIPTION: The CA Datacom/DB Multi-User Facility (MUF) may go into a loop in module DBDSTPR when querying the MUF_OPEN_BASES system table. The loop can occur if a row is found with RUN_UNIT value of 65,535 and a URT_NUMBER value of -1. The loop is rare since this combination of values is not common. SYMPTOMS: The MUF CPU time is much higher than normal. MUF may be unresponsive to application requests, i.e. they may appear to hang. This is due to a MUF loop in module DBDSTPR. IMPACT: There is an outage of the MUF, since it must be cycled. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 13591 Copyright (C) 2021 CA. All rights reserved. R00881-DCM151-SP2 DESC(RARE MUF LOOP IN DBDSTPR QUERYING MUF_OPEN_BASES). ++VER (Z038) FMID (CABDF10) PRE (R093251 R094001 R095667 R096260 S007233 S014507) SUP (LT01150 S000315 ST00315)

Service	Details
LU01224	LU01224 M.C.S. ENTRIES = ++PTF (LU01224) CHARACTERS IN MESSAGES ARE BEING TRUNCATED PROBLEM DESCRIPTION: The CA Datacom/DB Multi-User Facility (MUF) had a variety of different messages, where characters toward the end were truncated. This occurs every time in the course of a MUF's life-cycle. Examples of those messages are: DB00289I - CXX ESTAE UPDATES STARTED DB00289I - CXX ESTAE UPDATES COMPLET instead of: DB00289I - CXX ESTAE UPDATES COMPLETE and: DB00239I - MUF TERMINATION, START NORMAL EOJ DB00239I - MUF TERMINATION, START PROGRAM AB instead of: DB00239I - MUF TERMINATION, START PROGRAM ABEND SYMPTOMS: Messages are being truncated during a MUF's life-cycle. IMPACT: The truncated messages could be confusing or misleading. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 13651 Copyright (C) 2021 CA. All rights reserved. R00884-DCM151-SP2 DESC(CHARACTERS IN MESSAGES ARE BEING TRUNCATED). ++VER (Z038) FMID (CABDF10) PRE (R090903 R091015 R091632 R092858 S001569 S003853 S005129) SUP (LT01224 S005778 S013249 ST05778 ST13249)

Service	Details
LU01249	LU01249 M.C.S. ENTRIES = ++PTF (LU01249) BAD SYNTAX ERROR WHEN USING COMPRESSION IN SELECT STATEMENT PROBLEM DESCRIPTION: When a column with name COMPRESSION is referenced in a query, a SQLCODE -20 (BAD SYNTAX) is incorrectly returned. SYMPTOMS: Query returns SQLCODE -20 (BAD SYNTAX). IMPACT: Queries do not return expected result. CIRCUMVENTION: NONE. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 Related Problem: SQL 13656 Copyright (C) 2021 CA. All rights reserved. R00885-DCM151-SP2 DESC(BAD SYNTAX ERROR WHEN USING COMPRESSION IN SELECT STATEMENT). ++VER (Z038) FMID (CAVEF10) PRE (LU00988 R090155 R097131 S001886 S005243 S005343 S007544 S008801 S010328 S010335 S011629 S012497 S013742) SUP (AL00988 AS06174 AS13742 LT01046 LT01249 LU01046 R099964 S006174 S006999 S014423 ST06174 ST06999 ST14423 TR99964)

Service	Details
LU01259	LU01259 M.C.S. ENTRIES = ++PTF (LU01259) CREATE TABLE WITH FOREIGN KEY VIA SQL FAILS AFTER LU00472 PROBLEM DESCRIPTION: PTF LU00472 inadvertently caused the creation of foreign keys to to cause a NKE4 DSF error when trying to create a table via sql that has a foreign key. SYMPTOMS: DSF Error NKE4 IMPACT: Table fails to create. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom Datadictionary Release 15.1 Related Problem: DD 13657 Copyright (C) 2021 CA. All rights reserved. R00886-DCM151-SP2 DESC(CREATE TABLE WITH FOREIGN KEY VIA SQL FAILS AFTER LU00472) . ++VER (Z038) FMID (CAADF10) PRE (LU00472 R095097 R098231) SUP (AL00472 LT01259 R090950 S014851 ST14851 TR90950)

Service	Details
LU01280	LU01280 M.C.S. ENTRIES = ++PTF (LU01280) WITH PTF S016004, VSAM/T BATCH CAN GET ABEND SOC4 IN DBINRPR PROBLEM DESCRIPTION: After applying PTF S016004, some CA Datacom/DB VSAM Transparency (VSAM/T) batch applications can abend with a SOC4 in module DBINRPR. SYMPTOMS: VSAM/T batch applications abend with a SOC4 in module DBINRPR. IMPACT: Some VSAM/T batch applications cannot be executed successfully. CIRCUMVENTION: Replacing module DBINFPR in only the application's load library may provide a circumvention. The module needs to be replaced with a maintenance level prior to PTF S016004 or even with any version 15.0 DBINFPR. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 13669 Copyright (C) 2021 CA. All rights reserved. R00889-DCM151-SP2 DESC(WITH PTF S016004, VSAM/T BATCH CAN GET ABEND SOC4 IN DBINRPR). ++VER (Z038) FMID (CABDF10) SUP (AS16004 LT01280 R091845 R093201 R094176 R099886 S016004 ST16004 TR91845 TR93201 TR94176 TR99886)

Service	Details
LU01302	LU01302 M.C.S. ENTRIES = ++PTF (LU01302) DBUTLTY ACCESS UTLTY FOR AREA WITH USERS=WAIT FAILS TO WAIT PROBLEM DESCRIPTION: DBUTLTY function ACCESS with parameters STATUS=UTLTY, AREA=aaa and USERS=WAIT does not perform the requested wait for active UPDATE=NO users of the area. The following message is issued: DB00613I - BASE bbb AREA aaa ACCESS UTLTY JOB=jobname NUMBER=rrrrr where bbb denotes the DBID, aaa the area name, and rrrrr the run-unit number of the DBUTLTY job. The absence of active user job names in this message indicates that none were found and therefore no wait was performed, even if such users existed. The failure to wait can cause other operational errors. In the reported case, a subsequent DBUTLTY COMM CLOSE for the area encountered the following error message: DB13001E - UNEXPECTED RETURN CODE 94 (118) MUF UTILITY FOUND USERS SYMPTOMS: The DBUTLTY ACCESS UTLTY function does not perform the requested wait for active UPDATE=NO users. Message DB00613I (see above) is erroneously issued without the names of such user jobs. Since it did not wait for these jobs to finish, the ACCESS function ends prematurely possibly causing other operational errors. IMPACT: The premature end of the ACCESS function can cause various other operational errors. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 13699 Copyright (C) 2021 CA. All rights reserved. R00890-DCM151-SP2 DESC(DBUTLTY ACCESS UTLTY FOR AREA WITH USERS=WAIT FAILS TO WAIT). ++VER (Z038) FMID (CABDF10) PRE (LU00189 LU00290 R088863 R090903 R091015 R091404 R091632 R092259 R092858 R093647 R094095 R096499 R099171 S001215 S003799 S003941 S005882 S006692 S007233 S007900 S009474 S010748 S011247 S011678 S011975 S012203 S012932 S013156 S013882 S015187) SUP (LT01302 R095833 R096568 R097343 R099067 S005131 S008749 S011501 S014070 S015912 S016049 ST05131 ST08749 ST11501 ST14070 ST15912 ST16049 TR95833 TR96568 TR97343 TR99067 VC90081)

Service	Details
LU01312	LU01312 M.C.S. ENTRIES = ++PTF (LU01312) SPILL NOT DRIVEN AFTER A MUF ABEND WITH LXX 100% FULL PROBLEM DESCRIPTION: If a CA Datacom/DB Multi-User Facility (MUF) abends with a 100% full LXX, the subsequent RESTART can fail to perform a SPILL and the MUF does not come up. SYMPTOMS: The following symptoms have been reported: 1. All instances of message DB00109W show TSN values of zeros. 2. The following message: DB00308I LOG AREA IS 100% FULL, nnnnnn BLOCKS SPILLABLE is not generated. Without this message, SPILL automation will not work and the LXX is not spilled. IMPACT: The MUF does not come up and the SPILL is not started. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 13377 Copyright (C) 2021 CA. All rights reserved. R00891-DCM151-SP2 DESC(SPILL NOT DRIVEN AFTER A MUF ABEND WITH LXX 100% FULL). ++VER (Z038) FMID (CABDF10) PRE (LU00047 R090075 R090903 R091404 R093647 R094095 S008300 S014095) SUP (DC90081 LC90081 LT00837 LT01312 R090586 R095037 R096213 R098417 S010776 ST10776 TR90586 TR95037 TR96213 TR98417)

Service	Details
LU01370	LU01370 M.C.S. ENTRIES = ++PTF (LU01370) ENHANCEMENT: DELIVERS CODE AS BASIS FOR FUTURE ENHANCEMENT ENHANCEMENT DESCRIPTION: This product enhancement delivers updated code which will form the basis for future code changes. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 13253 Copyright (C) 2021 CA. All rights reserved. R00894-DCM151-SP2 DESC(ENHANCEMENT: DELIVERS CODE AS BASIS FOR FUTURE ENHANCEMENT). ++VER (Z038) FMID (CABDF10) PRE (LU00047 LU00174 LU00290 LU01374 R088469 R088530 R088863 R089666 R090075 R090276 R090486 R090903 R091015 R091404 R091632 R091648 R092259 R092858 R093251 R093647 R094001 R094095 R094783 R095548 R095667 R096133 R096440 R096852 R097082 R097382 R097700 R097757 R097818 R097893 R098364 R098604 R098926 R099171 R099532 R099997 S000007 S000074 S001215 S001569 S001597 S003799 S003825 S003827 S003879 S003941 S004095 S004298 S004565 S004931 S005360 S006133 S006365 S006692 S006748 S006815 S007190 S007233 S007496 S007835 S007900 S008120 S008300 S008500 S008622 S008926 S009367 S009648 S009683 S010697 S010748 S011244 S011247 S011906 S012178 S013162 S013398 S013594 S013716 S013882 S014067 S014079 S014095 S014100 S014296 S014495 S014507 S014998 S015152 S015187) SUP (AR95548 AR97757 AS05361 AS10748 AS11247 AS14095 LT01370 R090535 R091631 R093092 R093436 R095600 R095761 R096204 R096403 R096420 R096617 R096719 R097490 R097526 R097674 R097677 R098085 R098086 R099100 SC90081 S001390 S001439 S001804 S001888 S003770 S003985 S004745 S005361 S005383 S005583 S005708 S005962 S006547 S006551 S006715 S006945 S007008 S007039 S007425 S007530 S008444 S010261 S010416 S010617 S010624 S011278 S011403 S011435 S011571 S011673 S012632 S012636 S012809 S013189 S013593 S013667 S013991 S014359 S014818 S014951 S016086 ST01390 ST01439 ST01804 ST01888 ST03770 ST03985 ST04618 ST04745 ST05361 ST05383 ST05583 ST05708 ST05961 ST05962 ST06150 ST06516 ST06547 ST06551 ST06715 ST06945 ST07008 ST07039 ST07329 ST07425 ST07530 ST08444 ST10261 ST10416 ST10617 ST10624 ST11278 ST11396 ST11403 ST11435 ST11571 ST11673 ST12632 ST12636 ST12809 ST13189 ST13593 ST13667 ST13837 ST13991 ST14359 ST14818 ST14951 ST16086 TR90535 TR91631 TR93092 TR93436 TR95600 TR95761 TR96204 TR96403 TR96420 TR96617 TR96719 TR97490 TR97526 TR97674 TR97677 TR98085 TR98086 TR99100)

Service	Details
LU01374	LU01374 M.C.S. ENTRIES = ++PTF (LU01374) PRIMARY MUF HANGS WAITING ON PLEX MSG REPLY AFTER EXTEND PROBLEM DESCRIPTION: An OPEN request in the primary CA Datacom/DB Multi-User Facility (MUF) may hang. This can occur if the primary MUF is running in release 15.1 while its Shadow MUF is running either in version 15.0 or 14.0. The hang is preceded by a dynamic extend request for a dataset. Sites which run only 15.1 have no exposure. SYMPTOMS: An OPEN request hangs in a primary MUF. A COMM STATUS command shows "PLEX MSG REPLY" for the hanging task. Other tasks may begin to hang as a result of the initial OPEN hang. IMPACT: Tasks are hanging in the primary MUF until the Shadow MUF is ended. CIRCUMVENTION: Ending the Shadow MUF will resolve the task hangs in the primary MUF. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 13739 Copyright (C) 2021 CA. All rights reserved. R00895-DCM151-SP2 DESC (PRIMARY MUF HANGS WAITING ON PLEX MSG REPLY AFTER EXTEND). ++VER (Z038) FMID (CABDF10) PRE (LU00071 LU00290 R088530 R090903 R091015 R091632 R092259 R094280 R094783 R095667 R098683 R098926 R099738 R099997 S001215 S007233 S010082 S010748 S011951 S013162 S014079 S015187) SUP (AS01215 AS08152 BC90081 LT00061 LT01374 LU00061 R093450 R096806 S003866 S004783 S006519 S008152 S008488 S009270 S010373 S014169 S016006 ST03866 ST04783 ST06519 ST08152 ST08488 ST09270 ST10373 ST14169 ST16006 TR93450 TR96806 YC90081)

Service	Details
LU01428	LU01428 M.C.S. ENTRIES = ++PTF (LU01428) FRAMEWORK FOR FUTURE ENHANCEMENT ENHANCEMENT DESCRIPTION: Adding framework for a future enhancement. SYMPTOMS: None. IMPACT: None. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom Datadictionary Version 15.0 CA Datacom Datadictionary Release 15.1 Related Problem: DD 13762 Copyright (C) 2021 CA. All rights reserved. R00898-DCM151-SP2 DESC(FRAMEWORK FOR FUTURE ENHANCEMENT) . ++VER (Z038) FMID (CAADF10) PRE (S010466) SUP (LT01022 LT01428 LU01022)

Service	Details
LU01484	LU01484 M.C.S. ENTRIES = ++PTF (LU01484) SQL INTERNAL CA7 MASTER KEY CHANGE NO ENHANCEMENT DESCRIPTION: This enhancement adds the ability to force CHANGE = NO for the Master Key on the Primary Key on Create Table. PRODUCT(S) AFFECTED: CA Datacom SQL Version 15.0 CA Datacom SQL Release 15.1 Related Problem: SQL 13733 Copyright (C) 2021 CA. All rights reserved. R00901-DCM151-SP2 DESC (SQL INTERNAL CA7 MASTER KEY CHANGE NO) . ++VER (Z038) FMID (CAVEF10) PRE (LU00988 S001886 S008801) SUP (AS08374 FC92212 LT01484 R088611 S004045 S008374 S008933 S013286 ST04045 ST08374 ST08933 ST13286 TR88611) ++IF FMID(CAADF10) REQ(LU01428) .

Service	Details																																																							
SO15813	SO15813 M.C.S. ENTRIES = ++PTF (SO15813) ABEND IN DBSGMPR+00459A FOR CMGDMON PROBLEM DESCRIPTION: CMGDMON abends when saving the current state. SYMPTOMS: SOC4 ABEND in module DBSGMPR +00459A. IMPACT: CMGDMON must be restarted. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.0 CA Datacom SQL Release 15.1 CMGDMON Release ???? Related Problem: SQL 2264 Copyright (C) 2021 CA. All rights reserved. R00819-DCM151-SP2 DESC (ABEND IN DBSGMPR+00459A FOR CMGDMON) . ++VER (Z038) FMID (CAVEF10) PRE (S008017 S012557) SUP (ST15813) <table> <tr><td>MCS</td><td>LU00231</td><td>STARTS ON PAGE 0002</td></tr> <tr><td>MCS</td><td>LU00463</td><td>STARTS ON PAGE 0008</td></tr> <tr><td>MCS</td><td>LU00961</td><td>STARTS ON PAGE 0012</td></tr> <tr><td>MCS</td><td>LU00988</td><td>STARTS ON PAGE 0013</td></tr> <tr><td>MCS</td><td>LU01046</td><td>STARTS ON PAGE 0015</td></tr> <tr><td>MCS</td><td>LU01149</td><td>STARTS ON PAGE 0015</td></tr> <tr><td>MCS</td><td>LU01150</td><td>STARTS ON PAGE 0016</td></tr> <tr><td>MCS</td><td>LU01224</td><td>STARTS ON PAGE 0017</td></tr> <tr><td>MCS</td><td>LU01249</td><td>STARTS ON PAGE 0018</td></tr> <tr><td>MCS</td><td>LU01259</td><td>STARTS ON PAGE 0019</td></tr> <tr><td>MCS</td><td>LU01280</td><td>STARTS ON PAGE 0019</td></tr> <tr><td>MCS</td><td>LU01302</td><td>STARTS ON PAGE 0020</td></tr> <tr><td>MCS</td><td>LU01312</td><td>STARTS ON PAGE 0021</td></tr> <tr><td>MCS</td><td>LU01370</td><td>STARTS ON PAGE 0022</td></tr> <tr><td>MCS</td><td>LU01374</td><td>STARTS ON PAGE 0024</td></tr> <tr><td>MCS</td><td>LU01428</td><td>STARTS ON PAGE 0025</td></tr> <tr><td>MCS</td><td>LU01484</td><td>STARTS ON PAGE 0025</td></tr> <tr><td>MCS</td><td>SO15813</td><td>STARTS ON PAGE 0026</td></tr> </table>		MCS	LU00231	STARTS ON PAGE 0002	MCS	LU00463	STARTS ON PAGE 0008	MCS	LU00961	STARTS ON PAGE 0012	MCS	LU00988	STARTS ON PAGE 0013	MCS	LU01046	STARTS ON PAGE 0015	MCS	LU01149	STARTS ON PAGE 0015	MCS	LU01150	STARTS ON PAGE 0016	MCS	LU01224	STARTS ON PAGE 0017	MCS	LU01249	STARTS ON PAGE 0018	MCS	LU01259	STARTS ON PAGE 0019	MCS	LU01280	STARTS ON PAGE 0019	MCS	LU01302	STARTS ON PAGE 0020	MCS	LU01312	STARTS ON PAGE 0021	MCS	LU01370	STARTS ON PAGE 0022	MCS	LU01374	STARTS ON PAGE 0024	MCS	LU01428	STARTS ON PAGE 0025	MCS	LU01484	STARTS ON PAGE 0025	MCS	SO15813	STARTS ON PAGE 0026
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CA Datacom/AD 15.1
CA RS 2106 Product/Component Listing

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Product Family	Product	Release
Database	CA DATACOM/AD	15.01.00
	CA IPC	15.01.00
	CA DATACOM	15.00.00
The CA RS 2106 Product/Component Count for this release is 3		

CA RS Level	Service	FMID
CAR2106	S015813	CAVEF10
	LU01484	CAVEF10
	LU01428	CAADF10
	LU01374	CABDF10
	LU01370	CABDF10
	LU01312	CABDF10
	LU01302	CABDF10
	LU01280	CABDF10
	LU01259	CAADF10
	LU01249	CAVEF10
	LU01224	CABDF10
	LU01150	CABDF10
	LU01149	CAVEF10
	LU01046	CAVEF10
	LU00988	CAVEF10
	LU00961	CABDF10
	LU00463	CAYTF00
	LU00231	CAYTF02
CAR2105	S015660	CABDF10
	LU01022	CAADF10
	LU00985	CAVEF10
	LU00984	CABDF10
	LU00981	CAVEF10
	LU00977	CAYTF00
	LU00692	CABDF10
	LU00602	CAVEF10
	LU00472	CAADF10
	LU00425	CAVEF10
	LU00354	CAVEF10
	LU00105	CAVEF10
	LU00065	CAVEF10
CAR2104	LU00668	CAVQF10
	LU00589	CABDF10
	LU00290	CABDF10
CAR2103	S016049	CABDF10
	LU00374	CABDF10
	LU00309	CABDF10
	LU00265	CABDF10
	LU00189	CABDF10
	LU00174	CABDF10
	LU00172	CABDF10
	LU00161	CABDF10
	LU00128	CABDF10
	LU00112	CABDF10
	LU00087	CAVEF10
	LU00056	CAVEF10
	LU00047	CABDF10

CA Datacom/AD 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR2102	S016096	CABDF10
	S016086	CABDF10
	S016084	CAADF10
	S016078	CAVEF10
	S016056	CAYTF00
	S016052	CABDF10
	S016004	CABDF10
	S015871	CABDF10
	LU00071	CABDF10
	LU00061	CABDF10
	LU00053	CABDF10
CAR2101	S016036	CABDF10
	S016006	CABDF10
	S015947	CABDF10
	S015912	CABDF10
	S015889	CAVEF10
	S015866	CAVEF10
	S015862	CABDF10
	S015827	CAVEF10
	S015755	CAVEF10
	S015728	CAVEF10
	S015724	CAADF10
	S015552	CABDF10
	S015243	CABDF10
	S015187	CABDF10
	S015152	CABDF10
CAR2012	S015651	CAADF10
	S015527	CAVEF10
	S015521	CABDF10
	S015490	CAADF10
	S015425	CAVEF10
	S015342	CAVEF10
	S015292	CABDF10
	S014980	CABDF10
CAR2011	S015298	CAYTF00
	S015286	CAADF10
	S015224	CAVEF10
	S015186	CABDF10
	S015165	CAVEF10
	S015083	CAYTF02
	S015082	CAYTF00
	S014998	CABDF10
	S014851	CAADF10
	S014825	CAVEF10
	S014818	CABDF10
	S014813	CAVEF10
	S014667	CAVEF10

CA Datacom/AD 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
	S014578	CAVEF10
	S014423	CAVEF10
	S014067	CABDF10
CAR2010	S015008	CABDF10
	S014957	CAAXF10
	S014951	CABDF10
	S014911	CABDF10
	S014804	CAVEF10
	S014800	CAADF10
	S014765	CABDF10
	S014725	CAVEF10
	S014724	CABDF10
	S014651	CABDF10
	S014542	CABDF10
	S014507	CABDF10
	S014334	CABDF10
	S014297	CAVEF10
	S014271	CAVEF10
	S014100	CABDF10
	S014095	CABDF10
CAR2009	S014600	CAADF10
	S014495	CABDF10
	S014493	CAADF10
	S014369	CAVEF10
	S014359	CABDF10
	S014296	CABDF10
	S014256	CABDF10
	S014169	CABDF10
	S014147	CAVEF10
	S014105	CAVEF10
	S014079	CABDF10
	S013992	CAVEF10
	S013892	CAVEF10
	S011882	CABDF10
	S011872	CAAXF10
CAR2008	S014115	CABDF10
	S014070	CABDF10
	S014068	CAVEF10
	S013991	CABDF10
	S013902	CAVEF10
	S013882	CABDF10
	S013810	CAADF10
	S013788	CAVQF10
	S013742	CAVEF10
	S013740	CABDF10
	S013739	CAVEF10
	S013716	CABDF10

CA Datacom/AD 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
	S013630	CAVEF10
	S013594	CABDF10
	S013581	CABDF10
	S013544	CAVEF10
	S013526	CAVEF10
	S013448	CAAXF10
	S013441	CAADF10
	S013286	CAVEF10
	S013249	CABDF10
	S013055	CAVEF10
CAR2007	S013667	CABDF10
	S013593	CABDF10
	S013463	CABDF10
	S013425	CABDF10
	S013398	CABDF10
	S013370	CABDF10
	S013173	CAVEF10
	S013156	CABDF10
	S013145	CAVEF10
	S013102	CAVEF10
	S013090	CABDF10
	R072189	CAYTF00
	R070316	CAYTF00
	R069811	CAYTF00
	R069282	CAYTF00
	R069183	CAYTF00
	R069180	CAYTF00
	R068064	CAYTF00
CAR2006	S013189	CABDF10
	S013162	CABDF10
	S013093	CAVEF10
	S013040	CABDF10
	S012962	CAVEF10
	S012932	CABDF10
	S012861	CAVEF10
	S012743	CAVEF10
	S011965	CABDF10
	S011513	CABDF10
CAR2005	S012828	CABDF10
	S012809	CABDF10
	S012776	CABDF10
	S012771	CABDF10
	S012636	CABDF10
	S012632	CABDF10
	S012601	CAVEF10
	S012557	CAVEF10
	S012504	CAVEF10

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CA RS Level	Service	FMID
	S012497	CAVEF10
	S012203	CABDF10
	S012178	CABDF10
	S011951	CABDF10
CAR2004	S012202	CAADF10
	S012165	CABDF10
	S012048	CABDF10
	S011975	CABDF10
	S011629	CAVEF10
	S011348	CAVEF10
CAR2003	S012082	CAVQF10
	S011932	CABDF10
	S011906	CABDF10
	S011692	CAADF10
	S011678	CABDF10
	S010586	CAVEF10
CAR2002	S011673	CABDF10
	S011571	CABDF10
	S011562	CABDF10
	S011501	CABDF10
	S011479	CABDF10
	S011436	CABDF10
	S011435	CABDF10
	S011403	CABDF10
	S011331	CABDF10
	S011326	CAVEF10
	S011247	CABDF10
	S011223	CAVEF10
	S011192	CAVEF10
	S010960	CAVEF10
	S010870	CABDF10
	S010702	CAVEF10
	S009941	CAYTF00
CAR2001	S011278	CABDF10
	S011244	CABDF10
	S010748	CABDF10
	S010720	CABDF10
	S010697	CABDF10
CAR1912	S010776	CABDF10
	S010727	CABDF10
	S010624	CABDF10
	S010580	CABDF10
	S010571	CABDF10
	S010439	CABDF10
	S009551	CAVEF10
	S008336	CAVEF10
CAR1911	S010617	CABDF10

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CA RS Level	Service	FMID
	S010523	CAADF10
	S010519	CABDF10
	S010467	CAVEF10
	S010466	CAADF10
	S010462	CAADF10
	S010416	CABDF10
	S010395	CABDF10
	S010380	CAVEF10
	S010373	CABDF10
	S010335	CAVEF10
	S010328	CAVEF10
	S010261	CABDF10
	S010095	CABDF10
	S010082	CABDF10
	S009994	CAVEF10
	S009683	CABDF10
	S009437	CAVEF10
	S009190	CAVEF10
CAR1910	S010109	CABDF10
	S009919	CAADF10
	S009835	CABDF10
	S009814	CAVEF10
	S009679	CABDF10
	S009494	CABDF10
	S009474	CABDF10
CAR1909	S009749	CAADF10
	S009682	CABDF10
	S009648	CABDF10
	S009610	CABDF10
	S009543	CABDF10
	S009510	CABDF10
	S009479	CABDF10
	S009464	CABDF10
	S009367	CABDF10
	S009270	CABDF10
	S008758	CAVEF10
CAR1908	S009219	CABDF10
	S009151	CABDF10
	S009143	CABDF10
	S008933	CAVEF10
	S008913	CAADF10
	S008889	CAVEF10
	S008801	CAVEF10
	S008749	CABDF10
	S008666	CAYTF00
	S008622	CABDF10
	S008452	CAVEF10

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CA RS Level	Service	FMID
	S008294	CABDF10
CAR1907	S009034	CABDF10
	S008926	CABDF10
	S008775	CABDF10
	S008697	CABDF10
	S008685	CABDF10
	S008602	CABDF10
	S008590	CABDF10
	S008488	CABDF10
	S008444	CABDF10
	S008394	CABDF10
	S008374	CAVEF10
	S008110	CAYTF00
	S008017	CAVEF10
CAR1906	S008545	CAADF10
	S008500	CABDF10
	S008458	CAVQF10
	S008300	CABDF10
	S008181	CABDF10
	S008120	CABDF10
	S008032	CABDF10
	S007557	CAVEF10
	S007544	CAVEF10
CAR1905	S008152	CABDF10
	S007948	CABDF10
	S007923	CABDF10
	S007900	CABDF10
	S007867	CAVQF10
	S007846	CABDF10
	S007835	CABDF10
	S007533	CAYTF02
	S007524	CABDF10
	S007519	CABDF10
CAR1904	S007786	CABDF10
	S007735	CAADF10
	S007733	CABDF10
	S007572	CAADF10
	S007564	CAADF10
	S007530	CABDF10
	S007496	CABDF10
	S007480	CABDF10
	S007468	CAVEF10
	S007461	CAVEF10
	S007425	CABDF10
	S007405	CABDF10
	S007233	CABDF10
	S007166	CABDF10

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CA RS Level	Service	FMID
	S007008	CABDF10
	S006957	CABDF10
CAR1903	S007320	CABDF10
	S007262	CABDF10
	S007258	CABDF10
	S007234	CABDF10
	S007219	CABDF10
	S007202	CABDF10
	S007190	CABDF10
	S007141	CABDF10
	S007055	CABDF10
	S007039	CABDF10
	S007034	CABDF10
	S006999	CAVEF10
	S006945	CABDF10
	S006922	CAVEF10
	S006846	CAVEF10
	S006768	CABDF10
	S006750	CAVEF10
	S006748	CABDF10
	S004529	CAADF10
CAR1902	S007113	CABDF10
	S007076	CAVQF10
	S006840	CABDF10
	S006815	CABDF10
	S006692	CABDF10
	S006665	CAYTF02
	S006664	CAYTF00
	S006613	CABDF10
	S006547	CABDF10
	S006404	CABDF10
	S005865	CAYTF02
CAR1901	S006715	CABDF10
	S006676	CABDF10
	S006626	CAVEF10
	S006551	CABDF10
	S006519	CABDF10
	S006473	CAVEF10
	S006440	CAVEF10
	S006422	CABDF10
	S006412	CAVEF10
	S006402	CAVEF10
	S006401	CABDF10
	S006396	CAVEF10
	S006387	CAVEF10
	S006366	CABDF10
	S006365	CABDF10

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CA RS Level	Service	FMID
	S006238	CAVEF10
CAR1812	S006314	CABDF10
	S006231	CAVEF10
	S006217	CABDF10
	S006174	CAVEF10
	S006133	CABDF10
	S005985	CAADF10
	S005964	CABDF10
	S005962	CABDF10
	S005935	CAVEF10
	S005882	CABDF10
	S005562	CAVEF10
CAR1811	S005864	CABDF10
	S005778	CABDF10
	S005738	CABDF10
	S005708	CABDF10
	S005665	CABDF10
	S005617	CABDF10
	S005600	CAVEF10
	S005597	CABDF10
	S005583	CABDF10
	S005492	CABDF10
	S005423	CABDF10
	S005417	CAVEF10
	S005404	CABDF10
	S005360	CABDF10
	S005352	CAVEF10
	S005300	CAVEF10
	S005278	CABDF10
	S005096	CAYTF02
	S005095	CAYTF00
CAR1810	S005596	CABDF10
	S005383	CABDF10
	S005361	CABDF10
	S005343	CAVEF10
	S005301	CABDF10
	S005243	CAVEF10
	S005239	CABDF10
	S005221	CABDF10
	S005210	CAVEF10
	S005206	CABDF10
	S005190	CAVEF10
	S005131	CABDF10
	S005085	CAVQF10
	S004938	CABDF10
	S004931	CABDF10
	S004867	CAVEF10

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CA RS Level	Service	FMID
	S004565	CABDF10
CAR1809	S005129	CABDF10
	S004997	CABDF10
	S004978	CABDF10
	S004969	CAVEF10
	S004927	CAVEF10
	S004889	CAVEF10
	S004849	CAVEF10
	S004783	CABDF10
	S004745	CABDF10
	S004559	CABDF10
	S004538	CABDF10
	S004485	CAADF10
	S003799	CABDF10
	S003704	CABDF10
	S003692	CABDF10
CAR1808	S004646	CAYTF00
	S004357	CAVEF10
	S004298	CABDF10
	S004243	CAVEF10
	S004197	CAVEF10
	S004157	CAADF10
	S004152	CAVEF10
	S004151	CABDF10
	S004095	CABDF10
	S004057	CABDF10
	S003985	CABDF10
	S003866	CABDF10
	S003827	CABDF10
	S001837	CABDF10
	S001707	CAYTF00
	S000289	CAYTF02
	S000288	CAYTF00
	R099018	CAYTF00
CAR1807	S004096	CABDF10
	S004045	CAVEF10
	S004034	CAVEF10
	S004015	CAVEF10
	S004003	CAVEF10
	S003941	CABDF10
	S003895	CAVEF10
	S003879	CABDF10
	S003853	CABDF10
	S003825	CABDF10
	S003791	CAVEF10
	S003770	CABDF10
	S003683	CAVEF10

CA RS Level	Service	FMID
	S001886	CAVEF10
	S001804	CABDF10
CAR1806	S001909	CAVQF10
	S001888	CABDF10
	S001724	CABDF10
	S001708	CABDF10
	S001597	CABDF10
	S001569	CABDF10
	S001512	CAVEF10
	S001439	CABDF10
	S001350	CAVEF10
	S001277	CABDF10
	S001215	CABDF10
	S000956	CAVEF10
	S000902	CAVEF10
	S000890	CAVEF10
	S000167	CABDF10
CAR1805	S001443	CABDF10
	S001390	CABDF10
	S001230	CABDF10
	S001226	CABDF10
	S001212	CABDF10
	S001184	CABDF10
	S001151	CAVQF10
	S000426	CAVEF10
CAR1804	S000922	CABDF10
	S000629	CABDF10
	S000074	CABDF10
	S000007	CABDF10
	R099997	CABDF10
	R099171	CABDF10
CAR1803	S000657	CABDF10
	S000595	CABDF10
	S000475	CABDF10
	S000436	CABDF10
	S000315	CABDF10
CAR1802	S000035	CABDF10
	R099972	CAVEF10
	R099969	CAVEF10
	R099964	CAVEF10
	R099902	CABDF10
	R099886	CABDF10
	R099840	CAYTF02
	R099839	CAYTF00
	R099738	CABDF10
	R099737	CABDF10
	R099516	CABDF10

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CA RS Level	Service	FMID
	R099067	CABDF10
CAR1801	R099675	CABDF10
	R099532	CABDF10
	R099390	CABDF10
	R099352	CABDF10
	R099100	CABDF10
CAR1712	R099168	CAVEF10
	R099051	CAVEF10
	R099007	CAVEF10
	R098973	CABDF10
	R098926	CABDF10
	R098879	CABDF10
	R098846	CABDF10
	R098800	CABDF10
	R098737	CABDF10
	R098604	CABDF10
	R098085	CABDF10
	R098045	CAYTF02
	R097050	CAYTF02
	R097049	CAYTF00
	R095900	CAYTF00
CAR1711	R098683	CABDF10
	R098636	CAADF10
	R098593	CABDF10
	R098521	CAVEF10
	R098426	CABDF10
	R098417	CABDF10
	R098393	CABDF10
	R098364	CABDF10
	R098348	CABDF10
	R098249	CABDF10
	R098231	CAADF10
	R098220	CABDF10
	R098142	CABDF10
	R098059	CABDF10
CAR1710	R098254	CAYTF00
	R098204	CAADF10
	R098170	CAADF10
	R098086	CABDF10
	R097972	CABDF10
	R097932	CABDF10
	R097893	CABDF10
	R097868	CAADF10
	R097818	CABDF10
	R097757	CABDF10
	R097743	CABDF10
	R097729	CABDF10

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CA RS Level	Service	FMID
	R097723	CABDF10
	R097700	CABDF10
	R097674	CABDF10
	R097607	CAADF10
CAR1709	R097677	CABDF10
	R097639	CABDF10
	R097626	CABDF10
	R097526	CABDF10
	R097493	CAADF10
	R097490	CABDF10
	R097467	CAVQF10
	R097460	CAADF10
	R097416	CABDF10
	R097392	CABDF10
	R097386	CAADF10
	R097382	CABDF10
	R097343	CABDF10
	R097329	CABDF10
	R097238	CABDF10
	R097236	CAVEF10
	R097225	CAVEF10
	R097209	CABDF10
	R097131	CAVEF10
	R097126	CAVEF10
	R096797	CAVEF10
	R096118	CAVEF10
	R095978	CAVEF10
CAR1708	R097082	CABDF10
	R096949	CAADF10
	R096852	CABDF10
	R096824	CABDF10
	R096821	CABDF10
	R096806	CABDF10
	R096769	CABDF10
	R096719	CABDF10
	R096617	CABDF10
	R096370	CABDF10
CAR1707	R096707	CAYTF02
	R096568	CABDF10
	R096537	CAADF10
	R096499	CABDF10
	R096447	CABDF10
	R096440	CABDF10
	R096426	CABDF10
	R096420	CABDF10
	R096403	CABDF10
	R096260	CABDF10

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CA RS Level	Service	FMID
	R096191	CABDF10
	R095487	CAADF10
CAR1706	R096346	CAADF10
	R096313	CABDF10
	R096312	CABDF10
	R096304	CAADF10
	R096300	CABDF10
	R096257	CAADF10
	R096252	CABDF10
	R096213	CABDF10
	R096204	CABDF10
	R096133	CABDF10
	R096053	CABDF10
	R095915	CABDF10
	R095833	CABDF10
	R095761	CABDF10
	R095719	CABDF10
	R095676	CABDF10
	R095600	CABDF10
	R095564	CABDF10
	R095097	CAADF10
	R094902	CABDF10
CAR1705	R095737	CAVEF10
	R095667	CABDF10
	R095609	CAVEF10
	R095548	CABDF10
	R095352	CAVEF10
	R095305	CABDF10
	R095277	CABDF10
	R095235	CAVEF10
	R095037	CABDF10
	R094176	CABDF10
CAR1704	R095080	CABDF10
	R094912	CABDF10
	R094907	CABDF10
	R094783	CABDF10
	R094696	CAVEF10
	R094632	CABDF10
CAR1703	R094324	CAVEF10
	R094280	CABDF10
	R094247	CAVEF10
	R093821	CAVEF10
	R093677	CAVEF10
	R093613	CAVEF10
CAR1702	R094095	CABDF10
	R094090	CABDF10
	R094085	CABDF10

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CA RS Level	Service	FMID
	R094001	CABDF10
	R094000	CABDF10
	R093647	CABDF10
	R093616	CABDF10
	R093587	CABDF10
	R093585	CABDF10
	R093486	CAYTF00
CAR1701	R093666	CAVEF10
	R093560	CAVEF10
	R093454	CABDF10
	R093450	CABDF10
	R093436	CABDF10
	R093373	CAADF10
	R093324	CAVEF10
	R093251	CABDF10
	R093201	CABDF10
	R093127	CABDF10
	R093092	CABDF10
	R092954	CABDF10
	R092864	CAVEF10
	R092858	CABDF10
	R092736	CAADF10
	R092663	CAYTF02
	R092600	CABDF10
	R092507	CAADF10
	R092441	CABDF10
	R092436	CABDF10
	R092398	CABDF10
	R092282	CAVEF10
	R092277	CABDF10
	R092259	CABDF10
	R092243	CABDF10
	R092173	CAVEF10
	R092064	CAVEF10
	R092009	CAVEF10
	R091992	CAVEF10
	R091930	CAVEF10
	R091845	CABDF10
	R091732	CABDF10
	R091729	CAVQF10
	R091719	CAADF10
	R091648	CABDF10
	R091632	CABDF10
	R091631	CABDF10
	R091630	CABDF10
	R091587	CABDF10
	R091515	CABDF10

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CA RS Level	Service	FMID
	R091427	CABDF10
	R091404	CABDF10
	R091394	CABDF10
	R091352	CABDF10
	R091254	CABDF10
	R091226	CAVEF10
	R091196	CAADF10
	R091185	CAADF10
	R091180	CABDF10
	R091166	CABDF10
	R091165	CABDF10
	R091141	CABDF10
	R091115	CAVEF10
	R091079	CABDF10
	R091015	CABDF10
	R090950	CAADF10
	R090903	CABDF10
	R090854	CAVEF10
	R090838	CAADF10
	R090826	CAVEF10
	R090821	CABDF10
	R090729	CAADF10
	R090607	CAVQF10
	R090586	CABDF10
	R090535	CABDF10
	R090486	CABDF10
	R090414	CAVQF10
	R090397	CABDF10
	R090276	CABDF10
	R090216	CAVEF10
	R090197	CABDF10
	R090182	CABDF10
	R090179	CABDF10
	R090156	CAVEF10
	R090155	CAVEF10
	R090075	CABDF10
	R090074	CAADF10
	R090065	CABDF10
	R090044	CAVEF10
	R089985	CAVQF10
	R089915	CAVQF10
	R089842	CAVEF10
	R089839	CAVEF10
	R089666	CABDF10
	R089594	CAVQF10
	R089559	CABDF10
	R089521	CAVEF10

CA RS Level	Service	FMID
	R089520	CAVEF10
	R088863	CABDF10
	R088617	CAVEF10
	R088611	CAVEF10
	R088550	CAVEF10
	R088530	CABDF10
	R088480	CAVEF10
	R088479	CAVEF10
	R088475	CAVEF10
	R088469	CABDF10
CAR1608	R089160	CAYTF02
	R089159	CAYTF00
CAR1605	R089016	CAYTF02
CAR1604	R088157	CAYTF02
	R088156	CAYTF00
	R087666	CAYTF02
CAR1602	R081768	CAYTF02
	R079335	CAYTF02
	R079251	CAYTF02
	R076353	CAYTF02
	R074101	CAYTF02
	R073679	CAYTF02
CAR1507	R081721	CAYTF00
CAR1506	R080137	CAYTF00
CAR1505	R079334	CAYTF00
CAR1504	R079250	CAYTF00
CAR1411	R073785	CAYTF00
	R073508	CAYTF00