

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

Date of change: October 2016

Topic: Multiple

Change description: Documentation changes made in support of PTF UI41261 APAR PI67020 Tools Customizer enhancements for Accelerator Loader

Topic: “What's new” in Ch. 1 Overview

Topic: “Product Parameters panel (CCQPPRD) tasks and parameters” in Ch. 2 Preparing to customize

Topic: “Task: Create Accelerator Loader files” in Ch. 2 Preparing to customize

Topic: “Task: Create the server and the server components (required)” in Ch. 2 Preparing to customize

Topic: “Task: Create the IVP jobs” in Ch. 2 Preparing to customize

Topic: “DB2 Parameters section” in Ch. 2 Preparing to customize

Topic: “Defining DB2 Analytics Accelerator Loader parameters” in Ch. 3 Customizing DB2 Analytics Accelerator Loader

Topic: “Defining DB2 parameters” in Ch. 3 Customizing DB2 Analytics Accelerator Loader

Topic: “Submitting customization jobs” in Ch. 3 Customizing DB2 Analytics Accelerator Loader

Topic: “Accelerator Loader terminology” in Ch. 12 Reference

Topic: “DSNUTILB intercept and the DSNUTILB intercept policy” in Ch. 12 Reference

Topic: “What’s new” in Ch. 1 Overview

Add the following description:

With Tools Customizer, you can perform the following Accelerator Loader customization tasks:

- Add the SYSAFF parameter to generated JCL for all non-DB2 tasks
- Create and use product staging libraries. Product staging libraries are a complete set of product data sets. Using staging libraries, you can retain customized modules when maintenance is applied to the product base libraries.
- Specify a UNIT value to use in some configuration jobs
- Include the Tools Customizer job card when generating the installation verification procedure (IVP) jobs
- Specify to use DSNUPROC (or another stored procedure) to run the utilities in the IVP jobs for each DB2 SSID
- Include STOGROUP and BUFFERPOOL in the IVP jobs
- Customize the Loader Policy for all SSIDs being customized

Topic: “Product Parameters panel (CCQPPRD) tasks and parameters” in Ch. 2 Preparing to customize

Add the following new parameters to the table:

Parameter	Required?	Discovered?	Default value	Your value
SYSAFF parameter for non-DB2 specific jobs The LPAR value to use in the SYSAFF parameter for those customization jobs that are not DB2-specific. This value does not override the SYSAFF parameter specified in each DB2 subsystem configuration. This value is used for those Tools Customizer customization jobs that perform tasks such as creating the product CLISTs or creating the server files.	No	No	No default	
Staging library high-level qualifier The high-level qualifier to use for the staging libraries. Staging libraries enable you to retain customized copies of PDS members. When this parameter is specified, the staging libraries will be customized instead of the base product libraries. Note: If you previously customized staging libraries and then want to switch to using the product base libraries, you must re-customize Accelerator Loader using the base libraries.	No	No	No default	
Data set device type The device type to use for data sets allocated during the customization process. These data sets include the SEF rule data sets and the data sets used in the IVP jobs.	Yes	No	SYSALLDA	

Topic: “Task: Create Accelerator Loader files” in Ch. 2 Preparing to customize

Add this new topic after “Product Parameters panel (CCQPPRD) tasks and parameters”.

This required task creates files for the staging libraries, load libraries, and other components that Accelerator Loader uses. During the customization process, enter these values on the Product Parameters panel (CCQPPRD).

Jobs generated

These jobs are based on the templates HLOLIBS, HLOVOBJ, HLOVSEF, HLOUMAP, and HLODFDIV, which are generated once per LPAR. The generated jobs are stored in the Product Customization Library, which is displayed on the Finish Product Customization panel. The generated job names might vary, but the template names do not.

Step or parameter	Required?	Discovered?	Default value	Your value
Create staging libraries When this step is selected, a job is generated that creates product staging libraries in which users may retain any customized modules when maintenance is applied. It is these staging libraries that the Tools Customizer batch jobs will customize.	No	No	Selected	
Create the OBJ files When this step is selected, a job is generated that creates the OBJ file that is used by the Accelerator Loader server at start up.	Yes	No	Selected	
Create the server event facility files When this step is selected, a job is generated that creates the server event facility files used by the Accelerator Loader server at start up.	No	No	Selected	
Create a user-defined map data set When this step is selected, a job is generated that creates the user-defined map file. A map file is used by the Accelerator Loader server and contains definitions that map records in the source to the target.	No	No	Selected	
User-defined map file Specifies the fully qualified user-defined map file to create for use by the Accelerator Loader server. This file contains definitions that associate fields in the source data record with columns in the target table for loading to the Accelerator.	No	No	No default	
Create the trace and checkpoint files When this step is selected, a job is generated that creates the Trace browse file and the Global variable checkpoint files that are used by the server.	No	No	Selected	
Trace browse file Specifies the high-level qualifier of the trace browse data set for use by the Accelerator Loader server. This file will contain informational messages from the server as it processes source data.	If the step is selected, you must specify a value.	No	No default	

Step or parameter	Required?	Discovered?	Default value	Your value
Global variable checkpoint file Specifies the high-level qualifier of the global variable data set for use by the Accelerator Loader server. This file will contain parameters that define how the server is to process source data.	If the step is selected, you must specify a value.	No	No default	
Volume serial number Specifies the volume serial number that the server uses for the trace and checkpoint data sets. To let SMS choose the volume, leave the field blank. Do not place this data set on a volume that is subject to reserve conflicts.	No	No	No default	
Trace browse file primary allocation Specifies the primary allocation, in cylinders, for the trace data set. The trace data set must be large enough to contain the number of messages specified in the parameter Maximum rows to retain. Exactly 720 messages fit in a 3390 cylinder. Each message is 1024 bytes long.	Yes	No	525	
Trace browse file secondary allocation Specifies the secondary allocation, in cylinders, for the trace data set. The trace data set must be large enough to contain the number of messages specified in the parameter Maximum rows to retain. Exactly 720 messages fit in a 3390 cylinder. Each message is 1024 bytes long.	Yes	No	50	
Global variable file primary allocation Specifies the primary allocation, in cylinders, for the global variable checkpoint data set. Approximately 1180 variables can fit in one cylinder.	Yes	No	5	
Global variable file secondary allocation Specifies the secondary allocation, in cylinders, for the global variable checkpoint data set. Approximately 1180 variables can fit in one cylinder.	Yes	No	1	

Topic: “Task: Create the server and the server components (required)” in Ch. 2 Preparing to customize

Remove the rows for the following steps or parameters from the table:

- Create the OBJ file
- Create a user-defined map data set
- User-defined map file
- Create the trace and checkpoint files
- Trace browse file
- Global variable checkpoint file
- Volume serial number
- Trace browse file primary allocation
- Trace browse file secondary allocation
- Global variable file primary allocation
- Global variable file secondary allocation

Topic: “Task: Create the IVP jobs” in Ch. 2 Preparing to customize

This topic will be renamed “Task: Create installation and verification jobs”

Topic: “DB2 Parameters section” in Ch. 2 Preparing to customize

Add the following new parameters to the table:

Parameter	Required?	Discovered?	Default value	Your value
IVP job utility stored procedure name The DB2 utility stored procedure name to use when executing utilities within the IVP jobs for Accelerator Loader.	Yes	No	DSNUPROC	
IVP job utility region size The region size in megabytes to use for the utility batch job step when executing the IVP jobs for Accelerator Loader.	Yes	No	0	

Topic: “Defining DB2 Analytics Accelerator Loader parameters” in Ch. 3 Customizing DB2 Analytics Accelerator Loader

Add the following information under “About this task”:

When customizing Accelerator Loader, you can use staging libraries. Product staging libraries are a complete set of product data sets. Using staging libraries, you can retain customized modules when maintenance is applied to the product base libraries. When staging libraries are used, the Tools Customizer batch jobs will customize the staging libraries rather than the base libraries.

You can only customize one set of libraries per each Tools Customizer configuration; you cannot customize two sets of libraries within the same configuration. If you are using the staging libraries and want to start using the base libraries, you must re-customize Accelerator Loader using the base libraries.

Replace the figure in Step 1 under “Procedure” with the following updated example:

```
TCUSTMZR          Product Parameters: DB2 Accelerator Loader      15:33:25
Command ==>                               Scroll ==> PAGE

Commands: SAVE  VERIFYOFF
Line Commands: / - Select

Product customization library : TSUSER.TESTA.$RS25$.HLO210      More:      +

Common parameters
  SYSAFF parameter for non-DB2 specific jobs LPAR1
  Accelerator Loader Server high-level qualifier
    TSUSER.HLV
  *Accelerator Loader high-level qualifier
    TSUSER.HLO
  Staging library high-level qualifier
    TSUSER.STAGE
  FEC common code high-level qualifier
    TSUSER.FEC
  Data set device type . . . . . DASD

* Create Accelerator Loader files

  / Create staging libraries

  * Create the OBJ files

  / Create the server event facility files

  / Create a user-defined map data set
    User-defined map file

  / Create the trace and checkpoint files
  *Trace browse file . . TSUSER.HLO210.TRACE
  *Global variable checkpoint file
    TSUSER.HLO210.GLVLCHECK
    Volume serial number . . . . . 525
  *Trace browse file primary allocation . . 525
  *Trace browse file secondary allocation . 50
  *Global variable file primary allocation 5
  *Global variable file secondary allocation
    1
```

Topic: “Defining DB2 parameters” in Ch. 3 Customizing DB2 Analytics Accelerator Loader

Replace the figure in Step 1 of the procedure with the following updated example:

```

TCUSTMZR          DB2 Parameters: DB2 Accelerator Lo          Options saved.
Command ==>                               Scroll ==> CSR

Commands: SAVE  VERIFYOFF

DB2 subsystem ID . . . . . : DSN1
Group attach name . . . . .
*This is the primary subsystem . . . . . YES (YES, NO)

General DB2 Information - common
*Mode . . . . . NFM (NFM, CM)
*Level number . . . . . 101 (101, 111)

DB2 Libraries - common
*Load library . . . . . DSN.SDSNLOAD
*Run library . . . . . DSN.RUNLIB.LOAD
*Exit library . . . . . DSN.SDSNEXIT
*Bootstrap data set . . . DSN.SDSNBSDS

DB2 Utilities - common
SYSAFF for DB2 utilities . . . . .
*DSNTEP2 plan name . . . . . DSNTEP2

Accelerator Loader BIND Parameters
*Accelerator Loader plan name . . . . . HLOV21PL
*BIND owner ID . . . . . DB2USER
*Server BIND collection ID . . . . . DB2USER
*User ID for GRANT statement . . . . . PUBLIC

Accelerator Loader DB2 Parameters
*DB2 ZPARMS member . . . . . DSNZPARM
*IVP job utility stored procedure name . . DSNUPROC
*IVP job utility region size . . . . . 0
*SET CURRENT SQLID . . . . . DB2USER
*Subsystem type . . . . . MEMBER (GROUP, MEMBER, LUW)
*Subsystem Location . . . . . DEV1DNS1
*Subsystem status . . . . . ENABLE (ENABLE, DISABLE)
*Subsystem port number . . . . . 443
*Subsystem domain name . . . . . HOST.DOMAIN.COM
*Subsystem CCSID value . . . . . 37

```

Topic: “Submitting customization jobs” in Ch. 3 Customizing DB2 Analytics Accelerator Loader

Replace the figure with the following updated example:

CCQPCMI

Command ==>

Finish Product Customization

Row 1 to 24 of 24

Scroll ==> CSR

Line Commands: E - Edit B - Browse

Product customization library .: TSUSER.TCZ.HLO21.\$RS25\$.HLO210

>

Cmd	Member	New	SSID	GrpAttch	Template	Date	Description
*	*	*	*	*	*	*	
-	-----	-	-	-	-----	-----	----->
	A0STAA	NO	--	--	HLOLIBS	2016/09/20	Creates staging libs
	A1VOBJ	NO	--	--	HLOVOBJ	2016/09/20	Creates OBJ file
	A2VSEF	NO	--	--	HLOVSEF	2016/09/20	Creates SEF files
	A3UMAP	NO	--	--	HLOUMAP	2016/09/20	Creates user map file
	A4DFDIV	NO	--	--	HLODFDIV	2016/09/20	Creates server files
	A51CAA	NO	--	--	HLO1CLST	2016/09/20	Configures startup CLIST 1
	A62CAA	NO	--	--	HLO2CLST	2016/09/20	Configures startup CLIST 2
	A7STAA	NO	--	--	HLOSTCJ	2016/09/20	Creates STC and components
	A8SMAA	NO	--	--	HLOSMPJ	2016/09/20	Creates repository maintena
	A9HLVS	NO	--	--	HLOHLVS	2016/09/20	Creates the server
	B0IN00	YES	--	--	HLOIN00	2016/09/20	Creates the server parms
	B1DRAAAA	NO	QA1A	--	HLODROP	2016/09/20	Drops repository objects
	B2DDAAAA	NO	QA1A	--	HLODDL	2016/09/20	Creates repository objects
	B3RFAAAA	NO	QA1A	--	HLORFREE	2016/09/20	Frees packages and plans
	B4VFAAAA	NO	QA1A	--	HLOVFREE	2016/09/20	Frees server packages
	B5RBAAAA	NO	QA1A	--	HLORBIND	2016/09/20	Binds packages and plans
	B6VBAAAA	NO	QA1A	--	HLOVBIND	2016/09/20	Binds server packages
	B7RGAAAA	NO	QA1A	--	HLOGRNT	2016/09/20	Grants EXECUTE authority
	B8VGAAAA	NO	QA1A	--	HLOVGRNT	2016/09/20	Grants EXEC to server pkgs
	B9CPAA	NO	--	--	HLOCPROF	2016/09/20	Creates profile data sets
	C0MPAA	NO	--	--	HLOMPROF	2016/09/20	Migrates profiles
	C2UCAAAA	NO	QA1A	--	HLOUCNTL	2016/09/20	Updates control file
	C3IVAA	NO	--	--	HLOIVP	2016/09/20	Creates IVP jobs
	C4ADAA	NO	--	--	HLOADBI	2016/09/20	Configures the REXX EXEC
----- End of customized jobs -----							

Topic: “Accelerator Loader terminology” in Ch. 12 Reference

Add the following term:

Staging libraries

A copy of the product base libraries that are used when customizing Accelerator Loader. By using staging libraries, you can retain customized modules when maintenance is applied.

Topic: “DSNUTILB intercept and the DSNUTILB intercept policy” in Ch. 12 Reference

Update the following paragraph:

A <DB2SYSTEM> element identifies a DB2 subsystem for which to monitor DB2 LOAD processing. During customization, the primary DB2 subsystem and all other DB2 SSIDs associated in the Tools Customizer Workplace panel are generated into the policy. You can also manually specify additional <DB2SYSTEM> elements within the <POLICY> section of the generated Accelerator Loader policy.