CA Allocate™ DASD Space and Placement

Release Notes

r12.5, Second Edition

Second Edition

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CA Product References

This document references the following CA Technologies products:

- CA Allocate™ DASD Space and Placement (CA Allocate)
- CA Mainframe Software Manager (CA MSM)

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Chapter 1: New Features

These features were added after the initial release of CA Allocate™ DASD Space and Placement, r12.5.

This section contains the following topics:

Control SCRATCH/NOSCR During DEFINE GDG (see page 7)
Improved Run Time Performance (see page 7)
EOV for Permanent Uncataloged non-VSAM (see page 7)
Non-VSAM EOV Support for CA Data Base Organizer (see page 8)
Preventing Allocation Errors When a Volume is not Online (see page 8)
Redrive Volume Selection (see page 8)
SNC2 Support at Jobstep Termination (see page 8)
Volume Selection by Least Freespace (see page 8)
New Variables (see page 9)
Changes to Variables and ASR (see page 10)

Control SCRATCH/NOSCR During DEFINE GDG

When a GDG base is defined, the new variable &SCRATCH_GDS_WHEN_UNCATLG (alias &SCRGDS) lets you control use of the SCRATCH and NOSCRATCH keywords.

Improved Run Time Performance

The run-time performance is improved by default. Performing the following optional steps can result in further improvements.

- Ensure that the CA Allocate task has read access to SYS1.LPALIB, so it can preload a local copy of IGGCSI00.
- Create the EXCLJOB member. This member lets jobs be excluded without CA Allocate needing to scan for the Bypass DD. Up to 1000 job names or patterns can be included.
- If you do not use the Quota Environment, set sysparm SUPLSQ(N).
- If you use CA Allocate only for the Quota Environment, set sysparm SUPLSNV(N).

EOV for Permanent Uncataloged non-VSAM

Setting PLSOPT47 to Y activates the End-Of-Volume Support for not cataloged, permanent, non-VSAM data sets.

Non-VSAM EOV Support for CA Data Base Organizer

Set one of two mutually exclusive sysparms, PLSEOV65 or PLSEOV69, to Y. This launchs the EOV Environment for CA Data Base Organizer non-VSAM data sets when they encounter potential x37 conditions.

If CA Data Base Organizer is on v14.0, apply RO35989 to that product.

Preventing Allocation Errors When a Volume is not Online

You can set new sysparms PLSF244I and PLSFNDEL8 to Y. CA Allocate can remove invalid volumes that are specified in the JCL from internal control blocks.

Redrive Volume Selection

Setting PLSOPT41(Y) enables redrive of the volume selection when the volume selected has lost its free space before the allocation is complete. This change only applies to new, non-SMS-Managed, VSAM data sets. These VSAM data sets have been redirected in the DEFINE environment by the Allocation Selection Routine. The Storage Group was defined with a Free-Space Threshold.

SNC2 Support at Jobstep Termination

Set PLSOPT44 to Y bypass stop-not-catlgd2 (SNC2) processing. The processing is for JCL streams that contain two DDs that point to the same DSN, as shown here:

```
//STEP2  EXEC PGM=IEFBR14
//INPUT  DD  DSN=HLQ.SNC2,DISP=(OLD,DELETE)
//OUTPUT DD  DSN=HLQ.SNC2,DISP=(NEW,CATLG)
```

Setting PLSOPT44 to N (default N), causes the SNC2 processing to continue to invoke for this type of JCL. To determine if this PLSOPT44 option is wanted, review your ASR for its use of the &SNC2 variable.

Volume Selection by Least Freespace

When &VOLUME_SELECTION_BY_LEAST_FREESPACE is set to Y, all volumes in the primary Storage Group (SG) are checked. The one with the least available freespace that supports the allocation request is chosen. The largest available freespace extents are left on the volumes in the SG to satisfy future large allocation requests.

New Variables

The following variables were added to CA Allocate:

- COND_SUPPRESS_VAM040X_MSGS
- DEFER_SNC2_U
- EATTR
- EFFECTIVE_PLSALLPS_VALUE
- IBM_DC_ACS_RTN_EXECUTED
- IBM_MC_ACS_RTN_EXECUTED
- IBM_SC_ACS_RTN_EXECUTED
- IBM_SG_ACS_RTN_EXECUTED
- NTRK
- REDRIVE_BY_SMS
- ROUND
- SCRATCH_GDS_WHEN_UNCATLG
- SYSUT3_SYSUT4_DDNAMES
- VOLUME_SELECTION_BY_LEAST_FREESPACE

For more information, see the CA Allocate User Guide.

Changes to Variables and ASR

The following changes were made to variables and ASR.

- The ASR WRITE statements no longer display numeric values with a leading blank.
- In the ALLOC, SPACE, and EXTEND Environments, the value of the DSORG variable reflects PSE when the following settings occur:
  - The DSNTYPE variable reflects either EXC or EXR or
  - The DC_DSNTY variable reflects either EXC or EXR.

  An exception occurs when:
  - The DC_DSNTY variable reflects EXC or
  - The EXR and the DSNTYPE variable reflect another DSORG.

  The DSNTYPE JCL parameter overrides any data set name type that is specified in the associated Data Class. The DSTYPE variable shows the value GDG in the DEFINE environment when a GDG base is defined.

The following read-only variable is not available in the EOV_VSAM Environment:

- CISIZE

The following read-only variables are available in the EXTEND Environment:

- BUFFERSPACE
- CATDSN
- CATHLQ
- CATLLQ
- CATNQUAL
- NTRKD
- NTRKI
- OWNERID

The following variables are available in the SPACE Environment:

- DEVCLAS
- VOLSER