

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

Date of change: September 2017

Topic: Multiple

Change description: Documentation changes made in support of PTF UI50764 APARs PI85815 and PI86642 – Provide return code option when rows are discarded on a load; Enhance External load to offload more CPU cycles to the zIIP processors

- Topic "What's new" in chapter "Overview"
- New topic "Modifying started task initialization options" in chapter "Customizing DB2 Analytics Accelerator Loader"
- Topic "Restrictions and considerations for loading from an external file" in chapter "Loading data from an external file"
- Topic "Accelerator Loader messages" in chapter "Troubleshooting"

Chapter "Overview"

Topic: "What's new"

Add the following descriptions:

When loading from an external file to the accelerator and DB2, Accelerator Loader can issue a user-supplied return code when DB2 LOAD discards rows that Accelerator Loader has already delivered to the accelerator. A new Accelerator Loader started task option, RC_WHEN_DB2_DISCARDS, is provided for defining the return code. This new option does not change the return code when a row is discarded from both DB2 and the accelerator.

Accelerator Loader now offloads more CPU cycles to the IBM z Integrated Information Processor (zIIP). This additional zIIP exploitation is available only when External load does not sort the data. External load sorts data only when loading a range-partitioned or index-partitioned object from a single SYSREC data set (that is, when partition level SYSREC data sets are not used).

Chapter "Customizing DB2 Analytics Accelerator Loader"

Add the following new topic.

New topic: "Modifying started task initialization options"

Modifying started task initialization options

Use this task to modify a started task initialization option that is not available in Tools Customizer.

About this task

Started task initialization options are defined in the options module *hloidOPTS*, which is generated using Tools Customizer. Most options in the module are defined using Tools Customizer; however, there are exceptions. Use this procedure to add or update an option that is not available in Tools Customizer.

Important: It is recommended that you modify available started task initialization options through Tools Customizer. Use this procedure only for those parameters that are not included in Tools Customizer.

The following started task initialization option is not included in Tools Customizer:

Option	Required?	Valid values	Default value
RC_WHEN_DB2_DISCARDS="rc" When performing Dual loads, this option controls the value of the return code (<i>rc</i>) that is issued when the DB2 LOAD utility discards rows that Accelerator Loader has already delivered to the accelerator. An example of when this type of condition occurs is when DB2 LOAD detects unique index key violations and discards rows with duplicate keys. This option applies when performing Dual loads only.	No	4-99	4

Procedure

1. Locate the *hloid*OPTS member (where *hloid* is the started task configuration ID) that was generated using Tools Customizer for your started task configuration.
2. Add or modify the started task initialization options as needed, and save your changes.
3. Recycle the Accelerator Loader started task *hloid*PROC.

Chapter "Loading data from an external file"

Topic "Restrictions and considerations for loading from an external file"

In section "Considerations for loading the accelerator and DB2", add the following item to the list:

- When loading from an external file to the accelerator and DB2, Accelerator Loader can issue a user-supplied return code when DB2 LOAD discards rows that Accelerator Loader has already delivered to the accelerator. For more information, see "Discard data set restrictions and considerations".

In section "Discard data set restrictions and considerations", add the following item to the list:

- Accelerator Loader can issue a user-supplied return code when DB2 LOAD discards rows that Accelerator Loader has already delivered to the accelerator. By default, Accelerator Loader issues return code 4 on a load when rows are discarded. This behavior mimics the DB2 LOAD utility which also issues return code 4 on discards. Using the Accelerator Loader started task option RC_WHEN_DB2_DISCARDS, Accelerator Loader can issue a user-supplied return code when DB2 LOAD discards rows that Accelerator Loader has already delivered to the accelerator. This option applies when performing Dual loads only and does not change the return code when a row is discarded from both DB2 and the accelerator. For information on setting this option, see "Modifying started task initialization options".

Topic: "Accelerator Loader messages"

Add the following messages:

HLOU4112E **SYSIN CONVERSION ERROR. RC= *conversion_service_rc* , RSN= *conversion_service_rsn*, TARG=*target_ccsid***

Explanation: Unicode conversion service failed SYSIN conversion.

User response: Contact IBM Software Support. Be prepared to provide support with the started task SYSPRINT output as well as the batch Accelerator Loader job log.

HLOU5060I **TCB: *tcb_address* E35 Xfers: *transfer_count* Pipe Writes: *write_count* Waits: *wait_count* CPU Time: *milliseconds***

Explanation: This is an informational message issued when tracing has been activated.

User response: No action is required.

HLOU5061I **Task: *task_name* CPU Time: *milliseconds***

Explanation: This is an informational message issued when tracing has been activated.

User response: No action is required.