

CA Allocate DASD Space and Placement 12.5
CA RS 1610 Service List

Release	Service	Description	Type
12.5	R090756	POSSIBLE CATALOG HANG VSAM EXTEND AFTER R077668 APPLIED	** PRP **
	R091005	V37SMST DUMP >25 VOLUMES >1 DD --> SAME DSN	PTF
	R091755	ENHANCE SNC2: ADD &IFALREADYCATDEVCLAS VARIABLE	PTF
	R091947	INCREASED CPU USAGE CATALOG ADDRESS SPACE AFTER R057093	** PRP **
The CA RS 1610 service count for this release is 4			

CA Allocate DASD Space and Placement
CA RS 1610 Service List for CCTVC50

FMID	Service	Description	Type
CCTVC50	R090756	POSSIBLE CATALOG HANG VSAM EXTEND AFTER R077668 APPLIED	** PRP **
	R091005	V37SMST DUMP >25 VOLUMES >1 DD --> SAME DSN	PTF
	R091755	ENHANCE SNC2: ADD &IFALREADYCATDEVCLAS VARIABLE	PTF
	R091947	INCREASED CPU USAGE CATALOG ADDRESS SPACE AFTER R057093	** PRP **
The CA RS 1610 service count for this FMID is 4			

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 CA RS 1610 - PTF RO90756 Details

Release	Service	Details
12.5	RO90756	<p>RO90756 M.C.S. ENTRIES = ++PTF (RO90756)</p> <p>POSSIBLE CATALOG HANG VSAM EXTEND AFTER RO77668 APPLIED</p> <p>PROBLEM DESCRIPTION:</p> <p>When an ICF user catalog (which is a VSAM KSDS) needs to add a secondary extent, it goes through extend processing like any other VSAM data set. CA Allocate will detect that this VSAM data set is a catalog and exclude it from further processing. However, after PTF RO77668, CA Allocate may not detect that the VSAM data set is a catalog, and allow further processing to occur. This can lead to the catalog 'hang' condition.</p> <p>Note: This problem has only been seen with the catalog cloning utility IBM product 'DB2 Cloning Tool for z/OS'.</p> <p>SYMPTOMS:</p> <p>(D GRS,C)</p> <p>displays ENQ's</p> <p>IEC347I LIST CATALOG TASK(S)</p> <p>displays waiting CATALOG tasks</p> <p>IMPACT:</p> <p>Cancel/(Force) of job is required in order to remove the hang to the ICF CATALOG.</p> <p>CIRCUMVENTION:</p> <p>1) Remove PTF RO77668</p> <p>2) Allocate user catalogs with larger primary to avoid secondary extents.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Allocate DASD Space and Placement Release 12.5</p> <p>Related Problem:</p> <p>ALLOC 3561</p> <p>Copyright (C) 2016 CA. All rights reserved. R00132-CTV125-SP2</p> <p>DESC(POSSIBLE CATALOG HANG VSAM EXTEND AFTER RO77668 APPLIED).</p> <p>++VER (Z038)</p> <p>FMID (CCTVC50)</p> <p>PRE (RO16032 RO19966 RO24475 RO31410 RO42115 RO49866 RO53726 RO57093 RO62091 RO77668)</p> <p>SUP (CR77668 DR77668 RO18446 RO23468 RO44003 RO47723 RO53504 RO56704 RO66442 RO72470 RO77797 RO78899 RO81435 TR72470 TR77331 TR77797 TR78899 TR81435 TR89320 TR90756)</p>

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 CA RS 1610 - PTF RO91005 Details

Release	Service	Details
12.5	RO91005	<p>RO91005 M.C.S. ENTRIES = ++PTF (RO91005)</p> <p>V37SMST DUMP >25 VOLUMES >1 DD --> SAME DSN</p> <p>PROBLEM DESCRIPTION:</p> <p>After CA Allocate adds a volume to a data set at end-of-volume time, it also checks if any additional DD's are allocated to the same data set. If yes, then CA Allocate will process this second DD and update the applicable control blocks so this second DD will recognize the additional volume. However, for SMS-managed DB2 data sets, this processing is not necessary, and can result in a S0C4 in the DB2 DBM1 address space.</p> <p>SYMPTOMS:</p> <p>DUMP TITLE=V37SMST SVCD : SEND IN W/ CREATING JOB JES LISTING</p> <p>S0B0 Media Manager abends in DB2 DBM1 address space.</p> <p>IMPACT:</p> <p>S0C4 in DB2 address space</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Allocate DASD Space and Placement Release 12.5</p> <p>Related Problem:</p> <p>ALLOC 3558</p> <p>Copyright (C) 2016 CA. All rights reserved. R00135-CTV125-SP2</p> <p>DESC(V37SMST DUMP >25 VOLUMES >1 DD --> SAME DSN).</p> <p>++VER (Z038)</p> <p>FMID (CCTVC50)</p> <p>PRE (R019728 R044774 R084363 R085335 R085673)</p> <p>SUP (DR62831 R085790 TR85790 TR91005)</p>

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CA RS 1610 - PTF RO91755 Details

Release	Service	Details
12.5	RO91755	<p>RO91755 M.C.S. ENTRIES = ++PTF (RO91755)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> 1. ENHANCE SNC2: ADD &IFALREADYCATDEVCLAS VARIABLE 2. ADDITIONAL SNC2 AND DELNOS SUPPORT <p>=====</p> <p>ENHANCE SNC2: ADD &IFALREADYCATDEVCLAS VARIABLE</p> <p>PROBLEM DESCRIPTION:</p> <p>When coding the ASR routine for the stop-not-cat2 (SNC2) logic, the use of the &DEVCLAS variable is common. For example:</p> <pre>IF (&IFALREADYCAT = 'Y') AND (&DEVCLAS = 'DISK') THEN DO ... END</pre> <p>However, the &DEVCLAS variable returns TAPE or DISK for the NEW (to-be-allocated) data set, and not the old-existing data set. The &IFALREADYCAT variable returns the catalog status for the old-existing data set. To resolve this discrepancy, the new variable &IFALREADYCATDEVCLAS (synonym &IFCATDEV) has been developed. This will return TAPE or DISK for the old-existing data set. This way, the ASR can now be coded like this:</p> <pre>IF (&IFALREADYCAT = 'Y') AND (&IFCATDEV = 'DISK') THEN DO ... END</pre> <p>Any &DEVCLAS variable references in SNC2 ASR logic can be replaced with the &IFCATDEV variable reference.</p> <p>SYMPTOMS:</p> <p>SNC2 failures due to uncatalog or delete not working.</p> <p>IMPACT:</p> <p>JCL errors; allocation failures</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>Add the &IFALREADYCATDEVCLAS ASR variable.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Allocate DASD Space and Placement Release 12.5</p> <p>Related Problem:</p> <p>ALLOC 3545</p> <p>=====</p> <p>ADDITIONAL SNC2 AND DELNOS SUPPORT</p> <p>PROBLEM DESCRIPTION:</p> <p>Allocate fails to scratch unexpired datasets, both SMS and NON-SMS, during SNC2/D processing.</p> <p>Additionally, NON-SMS unexpired datasets will be unconditionally uncataloged even when SNC2/D processing fails.</p> <p>Also DELNOS Support fails for unexpired datasets.</p> <p>SYMPTOMS:</p> <p>* Messages issued when SNC2/D attempts to scratch unexpired data set:</p> <ol style="list-style-type: none"> a) Additional conditional messages issued for non-SMS data sets: VAM0444 SCRATCH FAILED - R15 = 00000002 b) Additional unconditional messages issued for non-SMS data sets: IGD17057I DELETE FAILED, UNEXPIRED PURGE DATE ON VOLUME vvvvvv, FOR DATA SET dsname IEC614I SCRATCH FAILED - RC 008, DIAGNOSTIC INFORMATION IS (040B004B), vvvvvv, dsname VAM0511 DATASET (dsname VAM0511 HAS BEEN DELETED FROM: VAM0511 vvvvvv c) Conditional diagnostic message issued for SMS-Managed data sets: VAM0100 STOP NOT CATLG 2 RETURN CODE = 18 VAM0520 DELETE OF SMS MANAGED DATA SET FAILED W/ R15=00000054 d) Additional unconditional message issued for SMS-Managed data sets: IEF344I jobname stepname ddname - ALLOCATION FAILED DUE TO DATA FACILITY SYSTEM ERROR IGD17101I DATA SET dsname NOT DEFINED BECAUSE DUPLICATE NAME EXISTS IN CATALOG

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 CA RS 1610 - PTF RO91755 Details

Release	Service	Details
		<pre> RETURN CODE IS 8 REASON CODE IS 38 IGG0CLEH IGD17042I EXPIRATION DATE FOR DATA SET dsname WAS OVERRIDDEN DURING DELETE PROCESSING IEF453I jobname - JOB FAILED - JCL ERROR - TIME=hh.mm.ss * Messages issued when DELNOS attempts to scratch unexpired data set: VAM0448 UNCAT FAILED, R15 = 0000001C VAM000I ...LEAVING VAMDISK1, RC=00000011 VAM0100 DELETE NOSCRATCH RETURN CODE = 14 VAM0100 DELETE NOSCRATCH REASON CODE = 17 IMPACT: * For non-SMS data sets, the data set that was supposed to get deleted by SNC2/D is instead just uncataloged. * For SMS-Managed data sets, the operating system will cancel the job in order to prevent the creation of an uncataloged data set. * CPU cycles will be wasted first restoring the archived data set and then deleting it with the SNC2/D Support. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Allocate DASD Space and Placement Related Problem: ALLOCC 3494 Copyright (C) 2016 CA. All rights reserved. R00139-CTV125-SP2 DESC(ENHANCE SNC2: ADD &IFALREADYCATDEVCLAS VARIABLE). ++VER (Z038) FMID (CCTVC50) PRE (R016105 R019966 R022222 R025655 R025820 R026730 R033867 R038987 R040784 R042115 R042377 R044222 R044711 R053726 R055733 R057093 R057321 R060933 R063939 R064172 R068489 R072448 R073055 R077668 R084363 R085388) SUP (ER62831 R023550 R026046 R027740 R044058 R046139 R047652 R048209 R048718 R049731 R051798 R052478 R053025 R054298 R054883 R058265 R060186 R061197 R062173 R065464 R065566 R065730 R065885 R079215 R086255 R087410 R090054 TR79215 TR79255 TR81464 TR81465 TR81508 TR81668 TR81830 TR82593 TR85713 TR86255 TR86474 TR86529 TR86691 TR86692 TR86693 TR86815 TR87307 TR87335 TR87410 TR87517 TR88219 TR88278 TR90054 TR90909 TR90924 TR91755) ++HOLD (R091755) SYSTEM FMID(CCTVC50) REASON (DOC) DATE (16251) COMMENT (+-----+ CA Allocate DASD Space and Placement Release 12.5 +-----+ ***** * PUBLICATION * ***** USER'S GUIDE UPDATE ===== Add to Chapter 2 => Environments => PREALLOC Environment After "DELNOS support has four variables:" section and the paragraphs explaining each variable. PURGE_UNEXPIRED_DATA_SET is another 'Y' or 'N' variable shared by PREALLOC and SPACE. It is used to allow PREALLOC to uncatalog the pseudo volume entries for SMS controlled archived or migrated data sets which have not reached their retention period or expiration date. Setting PURGE_UNEXPIRED_DATA_SET to 'Y' allows the DELNOS processing to complete normally for unexpired SMS data sets. If PURGE_UNEXPIRED_DATA_SET is set to 'N' (default), then DELNOS processing will fail and the catalog entry for the unexpired SMS data set will not be scratched. Note: In the PREALLOC environment, PURGE_UNEXPIRED_DATA_SET only </pre>

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Release	Service	Details
		<p>affects SMS data sets. The catalog entry for archived or migrated non-SMS data sets does not contain the expiration date. These non-SMS entries are deleted by DELNOS processing regardless of the PURGE_UNEXPIRED_DATA_SET setting.</p> <p>=====</p> <p>Add to Chapter 2 => NOT CATLGD 2 Support Special Considerations when using the SNC2=D Option You can stop the SNC2=D option in the SPACE or PREALLOC Environment for cataloged, unexpired, non-VSAM data sets. In this case, using the default value of N for PURGE_UNEXPIRED_DATA_SET causes the original dataset to stay cataloged and the allocation will fail.</p> <p>=====</p> <p>Add to Appendix A => ASR Variable Environments => PREALLOC and SPACE: PREALLOC The following ASR variables are available in the PREALLOC Environment: * PURGE_UNEXPIRED_DATA_SET (Read and Update) SPACE The following ASR variables are available in the SPACE Environment: * PURGE_UNEXPIRED_DATA_SET (Read and Update)</p> <p>=====</p> <p>We have added a new variable for use in the Allocation Selection Routine (ASR): PURGE_UNEXPIRED_DATA_SET (Alias: DELETE_UNEXPIRED or PURGE) This variable will give the ASR the ability to request that existing, cataloged, unexpired, non-VSAM data sets be eligible for deletion by the NOT CATLG 2 Support, specifically the STOP_NOT_CATLG2 Delete Option (SNC2=D). Possible values are: Y Dataset will be purged and the delete operation succeed. N Dataset will not be purged and the delete operation will fail. Format: Character Characteristics: * Maximum size = 1 * Default = 'N' * Valid for Non-VSAM Environments: * PREALLOC (Read and Update) * SPACE (Read and Update)</p> <p>=====</p> <p>Add to Appendix A => ASR Variable Environments => The following ASR variables are available in the OLD Environment: * IFALREADYCATDEVCLAS (Read only) The following ASR variables are available in the SPACE Environment: * IFALREADYCATDEVCLAS (Read only)</p> <p>=====</p> <p>We have added a new variable for use in the Allocation Selection Routine (ASR): IFALREADYCATDEVCLAS (Alias: IFCATDEV) This variable will give the ASR the ability to request the device class (TAPE or DISK) of an existing cataloged data set. This variable is designed for use with Stop_Not_Cat2 processing where the existing cataloged data set is on a different device type than the new-to-be-created data set. Any &DEVCLAS variable references in SNC2 ASR logic can be replaced with the &IFCATDEV variable reference. Possible values are: DISK The existing data set is cataloged on a DISK device. TAPE The existing data set is cataloged on a TAPE device. Format: Character Characteristics:</p>

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Release	Service	Details
		<pre> * Maximum size = 4 * Default = '????' * Valid for Non-VSAM Environments: * OLD (Read Only) * SPACE (Read Only)). ++HOLD (RO91755) SYSTEM FMID(CCTVC50) REASON (ENH) DATE (16251) COMMENT (+-----+ CA Allocate DASD Space and Placement Release 12.5 +-----+ SEQUENCE Before Restart +-----+ PURPOSE New ASR variables +-----+ USERS All Users AFFECTED +-----+ KNOWLEDGE CA Allocate Administration REQUIRED +-----+ ACCESS The library defined by sysparm PLSPRGDS, which contains REQUIRED the source to Allocate Selection Routines (ASRs) +-----+ ***** * STEPS TO PERFORM * ***** 1. Review the documentation for the new variables PURGE_UNEXPIRED_DATA_SET IFALREADYCATDEVCLAS 2. Update the Allocation Selection Routine using the new variables if desired. Default values will allow the Allocation Selection Routine to continue to process in the current manner. 3. Refresh your CA Allocate task.). </pre>

CA Allocate DASD Space and Placement 12.5
CA RS 1610 - PTF RO91947 Details

Release	Service	Details
12.5	RO91947	<p>RO91947 M.C.S. ENTRIES = ++PTF (RO91947)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> 1. INCREASED CPU USAGE CATALOG ADDRESS SPACE AFTER RO57093 2. HIGH CPU USAGE VDSAB451 EXCLJOB DB2 <p>=====</p> <p>INCREASED CPU USAGE CATALOG ADDRESS SPACE AFTER RO57093</p> <p>PROBLEM DESCRIPTION:</p> <p>After applying PTF RO57093, there can be an increase in the CPU and I/O requests attributed to the Catalog Address Space (CAS).</p> <p>SYMPTOMS:</p> <p>Any resource monitor that tracks resource consumption by the Catalog Address Space may show an increase in the resources consumed.</p> <p>IMPACT:</p> <p>None. The functionality of the CA Allocate product is not impacted.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Allocate DASD Space and Placement Release 12.5</p> <p>Related Problem:</p> <p>ALLOC 3559</p> <p>=====</p> <p>HIGH CPU USAGE VDSAB451 EXCLJOB DB2</p> <p>PROBLEM DESCRIPTION:</p> <p>When implementing the EXCLJOB feature in CA Allocate to bypass a majority of CA Allocate processing, it was detected that module VDSAB451 shows a high amount of CPU usage for a jobname that was included in the EXCLJOB parameters. This high CPU usage was noticed in a DB2 address space which typically has a large number of DD's allocated.</p> <p>SYMPTOMS:</p> <p>High CPU usage in module VDSAB451.</p> <p>IMPACT:</p> <p>Extra cost of unnecessary CPU usage. Delay in processing an allocation request.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Allocate DASD Space and Placement Release 12.5</p> <p>Related Problem:</p> <p>ALLOC 3550</p> <p>Copyright (C) 2016 CA. All rights reserved. R00140-CTV125-SP2</p> <p>DESC(INCREASED CPU USAGE CATALOG ADDRESS SPACE AFTER RO57093). ++VER (Z038) FMID (CCTVC50) PRE (RO16032 RO19400 RO19728 RO20699 RO22222 RO24475 RO26730 RO26949 RO37084 RO38557 RO38911 RO42086 RO50430 RO53726 RO55733 RO57093 RO61683 RO62293 RO63939 RO73093 RO74217 RO77668 RO81456 RO85388) SUP (EO57093 RO24172 RO28993 RO47539 RO62222 RO78555 TR76421 TR77222 TR78555 TR85893 TR89843 TR89853 TR91232 TR91947)</p>