CA Datacom Server 15.0
CA RS 2011 Service List

Service	Description	Type
SO15082	MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE	PTF
SO15083	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 release is 3		

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			

FMID	Service	Description	Type
CAYTF02	SO15083	MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE	PTF
The CA RS 2011 service count for this FMID is 1			

Service	Details
SO15082	SO15082 M.C.S. ENTRIES = ++PTF (SO15082) The following items are included in this solution: 1. MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE 2. MF: FIX STORAGE OVERLAY, HEAP DAMAGE AND S0C4 ABENDS 3. MF:(ENH) TARGET ZOSV2R2 AND ARCH(8) ========== MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE PROBLEM DESCRIPTION: 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. SYMPTOMS: The Server region fails with the following feckless messages. DSV00119E - TCP/IP startup time limit exceeded SER: Only 45 threads created - quit DSV00120E - TCP/IP startup failed see DSV00119E for cause IMPACT: 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. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 Related Problem: DBSRV 753 ========== MF: FIX STORAGE OVERLAY, HEAP DAMAGE AND S0C4 ABENDS PROBLEM DESCRIPTION: 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. SYMPTOMS: The storage overlay may cause S0C4 abends or LE exceptions depending on which piece of storage is overlaid and how it is overlaid. IMPACT: 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. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 Related Problem: DBSRV 756 ========== MF:(ENH) TARGET ZOSV2R2 AND ARCH(8) ENHANCEMENT DESCRIPTION: 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

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	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. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 Related Problem: DBSRV 758 Copyright (C) 2020 CA. All rights reserved. R00122-DSR150-SP3 DESC(MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE). ++VER (Z038) FMID (CAYTF00) PRE (RO67585 RO70007 RO71053 RO72672 RO79250 RO79334 RO88156 RO89159 RO97049 RO99839 SO00288 SO01707 SO05095 SO06664) SUP (AR80137 AS08110 RO68064 RO69180 RO69183 RO69282 RO69811 RO70316 RO72189 RO73508 RO73785 RO80137 RO81721 RO93486 RO95900 RO98254 RO99018 SO08110 SO08666 SO09941 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) .

Service	Details
SO15083	SO15083 M.C.S. ENTRIES = ++PTF (SO15083) The following items are included in this solution: 1. MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE 2. MF: FIX STORAGE OVERLAY, HEAP DAMAGE AND S0C4 ABENDS 3. MF:(ENH) TARGET ZOSV2R2 AND ARCH(8) ========== MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE PROBLEM DESCRIPTION: 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. SYMPTOMS: The Server region fails with the following feckless messages. DSV00119E - TCP/IP startup time limit exceeded SER: Only 45 threads created - quit DSV00120E - TCP/IP startup failed see DSV00119E for cause IMPACT: 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. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 Related Problem: DBSRV 753 ========== MF: FIX STORAGE OVERLAY, HEAP DAMAGE AND S0C4 ABENDS PROBLEM DESCRIPTION: 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. SYMPTOMS: The storage overlay may cause S0C4 abends or LE exceptions depending on which piece of storage is overlaid and how it is overlaid. IMPACT: 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. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 Related Problem: DBSRV 756 ========== MF:(ENH) TARGET ZOSV2R2 AND ARCH(8) ENHANCEMENT DESCRIPTION: 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

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	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. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 Related Problem: DBSRV 758 Copyright (C) 2020 CA. All rights reserved. R00122-DSR150-SP3 DESC(MF: ADD DSV00149I TO SHOW REASON FOR THREAD CREATE FAILURE). ++VER (Z038) FMID (CAYTF02) PRE (RO67586 RO72673 RO79251 RO79335 RO88157 RO89160 RO97050 RO99840 SO00289 SO05096 SO06665) 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) .

Service	Details
SO15298	SO15298 M.C.S. ENTRIES = ++PTF (SO15298) MF: DATACOM SERVER MAINFRAME REGION CRASHES WITH CHORUSEXT= PROBLEM DESCRIPTION: 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. SYMPTOMS: The Server region crashes with a S0C4 or S0C1 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. IMPACT: 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. CIRCUMVENTION: None. Theoretically, the user exit could be disabled but that would render the Server region unsecured which is not practical. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 CA Compliance Event Manager (CEM) Version 6.0 Related Problem: DBSRV 760 Copyright (C) 2020 CA. All rights reserved. R00123-DSR150-SP3 DESC(MF: DATACOM SERVER MAINFRAME REGION CRASHES WITH CHORUSEXT=). ++VER (Z038) FMID (CAYTF00) PRE (SO15082) SUP (AS15082 ST15298) MCS SO15082 STARTS ON PAGE 0002 MCS SO15083 STARTS ON PAGE 0010 MCS SO15298 STARTS ON PAGE 0012

Product Family	Product	Release
Database	CA DATACOM SERVER	15.00.00

The CA RS 2011 Product/Component Count for this release is 1

CA RS Level	Service	FMID
CAR2011	SO15298	CAYTF00
	SO15083	CAYTF02
	SO15082	CAYTF00
CAR2007	RO72189	CAYTF00
	RO70316	CAYTF00
	RO69811	CAYTF00
	RO69282	CAYTF00
	RO69183	CAYTF00
	RO69180	CAYTF00
	RO68064	CAYTF00
CAR2002	SO09941	CAYTF00
CAR1908	SO08666	CAYTF00
CAR1907	SO08110	CAYTF00
CAR1905	SO07533	CAYTF02
CAR1902	SO06665	CAYTF02
	SO06664	CAYTF00
	SO05865	CAYTF02
CAR1811	SO05096	CAYTF02
	SO05095	CAYTF00
CAR1808	SO04646	CAYTF00
	SO01707	CAYTF00
	SO00289	CAYTF02
	SO00288	CAYTF00
	RO99018	CAYTF00
CAR1802	RO99840	CAYTF02
	RO99839	CAYTF00
CAR1712	RO98045	CAYTF02
	RO97050	CAYTF02
	RO97049	CAYTF00
	RO95900	CAYTF00
CAR1710	RO98254	CAYTF00
CAR1707	RO96707	CAYTF02
CAR1702	RO93486	CAYTF00
CAR1701	RO92663	CAYTF02
CAR1608	RO89160	CAYTF02
	RO89159	CAYTF00
CAR1605	RO89016	CAYTF02
CAR1604	RO88157	CAYTF02
	RO88156	CAYTF00
	RO87666	CAYTF02
CAR1602	RO81768	CAYTF02
	RO79335	CAYTF02
	RO79251	CAYTF02
	RO76353	CAYTF02
	RO74101	CAYTF02
	RO73679	CAYTF02
CAR1507	RO81721	CAYTF00

CA RS Level	Service	FMID
CAR1506	RO80137	CAYTF00
CAR1505	RO79334	CAYTF00
CAR1504	RO79250	CAYTF00
CAR1411	RO73785	CAYTF00
	RO73508	CAYTF00