

CA Datacom/AD 15.1
CA RS 2011 Service List

Service	Description	Type
S014067	ENHANCEMENT: TRACK DBINRPR VERSIONS BEING USED	PTF
S014423	SQL CREATE DATABASE RETURNS -20 SQLCODE WITH DYN_EXT_SIZE	PTF
S014578	SQLCODE -999 MEMORY AT XXXXXXXX ALREADY FREED WITH DYN SQL	** PRP **
S014667	SQLCOE -20 SYNTAX ERROR USING QUERYNO WITH CREATE BASE/AREA	PTF
S014813	POOR PERFORMANCE FOR SOME "ON" INNER JOINS AFTER S011629	** PRP **
S014818	DBUTLTY REPORT TYPE=H WITHOUT DBID GETS EMPTY REPORT, CC=0	PTF
S014825	SQL MONITOR SHOWS NO DETAILS FOR NESTED TABLE EXPRESSION	PTF
S014851	CODE FOR FUTURE ENHANCEMENT	PTF
S014998	INIT IXX WITH VERIFY=YES GETS RC 43(3) AFTER FAILED LOAD	PTF
S015082	MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE	PTF
S015083	MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE	PTF
S015165	ENHANCEMENT TO SUPPORT FORMAT TEMPLATES IN TO_DATE FUNCTION	PTF
S015186	31 BIT STORAGE OVER ALLOCATED WITH X_DATA_MEMORY_GUARD	PTF
S015224	SOC4 IN STRSERV +0030E8 GROUP BY EXPRESSION WITH NTE	PTF
S015286	SVL ERRORS RUNNING A DETAIL REPORT ON DATABASE OR AREA	PTF
S015298	MF: DATACOM SERVER MAINFRAME REGION CRASHES WITH CHORUSEXT=	*HIP/PRP*
The CA RS 2011 service count for this release is 16		

CA Datacom/AD
CA RS 2011 Service List for CAADF10

FMID	Service	Description	Type
CAADF10	S014851	CODE FOR FUTURE ENHANCEMENT	PTF
	S015286	SVL ERRORS RUNNING A DETAIL REPORT ON DATABASE OR AREA	PTF
The CA RS 2011 service count for this FMID is 2			

CA Datacom/AD
CA RS 2011 Service List for CABDF10

FMID	Service	Description	Type
CABDF10	S014067	ENHANCEMENT: TRACK DBINRPR VERSIONS BEING USED	PTF
	S014818	DBUTLTY REPORT TYPE=H WITHOUT DBID GETS EMPTY REPORT, CC=0	PTF
	S014998	INIT IXX WITH VERIFY=YES GETS RC 43(3) AFTER FAILED LOAD	PTF
	S015186	31 BIT STORAGE OVER ALLOCATED WITH X_DATA_MEMORY_GUARD	PTF
The CA RS 2011 service count for this FMID is 4			

CA Datacom/AD
CA RS 2011 Service List for CAVEF10

FMID	Service	Description	Type
CAVEF10	S014423	SQL CREATE DATABASE RETURNS -20 SQLCODE WITH DYN_EXT_SIZE	PTF
	S014578	SQLCODE -999 MEMORY AT XXXXXXXX ALREADY FREED WITH DYN SQL	** PRP **
	S014667	SQLCOE -20 SYNTAX ERROR USING QUERYNO WITH CREATE BASE/AREA	PTF
	S014813	POOR PERFORMANCE FOR SOME "ON" INNER JOINS AFTER S011629	** PRP **
	S014825	SQL MONITOR SHOWS NO DETAILS FOR NESTED TABLE EXPRESSION	PTF
	S015165	ENHANCEMENT TO SUPPORT FORMAT TEMPLATES IN TO_DATE FUNCTION	PTF
	S015224	SOC4 IN STRSERV +0030E8 GROUP BY EXPRESSION WITH NTE	PTF
The CA RS 2011 service count for this FMID is 7			

CA Datacom/AD
CA RS 2011 Service List for CAYTF00

FMID	Service	Description	Type
CAYTF00	SO15082	MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE	PTF
	SO15298	MF: DATACOM SERVER MAINFRAME REGION CRASHES WITH CHORUSEXT=	*HIP/PRP*
The CA RS 2011 service count for this FMID is 2			

CA Datacom/AD
CA RS 2011 Service List for CAYTF02

FMID	Service	Description	Type
CAYTF02	S015083	MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE	PTF
The CA RS 2011 service count for this FMID is 1			

CA Datacom/AD 15.1
CA RS 2011 - PTF SO14067 Details

Service	Details		
SO14067	<p>SO14067 M.C.S. ENTRIES = ++PTF (SO14067)</p> <p>ENHANCEMENT: TRACK DBINRPR VERSIONS BEING USED</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This product enhancement delivers code which provides support for a new feature which tracks each different interface module (DBINRPR) that connects to a CA Datacom/DB Multi-User Facility (MUF).</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom/DB Release 15.1</p> <p>Related Problem:</p> <p>DB 5673</p> <p>Copyright (C) 2020 CA. All rights reserved. R00746-DCM151-SP2</p> <p>DESC (ENHANCEMENT: TRACK DBINRPR VERSIONS BEING USED).</p> <p>++VER (Z038)</p> <p>FMID (CABDF10)</p> <p>PRE (R088469 R088863 R090075 R090276 R090486 R090903 R091015 R091632 R092259 R092858 R093251 R093647 R094001 R094095 R095667 R096133 R096300 R096499 R096852 R097382 R097818 R098364 R099532 S000007 S001597 S003799 S003879 S006365 S006748 S006840 S007835 S008300 S008500 S008926 S009648 S011906 S012178 S013716 S014095 S014507)</p> <p>SUP (R097743 SC90081 S003770 S003985 S007008 S007530 S010095 S010261 ST03770 ST03985 ST07008 ST07530 ST10095 ST10261 ST13837 ST14067 TR97743)</p> <p>++HOLD (SO14067) SYSTEM FMID(CABDF10)</p> <p>REASON (DOC) DATE (20282)</p> <p>COMMENT (</p> <p>+-----+</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 50%; padding: 2px;">CA Datacom/DB</td> <td style="border: 1px solid black; width: 50%; padding: 2px; text-align: right;">Release 15.1</td> </tr> </table> <p>+-----+</p> <p>*****</p> <p>* PUBLICATION *</p> <p>*****</p> <p>Documentation for the new DBINRPR version tracking 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:</p> <p>https://techdocs.broadcom.com/us/en/ca-mainframe-software/ database-management/ca-datacom/15-1/ release-notes-and-product-information/ca-datacom-features.html</p> <p>).</p>	CA Datacom/DB	Release 15.1
CA Datacom/DB	Release 15.1		

CA Datacom/AD 15.1
 CA RS 2011 - PTF SO14423 Details

Service	Details
SO14423	<p>SO14423 M.C.S. ENTRIES = ++PTF (SO14423)</p> <p>SQL CREATE DATABASE RETURNS -20 SQLCODE WITH DYN_EXT_SIZE</p> <p>PROBLEM DESCRIPTION: When using SQL CREATE DATABASE statement using DYN_EXT_SIZE the query fails with a -20 SQLCODE.</p> <p>SYMPTOMS: The query fails with a -20 SQLCODE.</p> <p>IMPACT: The query fails with a -20 SQLCODE and the database is not created.</p> <p>CIRCUMVENTION: None.</p> <p>PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.0 CA Datacom SQL Release 15.1</p> <p>Related Problem: SQL 2246</p> <p>Copyright (C) 2020 CA. All rights reserved. R00765-DCM151-SP2</p> <p>DESC(SQL CREATE DATABASE RETURNS -20 SQLCODE WITH DYN_EXT_SIZE). ++VER (Z038) FMID (CAVEF10) PRE (RO90155 R097131 S001886 S005243 S005343 S007544 S008801 S010328 S010335 S011629 S012497 S013742) SUP (AS06174 R099964 S006174 S006999 ST06174 ST06999 ST14423 TR99964)</p>

CA Datacom/AD 15.1
 CA RS 2011 - PTF SO14578 Details

Service	Details
SO14578	<p>SO14578 M.C.S. ENTRIES = ++PTF (SO14578)</p> <p>SQLCODE -999 MEMORY AT XXXXXXXX ALREADY FREED WITH DYN SQL</p> <p>PROBLEM DESCRIPTION:</p> <p>After applying PTF SO11629, Dynamic SQL cursors generate SQLCODE -999 errors saying "memory already freed" on the CLOSE CURSOR request.</p> <p>SYMPTOMS:</p> <p>The SQL PXX or SYSOUT contains many SQLCODE -999 errors.</p> <p>IMPACT:</p> <p>Since the return code on CURSOR CLOSE (which can be generated from a COMMIT/ROLLBACK WORK) are not usually checked by an application, the only impact is usually the overhead of producing the dump output.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom SQL Release 15.1</p> <p>Related Problem:</p> <p>SQL 2248</p> <p>Copyright (C) 2020 CA. All rights reserved. R00773-DCM151-SP2</p> <p>DESC (SQLCODE -999 MEMORY AT XXXXXXXX ALREADY FREED WITH DYN SQL) .</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>PRE (R092064 S004197 S004243 S009551 S011192 S011629)</p> <p>SUP (BS11629 R093821 ST14578 TR93821)</p>

CA Datacom/AD 15.1
 CA RS 2011 - PTF SO14667 Details

Service	Details
SO14667	<p>SO14667 M.C.S. ENTRIES = ++PTF (SO14667)</p> <p>SQLCOE -20 SYNTAX ERROR USING QUERYNO WITH CREATE BASE/AREA</p> <p>PROBLEM DESCRIPTION:</p> <p>The problem only affects Datacom AD products. To make DDL changes in an AD Multi-User Facility (MUF), the QUERYNO clause must be used. The SQL grammar is preventing the use of QUERYNO for CREATE/ALTER DATABASE/AREA.</p> <p>SYMPTOMS:</p> <p>The request is rejected with SQLCODE -20 with the last term being QUERYNO.</p> <p>IMPACT:</p> <p>These statements cannot be processed.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom SQL Release 15.1</p> <p>Related Problem:</p> <p>SQL 2249</p> <p>Copyright (C) 2020 CA. All rights reserved. R00776-DCM151-SP2</p> <p>DESC(SQLCOE -20 SYNTAX ERROR USING QUERYNO WITH CREATE BASE/AREA) .</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>PRE (SO01886 SO05243 SO05343 SO06396 SO07544 SO08452</p> <p>SO09437 SO10328 SO10335 SO11629 SO12497 SO13742)</p> <p>SUP (R094696 S004927 ST04927 ST14667 TR94696)</p>

Service	Details
S014813	<p>S014813 M.C.S. ENTRIES = ++PTF (S014813)</p> <p>POOR PERFORMANCE FOR SOME "ON" INNER JOINS AFTER S011629</p> <p>PROBLEM DESCRIPTION:</p> <p>PTF S011629 provided better performance by evaluating predicates referencing columns in previous joins. However, in the case of ON using OR'd predicates from the outer table of the first join, the predicates are now not passed to the Compound Boolean Facility (CBS) where index scan range can be restricted when reading the outer table.</p> <p>Example:</p> <pre>SELECT * FROM T2250A T1 INNER JOIN T2250B T2 ON (T1.COL1 = 'A1' OR T1.COL1 = 'B1') AND T1.COL1 = T2.COL1 ;</pre> <p>The predicates under the OR should be passed to CBS when reading T1.</p> <p>SYMPTOMS:</p> <p>For such queries, performance is not as good as before.</p> <p>IMPACT:</p> <p>Such queries can perform with unacceptable performance.</p> <p>CIRCUMVENTION:</p> <p>If using an INNER JOIN, move the OR'd predicates to the WHERE clause.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom SQL Release 15.1</p> <p>Related Problem:</p> <p>SQL 2250</p> <p>Copyright (C) 2020 CA. All rights reserved. R00784-DCM151-SP2</p> <p>DESC(POOR PERFORMANCE FOR SOME "ON" INNER JOINS AFTER S011629) . ++VER (Z038) FMID (CAVEF10) PRE (S001886 S007544 S009437 S011629) SUP (CS11629 ST14813)</p>

Service	Details
SO14818	<p>SO14818 M.C.S. ENTRIES = ++PTF (SO14818)</p> <p>DBUTLTY REPORT TYPE=H WITHOUT DBID GETS EMPTY REPORT, CC=0</p> <p>PROBLEM DESCRIPTION:</p> <p>DBID= is a required parameter for a DBUTLTY REPORT TYPE=H (history). However, if it is omitted, the function ends with condition code 0 and an empty report output, instead of ending with an error and message:</p> <p>DB10013E REQUIRED KEYWORD MISSING</p> <p>SYMPTOMS:</p> <p>DBUTLTY REPORT TYPE=H does not recognize DBID= as a required parameter and produces an empty report with condition code 0 if it was not specified.</p> <p>IMPACT:</p> <p>The empty report is confusing, since there is no indication that no DBID was specified.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom/DB Version 15.0 CA Datacom/DB Release 15.1</p> <p>Related Problem:</p> <p>DB 5691</p> <p>Copyright (C) 2020 CA. All rights reserved. R00785-DCM151-SP2</p> <p>DESC (DBUTLTY REPORT TYPE=H WITHOUT DBID GETS EMPTY REPORT, CC=0). ++VER (Z038) FMID (CABDF10) PRE (R089666 R090486 R090903 R091015 R092259 R093647 R094095 R095761 R097700 R099532 R099997 S003799 S003825 S005360 S006815 S008300 S010748 S011403) SUP (R091631 R093436 S011673 S012632 S013593 S013667 ST11673 ST12632 ST13593 ST13667 ST14818 TR91631 TR93436)</p>

Service	Details
SO14825	<p>SO14825 M.C.S. ENTRIES = ++PTF (SO14825)</p> <p>SQL MONITOR SHOWS NO DETAILS FOR NESTED TABLE EXPRESSION</p> <p>PROBLEM DESCRIPTION:</p> <p>The query detail statistics are all zero for a Nested Table Expression in the SQL Monitor.</p> <p>SYMPTOMS:</p> <p>Only one row is shown for the NTE, and it is all zeros.</p> <p>IMPACT:</p> <p>It is not possible to tune a query using NTEs.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom SQL Release 15.1</p> <p>Related Problem:</p> <p>SQL 2244</p> <p>Copyright (C) 2020 CA. All rights reserved. R00786-DCM151-SP2</p> <p>DESC(SQL MONITOR SHOWS NO DETAILS FOR NESTED TABLE EXPRESSION).</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>PRE (R090216 R090826 R095978 S000890 S001886 S004034 S004197 S005190 S005935 S007468 S007544 S008017 S008336 S008452 S011326 S011629 S012861)</p> <p>SUP (AR90216 AR90826 AS05190 DC92212 R089521 R092282 R095609 R099972 S004152 S005352 S005417 S006750 S014297 S014369 ST04152 ST05352 ST05417 ST06750 ST08489 ST10139 ST10151 ST10304 ST14297 ST14369 ST14825 TR89521 TR92282 TR95609 TR99972)</p>

CA Datacom/AD 15.1
CA RS 2011 - PTF SO14851 Details

Service	Details
S014851	<p>S014851 M.C.S. ENTRIES = ++PTF (S014851)</p> <p>CODE FOR FUTURE ENHANCEMENT</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This product enhancement delivers updated code which will form the basis for future code changes.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom Datadictionary Release 15.1</p> <p>Related Problem:</p> <p>DD 2210</p> <p>Copyright (C) 2020 CA. All rights reserved. R00787-DCM151-SP2</p> <p>DESC(CODE FOR FUTURE ENHANCEMENT).</p> <p>++VER (Z038)</p> <p>FMID (CAADF10)</p> <p>PRE (R095097 R098231)</p> <p>SUP (R090950 ST14851 TR90950)</p>

Service	Details
SO14998	<p>SO14998 M.C.S. ENTRIES = ++PTF (SO14998)</p> <p>INIT IXX WITH VERIFY=YES GETS RC 43(3) AFTER FAILED LOAD</p> <p>PROBLEM DESCRIPTION:</p> <p>After a failed or cancelled DBUTLTY LOAD or RETIX with OPTIMIZE=YES, a DBUTLTY INIT of the index with VERIFY=YES as well as a DBUTLTY REINIT (which requires VERIFY=YES) fail with return code 43 (3) and message:</p> <p>DB13001E - UNEXPECTED RETURN CODE 43 (3) INDEX UNUSABLE DUE TO LOAD/RETIX OPTIMIZE ERR</p> <p>SYMPTOMS:</p> <p>The INIT or REINIT of the index fails with the above return code and message.</p> <p>IMPACT:</p> <p>The INIT or REINIT function cannot be performed with VERIFY=YES.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom/DB Release 15.1</p> <p>Related Problem:</p> <p>DB 5694</p> <p>Copyright (C) 2020 CA. All rights reserved. R00793-DCM151-SP2</p> <p>DESC(INIT IXX WITH VERIFY=YES GETS RC 43(3) AFTER FAILED LOAD). ++VER (Z038) FMID (CABDF10) PRE (R088530 R088863 R090903 R091015 R091404 R091632 R091648 R092259 R092441 R092858 R094095 R096440 R097382 R097757 R097893 R098604 R099675 R099902 S000074 S003825 S003827 S003941 S004095 S004931 S006692 S006815 S007233 S008622 S010109 S010748 S011247 S011403 S011678 S011906 S011975 S012203 S013594 S013716 S014296) SUP (R093092 S001439 S001888 S007496 S009219 S010416 S010720 S012636 S012771 S013090 S013189 S013991 ST01439 ST01888 ST07496 ST09219 ST10416 ST10720 ST11396 ST12636 ST12771 ST13090 ST13189 ST13991 ST14998 TR93092)</p>

Service	Details
SO15082	<p>SO15082 M.C.S. ENTRIES = ++PTF (SO15082)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> 1. MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE 2. MF: FIX STORAGE OVERLAY, HEAP DAMAGE AND SOC4 ABENDS 3. MF: (ENH) TARGET ZOSV2R2 AND ARCH(8) <p>=====</p> <p>MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE</p> <p>PROBLEM DESCRIPTION:</p> <p>The default setting TCPIP_CONNECT_QUEUE=200 may cause the CA Datacom Server mainframe address space to fail at initialization due to a resource limitation that limits the number of threads in the Server. The messages provided do not indicate why Server can not allocate the requested number of threads. This solution adds DSV00149I to show the reason why a TCPIP thread can not be created during Server initialization.</p> <p>SYMPTOMS:</p> <p>The Server region fails with the following feckless messages.</p> <p>DSV00119E - TCP/IP startup time limit exceeded</p> <p>SER: Only 45 threads created - quit</p> <p>DSV00120E - TCP/IP startup failed see DSV00119E for cause</p> <p>IMPACT:</p> <p>The Server region fails to start. Through trial and error the user must try smaller values for TCPIP_CONNECT_QUEUE to get the Server region to start.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom Server Version 15.0</p> <p>Related Problem:</p> <p>DBSRV 753</p> <p>=====</p> <p>MF: FIX STORAGE OVERLAY, HEAP DAMAGE AND SOC4 ABENDS</p> <p>PROBLEM DESCRIPTION:</p> <p>After a TCPIP connection times out due to inactivity from a client application, a storage overlay may occur depending on timing and a certain sequence of events.</p> <p>SYMPTOMS:</p> <p>The storage overlay may cause SOC4 abends or LE exceptions depending on which piece of storage is overlaid and how it is overlaid.</p> <p>IMPACT:</p> <p>The CA Datacom Server mainframe address space crashes which will cause connections from client applications to be severed. The Datacom Multi-User Facility is not affected.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom Server Version 15.0</p> <p>Related Problem:</p> <p>DBSRV 756</p> <p>=====</p> <p>MF: (ENH) TARGET ZOSV2R2 AND ARCH(8)</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>For better performance Datacom Server object code should target currently supported releases of the z/OS operating systems and IBM hardware. An audit of the Server build process, however, showed that some of the Server code</p>

CA Datacom/AD 15.1
 CA RS 2011 - PTF SO15082 Details

Service	Details
	<p>is compiled at much earlier operating system and hardware levels. With this enhancement, all Datacom Server modules will be compiled with TARGET(LE,zOSV2R2) which defaults to ARCH(8) and exploits IBM z10 hardware.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom Server Version 15.0</p> <p>Related Problem:</p> <p>DBSRV 758</p> <p>Copyright (C) 2020 CA. All rights reserved. R00122-DSR150-SP3</p> <p>DESC(MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE). ++VER (Z038) FMID (CAYTF00) PRE (R067585 R070007 R071053 R072672 R079250 R079334 R088156 R089159 R097049 R099839 S000288 S001707 S005095 S006664) SUP (AR80137 AS08110 R068064 R069180 R069183 R069282 R069811 R070316 R072189 R073508 R073785 R080137 R081721 R093486 R095900 R098254 R099018 S008110 S008666 S009941 ST00124 ST01820 ST03626 ST04413 ST07597 ST07737 ST08110 ST08484 ST08666 ST08924 ST09508 ST09941 ST10634 ST11413 ST12087 ST13105 ST15076 ST15079 ST15082 TR68064 TR68497 TR68627 TR68739 TR68744 TR68949 TR69080 TR69180 TR69183 TR69282 TR69811 TR70295 TR70316 TR70685 TR72189 TR72408 TR72618 TR72653 TR72929 TR73306 TR73508 TR73584 TR73785 TR76312 TR76598 TR77969 TR80137 TR81721 TR84534 TR87198 TR87935 TR91056 TR93419 TR93486 TR94326 TR95900 TR96953 TR97044 TR98254 TR98440 TR99018 TR99712) ++IF FMID(CAYTF02) REQ(SO15083) .</p>

Service	Details
SO15083	<p>SO15083 M.C.S. ENTRIES = ++PTF (SO15083)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> 1. MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE 2. MF: FIX STORAGE OVERLAY, HEAP DAMAGE AND SOC4 ABENDS 3. MF: (ENH) TARGET ZOSV2R2 AND ARCH(8) <p>=====</p> <p>MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE</p> <p>PROBLEM DESCRIPTION:</p> <p>The default setting TCPIP_CONNECT_QUEUE=200 may cause the CA Datacom Server mainframe address space to fail at initialization due to a resource limitation that limits the number of threads in the Server. The messages provided do not indicate why Server can not allocate the requested number of threads. This solution adds DSV00149I to show the reason why a TCPIP thread can not be created during Server initialization.</p> <p>SYMPTOMS:</p> <p>The Server region fails with the following feckless messages.</p> <p>DSV00119E - TCP/IP startup time limit exceeded</p> <p>SER: Only 45 threads created - quit</p> <p>DSV00120E - TCP/IP startup failed see DSV00119E for cause</p> <p>IMPACT:</p> <p>The Server region fails to start. Through trial and error the user must try smaller values for TCPIP_CONNECT_QUEUE to get the Server region to start.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom Server Version 15.0</p> <p>Related Problem:</p> <p>DBSRV 753</p> <p>=====</p> <p>MF: FIX STORAGE OVERLAY, HEAP DAMAGE AND SOC4 ABENDS</p> <p>PROBLEM DESCRIPTION:</p> <p>After a TCPIP connection times out due to inactivity from a client application, a storage overlay may occur depending on timing and a certain sequence of events.</p> <p>SYMPTOMS:</p> <p>The storage overlay may cause SOC4 abends or LE exceptions depending on which piece of storage is overlaid and how it is overlaid.</p> <p>IMPACT:</p> <p>The CA Datacom Server mainframe address space crashes which will cause connections from client applications to be severed. The Datacom Multi-User Facility is not affected.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom Server Version 15.0</p> <p>Related Problem:</p> <p>DBSRV 756</p> <p>=====</p> <p>MF: (ENH) TARGET ZOSV2R2 AND ARCH(8)</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>For better performance Datacom Server object code should target currently supported releases of the z/OS operating systems and IBM hardware. An audit of the Server build process, however, showed that some of the Server code</p>

CA Datacom/AD 15.1
 CA RS 2011 - PTF SO15083 Details

Service	Details
	<p>is compiled at much earlier operating system and hardware levels. With this enhancement, all Datacom Server modules will be compiled with TARGET(LE,zOSV2R2) which defaults to ARCH(8) and exploits IBM z10 hardware.</p> <p>PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0</p> <p>Related Problem: DBSRV 758</p> <p>Copyright (C) 2020 CA. All rights reserved. R00122-DSR150-SP3</p> <p>DESC(MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE). ++VER (Z038) FMID (CAYTF02) PRE (R067586 R072673 R079251 R079335 R088157 R089160 R097050 R099840 S000289 S005096 S006665) SUP (ST13665 ST15077 ST15080 ST15083 TR87057 TR87199 TR87936) ++IF FMID(CAYTF00) REQ(SO15082) . BINARY LINK('libcadcdb32.so') PARM(PATHMODE(0,7,7,5),APF,PROGCTL) . BINARY LINK('libcadcdb64.so') PARM(PATHMODE(0,7,7,5),APF,PROGCTL) . BINARY LINK('cadcmf32') PARM(PATHMODE(0,7,7,5),APF,PROGCTL) .</p>

Service	Details
SO15165	<p>SO15165 M.C.S. ENTRIES = ++PTF (SO15165)</p> <p>ENHANCEMENT TO SUPPORT FORMAT TEMPLATES IN TO_DATE FUNCTION</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This enhancement adds support for format templates to the TO_DATE function. The value of a format template determines how the expression is interpreted and then converted to a timestamp value. Both the expression and the format template must be values that are a built-in CHAR or VARCHAR data type. A valid format template must contain at least one format element, must not contain multiple specifications for any component of a timestamp, and can contain any combination of the format elements.</p> <p>Supported format elements:</p> <p>YYYY 4-digit year (0000-9999)</p> <p>YY Last two digits of the year (00-99). First two digits of the current year are used to determine the full 4-digit year</p> <p>MM Month (01-12)</p> <p>DD Day of month (01-31)</p> <p>HH24 Hour of the day (00-24) in 24-hour format</p> <p>MI Minute (00-59)</p> <p>SS Seconds (00-59)</p> <p>NNNNNN Microseconds (000000-999999)</p> <p>Two format elements can optionally be separated by one or more of the separator characters (' ', '-', '.', '/', ':'). These separator characters can be used in any combination in the format string. Separator characters specified in a format template are used to separate components and are not required to match the separator characters specified in the expression.</p> <p>Leading zeros can be specified for any component of the timestamp value. A substring of the string-expression representing a component of a timestamp (such as year, month, day, hour, minutes, seconds) can include less than the maximum number of digits for that component of the timestamp indicated by the corresponding format element. Any missing digits default to zero.</p> <p>EXAMPLES:</p> <p>TO_DATE('1978-05-06 12:13:14', 'YYYY-MM-DD HH24:MI:SS')</p> <p>Returns '1978-05-06-12.13.14.000000'</p> <p>TO_DATE('05/06/1978 12:00', 'MM/DD/YYYY HH24:MI')</p> <p>Returns '1978-05-06-12.00.00.000000'</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom SQL Release 15.1</p> <p>Related Problem:</p> <p>SQL 2252</p> <p>Copyright (C) 2020 CA. All rights reserved. R00796-DCM151-SP2</p> <p>DESC(ENHANCEMENT TO SUPPORT FORMAT TEMPLATES IN TO_DATE FUNCTION).</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>PRE (RO90826 S001886 S004243 S005343 S005935 S006396 S006440 S006473 S007544 S008801 S010328 S010335 S012497 S013742 S014725)</p> <p>SUP (AR90044 IC92212 R090044 S006412 S010467 S010702 S013055 S014147 ST06412 ST10244 ST10467 ST10702 ST13055 ST14147 ST14983 ST15165 TR89785 TR90044)</p> <p>++HOLD (SO15165) SYSTEM FMID(CAVEF10)</p>

Service	Details
	<pre> REASON (DOC) DATE (20286) COMMENT (+-----+ CA Datacom SQL Release 15.1 +-----+ ***** * PUBLICATION * ***** The value of a format template determines how the expression is interpreted and then converted to a timestamp value. Supported format elements: YYYY 4-digit year (0000-9999) YY Last two digits of the year (0099). First two digits of the current year are used to determine the full 4-digit year MM Month (01-12) DD Day of month (01-31) HH24 Hour of the day (00-24) in 24-hour format MI Minute (00-59) SS Seconds (00-59) NNNNNN Microseconds (000000-999999) Two format elements can optionally be separated by one or more of the separator characters (' ', '-', '.', '/', ':'). Examples TO_DATE('1978-05-06 12:13:14', 'YYYY-MM-DD HH24:MI:SS') Returns '1978-05-06-12.13.14.000000' TO_DATE('05/06/1978 12:00', 'MM/DD/YYYY HH24:MI') Returns '1978-05-06-12.00.00.000000').</pre>

Service	Details
SO15186	<p>SO15186 M.C.S. ENTRIES = ++PTF (SO15186)</p> <p>31 BIT STORAGE OVER ALLOCATED WITH X_DATA_MEMORY_GUARD</p> <p>PROBLEM DESCRIPTION:</p> <p>If "X_DATA_MEMORY_GUARD YES" is specified in the CA Datacom/DB Multi-User Facility (MUF) startup options, excessive 31 bit storage may be allocated in the 31 bit buffer pool. This will occur if the corresponding data buffers reside in 64 bit memory, which is the norm. Since X_DATA_MEMORY_GUARD is intended only to be used when recommended by Datacom support, the problem is rare.</p> <p>SYMPTOMS:</p> <p>MUF consumes too much 31 bit storage in the "BUFS" memory pool.</p> <p>IMPACT:</p> <p>MUF consumes more 31 bit storage than it needs.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom/DB Version 15.0 CA Datacom/DB Release 15.1</p> <p>Related Problem:</p> <p>DB 5697</p> <p>Copyright (C) 2020 CA. All rights reserved. R00799-DCM151-SP2</p> <p>DESC(31 BIT STORAGE OVER ALLOCATED WITH X_DATA_MEMORY_GUARD). ++VER (Z038) FMID (CABDF10) PRE (R088530 R090075 R090276 R090486 R091015 R091632 R092259 R092858 R093251 R094001 R095548 R095667 R097082 R097626 R097818 R099532 R099902 S001597 S003799 S006365 S006692 S007900 S008120 S009683 S014507) SUP (S000035 S005278 S010571 ST00035 ST05278 ST10571 ST15186)</p>

Service	Details
SO15224	<p>SO15224 M.C.S. ENTRIES = ++PTF (SO15224)</p> <p>SOC4 IN STRSERV +0030E8 GROUP BY EXPRESSION WITH NTE</p> <p>PROBLEM DESCRIPTION:</p> <p>The Multi-User Facility (MUF) abnormally terminates when a query contains a Nested Table Expression (NTE) with a GROUP BY expression.</p> <p>Example:</p> <pre>SELECT TOP10.YTD_WAGES FROM TABLE(SELECT 0 - A.YTD_WAGES, MAX(A.YTD_WAGES) YTD_WAGES FROM SYSUSR.PAYROLL A GROUP BY 0 - A.YTD_WAGES) TOP10 QUERYNO 225401;</pre> <p>SYMPTOMS:</p> <p>MUFabend is in DBSRPPR module STRSERV at offset +0030E8.</p> <p>IMPACT:</p> <p>MUF must be restarted.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom SQL Release 15.1</p> <p>Related Problem:</p> <p>SQL 2254</p> <p>Copyright (C) 2020 CA. All rights reserved. R00801-DCM151-SP2</p> <p>DESC(SOC4 IN STRSERV +0030E8 GROUP BY EXPRESSION WITH NTE).</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>PRE (R090216 R090826 S001886 S005190 S007544 S008336 S008452 S011629 S012861 S014297 S014825)</p> <p>SUP (AR90216 AS05190 R089521 R092282 S006750 ST06750 ST08489 ST10151 ST10304 ST15224 TR89521 TR92282)</p>

Service	Details
SO15286	<p>SO15286 M.C.S. ENTRIES = ++PTF (SO15286)</p> <p>SVL ERRORS RUNNING A DETAIL REPORT ON DATABASE OR AREA</p> <p>PROBLEM DESCRIPTION:</p> <p>Using CA Datadictionary's DDUTILTY to produce a DETAIL report for a database or area occurrence results in an SVL error.</p> <p>This error is only produced if the profile of the user is \$DD-DIS or \$DD-UPD. This error is produced as a result of an incorrect definition of the AUTHID column in the Database and Area tables.</p> <p>SYMPTOMS:</p> <p>Executing DDUTILTY to produce a DETAIL report for either a database or area occurrence will result in the error:</p> <p>**** ERROR **** RETURN CODE = DDTSVL0210 INTERNAL - SERVICE LIST ERROR</p> <p>AUTHID NOT RETRIEVABLE</p> <p>IMPACT:</p> <p>The report cannot be run.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED: CA Datacom Datadictionary Release 12.0</p> <p>CA Datacom Datadictionary Version 15.0</p> <p>CA Datacom Datadictionary Release 15.1</p> <p>Related Problem:</p> <p>DD 1942</p> <p>Copyright (C) 2020 CA. All rights reserved. R00804-DCM151-SP2</p> <p>DESC (SVL ERRORS RUNNING A DETAIL REPORT ON DATABASE OR AREA) .</p> <p>++VER (Z038)</p> <p>FMID (CAADF10)</p> <p>PRE (R097607)</p> <p>SUP (ST15286)</p> <p>++HOLD (SO15286) SYSTEM FMID(CAADF10)</p> <p>REASON (ACTION) DATE (20294)</p> <p>COMMENT (</p> <pre> +-----+ CA Datacom Datadictionary Release 15.1 +-----+ SEQUENCE After Apply +-----+ PURPOSE Update attribute access information. +-----+ USERS AFFECTED All +-----+ KNOWLEDGE REQUIRED Datadictionary Administrator +-----+ ACCESS REQUIRED Must be able to execute DDUPDATE and DDCFBLD utilities +-----+ ***** * STEPS TO PERFORM * ***** 1. Apply this SYSMOD with: 'BYPASS(HOLDSYSTEM(ACTION))'. 2. Apply the transactions contained in source member AAD01942 using </pre>

Service	Details
	<p>the DDUPDATE utility.</p> <p>3. After these transactions have been successfully applied, execute an HSD RESET using the DDCFBLD utility to activate the modifications.</p> <p>).</p>

Service	Details																																																
SO15298	<p>SO15298 M.C.S. ENTRIES = ++PTF (SO15298)</p> <p>MF: DATACOM SERVER MAINFRAME REGION CRASHES WITH CHORUSEXT=</p> <p>PROBLEM DESCRIPTION:</p> <p>After applying SO15082, Compliance Event Manager (CEM) customers reported a crash in the Datacom Server Mainframe region/address space. For CEM, the STC name is CEMESRVR or something similar.</p> <p>SYMPTOMS:</p> <p>The Server region crashes with a SOC4 or SOC1 abend depending on which user exit is supplied. In the reported case where the CHORUSEXT= was specified register 0 contained blanks (x'40'), and register 15 x'E7E3F1F0' which is translated in EBCDIC as 'XT10'. The exact symptoms may vary if the CONEXIT or SECEXIT is supplied. It depends on how the exit is coded.</p> <p>IMPACT:</p> <p>In the reported CEM case, the abend occurs the first time a user tries to connect to the CEMESRVR region. The region crashes and no other connections can be made. The Datacom Multi-User address space is not affected by the CEMESRVR crash.</p> <p>CIRCUMVENTION:</p> <p>None. Theoretically, the user exit could be disabled but that would render the Server region unsecured which is not practical.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom Server Version 15.0 CA Compliance Event Manager (CEM) Version 6.0</p> <p>Related Problem:</p> <p>DBSRV 760</p> <p>Copyright (C) 2020 CA. All rights reserved. R00123-DSR150-SP3</p> <p>DESC(MF: DATACOM SERVER MAINFRAME REGION CRASHES WITH CHORUSEXT=).</p> <p>++VER (Z038)</p> <p>FMID (CAYTF00)</p> <p>PRE (SO15082)</p> <p>SUP (AS15082 ST15298)</p> <table border="0"> <tr><td>MCS</td><td>SO14067</td><td>STARTS ON PAGE 0002</td></tr> <tr><td>MCS</td><td>SO14423</td><td>STARTS ON PAGE 0003</td></tr> <tr><td>MCS</td><td>SO14578</td><td>STARTS ON PAGE 0003</td></tr> <tr><td>MCS</td><td>SO14667</td><td>STARTS ON PAGE 0004</td></tr> <tr><td>MCS</td><td>SO14813</td><td>STARTS ON PAGE 0005</td></tr> <tr><td>MCS</td><td>SO14818</td><td>STARTS ON PAGE 0006</td></tr> <tr><td>MCS</td><td>SO14825</td><td>STARTS ON PAGE 0007</td></tr> <tr><td>MCS</td><td>SO14851</td><td>STARTS ON PAGE 0007</td></tr> <tr><td>MCS</td><td>SO14998</td><td>STARTS ON PAGE 0008</td></tr> <tr><td>MCS</td><td>SO15082</td><td>STARTS ON PAGE 0009</td></tr> <tr><td>MCS</td><td>SO15083</td><td>STARTS ON PAGE 0017</td></tr> <tr><td>MCS</td><td>SO15165</td><td>STARTS ON PAGE 0019</td></tr> <tr><td>MCS</td><td>SO15186</td><td>STARTS ON PAGE 0021</td></tr> <tr><td>MCS</td><td>SO15224</td><td>STARTS ON PAGE 0022</td></tr> <tr><td>MCS</td><td>SO15286</td><td>STARTS ON PAGE 0023</td></tr> <tr><td>MCS</td><td>SO15298</td><td>STARTS ON PAGE 0025</td></tr> </table>	MCS	SO14067	STARTS ON PAGE 0002	MCS	SO14423	STARTS ON PAGE 0003	MCS	SO14578	STARTS ON PAGE 0003	MCS	SO14667	STARTS ON PAGE 0004	MCS	SO14813	STARTS ON PAGE 0005	MCS	SO14818	STARTS ON PAGE 0006	MCS	SO14825	STARTS ON PAGE 0007	MCS	SO14851	STARTS ON PAGE 0007	MCS	SO14998	STARTS ON PAGE 0008	MCS	SO15082	STARTS ON PAGE 0009	MCS	SO15083	STARTS ON PAGE 0017	MCS	SO15165	STARTS ON PAGE 0019	MCS	SO15186	STARTS ON PAGE 0021	MCS	SO15224	STARTS ON PAGE 0022	MCS	SO15286	STARTS ON PAGE 0023	MCS	SO15298	STARTS ON PAGE 0025
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CA Datacom/AD 15.1
CA RS 2011 Product/Component Listing

Product Family	Product	Release
Database	CA DATACOM/AD	15.01.00
	CA IPC	15.01.00
	CA DATACOM	15.00.00
The CA RS 2011 Product/Component Count for this release is 3		

CA Datacom/AD 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
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
	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

CA Datacom/AD 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
	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
	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

CA Datacom/AD 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
	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
	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

CA Datacom/AD 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
	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
	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

CA Datacom/AD 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
	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
	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

CA Datacom/AD 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID	
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	
	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	

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	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