CA 1 Tape Management 14.0
CA RS 2005 Service List

Service	Description	Type
SO11630	TMSHC012 CA 1_FREE_DSNB_QUICK_SCAN FALSE ALERT	PTF
SO12305	FORCE WRKFLS=NO PROCESSING FOR VIRTUAL/LOGICAL WORM VOLUMES	PTF
SO12316	Security or Integrity Problem	** PRP **
SO12740	BYTES USED AND COMPRESSION RATIO NOT CORRECT	PTF
	The CA RS 2005 service count for this release is 4	

FMID	Service	Description	Type
CAL0E00	SO11630	TMSHC012 CA 1_FREE_DSNB_QUICK_SCAN FALSE ALERT	PTF
	SO12305	FORCE WRKFLS=NO PROCESSING FOR VIRTUAL/LOGICAL WORM VOLUMES	PTF
The CA RS 2005 service count for this FMID is 2			

FMID	Service	Description	Type
CBAFE00	SO12316	Security or Integrity Problem	** PRP **
	SO12740	BYTES USED AND COMPRESSION RATIO NOT CORRECT	PTF
The CA RS 2005 service count for this FMID is 2			

Service	Details
SO11630	SO11630 M.C.S. ENTRIES = ++PTF (SO11630)

```
SO11630   M.C.S. ENTRIES  = ++PTF (SO11630)


TMSHC012 CA 1_FREE_DSNB_QUICK_SCAN FALSE ALERT
PROBLEM DESCRIPTION:
Both the USED DSNBS IN FREECHAIN and DSNB QUICK SCAN Health Checks
may give an erroneous error stating that a USED DSNB was found in
the DSNB Free Chain.
Additionally, the USED DSNBS IN FREECHAIN Health Check may loop if a
unused DSNB in the FREECHAIN points to a previous unused DSNB in the
FreeCHAIN.
SYMPTOMS:
The DSNB Quick Scan Health Check and USED DSNBS IN FREECHAIN may
issue a false positive messages.
The USED DSNBS IN THE FREECHAIN Health Check does not end.
IMPACT:
Low
CIRCUMVENTION:
None. For the loop, the Health Check will need to be interrupted.
Using SDSF, place an 'H' beside the running Health Check.
PRODUCT(S) AFFECTED:
CA 1 Tape Management                                    Version 14.0
Related Problem:
1     2327
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DESC(TMSHC012 CA 1_FREE_DSNB_QUICK_SCAN FALSE ALERT).
++VER (Z038)
FMID (CAL0E00)
PRE ( RO86720 SO07488 )
SUP ( ST11630 )
++HOLD (SO11630) SYSTEM FMID(CAL0E00)
REASON (ACTION )   DATE (20086)
COMMENT (
+-------------------------------------------------------------------+
|     CA 1 Tape Management                       Version 14.0    |
+----------+--------------------------------------------------------+
|SEQUENCE  | After Apply                                           |
+----------+--------------------------------------------------------+
|PURPOSE   | To activate the change without an IPL.                |
+----------+--------------------------------------------------------+
|USERS     | All users                                             |
|AFFECTED  |                                                       |
+----------+--------------------------------------------------------+
|KNOWLEDGE | How to issue commands (directly, through SDSF or      |
|REQUIRED  | through CA Sysview)                                    |
+----------+--------------------------------------------------------+
|ACCESS    | Ability to issue modify commands to the CAHC          |
|REQUIRED  | space                                                 |
+----------+--------------------------------------------------------+
*************************
* STEPS   TO    PERFORM *
*************************
In order for this APAR to take effect, issue the following command;
F CAHC,DISPLAY TASKS
```

Service	Details
	A CA_1 task will be displayed as OWNERxxx where xxx is a number. Issue the following command with the correct number to delete the task: F CAHC,DELETE OWNERxxx This will delete all the CA_1 Health Checks. Now run TMSINIT to restart all the CA_1 Health Checks to pick up the updated CA1_used_DSNB_free_chain and CA1_Free_DSNB_Quick_Scan Healthchecks.).

Service	Details
SO12305	SO12305 M.C.S. ENTRIES = ++PTF (SO12305)

SO12305 column continues:

```
SO12305   M.C.S. ENTRIES  = ++PTF (SO12305)


FORCE WRKFLS=NO PROCESSING FOR VIRTUAL/LOGICAL WORM VOLUMES
PROBLEM DESCRIPTION:
When logical WORM tapes are scratched the worm fields will be reset by
TMSCLEAN. If a logical WORM tape is created as a work tape with WRKFLS YES
and then CTSSYNC is used to scratch the tape that is in the library,
the worm flag is still on, which causes IECTMS3 NOT SCRTCH (70) if the tape
is reused as scratch. With this solution applied, those volumes will be
assigned a 1 day retention which will require that it be scratched by
CA 1 the WORM fields will be reset.
SYMPTOMS:
Tape mounts may receive IECTMS3 NOT SCRTCH (70) messages. As well as
S613-40 abends for tapes that had been synchronized with CTSSYNC.
IMPACT:
Job abends when volumes were mounted that had been created using a
temporary dataset and WRKFLS=YES.
CIRCUMVENTION:
Set WRKFLS=NO in the TMOOPTxx member of CTAPOPTN. This will eliminate any
work files from being created.
PRODUCT(S) AFFECTED:
CA 1 Tape Management                                       Version 14.0
Related Problem:
1      2339
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DESC(FORCE WRKFLS=NO PROCESSING FOR VIRTUAL/LOGICAL WORM VOLUMES).
++VER (Z038)
FMID (CAL0E00)
PRE ( RO86720 RO95361 SO07538 )
SUP ( ST12305 )
++HOLD (SO12305) SYSTEM FMID(CAL0E00)
REASON (DYNACT )   DATE (20086)
COMMENT (
+----------------------------------------------------------------------+
|     CA 1 Tape Management                            Version 14.0      |
+----------+-----------------------------------------------------------+
|SEQUENCE  | AFTER APPLY                                               |
+----------+-----------------------------------------------------------+
|PURPOSE   | TO ACTIVATE THE CHANGE WITHOUT AN IPL.                    |
+----------+-----------------------------------------------------------+
|USERS     | ALL USERS.                                                |
|AFFECTED  |                                                           |
+----------+-----------------------------------------------------------+
|KNOWLEDGE | HOW TO MODIFY AND SUBMIT THE CAIRIM PROCESS.              |
|REQUIRED  |                                                           |
+----------+-----------------------------------------------------------+
|ACCESS    | ABILITY TO SUBMIT CAIRIM WITH THE MODIFIED CONTROL        |
|REQUIRED  | STATEMENTS.                                               |
+----------+-----------------------------------------------------------+
*************************
* STEPS    TO    PERFORM *
*************************
MODIFY THE CAIRIM CONTROL STATEMENTS AS FOLLOWS WHERE SVC=XXX IS
```

Service	Details
	REPLACED WITH THE CA 1 SVC NUMBER USED ON YOUR SYSTEM. PRODUCT(CA-1/MVS) VERSION(L0E0) INIT(L0E0INIT) - PARM(REINIT,LPA=TMS00SVC,SVC=XXX) LOADLIB(YOUR 14.0 CTAPLINK)).

Service	Details
SO12316	SO12316 M.C.S. ENTRIES = ++PTF (SO12316) Security or Integrity Problem PROBLEM DESCRIPTION: Security or Integrity Problem. SYMPTOMS. N/A IMPACT. Security or Integrity Problem. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: CA COMMON TAPE FUNCTIONS Version 14.0 Related Problem: CM-$F 312 Copyright (C) 2020 CA. All rights reserved. R00053-BAF140-SP1 DESC(Security or Integrity Problem). ++VER (Z038) FMID (CBAFE00) PRE (RO94755) SUP (AC12678 RO89925 RO97628 SO07340 ST07062 ST07340 ST12316 TR89925 TR97628) ++HOLD (SO12316) SYSTEM FMID(CBAFE00) REASON (DYNACT) DATE (20097) COMMENT (

```
+----------------------------------------------------------------------+
|     CA COMMON TAPE FUNCTIONS                         Version 14.0     |
+----------+-----------------------------------------------------------+
|SEQUENCE  | AFTER APPLY                                               |
+----------+-----------------------------------------------------------+
|PURPOSE   | TO ACTIVATE THE CHANGE WITHOUT AN IPL.                    |
+----------+-----------------------------------------------------------+
|USERS     | ALL USERS.                                                |
|AFFECTED  |                                                           |
+----------+-----------------------------------------------------------+
|KNOWLEDGE | HOW TO MODIFY AND SUBMIT THE CAIRIM PROCESS.              |
|REQUIRED  |                                                           |
+----------+-----------------------------------------------------------+
|ACCESS    | ABILITY TO SUBMIT CAIRIM WITH THE MODIFIED CONTROL        |
|REQUIRED  | STATEMENTS.                                               |
+----------+-----------------------------------------------------------+
**************************
* STEPS   TO   PERFORM *
**************************
THESE INSTRUCTIONS ONLY PERTAIN TO CA 1 CLIENTS AND NOTHING NEEDS
TO BE DONE FOR CA TLMS CLIENTS.
THE FOLLOWING INSTRUCTIONS FOR CA 1 CLIENTS ONLY APPLIES IF THE
CA 1 CATALOG INTERCEPT OF IGG026DU IS THE LAST DYNAMIC INTERCEPT
OF THIS EXIT. THE IGG026DU EXIT IS A CSECT IN THE IGC0002F LOAD
MODULE. IF THERE ARE OTHER PRODUCTS THAT ALSO DYNAMICALLY INTERCEPT
IGG026DU IN IGC0002F, THEY MUST BE REMOVED IN A LIFO (LAST-IN,
FIRST-OUT) ORDER PRIOR TO THE FOLLOWING CONTROL STATEMENTS BEING
USED. IF YOU ARE UN-SURE IF THERE ARE OTHER PRODUCTS THAT INTERCEPT
```

Service	Details
	THE IGG026DU EXIT POINT, THEN IT MIGHT BE BEST TO WAIT FOR AN IPL
	TO ACTIVATE THIS PTF.
	MODIFY THE CAIRIM CONTROL STATEMENTS AS FOLLOWS;
	PARM(REINIT,COSI=YES) LOADLIB(HLQ.CTAPLINK)
	).

Service	Details
SO12740	SO12740 M.C.S. ENTRIES = ++PTF (SO12740) BYTES USED AND COMPRESSION RATIO NOT CORRECT PROBLEM DESCRIPTION: If an IBM VTS is being used with the new LZ4/ZSTD compression and the virtual volumes are defined with a 25Gb capacity, the bytes-written value may cause the Read-Buffered-Log to overflow. Also, if the obtain compression ratio is something like 99.7% or 99.8% the compression ratio is rounded up to 100% producing invalid results when reports are generated or the data is viewed through Vantage. SYMPTOMS: The Byte-Percentage value and the compression-ratio will be reported as zero even though they should both be non-zero. If the file is highly compressable, a compression ratio of 100% may be reported that makes generated reports in-correct. IMPACT: Correct reporting of the number of bytes written by the application and the correct reporting of the number of bytes stored in cache are not correct. Incorrect reporting of tape usage. CIRCUMVENTION: Define the virtual-volumes as 8Gb capacity until the CA solution, an IBM micro-code solution to the TS77xx and a z/OS solution have all been applied. PRODUCT(S) AFFECTED: CA COMMON TAPE FUNCTIONS Version 14.0 Related Problem: CM-$F 313 Copyright (C) 2020 CA. All rights reserved. R00056-BAF140-SP1 DESC(BYTES USED AND COMPRESSION RATIO NOT CORRECT). ++VER (Z038) FMID (CBAFE00) PRE (RO86715 RO93331) SUP (RO89926 RO94583 RO98211 SO06907 SO07989 ST06907 ST07989 ST12479 ST12740 TR89926 TR94583 TR98211) ++HOLD (SO12740) SYSTEM FMID(CBAFE00) REASON (DOC) DATE (20105) COMMENT (+---+ | CA COMMON TAPE FUNCTIONS Version 14.0 | +---+ ************************** * PUBLICATION * ************************** A new error message has been added - CTSOCE05 CTSOCE05 - 4KDBW is non-zero, 4KCBW is zero Reason: The UCBCX_ATT3490_4KDBW field in the UCB Tape Extension is non-zero but the UCBCX_ATT3490_4KCBW field is zero. Action: This message indicates that 2 fields that should always be zero or non-zero together are not "in sync" with each other. Please verify that IBM APAR OA52915 has been applied to all LPAR's sharing the TS77xx VTS Library.).

Service	Details
| | ```
++HOLD (SO12740) SYSTEM FMID(CBAFE00)
REASON (DYNACT )   DATE (20105)
COMMENT (
 +----------------------------------------------------------------------+
 |      CA COMMON TAPE FUNCTIONS                         Version 14.0    |
 +----------+-----------------------------------------------------------+
 |SEQUENCE  | AFTER APPLY                                               |
 +----------+-----------------------------------------------------------+
 |PURPOSE   | TO ACTIVATE THE CHANGE WITHOUT AN IPL.                    |
 +----------+-----------------------------------------------------------+
 |USERS     | ALL USERS.                                                |
 |AFFECTED  |                                                           |
 +----------+-----------------------------------------------------------+
 |KNOWLEDGE | HOW TO MODIFY AND SUBMIT THE CAIRIM PROCESS.              |
 |REQUIRED  |                                                           |
 +----------+-----------------------------------------------------------+
 |ACCESS    | ABILITY TO SUBMIT CAIRIM WITH THE MODIFIED CONTROL        |
 |REQUIRED  | STATEMENTS.                                               |
 +----------+-----------------------------------------------------------+
 **************************
 * STEPS    TO    PERFORM *
 **************************
 THESE INSTRUCTIONS PERTAIN TO CA 1 AND CA TLMS CLIENTS
 FOR CA 1 CLIENTS - MODIFY THE CAIRIM CONTROL STATEMENTS AS FOLLOWS;
 PRODUCT(CA-1/MVS) VERSION(L0E0) INIT(L0E0INIT) -
 PARM(REINIT,LPA=CTSOCE00) LOADLIB(YOUR 14.0 CTAPLINK)
 FOR CA TLMS CLIENTS - MODIFY THE CAIRIM STATEMENTS AS FOLLOWS;
 PRODUCT(CA-TLMS/MVS) VERSION(TLE0) INIT(TLE0INIT) -
 PARM(REINIT,LPA=CTSOCE00) LOADLIB(YOUR 14.0 CTAPLINK)
 ).
 MCS         SO11630          STARTS ON PAGE 0002
 MCS         SO12305          STARTS ON PAGE 0003
 MCS         SO12316          STARTS ON PAGE 0005
 MCS         SO12740          STARTS ON PAGE 0006
``` |

Product Family	Product	Release
Storage	CA COMMON TAPE FUNCTIONS	14.00.00
	CA OSI/COMMON COMPONENT	14.00.00
	CA 1 TAPE MANAGEMENT	14.00.00
The CA RS 2005 Product/Component Count for this release is 3		

CA RS Level	Service	FMID
CAR2005	SO12740	CBAFE00
	SO12316	CBAFE00
	SO12305	CAL0E00
	SO11630	CAL0E00
CAR2004	SO12517	CAL0E00
CAR2003	SO11804	CAL0E00
	SO11771	CBAFE00
	SO11703	CAL0E00
	SO11511	CAL0E00
CAR2002	SO10887	CAL0E00
	SO10632	CAL0E00
	SO10333	CAL0E00
CAR2001	SO11264	CAL0E00
	SO10814	CAL0E00
	SO09946	CAL0E00
	SO09456	CAL0E00
CAR1912	SO10297	CAL0E00
	SO09659	CAL0E00
CAR1911	SO10518	CAL0E00
	SO10147	CAL0E00
CAR1910	SO09988	CBAFE00
	SO09350	CBAFE00
	SO09154	CAL0E00
	SO08504	CBAFE00
CAR1908	SO09194	CAL0E00
	SO09176	CAL0E00
	SO08253	CAL0E00
CAR1907	SO08332	CAL0E00
	SO08267	CAL0E00
	SO07488	CAL0E00
	SO07340	CBAFE00
CAR1906	SO08118	CAL0E00
	SO08095	CAL0E00
	SO07989	CBAFE00
	SO07783	CAL0E00
	SO07609	CAL0E00
CAR1905	SO07914	CBAFE00
	SO07538	CAL0E00
CAR1904	SO07375	CAL0E00
CAR1903	SO06753	CAL0E00
	SO06049	CAL0E00
	RO90435	CAL0E00
CAR1902	SO07077	CBAFE00
	SO06907	CBAFE00
	SO06489	CAL0E00
CAR1901	SO06465	CBAFE00
	SO06408	CAL0E00

CA RS Level	Service	FMID
CAR1811	SO05393	CAL0E00
CAR1810	SO05132	CAL0E00
	SO05090	CAL0E00
	SO01325	CBAFE00
CAR1809	SO04566	CBAFE00
	SO03737	CBAFE00
	SO01864	CAL0E00
CAR1808	SO04014	CAL0E00
	SO03575	CAL0E00
	SO00102	CAL0E00
CAR1807	SO03703	CAL0E00
CAR1805	SO00771	CAL0E00
CAR1804	SO01019	CAL0E00
	SO00375	CBAFE00
	RO99657	CAL0E00
CAR1803	SO00376	CBAFE00
	RO98235	CAL0E00
CAR1802	RO98044	CAL0E00
	RO97589	CAL0E00
CAR1801	RO98719	CAL0E00
	RO97628	CBAFE00
	RO97141	CAL0E00
CAR1712	RO98735	CAL0E00
	RO98491	CAG8E00
	RO98398	CAL0E00
	RO98211	CBAFE00
	RO97676	CAL0E00
CAR1711	RO98303	CAL0E00
	RO98301	CAL0E00
	RO97930	CAL0E00
	RO97124	CAL0E00
	RO96957	CAL0E00
CAR1710	RO97352	CAL0E00
	RO97172	CAL0E00
	RO96979	CAL0E00
	RO96826	CAL0E00
CAR1709	RO96641	CAL0E00
	RO96031	CBAFE00
	RO94642	CAL0E00
	RO94173	CAG8E00
CAR1708	RO96858	CAL0E00
	RO96268	CAL0E00
	RO96101	CAL0E00
	RO95361	CAL0E00
CAR1707	RO96603	CAL0E00
	RO95649	CAL0E00
	RO94615	CAL0E00

CA RS Level	Service	FMID
	RO94583	CBAFE00
CAR1706	RO95275	CAL0E00
	RO95272	CAL0E00
CAR1704	RO94755	CBAFE00
	RO94667	CAL0E00
CAR1703	RO94451	CAL0E00
	RO94379	CAL0E00
	RO94258	CBAFE00
	RO93860	CAL0E00
CAR1702	RO93819	CAL0E00
	RO86715	CBAFE00
	RO83248	CBAFE00
CAR1701	RO93682	CAL0E00
	RO93432	CAL0E00
	RO93392	CAL0E00
	RO93331	CBAFE00
	RO93264	CAL0E00
	RO93190	CBAFE00
	RO93128	CAL0E00
	RO92538	CAL0E00
	RO92030	CAL0E00
	RO91646	CAL0E00
CAR1612	RO92223	CAL0E00
	RO91897	CAL0E00
	RO91750	CAL0E00
CAR1610	RO91971	CBAFE00
	RO91847	CBAFE00
	RO91846	CAL0E00
	RO91479	CAL0E00
	RO91460	CAL0E00
	RO91301	CBAFE00
	RO91217	CAL0E00
CAR1609	RO90987	CBAFE00
	RO90945	CBAFE00
	RO89926	CBAFE00
	RO89758	CAL0E00
CAR1608	RO91200	CAL0E00
CAR1607	RO90243	CBAFE00
CAR1606	RO89925	CBAFE00
	RO89876	CAL0E00
	RO89572	CAL0E00
CAR1605	RO89616	CAL0E00
	RO89533	CBAFE00
	RO89514	CAL0E00
	RO89319	CAL0E00
	RO89262	CAL0E00
	RO88724	CAL0E00

CA RS Level	Service	FMID
	RO88419	CAL0E00
CAR1604	RO87942	CBAFE00
CAR1603	RO88098	CAL0E00
	RO88088	CAL0E00
	RO87844	CBAFE00