Updates that apply to IBM® DB2® Analytics Accelerator Loader for z/OS® V2R1 User's Guide (SC27-6777-00)

Date of change: July 2017
Topic: Multiple
Change description: Documentation changes made in support of PTF UI48725 APAR PI81870 – Support for HLORESET on the EXEC statement for the DSNUTILB program

- Topic "What's new" in chapter "Overview"
- Topic "Accelerator Loader messages" in chapter "Troubleshooting"
- Topic "Terminating a DB2 utility for which interception has occurred" in chapter "Troubleshooting"
- Topic "Terminating a DB2 utility using HLORESET" in chapter "Troubleshooting"

Topic: "What's new"
Add the following description:

A new method is available for terminating a DB2 utility for which DSNUTILB intercept processing is occurring or has occurred and performing the associated maintenance tasks related to DSNUTILB interception. In addition to using the Accelerator Loader maintenance utility HLOMAINT, you can now perform these tasks by specifying a new value, HLORESET, on the EXEC statement for the DSNUTILB program. Using this new method, you can terminate a stopped utility (if one exists), perform the associated maintenance tasks, and issue the new DSNUTILB request, all in one job. Previously, you had to submit an additional job to use the HLOMAINT utility separately to terminate a stopped utility and perform the associated maintenance tasks prior to running DSNUTILB.

Topic "Accelerator Loader messages"
Add the following message:

HLOU4110I   HLORESET performed for utility id *utilid_id*
Explanation: The HLORESET parameter was specified on the DSNUTILB EXEC statement for the job step. Any stopped utility was terminated and the HLO status table entries were deleted for the utility id.
User response: No action is required.

Topic: "Terminating a DB2 utility for which interception has occurred"
Rename this topic to "Terminating a DB2 utility using the HLOMAINT utility".

Topic: "Terminating a DB2 utility using HLORESET"
Add as a new topic after "Terminating a DB2 utility using the HLOMAINT utility".

Terminating a DB2 utility using HLORESET

You can terminate a DB2 utility for which DSNUTILB intercept processing is occurring or has occurred and perform the associated maintenance tasks related to DSNUTILB interception by specifying the Accelerator Loader value `HLORESET` on the EXEC statement for the DSNUTILB program.

About this task
Using this method, you can terminate a stopped utility (if one exists), perform the associated maintenance tasks, and issue the new DSNUTILB request, all in one job.

Note: If you use the HLOMAINT utility directly, you must submit a job to use the HLOMAINT utility to terminate a stopped utility and perform the associated maintenance tasks, and then you must submit another job to run DSNUTILB.

To be used with an existing parameter for the DSNUTILB program, Accelerator Loader provides the value, `HLORESET`, which disallows any restart of external LOAD utility execution. This parameter value is only tolerated when DSNUTILB execution is intercepted through the DSNUTILF exit under the control of Accelerator Loader.

The DSNUTILB program accepts three standard parameters, as shown in the following EXEC statement:

`//stepname EXEC PGM=DSNUTILB,PARM='system,[uid],[utproc]'`

The *utproc* parameter is optional and specifies a restart option. In addition to the standard values allowed by DSNUTILB, *utproc* can be coded with the Accelerator Loader value `HLORESET`. The `HLORESET` specification directs the Accelerator Loader intercept to perform the following tasks prior to running DSNUTILB:

1. Terminate any stopped utility with utility ID *uid* with the DB2 -TERM UTILITY command.
2. Delete all rows in the following Accelerator Loader status tables associated with utility ID *uid*:
   - HLOOBJSTAT
   - HLOUSTAT
   - HLOUSTMTINFO
   - HLOUSTMTTEXT
   - HLOUSTMTVOL
   - HLOUOBJECT
   - HLOUFIELDSPEC
   - HLOUDISCARDTBL
   - HLOUCOPY
3. Restore the object space status if changed by Accelerator Loader due to a prior LOAD of a table in CDC replication state.

These actions are identical to running the HLOMAINT utility with the following parameters:

`PARM='hloid,TERM_UTILITY,ssid,uid'`

Procedure
To terminate any stopped, intercepted utility and perform the associated maintenance tasks related to DSNUTILB interception prior to running DSNUTILB, include the `HLORESET` specification on the EXEC statement for the DSNUTILB program. The following example shows the syntax for an EXEC statement for the DSNUTILB program:

`//stepname EXEC PGM=DSNUTILB,PARM='system,[uid],[utproc]'`

utproc
> Specifies the restart processing behavior, as provided by the standard values allowed by DSNUTILB. To terminate a DB2 utility for which DSNUTILB intercept processing is occurring or has occurred and perform the associated maintenance tasks related to DSNUTILB interception, specify the following Accelerator Loader value:
>
> `HLORESET` – Before running DSNUTILB, terminate any stopped, intercepted utility with utility ID *uid* and perform the associated maintenance tasks related to DSNUTILB interception. Also, restore the object space status if it was changed by Accelerator Loader due to a prior LOAD of a table in CDC replication state.

The following statement provides an example of using the new `HLORESET` specification:

`//HLOLOAD EXEC PGM=DSNUTILB,PARM='RA1B,HLOIVP,HLORESET'`

After the stopped utility is terminated and the associated maintenance tasks are performed, or if no stopped utility exists, the DSNUTILB request is processed.

No additional modifications to existing JCL are required.

For more information on the standard DSNUTILB parameters, see the *IBM DB2 Utility Guide and Reference*.