

CA ACF2 16.0
CA RS 2106 Service List

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Service	Description	Type
LU00376	NEW MESSAGE DURING REFRESH OF GSO OPTS RECORD WITH NOSTC SET	PTF
LU00392	ADD REFRESH TO ATTRIBUTES ALLOWED IN ELEVATION FOR TAMZ	PTF
LU00718	TAMZ - CUT SMF RECORD FOR ACFRPTNV WHEN AN ELEVATION EXPIRES	PTF
LU00765	STORAGE LEAK SUBPOOL 252 KEY 0 WITH LARGE CERTS	PTF
SO16044	FIX AES256 CACHING AND MFA COMPOUND IN-BAND LOGON PROBLEMS	PTF
SO16143	ALLOW MULTIPLE ROLES, UIDS, PRIVILEGES IN TAMZ	PTF
SO16144	ENF71 SIGNAL FOR TAM/Z ELEVATE ACTIVITY	PTF
SO16145	MOVE ROLE STRUCTURES TO 64 BIT STORAGE	PTF
SO16146	ACFRPTSL: PARM DATA NOT USED AS DEFAULT 'TITLE' VALUE	PTF
SO16147	ADD SUPPORT TO ALLOW CREDENTIALS TO BE PASSED ON ELEVATE CMD	PTF
SO16148	R_FACTOR ALWAYS ISSUES FASTAUTH CALL	PTF
SO16249	OPS/MVS MESSAGE FROM TAMZ ON ENVIRON CHNG	PTF
SO16293	ACFOAENT SVC SOC4 ABEND WITH LARGE SMF RECORD	PTF
SO16302	TEST COMMAND FOR A MASKED KEY DOES NOT SHOW KEY IN OUTPUT	PTF
The CA RS 2106 service count for this release is 14		

CA ACF2
CA RS 2106 Service List for CAX1G00

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FMID	Service	Description	Type
CAX1G00	LU00376	NEW MESSAGE DURING REFRESH OF GSO OPTS RECORD WITH NOSTC SET	PTF
	LU00392	ADD REFRESH TO ATTRIBUTES ALLOWED IN ELEVATION FOR TAMZ	PTF
	LU00718	TAMZ - CUT SMF RECORD FOR ACFRPTNV WHEN AN ELEVATION EXPIRES	PTF
	LU00765	STORAGE LEAK SUBPOOL 252 KEY 0 WITH LARGE CERTS	PTF
	S016044	FIX AES256 CACHING AND MFA COMPOUND IN-BAND LOGON PROBLEMS	PTF
	S016143	ALLOW MULTIPLE ROLES, UIDS, PRIVILEGES IN TAMZ	PTF
	S016144	ENF71 SIGNAL FOR TAM/Z ELEVATE ACTIVITY	PTF
	S016145	MOVE ROLE STRUCTURES TO 64 BIT STORAGE	PTF
	S016146	ACFRPTSL: PARM DATA NOT USED AS DEFAULT 'TITLE' VALUE	PTF
	S016147	ADD SUPPORT TO ALLOW CREDENTIALS TO BE PASSED ON ELEVATE CMD	PTF
	S016148	R_FACTOR ALWAYS ISSUES FASTAUTH CALL	PTF
	S016249	OPS/MVS MESSAGE FROM TAMZ ON ENVIRON CHNG	PTF
	S016293	ACFOAENT SVC SOC4 ABEND WITH LARGE SMF RECORD	PTF
	S016302	TEST COMMAND FOR A MASKED KEY DOES NOT SHOW KEY IN OUTPUT	PTF
The CA RS 2106 service count for this FMID is 14			

CA ACF2 16.0
CA RS 2106 - PTF LU00376 Details

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Service	Details
LU00376	LU00376 M.C.S. ENTRIES = ++PTF (LU00376) NEW MESSAGE DURING REFRESH OF GSO OPTS RECORD WITH NOSTC SET PROBLEM DESCRIPTION: Started tasks can fail with CEE5101C 156/0B0C00FD error. The ACF2 NOSTC option was unintentionally set in GSO OPTS. This change resulted in ACF2 no longer assigning the correct login ID and group ID to started tasks. To help reduce the occurrence of this problem a new message to ACF2 startup or refresh will alert the operator if they are starting with NOSTC enabled. WARNING: GSO OPTIONS NOSTC IS ENABLED - VALIDATION IS INACTIVE FOR STARTED TASKS SYMPTOMS: CEE5101C 156/0B0C00FD Tasks starting with unintended login IDs and group IDs. IMPACT: Task fails to start CIRCUMVENTION: PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 12906 Copyright (C) 2021 CA. All rights reserved. R00873-ACF160-SP1 DESC(NEW MESSAGE DURING REFRESH OF GSO OPTS RECORD WITH NOSTC SET). ++VER (Z038) FMID (CAX1G00) PRE (R089501 R092884 R097921 R099162 S011443 S016138 S016143) SUP (LT00376) ++HOLD (LU00376) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21146) COMMENT (-----+ CA-ACF2-MVS Version 16.0 -----+ SEQUENCE After Apply -----+ PURPOSE This update adds a useful warning that is issued when NOSTC is set in the ACF2 Global Options. The warning will be issued at IPL time or when ACF2 REFRESH(OPTS) is issued and NOSTC is set. -----+ USERS AFFECTED ACF2 Security Administrators Users with ability to IPL system Users with ability to issue ACF2 REFRESH Users with ability to view operator console -----+ KNOWLEDGE REQUIRED Knowledge of ACF2 deployment and runtime libraries

Service	Details
	Knowledge of MSPS PTF application process
	Knowledge to refresh Library look aside facility
	+-----+
ACCESS	
REQUIRED	
	Access to download and apply MSPS PTF
	Access to modify ACF2 runtime libraries
	Access to refresh Library look aside
	+-----+

	* STEPS TO PERFORM *

	1. Apply PTF via MSPS or site application process.
	2. Refresh Library look aside via site process or by issuing
	'/F LLA,REFRESH'
	).

[illegible]

Service	Details
	<pre>* STEPS TO PERFORM * ***** 1. LLA Refresh 2. F ACF2,NEWMOD(ACF00SVA) 3. Stop and restart ACF2).</pre>

Service	Details																																								
LU00718	LU00718 M.C.S. ENTRIES = ++PTF (LU00718) TAMZ - CUT SMF RECORD FOR ACFRPTNV WHEN AN ELEVATION EXPIRES PROBLEM DESCRIPTION: Need to be able to log when a TAMz elevation expires. - An SMF record will be cut for the ACFRPTNV report when an elevation expires. - An OPS/MVS message will be generated - An ENF 71 signal will be sent - A message will be sent to the SJVM journal SYMPTOMS: N/A - This is an enhancement IMPACT: CIRCUMVENTION: PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 12979 Copyright (C) 2021 CA. All rights reserved. R00883-ACF160-SP1 DESC(TAMZ - CUT SMF RECORD FOR ACFRPTNV WHEN AN ELEVATION EXPIRES). ++VER (Z038) FMID (CAX1G00) PRE (R084559 R084877 R092884 R095460 R097779 R099159 R099162 S001422 S001559 S001728 S003886 S003889 S006579 S007898 S009545 S010216 S011443 S011631 S012667 S013978 S016044 S016143 S016147 S016249) SUP (LC87799 LT00718 R091401 R099035 SC87799 S005772 S009114 S012111 S014992 S016144 ST05772 ST09114 ST12111 ST14364 ST14992 ST15522 ST16144 TR91401 TR95607 TR99010 TR99035) ++HOLD (LU00718) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21146) COMMENT (<table> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> CA-ACF2-MVS</td> <td> Version 16.0 </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> SEQUENCE After Apply</td> <td> </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> PURPOSE Activate change without IPL</td> <td> </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> USERS All users</td> <td> </td> </tr> <tr> <td> AFFECTED </td> <td> </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> KNOWLEDGE Operator commands</td> <td> </td> </tr> <tr> <td> REQUIRED </td> <td> </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> ACCESS z/OS Operator console</td> <td> </td> </tr> <tr> <td> REQUIRED </td> <td> </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td colspan="2">*****</td> </tr> <tr> <td colspan="2">* STEPS TO PERFORM *</td> </tr> <tr> <td colspan="2">*****</td> </tr> <tr> <td colspan="2">1. F LLA,REFRESH</td> </tr> </table>	+-----+-----+		CA-ACF2-MVS	Version 16.0	+-----+-----+		SEQUENCE After Apply		+-----+-----+		PURPOSE Activate change without IPL		+-----+-----+		USERS All users		AFFECTED		+-----+-----+		KNOWLEDGE Operator commands		REQUIRED		+-----+-----+		ACCESS z/OS Operator console		REQUIRED		+-----+-----+		*****		* STEPS TO PERFORM *		*****		1. F LLA,REFRESH	
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CA ACF2 16.0
CA RS 2106 - PTF LU00718 Details

Service	Details
	2. F ACF2,NEWMOD(ACFOEGCT) 3. F ACF2,NEWMOD(SAFRT00B) 4. Stop and restart of ACF2) .

CA ACF2 16.0
CA RS 2106 - PTF LU00765 Details

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Service	Details
LU00765	LU00765 M.C.S. ENTRIES = ++PTF (LU00765) STORAGE LEAK SUBPOOL 252 KEY 0 WITH LARGE CERTS PROBLEM DESCRIPTION: Storage leak causing ACF2 address space to exhaust below the line storage when very large certificates or certificate chains are inserted on remote nodes using CPF. Note that the problem could occur in a users address space or batch job without CPF but these are transient in nature and are less likely to be active long enough to experience the problem. The size of the certificate, certificate chain must be greater than 8K before storage starts to leak. SYMPTOMS: Bxxx-xxx abend. Storage filled with B64 encoded certificate buffers. The storage was below the line in subpool=252, key=0. IMPACT: Address space where the cert commands are executed may run out of 24bit storage. If the cert commands are sent to a remote ACF2 system, a site may have to stop and restart ACF2 to clear up the storage until the fix for this problem can be applied. CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 13330 Copyright (C) 2021 CA. All rights reserved. R00885-ACF160-SP1 DESC(STORAGE LEAK SUBPOOL 252 KEY 0 WITH LARGE CERTS) . ++VER (Z038) FMID (CAX1G00) PRE (R095082 R095350 R095905 S005219 S005764 S011690 S016122) SUP (LT00765) ++HOLD (LU00765) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21139) COMMENT (-----+ CA-ACF2-MVS

Service	Details
	<pre>* STEPS TO PERFORM * ***** 1. F LLA,REFRESH 2. F ACF2,NEWMOD(ACF00SVA)).</pre>

Service	Details
SO16044	SO16044 M.C.S. ENTRIES = ++PTF (SO16044) FIX AES256 CACHING AND MFA COMPOUND IN-BAND LOGON PROBLEMS PROBLEM DESCRIPTION: This fix addresses two distinct problems in LOGON processing: 1) The ACF CHANGE subcommand PWCNVRT operand is used to convert a password to AES2 encryption. This fix modifies AES256 cache processing to support caching of passwords encrypted to AES256. 2) The LOGON parameter of the ACFRPTLL report shows the method used for system entry. For IBM MFA Compound In-Band this report now displays MFA for both PASSWORDs and PHRASEs. SYMPTOMS: For passwords converted to AES256 using PWCNVRT, the symptom is a slowdown in password validation processing if there are multiple password validations for the same LOGONID/password combination. For IBM MFA Compound In-Band, the ACFRPTLL report with the LOGON parameter only shows PASSWORD or PHRASE but not MFA. IMPACT: For PWCNVRT, performance is impacted when doing password checking multiple times for the same LOGONID/password combination. For IBM MFA, it will not be apparent that MFA was used for a LOGON. CIRCUMVENTION: For PWCNVRT: If possible, change the password to a new AES256 password at system entry. For IBM MFA Compound In-Band: No circumvention PRODUCT(S) AFFECTED: CA ACF2 FOR Z/OS Release 16.0 Related Problem: ACF2MS 10495 Copyright (C) 2021 CA. All rights reserved. R00849-ACF160-SP1 DESC (FIX AES256 CACHING AND MFA COMPOUND IN-BAND LOGON PROBLEMS) . ++VER (Z038) FMID (CAX1G00) PRE (R080625 R084559 R084877 R084952 R089360 R091120 R092311 R092400 R092884 R095203 R095460 R095461 R097094 R097388 R097777 R097779 R099159 R099162 R099164 S001422 S001518 S001559 S001563 S001728 S003886 S003889 S005388 S005486 S006579 S006686 S007040 S007042 S007326 S010329 S011443 S013143 S013978 S014852 S016143) SUP (AR91120 AR97779 AS01563 AS03889 AS07042 AS11443 BS07042 LC87799 OC87799 RC87799 R091396 R091401 R095192 R097073 R097763 R099035 SC87799 S000374 S000474 S001064 S001101 S003907 S004781 S005045 S005420 S005772 S005787 S007724 S009114 S009545 S009547 S010255 S012328 S013141 S013142 S014547 S014762 S015259 ST00374 ST00474 ST01064 ST01101 ST01849 ST03907 ST04781 ST05045 ST05420 ST05772 ST05787 ST07724 ST09114 ST09545 ST09547 ST10255 ST12086 ST12328 ST12985 ST12992 ST13059 ST13141 ST13142 ST14547 ST14762 ST15259 ST16044 TR91396 TR91401 TR95192 TR95607 TR97073 TR97763 TR99010 TR99035 XC87799)

Service	Details
	<pre> ++HOLD (SO16044) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21138) COMMENT (+-----+ CA-ACF2-MVS Version 16.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Enable new code +-----+ USERS All users AFFECTED +-----+ KNOWLEDGE Operator commands REQUIRED +-----+ ACCESS z/OS Operator console REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** 1. LLA Refresh 2. F ACF2,NEWMOD(ACF00SVA) 3. F ACF2,NEWMOD(ACFOEGCT)). </pre>

Service	Details
SO16143	SO16143 M.C.S. ENTRIES = ++PTF (SO16143) The following items are included in this solution: 1. ALLOW MULTIPLE ROLES, UIDS, PRIVILEGES IN TAMZ 2. SOC4 AT SAFRT007+3E5C AFTER ELEVATE TO SECURITY 3. ABEND B78-14 AFTER SAF0BTAM ENQ RELEASED LOCAL LOCK 4. NEXTKEY LOOP USING EXTENDED RESOURCE KEYS IN ACF2 DB2 ===== ALLOW MULTIPLE ROLES, UIDS, PRIVILEGES IN TAMZ ENHANCEMENT DESCRIPTION: This update will allow sites to specify more than one value for ALTUID, ROLNAME, and ATTRIBUT field in one CLASS record. PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 10411 ===== SOC4 AT SAFRT007+3E5C AFTER ELEVATE TO SECURITY PROBLEM DESCRIPTION: The R_datalib callable service processing may fail with an SOC4 abend in module SAFRT007. The SOC4 abend happens if a user who has ELEVATE'd to SECURITY goes through a 64-bit R_datalib (IRRSDL64) call to retrieve certificates from the *AUTH* virtual keyring. SYMPTOMS: The following messages may be issued: CCSR010E SAFRT007 SOC4 at xxxxxxxx LMOD SAFRT007 CSECT SAFRT007 +003E5C CCSR021I OWNER = CA SAF R16.0 CCSR022I MODULE = SAFRT007 FMID = CAX1G00 RMID = S011887 CCSR067I COMPLETION CODE SOC4 REASON CODE 00000038 IMPACT: R_datalib calls fail with codes RC=8/8:12 because of the SOC4 abend. The impact on the caller will vary depending on the nature of the certificate retrieval request. CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 10481 ===== ABEND B78-14 AFTER SAF0BTAM ENQ RELEASED LOCAL LOCK PROBLEM DESCRIPTION: There is a possibility that the local lock will be erroneously released in SAF0BTAM processing for TAMz. This condition occurs while processing a RACROUTE FASTAUTH call to do PROGRAM class checking for Contents Supervision. Under some circumstances the PROGRAM check FASTAUTH is entered with the lock held and the lock is erroneously released due to an ENQ issued from SAF0BTAM (violating ENQ requirements that no locks can be held). SYMPTOMS:

Service	Details
	Various ABENDS in Content Supervisor processing after the RACROUTE FASTAUTH call, including potential B78-14 ABENDS. IMPACT: Unknown CIRCUMVENTION: Remove SAFDEF that enforces PROGRAM validation PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 10482 ===== NEXTKEY LOOP USING EXTENDED RESOURCE KEYS IN ACF2 DB2 PROBLEM DESCRIPTION: A nextkey loop resource violation when using ACF2 DB2. The error is invalid and happens when the \$KEY of the resource being validated is an extended resource name, longer than 40 characters and it has a nextkey to another rule. For instance: <pre>\$KEY(test.resourcethatisgreaterthan40characters) type(tbl) sysid(xxxx) uid(xxxxxx) service(select) nextkey(shortresource) \$key(shortresource) type(tbl) sysid(xxxx) \$prefix(test.resourcethatisgreaterthan40characters) uid(xxxxxx) service(select) allow</pre> This setup will get the following 2 messages when used for a validation. ACF04063 ACCESS DENIED -- NEXTKEY LOOP ENCOUNTERED. ACF04056 ACCESS TO RESOURCE xxxx... TYPE DTBL BY xxxxxxxx NOT AUTHORIZED SYMPTOMS: ACF04063 ACCESS DENIED -- NEXTKEY LOOP ENCOUNTERED. ACF04056 ACCESS TO RESOURCE xxxx... TYPE DTBL BY xxxxxxxx NOT AUTHORIZED IMPACT: Cannot write rules that have a nextkey in an extended resource key CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 10486 Copyright (C) 2021 CA. All rights reserved. R00859-ACF160-SP1 DESC(ALLOW MULTIPLE ROLES, UIDS, PRIVILEGES IN TAMZ). ++VER (Z038) FMID (CAX1G00) PRE (R080309 R080625 R080628 R081740 R081866 R082764 R084556 R084559 R084877 R084952 R086888 R087790 R088622 R088717 R089039 R089360 R089501 R091169 R091913 R091983 R092884 R094599 R095203 R095218 R095220 R095460 R095905 R096794 R096906 R096914 R097779 R097781 R097842 R097921 R098008 R098208 R099159 R099162 R099742 S000010 S000976 S001422 S001559 S001728 S003886 S003889 S003900 S004209 S006001 S006214 S006579 S006672 S007032 S007040 S007898 S008589 S008710 S009545 S010329 S011443 S011631 S012667 S013143 S013978 S014103 S014108

Service	Details
	SO14269 SO14614 SO14631 SO14735 SO14802) SUP (AR89039 AR92884 AR95220 AR99162 AS10599 AS11856 BR89039 BS03886 BS06579 LC87799 R080418 R091401 R091962 R095562 R095586 R097234 R099035 R099469 R099950 SC87799 S000214 S000564 S003591 S003867 S004077 S004153 S005094 S005539 S005772 S005978 S006633 S007762 S007950 S008196 S008396 S009112 S009114 S009757 S009810 S010166 S010186 S010216 S010599 S011856 S011887 S012111 S013163 S013598 S014992 S016138 S016139 ST00214 ST00564 ST03591 ST03867 ST04077 ST04153 ST05094 ST05539 ST05607 ST05614 ST05772 ST05978 ST06633 ST07762 ST07950 ST08196 ST08250 ST08396 ST09112 ST09114 ST09757 ST09810 ST10166 ST10186 ST10216 ST10599 ST11856 ST11887 ST12111 ST13163 ST13598 ST14257 ST14270 ST14364 ST14575 ST14992 ST15000 ST15173 ST15207 ST15295 ST15327 ST15364 ST15365 ST15366 ST15522 ST15614 ST16138 ST16139 ST16140 ST16141 ST16142 ST16143 TR80418 TR91401 TR91962 TR95562 TR95586 TR95607 TR97234 TR99010 TR99035 TR99469 TR99950 WC87799) ++HOLD (SO16143) SYSTEM FMID(CAX1G00) REASON (IPL) DATE (21137) COMMENT (+-----+ CA-ACF2-MVS Version 16.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Activate change without IPL +-----+ USERS All users AFFECTED +-----+ KNOWLEDGE Operator commands REQUIRED +-----+ ACCESS z/OS Operator console REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** 1. IPL CLPA).

Service	Details																		
SO16144	SO16144 M.C.S. ENTRIES = ++PTF (SO16144) ENF71 SIGNAL FOR TAM/Z ELEVATE ACTIVITY ENHANCEMENT DESCRIPTION: When a user becomes Elevated, TAM/Z will now emit a z/OS ENF71 signal indication. Listeners, such as CICS, may receive the ENF71 signal and take appropriate action, such as expire the user's USRDELAY, causing the user to be refreshed upon next use. PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 10485 Copyright (C) 2021 CA. All rights reserved. R00860-ACF160-SP1 DESC(ENF71 SIGNAL FOR TAM/Z ELEVATE ACTIVITY). ++VER (Z038) FMID (CAX1G00) PRE (R099162 S006579 S007898 S010216 S011631 S012667 SO16143) SUP (S012111 S014992 ST12111 ST14364 ST14992 ST15522 ST16144) ++HOLD (SO16144) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21138) COMMENT (<table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Activate change without IPL</td></tr> <tr> <td>USERS</td><td>All users</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>Operator commands</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>z/OS Operator console</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> ***** * STEPS TO PERFORM * ***** 1. F LLA,REFRESH 2. F ACF2,NEWMOD(SAFRT00B)).	CA-ACF2-MVS	Version 16.0	SEQUENCE	After Apply	PURPOSE	Activate change without IPL	USERS	All users	AFFECTED		KNOWLEDGE	Operator commands	REQUIRED		ACCESS	z/OS Operator console	REQUIRED	
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Service	Details		
SO16145	SO16145 M.C.S. ENTRIES = ++PTF (SO16145) MOVE ROLE STRUCTURES TO 64 BIT STORAGE Enhancement Description: Move role structures above the bar to reduce fragmentation in below the bar CSA storage. SYMPTOMS: ACF8A321 ROLE.. XREF INITIALIZATION FAILED IMPACT: Unable to build in-core Role structure CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 10459 Copyright (C) 2021 CA. All rights reserved. R00861-ACF160-SP1 DESC(MOVE ROLE STRUCTURES TO 64 BIT STORAGE). ++VER (Z038) FMID (CAX1G00) PRE (R080946 R082764 R083659 R092884 R096914 R099162 R099742 S000930 S003742 S003889 S006579 S007032 S010329 S015537 S016122 S016143) SUP (R083834 R099343 S005214 S009369 ST05214 ST09369 ST15555 ST16145 TR83834 TR99343 VC87799) ++HOLD (SO16145) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21138) COMMENT (<table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> </table> SEQUENCE After Apply PURPOSE Activate change without IPL USERS All users AFFECTED KNOWLEDGE Operator commands REQUIRED ACCESS z/OS Operator console REQUIRED ***** * STEPS TO PERFORM * ***** 1. F LLA,REFRESH 2. F ACF2,NEWMOD(ACF9C000) 3. F ACF2,NEWMOD(ACF00SVA) 4. F ACF2,NEWMOD(ACF99SVC) 5. Stop and restart ACF2).	CA-ACF2-MVS	Version 16.0
CA-ACF2-MVS	Version 16.0		

Service	Details																		
SO16146	SO16146 M.C.S. ENTRIES = ++PTF (SO16146) ACFRPTSL: PARM DATA NOT USED AS DEFAULT 'TITLE' VALUE PROBLEM DESCRIPTION: The documentation states that if you do not specify the TITLE parameter, "the report generator uses the first 35 characters in the PARM field of the EXEC statement." SYMPTOMS: Incomplete default report header IMPACT: Cosmetic CIRCUMVENTION: Specify the TITLE parameter PRODUCT(S) AFFECTED: CA-ACF2-MVS Release 15.0 CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 10491 Copyright (C) 2021 CA. All rights reserved. R00862-ACF160-SP1 DESC(ACFRPTSL: PARM DATA NOT USED AS DEFAULT 'TITLE' VALUE). ++VER (Z038) FMID (CAX1G00) PRE (R091983 R096794 S006579 S016143) SUP (BS03886 S005094 ST05094 ST15614 ST16146) ++HOLD (SO16146) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21139) COMMENT (<table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Enable new code</td></tr> <tr> <td>USERS</td><td>All users</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>z/OS Console commands</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>z/OS Console</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> ***** * STEPS TO PERFORM * ***** 1. LLA Refresh (if applicable)).	CA-ACF2-MVS	Version 16.0	SEQUENCE	After Apply	PURPOSE	Enable new code	USERS	All users	AFFECTED		KNOWLEDGE	z/OS Console commands	REQUIRED		ACCESS	z/OS Console	REQUIRED	
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KNOWLEDGE	z/OS Console commands																		
REQUIRED																			
ACCESS	z/OS Console																		
REQUIRED																			

Service	Details		
SO16147	SO16147 M.C.S. ENTRIES = ++PTF (SO16147) ADD SUPPORT TO ALLOW CREDENTIALS TO BE PASSED ON ELEVATE CMD ENHANCEMENT DESCRIPTION: This enhancement will add support to allow credentials to be passed on an ELEVATE command. It adds a new parm to the ELEVATE command called CREDS. This field can be used to enter credentials for the user doing the ELEVATE to be authenticated before the ELEVATE is allowed. The ELEVATE panel has been updated to receive a non-displayed CREDS value to be passed on the ELEVATE command. PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 10475 Copyright (C) 2021 CA. All rights reserved. R00863-ACF160-SP1 DESC(ADD SUPPORT TO ALLOW CREDENTIALS TO BE PASSED ON ELEVATE CMD). ++VER (Z038) FMID (CAX1G00) PRE (R080085 R080309 R080625 R084877 R091169 R096914 R097779 R099162 S003636 S004032 S004551 S006001 S006310 S006579 S006672 S007898 S008710 S010216 S011631 S012667 S014042 S016122 S016138 S016143 S016148) SUP (AR99162 S000944 S003591 S010186 S012111 S014992 S016144 ST00944 ST03591 ST10186 ST12111 ST14364 ST14992 ST15522 ST15683 ST16144 ST16147) ++HOLD (SO16147) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21139) COMMENT (<table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> </table> SEQUENCE After Apply PURPOSE Activate change without IPL USERS All users AFFECTED KNOWLEDGE Operator commands REQUIRED ACCESS z/OS Operator console REQUIRED ***** * STEPS TO PERFORM * ***** 1. F LLA,REFRESH 2. F ACF2,NEWMOD(ACF00SVA) 3. F ACF2,NEWMOD(SAFRT00B)	CA-ACF2-MVS	Version 16.0
CA-ACF2-MVS	Version 16.0		

CA ACF2 16.0
CA RS 2106 - PTF SO16147 Details

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Service	Details
	4. F ACF2,NEWMOD(SAFRT006)).

Service	Details		
SO16148	SO16148	M.C.S. ENTRIES = ++PTF (SO16148)	
	R_FACTOR ALWAYS ISSUES FASTAUTH CALL		
	PROBLEM DESCRIPTION:		
	The R_factor callable service should only validate the user against IRR.RFACTOR resources when the caller is running in non-system key problem state.		
	CA AAM or IBM MFA may be unable to validate a user's logon credentials, causing FALLBACK to be used, or inability to logon if user has NOFALLBACK.		
	SYMPTOMS:		
	Validations occuring when caller of R_factor is in system key or supervisor state.		
	IMPACT:		
	None		
	CIRCUMVENTION:		
	None		
	PRODUCT(S) AFFECTED:		
	CA-ACF2-MVS	Version 16.0	
	Related Problem:		
	ACF2MS 10497		
	Copyright (C) 2021 CA. All rights reserved. R00864-ACF160-SP1		
	DESC(R_FACTOR ALWAYS ISSUES FASTAUTH CALL) .		
	++VER (Z038)		
	FMID (CAX1G00)		
	PRE (R080009 R080764 R084877 R085672 R092884 R093240		
	R093554 R096464 R096905 R096906 R096914 R097779		
	R099159 R099164 S003886 S006579 S006670 S010329		
	S011443 S011647 S013143 S013978 S014108 S014631)		
SUP (AS03886 AS06579 AS06996 R080735 R085623 R091939			
R093881 R096443 R096880 S000153 S004534 S005647			
S006605 S006996 S007429 S008219 S009195 S010183			
S013250 ST00153 ST04534 ST05647 ST06605 ST06996			
ST07429 ST07849 ST08219 ST09195 ST10183 ST13250			
ST15765 ST16148 TR80411 TR80735 TR85623 TR91939			
TR93881 TR96443 TR96880 TR98868 UC87799)			
++HOLD (SO16148) SYSTEM FMID(CAX1G00)			
REASON (DYNACT) DATE (21138)			
COMMENT (			
+-----+-----+-----+			
	CA-ACF2-MVS	Version 16.0	
+-----+-----+-----+			
SEQUENCE	After Apply		
+-----+-----+-----+			
PURPOSE	Activate change without IPL		
+-----+-----+-----+			
USERS	All users		
AFFECTED			
+-----+-----+-----+			
KNOWLEDGE	Operator commands		
REQUIRED			
+-----+-----+-----+			
ACCESS	z/OS Operator console		

Service	Details
	REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * 1. F LLA,REFRESH ***** 2. F ACF2,NEWMOD (ACF9C000) 3. F ACF2,NEWMOD (SAFOEDRV)) .

Service	Details		
SO16249	SO16249 M.C.S. ENTRIES = ++PTF (SO16249) OPS/MVS MESSAGE FROM TAMZ ON ENVIRON CHNG ENHANCEMENT DESCRIPTION: Add support for OPS/MVS messaging. On TAMz elevate and elevate remove commands OPS/MVS API message will be sent indicating a user's security environment was updated. Customers who have OPS/MVS installed and running on their systems will be able to filter on the MESSAGE ID: TAMZ001I to find elevates and TAMZ002I to find elevate removes. OPS/MVS rules can be written to execute when these MESSAGE IDs are captured in order to trigger various system tasks or environment refreshes. PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 ACF Trusted Access Manager For Z Version 16.0 Related Problem: ACF2MS 10510 Copyright (C) 2021 CA. All rights reserved. R00866-ACF160-SP1 DESC(OPS/MVS MESSAGE FROM TAMZ ON ENVIRON CHNG). ++VER (Z038) FMID (CAX1G00) PRE (R096914 R099162 R099742 S003889 S006579 S007898 SO10216 SO11631 SO12667 SO16143 SO16147) SUP (SO12111 SO14992 SO16144 ST12111 ST14364 ST14992 ST15522 ST16144 ST16249) ++HOLD (SO16249) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21140) COMMENT (<table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> </table> SEQUENCE After Apply PURPOSE Add support for OPS/MVS api when elevating or removing a Trusted Access Manager For Z elevation. USERS AFFECTED Any users leveraging Trusted Access Manager For Z who wish to build additional automation via OPS/MVS. KNOWLEDGE REQUIRED Knowledge of applying SMPE installations. Knowledge of using Trusted Access Manager for Z. Knowledge of using OPS/MVS. Knowledge of OPS/MVS rule creation. ACCESS REQUIRED Requires ability to install via SMPE	CA-ACF2-MVS	Version 16.0
CA-ACF2-MVS	Version 16.0		

Service	Details
	Requires ability to issue an LLA Refresh Requires ability to issue ACF NEWMOD +-----+-----+-----+ ***** * STEPS TO PERFORM * ***** 1. Install update via SMPE 2. Issue 'F LLA,REFRESH' from console. 3. Issue 'F ACF2,NEWMOD(SAFRT00B) from console. 4. Create OPS/MVS api rules based on online ACF2 Trusted access Manager For Z. 5. Elevate or Elevate Remove via Trusted Access Manager For Z then look for the message in opsview console.).

Service	Details
SO16293	SO16293 M.C.S. ENTRIES = ++PTF (SO16293) ACF0AENT SVC SOC4 ABEND WITH LARGE SMF RECORD PROBLEM DESCRIPTION: ACF0AENT SVC SOC4 abend may occur when a large SMF record attempts to be cut by module ACF0AENT for XREF(RGP) records. This problem may occur when changes to cross-reference records (XROL, XRGP, XSGP) are audited to SMF. This fix will also correct a situation where the ACFRPTTEL report is showing OLD VALUE data for some fields on an insert of a new record. After the fix is applied the report should show ---NULLS--- where is showed data before. SYMPTOMS: ACF0AENT SVC SOC4 abend may occur when processing a large XREF(RGP) record. IMPACT: ACF2 administrative updates not properly audited to SMF CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA-ACF2-MVS Release 16.0 Related Problem: ACF2MS 10514 Copyright (C) 2021 CA. All rights reserved. R00868-ACF160-SP1 DESC(ACF0AENT SVC SOC4 ABEND WITH LARGE SMF RECORD) . ++VER (Z038) FMID (CAX1G00) PRE (R084877 R084952 R089501 R091169 R092884 R095460 R095905 R096914 R098208 S003900 S006214 S006579 S008589 S011443 S013143 S014614 S014735 S016143) SUP (AR92884 S000214 S003867 S007950 S008196 ST00214 ST03867 ST07950 ST08196 ST16293) ++HOLD (SO16293) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21144) COMMENT (<pre> +-----+ CA-ACF2-MVS Version 16.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Activate change without IPL +-----+-----+ USERS All users AFFECTED +-----+-----+ KNOWLEDGE Operator commands REQUIRED +-----+-----+ ACCESS z/OS Operator console REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** </pre>

Service	Details
	1. F LLA,REFRESH 2. F ACF2,NEWMOD (ACF00SVA)) .

Service	Details	
SO16302	SO16302 M.C.S. ENTRIES = ++PTF (SO16302) TEST COMMAND FOR A MASKED KEY DOES NOT SHOW KEY IN OUTPUT PROBLEM DESCRIPTION: A test of a resource ruleset that has a \$KEY of all asterisks, does not get the KEY returned in the output of the test command. \$KEY(*****) TYPE(SAF) uid(LID123) service(read) allow Test * rsrcname('sometest') lid(lid123) service(read) Gets: ACF71114 THE FOLLOWING PARAMETERS ARE IN EFFECT: DATE=01/29/21 TIME=0951 SOURCE=***** UID=LID123 LID=LID123 ROLE= SERVICE=(READ) TARGET RESOURCE: RSAF SOMETEST VALIDATED RULE LINE FROM UID(LID123) SERVICE(READ) ALLOW RESULT: ACCESS WOULD BE ALLOWED REASON: RESOURCE RULE The output should be: VALIDATED RULE LINE FROM ***** TYPE SAF SYMPTOMS: Missing KEY in test command output. IMPACT: The output still shows correct test results. CIRCUMVENTION: None PRODUCT(S) AFFECTED: CA-ACF2-MVS Related Problem: ACF2MS 10515 Copyright (C) 2021 CA. All rights reserved. R00869-ACF160-SP1 DESC(TEST COMMAND FOR A MASKED KEY DOES NOT SHOW KEY IN OUTPUT). ++VER (Z038) FMID (CAX1G00) PRE (R080628 R081740 R081866 R088622 R096906 R098008 R099162 S004209 S006579 S007032 S011856 S014103 S014269 S016143) SUP (AS10599 AS11856 R099469 S000564 S010599 S013163 S013598 ST00564 ST10599 ST13163 ST13598 ST15364 ST15365 ST16142 ST16302 TR99469 WC87799) ++HOLD (SO16302) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (21144) COMMENT (+-----+ CA-ACF2-MVS	

Service	Details		
	AFFECTED		
	+-----+-----+-----+		
	KNOWLEDGE	Operator commands	
	REQUIRED		
	+-----+-----+-----+		
	ACCESS	z/OS Operator console	
	REQUIRED		
	+-----+-----+-----+		

	* STEPS TO PERFORM *		

	1. F LLA,REFRESH		
	2. F ACF2,NEWMOD (ACF00SVA)		
	).		
MCS	LU00376	STARTS ON PAGE 0002	
MCS	LU00392	STARTS ON PAGE 0003	
MCS	LU00718	STARTS ON PAGE 0005	
MCS	LU00765	STARTS ON PAGE 0006	
MCS	SO16044	STARTS ON PAGE 0007	
MCS	SO16143	STARTS ON PAGE 0009	
MCS	SO16144	STARTS ON PAGE 0028	
MCS	SO16145	STARTS ON PAGE 0029	
MCS	SO16146	STARTS ON PAGE 0046	
MCS	SO16147	STARTS ON PAGE 0047	
MCS	SO16148	STARTS ON PAGE 0048	
MCS	SO16249	STARTS ON PAGE 0050	
MCS	SO16293	STARTS ON PAGE 0052	
MCS	SO16302	STARTS ON PAGE 0053	

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CA RS 2106 Product/Component Listing

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Product Family	Product	Release
Security	CA-ACF2-MVS	16.00.00
The CA RS 2106 Product/Component Count for this release is 1		

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All CA RS Levels Service List

CA RS Level	Service	FMID
CAR2106	S016302	CAX1G00
	S016293	CAX1G00
	S016249	CAX1G00
	S016148	CAX1G00
	S016147	CAX1G00
	S016146	CAX1G00
	S016145	CAX1G00
	S016144	CAX1G00
	S016143	CAX1G00
	S016044	CAX1G00
	LU00765	CAX1G00
	LU00718	CAX1G00
	LU00392	CAX1G00
	LU00376	CAX1G00
CAR2105	LU00885	CAX1G00
	LU00203	CAX1G04
CAR2104	S016139	CAX1G00
	S016138	CAX1G00
	S016122	CAX1G00
	S016058	CAX1G00
	S015993	CAX1G03
	S015874	CAX1G00
	S015809	CAX1G00
	S015752	CAX1G00
	S015442	CAX1G00
	S015259	CAX1G00
	S015042	CAX1G00
	S014888	CAX1G00
	S014742	CAX1G00
	S014478	CAX1G00
	LU00748	CAX1G00
	LU00536	CAX1G02
	LU00484	CAX1G00
	LU00295	CAX1G00
CAR2103	S016264	CAX1G00
	S014601	CAX1G00
CAR2102	S016098	CAX1G00
	S015167	CAX1G00
CAR2101	S015861	CAX1G01
	S015808	CAX1G01
	S015747	CAX1G01
	S014649	CAX1G00
	S014540	CAX1G00
	S013921	CAX1G00
CAR2012	S015560	CAX1G00
	S015537	CAX1G00
	S015033	CAX1G00

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All CA RS Levels Service List

CA RS Level	Service	FMID
CAR2011	S014735	CAX1G00
	S014992	CAX1G00
	S014952	CAX1G00
	S014852	CAX1G00
	S014802	CAX1G00
	S014762	CAX1G00
	S014714	CAX1G03
	S014547	CAX1G00
	S014258	CAX1G00
	S014783	CAX1G00
CAR2010	S014722	CAX1G00
	S014614	CAX1G00
	S014269	CAX1G00
	S014042	CAX1G00
	S014631	CAX1G00
	S014280	CAX1G00
	S014200	CAX1G00
	S014162	CAX1G00
	S014108	CAX1G00
	S014103	CAX1G00
CAR2009	S014051	CAX1G00
	S013978	CAX1G00
	S013754	CAX1G00
	S013513	CAX1G00
	S013250	CAX1G00
	S013192	CAX1G00
	S013143	CAX1G00
	S013142	CAX1G00
	S012963	CAX1G00
	S012882	CAX1G00
CAR2008	S012788	CAX1G00
	S012738	CAX1G02
	S012720	CAX1G00
	S012667	CAX1G00
	S012556	CAX1G00
	S012291	CAX1G00
	S012160	CAX1G00
	S012111	CAX1G00
	S011869	CAX1G00
	S011827	CAX1G00
CAR2008	S011690	CAX1G00
	S011664	CAX1G00
	S011631	CAX1G00
	S014040	CAX1G03
	S013833	CAX1G03
	S013795	CAX1G00
	S013598	CAX1G00

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All CA RS Levels Service List

CA RS Level	Service	FMID
	S013452	CAX1G00
	S013034	CAX1G00
	S012480	CAX1G00
CAR2007	S013640	CAX1G00
	S013376	CAX1G03
	S013141	CAX1G00
	S012969	CAX1G00
	S012684	CAX1G00
	S011494	CAX1G00
	S011439	CAX1G00
	S009833	CAX1G03
CAR2006	S013163	CAX1G00
	S012970	CAX1G04
	S012929	CAX1G03
CAR2005	S012739	CAX1G04
	S012328	CAX1G00
	S011887	CAX1G00
	S011344	CAX1G00
	S011277	CAX1G01
CAR2004	S012295	CAX1G00
	S011647	CAX1G00
	S011443	CAX1G00
	S011189	CAX1G00
CAR2003	S011903	CAX1G00
	S011856	CAX1G00
CAR2002	S011661	CAX1G00
CAR2001	S011356	CAX1G03
	S011352	CAX1G00
	S011262	CAX1G00
	S010846	CAX1G00
	S010599	CAX1G00
	S010544	CAX1G00
	S010542	CAX1G03
	S010463	CAX1G00
	S010355	CAX1G00
	S010334	CAX1G00
	S010329	CAX1G00
	S010295	CAX1G00
	S010255	CAX1G00
	S010216	CAX1G00
	S010186	CAX1G00
	S010184	CAX1G00
	S010183	CAX1G00
	S010166	CAX1G00
	S010096	CAX1G00
	S009277	CAX1G00
CAR1912	S009961	CAX1G00

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All CA RS Levels Service List

CA RS Level	Service	FMID
	S007541	CAX1G00
CAR1911	S010567	CAX1G00
	S010412	CAX1G00
	S010293	CAX1G00
	S010246	CAX1G00
	S009810	CAX1G00
	S009696	CAX1G04
	S009369	CAX1G00
	S009271	CAX1G00
	S009246	CAX1G00
	S009112	CAX1G00
	S008932	CAX1G00
	S008727	CAX1G00
	S008396	CAX1G00
	S008334	CAX1G00
CAR1910	S010113	CAX1G00
	S010052	CAX1G00
	S009757	CAX1G00
	S009684	CAX1G00
	S009656	CAX1G01
	S009547	CAX1G00
	S009545	CAX1G00
	S009400	CAX1G03
	S009398	CAX1G00
	S009195	CAX1G00
	S008264	CAX1G00
CAR1909	S009168	CAX1G00
	S009036	CAX1G00
CAR1908	S009388	CAX1G00
	S009238	CAX1G00
	S009114	CAX1G00
	S008993	CAX1G03
	S008812	CAX1G04
	S008710	CAX1G00
	S008610	CAX1G00
	S008589	CAX1G00
CAR1907	S008630	CAX1G00
	S008613	CAX1G00
	S008600	CAX1G00
	S008598	CAX1G00
CAR1906	S008480	CAX1G03
	S008263	CAX1G00
	S008259	CAX1G00
	S008219	CAX1G00
	S008196	CAX1G00
	S008055	CAX1G00
	S007965	CAX1G00

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All CA RS Levels Service List

CA RS Level	Service	FMID
	S007950	CAX1G00
	S007898	CAX1G00
CAR1905	S008052	CAX1G00
	S007963	CAX1G04
	S007871	CAX1G00
	S007725	CAX1G03
	S007704	CAX1G00
	S007430	CAX1G00
CAR1904	S007762	CAX1G00
	S007724	CAX1G00
	S007682	CAX1G00
	S007594	CAX1G00
	S007585	CAX1G00
	S007573	CAX1G03
	S007555	CAX1G00
	S007429	CAX1G00
	S007365	CAX1G03
	S007326	CAX1G00
	S007290	CAX1G00
	S007184	CAX1G03
	S006428	CAX1G03
CAR1903	S007427	CAX1G00
	S007424	CAX1G00
	S007165	CAX1G00
	S007136	CAX1G03
	S007057	CAX1G00
	S007037	CAX1G00
	S007032	CAX1G00
	S007002	CAX1G00
	S006996	CAX1G00
	S006912	CAX1G03
	S006747	CAX1G00
	S006681	CAX1G00
	S006672	CAX1G00
	S006633	CAX1G00
	S006357	CAX1G00
CAR1902	S007042	CAX1G00
	S007040	CAX1G00
	S006670	CAX1G00
CAR1901	S006691	CAX1G00
	S006686	CAX1G00
	S006666	CAX1G00
	S006605	CAX1G00
	S006603	CAX1G00
	S006579	CAX1G00
	S006563	CAX1G00
	S006531	CAX1G00

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CA RS Level	Service	FMID
	S006363	CAX1G00
	S006310	CAX1G00
	S006234	CAX1G00
	S006214	CAX1G00
	S006033	CAX1G00
	S005978	CAX1G00
	S005795	CAX1G00
	S005772	CAX1G00
	S005771	CAX1G00
	S005763	CAX1G00
	S005723	CAX1G00
	S005647	CAX1G00
	S004012	CAX1G03
	R085622	CAX1G00
	R083832	CAX1G00
	R081740	CAX1G00
	R081599	CAX1G00
	R080418	CAX1G00
CAR1812	S006423	CAX1G00
	S006278	CAX1G03
	S006277	CAX1G00
	S006183	CAX1G00
	S006073	CAX1G03
	S005563	CAX1G00
	S005557	CAX1G03
	S005388	CAX1G00
CAR1811	S006001	CAX1G00
	S005787	CAX1G00
	S005764	CAX1G00
	S005736	CAX1G00
	S005721	CAX1G00
	S005487	CAX1G03
	S005486	CAX1G00
	S005485	CAX1G00
	S005420	CAX1G00
	S005363	CAX1G00
	S005219	CAX1G00
	S005214	CAX1G00
	S005161	CAX1G00
	S004740	CAX1G00
	S004537	CAX1G00
	S003900	CAX1G00
CAR1810	S005539	CAX1G00
	S005530	CAX1G00
	S005400	CAX1G01
	S005265	CAX1G00
CAR1809	S005195	CAX1G00

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All CA RS Levels Service List

CA RS Level	Service	FMID
	S005094	CAX1G00
	S005045	CAX1G00
	S005030	CAX1G02
	S004939	CAX1G00
	S004804	CAX1G00
	S004781	CAX1G00
	S004776	CAX1G00
	S004588	CAX1G00
	S004551	CAX1G00
	S004431	CAX1G00
CAR1808	S004558	CAX1G00
	S004534	CAX1G00
	S004448	CAX1G00
	S004395	CAX1G00
	S004242	CAX1G01
	S004209	CAX1G00
	S004001	CAX1G00
	S003907	CAX1G00
	S003889	CAX1G00
	S003681	CAX1G04
	S001109	CAX1G00
	R099418	CAX1G04
	R085623	CAX1G00
	R084836	CAX1G00
	R083835	CAX1G00
	R080735	CAX1G00
CAR1807	S004159	CAX1G00
	S004153	CAX1G00
	S004077	CAX1G00
	S004064	CAX1G00
	S004047	CAX1G00
	S004032	CAX1G00
	S003891	CAX1G00
	S003886	CAX1G00
	S003885	CAX1G00
	S003867	CAX1G00
	S003743	CAX1G03
	S003742	CAX1G00
	S003663	CAX1G00
	S003636	CAX1G00
	S003632	CAX1G00
	S003574	CAX1G00
	S001732	CAX1G00
	S001703	CAX1G00
	S001634	CAX1G00
	S001066	CAX1G03
CAR1806	S003630	CAX1G00

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All CA RS Levels Service List

CA RS Level	Service	FMID
	S003591	CAX1G00
	S003573	CAX1G00
	S001806	CAX1G00
	S001736	CAX1G03
	S001729	CAX1G01
	S001728	CAX1G00
	S001691	CAX1G01
	S001588	CAX1G00
	S001571	CAX1G00
	S001563	CAX1G00
	S001560	CAX1G03
	S001559	CAX1G00
	S001518	CAX1G00
	S001422	CAX1G00
	S001377	CAX1G00
	S000930	CAX1G00
CAR1805	S001516	CAX1G00
	S001449	CAX1G00
	S001421	CAX1G03
	S001203	CAX1G00
	S001101	CAX1G00
CAR1804	S001099	CAX1G00
	S001064	CAX1G00
	S001020	CAX1G00
	S000979	CAX1G01
	S000976	CAX1G00
	S000961	CAX1G01
	S000955	CAX1G00
	S000944	CAX1G00
	S000901	CAX1G03
	S000818	CAX1G03
	S000774	CAX1G00
	S000680	CAX1G00
	S000564	CAX1G00
	S000459	CAX1G01
	S000318	CAX1G00
	S000304	CAX1G00
	S000214	CAX1G00
	S000153	CAX1G00
	S000010	CAX1G00
	R099677	CAX1G00
	R099469	CAX1G00
CAR1803	S000479	CAX1G00
	S000474	CAX1G00
	S000374	CAX1G00
	S000314	CAX1G00
	S000221	CAX1G03

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CA RS Level	Service	FMID
	S000096	CAX1G03
	R099953	CAX1G03
	R099350	CAX1G00
	R099336	CAX1G00
	R098916	CAX1G01
CAR1802	S000111	CAX1G00
	R099950	CAX1G00
	R099742	CAX1G00
	R099493	CAX1G00
	R099160	CAX1G00
CAR1801	R099749	CAX1G03
	R099360	CAX1G00
	R099343	CAX1G00
	R099164	CAX1G00
	R099163	CAX1G00
	R099162	CAX1G00
	R099159	CAX1G00
	R099147	CAX1G00
	R099138	CAX1G03
	R099049	CAX1G03
	R099035	CAX1G00
CAR1712	R099008	CAX1G00
	R098915	CAX1G00
	R098635	CAX1G00
	R098520	CAX1G00
CAR1711	R098637	CAX1G00
	R098633	CAX1G00
	R098598	CAX1G00
	R098548	CAX1G00
	R098419	CAX1G00
	R098340	CAX1G00
	R098324	CAX1G00
	R098208	CAX1G00
	R098081	CAX1G00
	R098008	CAX1G00
	R097933	CAX1G01
	R097921	CAX1G00
	R097911	CAX1G00
	R097896	CAX1G00
	R097857	CAX1G00
	R097842	CAX1G00
	R097810	CAX1G00
	R097781	CAX1G00
	R097780	CAX1G03
	R097779	CAX1G00
	R093853	CAX1G05
	R093852	CAX1G04

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CA RS Level	Service	FMID
CAR1710	R097939	CAX1G00
	R097830	CAX1G03
	R097778	CAX1G03
	R097777	CAX1G00
	R097763	CAX1G00
CAR1709	R097666	CAX1G00
	R097509	CAX1G00
	R097388	CAX1G00
	R097374	CAX1G00
	R097246	CAX1G00
	R097234	CAX1G00
	R097148	CAX1G00
	R097142	CAX1G00
	R096914	CAX1G00
	R096906	CAX1G00
CAR1708	R097183	CAX1G00
	R097140	CAX1G00
	R097123	CAX1G02
	R097122	CAX1G01
	R097101	CAX1G00
	R097094	CAX1G00
	R097073	CAX1G00
	R097057	CAX1G03
	R096917	CAX1G00
	R096905	CAX1G00
	R096890	CAX1G03
	R096880	CAX1G00
	R096870	CAX1G00
	R096854	CAX1G03
	R096794	CAX1G00
	R096729	CAX1G00
	R096676	CAX1G03
	R096443	CAX1G00
	R096422	CAX1G03
	R096075	CAX1G00
	R096003	CAX1G00
	R095963	CAX1G00
	R095859	CAX1G03
	R095851	CAX1G00
	R095721	CAX1G00
	R095562	CAX1G00
	R095461	CAX1G00
	R095460	CAX1G00
	R095220	CAX1G00
	R094330	CAX1G00
	R093635	CAX1G00
	R093566	CAX1G00

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CA RS Level	Service	FMID
	R093513	CAX1G02
	R093512	CAX1G01
	R093511	CAX1G00
CAR1707	R096464	CAX1G00
	R096074	CAX1G00
	R095905	CAX1G00
	R095735	CAX1G03
	R095642	CAX1G00
	R095610	CAX1G00
	R095144	CAX1G00
CAR1706	R096114	CAX1G00
	R096113	CAX1G00
	R096094	CAX1G00
	R095936	CAX1G00
	R095586	CAX1G00
	R095350	CAX1G00
	R093988	CAX1G00
CAR1705	R095841	CAX1G00
	R095836	CAX1G00
	R095608	CAX1G03
	R095521	CAX1G00
	R095459	CAX1G00
	R095456	CAX1G00
	R095219	CAX1G03
	R095218	CAX1G00
	R095203	CAX1G00
	R095192	CAX1G00
	R095082	CAX1G00
	R094381	CAX1G04
	R093881	CAX1G00
	R093615	CAX1G00
	R093394	CAX1G00
	R092798	CAX1G00
CAR1704	R095320	CAX1G03
	R095173	CAX1G00
	R095168	CAX1G00
	R095122	CAX1G00
	R095058	CAX1G00
	R094877	CAX1G00
	R094841	CAX1G00
	R094796	CAX1G00
	R094697	CAX1G00
	R094599	CAX1G00
	R094543	CAX1G00
	R094309	CAX1G00
	R093699	CAX1G00
	R093380	CAX1G03

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CA RS Level	Service	FMID
	R091983	CAX1G00
CAR1703	R094325	CAX1G00
	R094125	CAX1G00
	R093581	CAX1G00
CAR1702	R093738	CAX1G00
	R093181	CAX1G03
CAR1701	R093554	CAX1G00
	R093442	CAX1G00
	R093377	CAX1G00
	R093303	CAX1G00
	R093301	CAX1G00
	R093240	CAX1G00
	R092540	CAX1G00
	R092536	CAX1G00
CAR1612	R093116	CAX1G00
	R093003	CAX1G00
	R092884	CAX1G00
	R091980	CAX1G03
	R091338	CAX1G00
	R091271	CAX1G00
	R091194	CAX1G02
	R091069	CAX1G00
CAR1611	R092541	CAX1G00
	R092424	CAX1G00
	R092400	CAX1G00
	R092311	CAX1G00
	R091913	CAX1G00
	R090077	CAX1G00
CAR1610	R092184	CAX1G00
	R092080	CAX1G03
	R091962	CAX1G00
	R091939	CAX1G00
	R091578	CAX1G03
	R091396	CAX1G00
	R090020	CAX1G05
	R090019	CAX1G05
	R089873	CAX1G05
	R088622	CAX1G00
CAR1609	R091401	CAX1G00
	R091270	CAX1G00
	R091169	CAX1G00
	R091121	CAX1G01
	R091120	CAX1G00
	R089763	CAX1G00
CAR1607	R090749	CAX1G00
	R090415	CAX1G03
CAR1606	R090049	CAX1G00

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CA RS Level	Service	FMID
	R089700	CAX1G00
	R089501	CAX1G00
	R089393	CAX1G03
	R089101	CAX1G00
	R089039	CAX1G00
CAR1605	R089649	CAX1G03
	R089603	CAX1G03
	R089602	CAX1G00
	R089442	CAX1G00
	R089397	CAX1G00
	R089396	CAX1G03
	R089360	CAX1G00
	R089274	CAX1G00
	R089222	CAX1G00
	R088971	CAX1G00
	R088719	CAX1G00
	R088654	CAX1G00
	R088324	CAX1G00
	R088106	CAX1G00
	R087944	CAX1G00
	R087169	CAX1G04
	R086948	CAX1G00
CAR1604	R089184	CAX1G03
	R089120	CAX1G00
	R089117	CAX1G00
	R089116	CAX1G00
	R088717	CAX1G00
	R088240	CAX1G00
	R087405	CAX1G00
	R087013	CAX1G00
	R086545	CAX1G00
CAR1603	R088319	CAX1G03
	R087790	CAX1G00
	R086551	CAX1G00
	R086548	CAX1G00
	R086546	CAX1G00
CAR1602	R087685	CAX1G00
	R087221	CAX1G00
	R086888	CAX1G00
	R086762	CAX1G00
	R086681	CAX1G00
	R086542	CAX1G00