

CA Datacom Server 15.0
CA RS 2106 Service List

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Service	Description	Type
LU00231	(ENH)USS: UPDATE CADJCJDBC.JAR FOR JAVA 1.8	PTF
LU00463	(ENH)USS: UPDATE CADJCJDBC.JAR FOR JAVA 1.8	PTF
The CA RS 2106 service count for this release is 2		

CA Datacom Server
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 Server
CA RS 2106 Service List for CAYTF02

FMID	Service	Description	Type
CAYTF02	LU00231	(ENH)USS: UPDATE CADJCDBC.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)) .

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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 =====

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Service	Details		
	S016056)		
	SUP (AS15082 LT00463 S015298 ST08924 ST09508 ST15298		
	TR72408 TR72618 TR72653 TR73584 TR96953 TR97044		
	TR98440)		
	++IF FMID(CAYTF02) REQ(LU00231) .		
	MCS	LU00231	STARTS ON PAGE 0002
	MCS	LU00463	STARTS ON PAGE 0008

CA Datacom Server 15.0
CA RS 2106 Product/Component Listing

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Product Family	Product	Release
Database	CA DATACOM SERVER	15.00.00
The CA RS 2106 Product/Component Count for this release is 1		

CA RS Level	Service	FMID
CAR2106	LU00463	CAYTF00
	LU00231	CAYTF02
CAR2105	LU00977	CAYTF00
CAR2102	S016056	CAYTF00
CAR2011	S015298	CAYTF00
	S015083	CAYTF02
	S015082	CAYTF00
CAR2007	R072189	CAYTF00
	R070316	CAYTF00
	R069811	CAYTF00
	R069282	CAYTF00
	R069183	CAYTF00
	R069180	CAYTF00
	R068064	CAYTF00
CAR2002	S009941	CAYTF00
CAR1908	S008666	CAYTF00
CAR1907	S008110	CAYTF00
CAR1905	S007533	CAYTF02
CAR1902	S006665	CAYTF02
	S006664	CAYTF00
	S005865	CAYTF02
CAR1811	S005096	CAYTF02
	S005095	CAYTF00
CAR1808	S004646	CAYTF00
	S001707	CAYTF00
	S000289	CAYTF02
	S000288	CAYTF00
	R099018	CAYTF00
CAR1802	R099840	CAYTF02
	R099839	CAYTF00
CAR1712	R098045	CAYTF02
	R097050	CAYTF02
	R097049	CAYTF00
	R095900	CAYTF00
CAR1710	R098254	CAYTF00
CAR1707	R096707	CAYTF02
CAR1702	R093486	CAYTF00
CAR1701	R092663	CAYTF02
CAR1608	R089160	CAYTF02
	R089159	CAYTF00
CAR1605	R089016	CAYTF02
CAR1604	R088157	CAYTF02
	R088156	CAYTF00
	R087666	CAYTF02
CAR1602	R081768	CAYTF02
	R079335	CAYTF02
	R079251	CAYTF02

CA RS Level	Service	FMID
	R076353	CAYTF02
	R074101	CAYTF02
	R073679	CAYTF02
CAR1507	R081721	CAYTF00
CAR1506	R080137	CAYTF00
CAR1505	R079334	CAYTF00
CAR1504	R079250	CAYTF00
CAR1411	R073785	CAYTF00
	R073508	CAYTF00