### CA RS 1310 Service List

<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
<th>Description</th>
<th>Hiper</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.5</td>
<td>RO57093</td>
<td>ENHANCEMENT: Improve Run Time Performance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RO58559</td>
<td>Retire obsolete VAM0017 Message</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RO60802</td>
<td>API for CA Chorus Software Manager</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RO62091</td>
<td>z/OS 2.1 Compatibility</td>
<td><strong>HIPER</strong></td>
</tr>
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</table>

The CA RS 1310 service count for this release is 4
## CA RS 1310 Service List for CCTVC50

<table>
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<tr>
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<th>Service</th>
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<tbody>
<tr>
<td>CCTVC50</td>
<td>R057093</td>
<td>ENHANCEMENT: Improve Run Time Performance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R058559</td>
<td>Retire obsolete VAM0017 Message</td>
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<tr>
<td></td>
<td>R060802</td>
<td>API for CA Chorus Software Manager</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R062091</td>
<td>z/OS 2.1 Compatibility</td>
<td><strong>HIPER</strong></td>
</tr>
</tbody>
</table>

The CA RS 1310 service count for this FMID is 4
### CA Allocate DASD Space and Placement 12.5

#### CA RS 1310 - PTF RO57093 Details

<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
<th>Details</th>
</tr>
</thead>
</table>
| 12.5    | RO57093 | M.C.S. ENTRIES = +PTF(RO57093)  
DESC(ENHANCEMENT: Improve Run Time Performance).  
++VER(Z038) FMID(CCTVC50)  
PRE(RO37084  
RO44222  
RO51704  
RO53726  
RO54662  
RO55733  
RO56704)  
/|  

**PROBLEM DESCRIPTION:**

This PTF delivers improved run time performance by refining the processes in our IBM intercept points for all intercepted allocations. We reduced or eliminated scanning the chain of allocated DDNames for certain specific allocation requests. In addition we also made the following changes:

1. Stopped unconditionally executing the undocumented User Exit VDSHXKXT0 which was the legacy means of providing security on the special bypass DDName described in parameter PLSBYPAS whose function was actually replaced in some years ago with a new feature activated with sysparm PLSOPT17.
2. Once the special bypass DDName defined in sysparm PLSBYPAS, default value VDSBYPAS, is found in the chain of allocated DDNames, stop scanning for any of the other special DDNames and exit the intercept point as soon as possible, unless security has been activated for the special bypass DDName, re: sysparm PLSOPT17 whose default value is N (no security).
3. We added a new optional parmlib member, EXCLJOB, that can be used to exempt entire jobs from CA Allocate processing without having to physically add the special PLSBYPAS DDName to every step in the job. Note: The scope of bypassing via EXCLJOB is the same as bypassing via PLSBYPAS, including the documented limitations (no bypass of the optional Quota Environment, limited bypass of the ACS Environment).

Unnecessary processing at eleven intercept points has been eliminated which will allow allocation requests to be released sooner. Most all allocation requests, batch/TSO/SVC99, new/old, VSAM/nonVSAM, SMS/nonSMS are intercepted at more than one of these intercept points. Improved run time performance will be most noticeable in long-running jobs that allocate many data sets.

**SYMPTOMS:**

n/a

**IMPACT:**

n/a

**CIRCUMVENTION:**

n/a

**HIPER:** NO

**DISTRIBUTION CODE:** A

**PRODUCT(S) AFFECTED:** CA Allocate DASD Space and Placement  
Release: 12.5

**RELATED PROBLEM(S):** 3423

*/.

++HOLD(RO57093) SYSTEM REASON(IPL) FMID(CCTVC50) COMMENT(
Product: CA Allocate  
Release: 12.5  
Sequence: Depends on the procedure selected below  
Purpose: Current system hooks may not free without IPL  
Relevance: All users.

**Knowledge required:** Monitoring virtual storage usage and/or ability to IPL the system

**Access required:** Ability to IPL the system

**Steps to perform:**

**IMPLEMENTING WITH A PLANNED IPL**

1. Stop CA Allocate -- F VAM,REMOVE
2. Apply (and Deploy) the updates
3. IPL the system.

IMPLEMENTING WITHOUT AN IPL
----------------------------------
You may be able to avoid an IPL by performing the following steps.

Use one of the following processes. The difference is whether PLSOPT94
is set to (N) (default) or set to (Y) in the VKGPARMS member.

PLSOPT94 set to (Y)
-------------------
1. Stop CA Allocate -- F VAM,REMOVE
2. Apply/Deploy the update.
3. Start the CA Allocate task -- S VAM

PLSOPT94 set to (N)
-------------------
1. While VAM is running, change the value of PLSOPT94 to (Y) in your
   VKGPARMS member.
2. Enter this operator command to refresh the VKGPARMS:
   F VAM,PARMREF
   The PARMREF is complete when these messages are displayed:
   VAM0360 ALL PARAMETERS ARE SATISFACTORY
   VAM0368 REFRESH *** COMPLETED ***
3. Enter this operator command to shut down the CA Allocate task:
   F VAM,REMOVE
4. Verify these messages are displayed:
   VAM0554P REMOVED FROM CSA AT ...
   VAMS00 F1 REMOVED FROM CSA AT ...
   VAMS20 VAMSIRT UNHOOKED FROM IGZILLA.IGDSSIRT
   VAMS01 VAM002F REMOVED FROM CSA AT ...
   VAMS01 V37VSAM REMOVED FROM CSA AT ...
   VAMS01 VAMS00 UNHOOKED FROM IGZILLA.IGDACS00
   VAMS01 VAMACS00 REMOVED FROM CSA AT ...
   VAMS00 VDAB451 UNHOOKED FROM IEFB451
   VAMS00 VDAB453 UNHOOKED FROM IEFB453
   VAMS00 VDAB454 UNHOOKED FROM IEFB454
   VAMS02 VAMSIRT REMOVED FROM CSA AT ...
   VAMS02 V6C06A REMOVED FROM CSA AT ...
   VAMS02 VDAB453 REMOVED FROM CSA ...
   VAMS02 VDAB451 REMOVED FROM CSA ...
   VAMS02 VDAB454 REMOVED FROM CSA ...
   VAMS01 VDPOST0 REMOVED FROM CSA ...
5. If the messages in #4 are not displayed and a hook cannot come
   out, determine which product is preventing its LIFO removal, then
   remove it. You can use the TSOTEST JCL member of the CCTVJCL
   library to get a list in sequence of the hooks installed.
6. Issue this operator command:  S VAM,PARM=CLEANUP
5. If the messages in #4 are not displayed and a hook cannot come
   out, determine which product is preventing its LIFO removal, then
   remove it. You can use the TSOTEST JCL member of the CCTVJCL
   library to get a list in sequence of the hooks installed.
6. Issue this operator command:  F VAM,CLEANUP
   When successful, this will shut down the CA Allocate started task.
7. Repeat steps 5 and 6 if additional hook removal problems are
   found.

If any hook still fails to remove, start CA Allocate to continue
its processing you will have to plan on an IPL to implement these
PTFs.
8. When all of the hooks are removed, then apply/deploy the PTFs.
9. Start the CA Allocate task -- S VAM

++HOLD (RO57093) SYSTEM REASON (DOC) FMID (CCTVC50) COMMENT(
Product: CA Allocate DASD Space and Placement Release: 12.5
Publication: CA Allocate User Guide
See PRODUCT DOCUMENTATION CHANGE (PDC) RI57091.
)
++HOLD (RO57093) SYSTEM REASON (ENH) FMID (CCTVC50) COMMENT(
<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
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<tbody>
<tr>
<td>Product:</td>
<td>CA Allocate</td>
<td>Release: 12.5</td>
</tr>
<tr>
<td>Sequence:</td>
<td>Before restarting CA Allocate</td>
<td></td>
</tr>
<tr>
<td>Purpose:</td>
<td>Fully exploiting the performance improvements</td>
<td></td>
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<tr>
<td>Relevance:</td>
<td>All users.</td>
<td></td>
</tr>
</tbody>
</table>

Knowledge required:
1. CA Allocate Administration
2. Security Administration

Access required:
1. The library specified by the PLSPRGDS sysparm
2. The library specified in the //PARMS DD statement

Steps to perform:
1. Ensure that the CA Allocate install task has read access to SYS1.LPALIB. Product performance will be enhanced when the Batch Job or Started Task used to install the CA Allocate Operating System Interfaces (OSI) has Read Only (RO) access to SYS1.LPALIB. Lack of this RO access will only impact the performance of this product, it will not impact this product's ability to install any of its OSIs or execute any of its features.
2. Create the new EXCLJOB member. A new EXCLJOB member is introduced for the purpose of excluding jobs without needing to scan for the bypass DD. Information on implementing EXCLJOB is contained in PDC RI57091.
3. If you do not use the Quota environment, set sysparm SUPLSQ (N).
4. If you use CA Allocate only for the Quota environment, set sysparm SUPLSNV (N).
5. The remaining performance improvements are activated by default.

) .
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</table>
| 12.5    | RO58559  | RO58559 M.C.S. ENTRIES = +PTF(RO58559)
|         |          | DESC(Retire obsolete VAM0017 Message).
|         |          | ++VER(Z038) FMID(CCTVC50)
|         |          | PRE(RO57093)
|         |          | /*
|         |          | PROBLEM DESCRIPTION:
|         |          | Removed the following obsolete message that was being issued with
|         |          | REMOVE or STOP Operations but not with CLEANUP Operations:
|         |          | VAM0017 DE-INSTALL WILL COMPLETE IN 5 SECONDS
|         |          | The VAM0017 message noted above is but one of many messages that are
|         |          | issued by this product while it is shutting down. The relevant message
|         |          | is the last one issued that indicates that the shutdown process has
|         |          | successfully completed:
|         |          | VAM000I CA Allocate SHUTDOWN COMPLETED
|         |          | SYMPTOMS:
|         |          | Unnecessary VAM0017 message during REMOVE and STOP Operations.
|         |          | IMPACT:
|         |          | Minor. This legacy message became redundant some years ago.
|         |          | CIRCUMVENTION:
|         |          | Use the CLEANUP command to initiate a product shutdown instead of the
|         |          | REMOVE or STOP command.
|         |          | HIPER: NO
|         |          | DISTRIBUTION CODE: A
|         |          | PRODUCT(S) AFFECTED: CA Allocate DASD Space and Placement Release: 12.5
|         |          | RELATED PROBLEM(S): 3463
|         |          | */.
### CA Allocate DASD Space and Placement 12.5

**CA RS 1310 - PTF RO60802 Details**

<table>
<thead>
<tr>
<th>Release</th>
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</tr>
</thead>
</table>
| 12.5    | RO60802 | M.C.S. ENTRIES = ++PTF(RO60802)  
DESC(API for CA Chorus Software Manager).  
++VER(2038) FMID(CCTVC50)  
PRE(RO51092)  
/*  
PROBLEM DESCRIPTION:  
CA Chorus Software Manager (CSM) requires a non-APF-authorized means of accessing CA Allocate's internal Storage Group table. The new VAMSRV12 API will give CSM this access.  
SYMPTOMS:  
n/a  
IMPACT:  
n/a  
CIRCUMVENTION:  
n/a  
HIPER: NO  
DISTRIBUTION CODE: A  
PRODUCT(S) AFFECTED: CA Allocate DASD Space and Placement Release: 12.5  
RELATED PROBLEM(S): 3446  
*/ . |
### Release Service Details

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<tbody>
<tr>
<td>12.5</td>
<td>RO62091</td>
<td>M.C.S. ENTRIES = ++PTF(RO62091)</td>
</tr>
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</table>

**DESC:** (z/OS 2.1 Compatibility)

++VER(2038) FMID(CCTVC50)

PRE(RO31410
RO38622
RO46607
RO50160
RO57093
RO58559
RO60802)

SUP(AR62831
T263411)

/*

**PROBLEM DESCRIPTION:**
1. SOC1 abend when exiting hook installed at IGDACS00.
2. Hook at IFG0554P does not install properly.
3. Hook at IGFPRE00 never gets control.
4. Hook at IGFPST0 never gets control.
5. At IGGO26DU hook, SOC4-10 abend in V37VS$B1 trapped by ESTAE.

**SYMPTOMS:**
1. The following are the relevant messages that are issued:
   - VAMACS00 CALLING 'THE REAL' ACS00 AFTER HAVING
   - RESTORED ENTRY STATE/KEY
   - IGD300I AN ABEND OCCURRED DURING SMS PROCESSING
   - ABEND SYSTEM CODE=OC1 ASID=xxxx
   - COMPONENT NAME=SMS COMPONENT ID=DF101
   - IEA995I SYMPTOM DUMP OUTPUT

   SYSTEM COMPLETION CODE=OC1 REASON CODE=00000001
   PSW AT TIME OF ERROR 070C0000 xxxxxxx ILC 2 INTC 01

2. a) Non-VSAM data set EXTEND operations fail with SOC6-6.
   b) The following are the relevant IBM messages that are issued:

   SYSTEM COMPLETION CODE=OC6 REASON CODE=00000006
   PSW AT TIME OF ERROR 075C0000 00xxxxxx ILC 2 INTC 06

3. No EXTEND, QUOTA, SCRATCH, SPACE, RELEASE, or RENAME Environment launches.

4. None. IGGPOST0 just does follow-up work from (2) and (3), both of which are completely disabled.

5. The following are the relevant messages that are issued:
   - VAM0309 V37VS$B1 ESTAE ROUTINE HAS CONTROL
   - VAM000I CSSCVT NOT FOUND
   - DUMP TITLE=CA ALLOCATE V37VS$B1 ESTAE SDUMP

   IEC070I 203-204,jobname,stepname,ddname,ucb-addr,volser
   IMPACT:
   1. Any allocation request going through IGDACS00 terminates with SOC1 abend detailed above.
   2. No End-Of-Volume (EOV) Support. In addition, all Non-VSAM data set EXTEND operations will fail when running with 'PLSV37 (Y)'.
   3. Optional features available in the EXTEND, QUOTA, SCRATCH, SPACE, RELEASE, and RENAME Environments for managing data set allocations are unavailable.
   4. None. IGGPOST0 just does follow-up work from (2) and (3), both of which are completely disabled.
   5. VSAM EOV Support disabled.

**CIRCUMVENTION:**
1. Run with Sysparm PLSACS (N) which results in the hook at IGDACS00 not being installed.
2. Run with Sysparm PLSV37 (N) which results in the both the Non-VSAM and VSAM EOV Support not being installed.

3. None.
4. None.
5. None.

**HIPER:** YES

**DISTRIBUTION CODE:** A

**PRODUCT(S) AFFECTED:** CA Allocate DASD Space and Placement

**Release:** 12.5

**RELATED PROBLEM(S):** 3444

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<td>Product: CA Allocate</td>
<td>Release: 12.5</td>
<td></td>
</tr>
<tr>
<td>Sequence: Depends on the procedure selected below</td>
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<td>Access required: Ability to IPL the system</td>
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<td>Steps to perform:</td>
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<td>1. Stop CA Allocate -- F VAM,REMOVE</td>
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<tr>
<td>2. Apply (and Deploy) the updates</td>
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<td>3. IPL the system.</td>
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<td>1. Stop CA Allocate -- F VAM,REMOVE</td>
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<td>2. Apply/Deploy the update.</td>
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<td>3. Start the CA Allocate task -- S VAM</td>
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<td>1. While VAM is running, change the value of PLSOPT94 to (Y) in your VKGPARMs member.</td>
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<td>2. Enter this operator command to refresh the VKGPARMs:</td>
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<tr>
<td>F VAM,PARMREF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The PARMREF is complete when these messages are displayed:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAM0360 ALL PARAMETERS ARE SATISFACTORY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAM0368 REFRESH *** COMPLETED ***</td>
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<tr>
<td>3. Enter this operator command to shut down the CA Allocate task:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F VAM,REMOVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Verify these messages are displayed:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAMS014 VAM05554P REMOVED FROM CSA AT ...</td>
<td></td>
<td></td>
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<tr>
<td>VAMS014 V37VS$F1 REMOVED FROM CSA AT ...</td>
<td></td>
<td></td>
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<tr>
<td>VAMS020 VAMSSIRT UNHOOKED FROM IGDZILLA.IGDSSIRT</td>
<td></td>
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<tr>
<td>VAMS014 VAM2F$F1 REMOVED FROM CSA AT ...</td>
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<tr>
<td>VAMS014 VAM0002F REMOVED FROM CSA AT ...</td>
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<td>VAMS014 V37V$AM REMOVED FROM CSA AT ...</td>
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<tr>
<td>VAMS020 VDSAB454 UNHOOKED FROM IEFAB454</td>
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<tr>
<td>VAMS014 VAMSSIRT REMOVED FROM CSA AT ...</td>
<td></td>
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<tr>
<td>VAMS014 VAMCLEA REMOVED FROM CSA AT ...</td>
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<tr>
<td>VAMS014 VDSAB453 REMOVED FROM CSA ...</td>
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<td>VAMS014 VDSAB454 REMOVED FROM CSA ...</td>
<td></td>
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<tr>
<td>VAMS014 VDSPOST0 REMOVED FROM CSA ...</td>
<td></td>
<td></td>
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<tr>
<td>5. If the messages in #4 are not displayed and a hook cannot come out, determine which product is preventing its LIFO removal, then remove it. You can use the TSOTEST JCL member of the CCTVJCL library to get a list in sequence of the hooks installed.</td>
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<tr>
<td>6. Issue this operator command: S VAM,PARM=CLEANUP</td>
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<td>7. If the messages in #4 are not displayed and a hook cannot come out, determine which product is preventing its LIFO removal, then remove it. You can use the TSOTEST JCL member of the CCTVJCL library to get a list in sequence of the hooks installed.</td>
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<tr>
<td>8. Issue this operator command: F VAM,CLEANUP</td>
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<tr>
<td>When successful, this will shut down the CA Allocate started task.</td>
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| 9. Repeat steps 5 and 6 if additional hook removal problems are
If any hook still fails to remove, start CA Allocate to continue its processing you will have to plan on an IPL to implement these PTFs.

10. When all of the hooks are removed, then apply/deploy the PTFs.
11. Start the CA Allocate task -- S VAM