ALTER and CHANGE MANAGER support using spanned records to unload and load LOB and XML data

Overview of the enhancement

ALTER and CHANGE MANAGER version 11.2 can now unload and load existing LOB and XML column data by using spanned records on Version 10 and 11 of IBM DB2 subsystems.

With the enhancement, you can choose to unload and load LOB and XML data as follows:

<table>
<thead>
<tr>
<th>Unload and load option</th>
<th>LOB</th>
<th>XML</th>
</tr>
</thead>
<tbody>
<tr>
<td>File reference input data set</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>LOB DATA MOVER component</td>
<td>X</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Spanned records</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

**Note**

BMC plans to remove the LOB DATA MOVER component in the 12.1 release of CHANGE MANAGER.

Requirements and restrictions

This enhancement requires that dynamic allocation of the SYSREC data set be enabled (via the DYNULD ALUIN keyword).

The following restrictions for spanned records apply:

- You can use only the following combinations of utilities:
— BMC UNLOAD PLUS and BMC LOADPLUS
— IBM UNLOAD and IBM LOAD

■ You cannot use BMC UNLOAD PLUS and LOAD PLUS during Analysis when you create full-recovery baselines. You must use IBM UNLOAD and LOAD.

■ You cannot use the UTILCOPY option, and your required choice of DYNUNLD will ensure that UTILCOPY is not used. You must use a standalone image copy.

■ You cannot use the ORDERBY option and perform Analysis with BMC UNLOAD PLUS and LOADPLUS. The worklist will be automatically built without the ORDER BY syntax.

■ You cannot include inline LOB columns and perform Analysis with BMC UNLOAD PLUS and LOADPLUS. You must use IBM UNLOAD and LOAD.

■ You cannot specify the NOLOBDATA or NOXMLDATA ALUIN keywords.

■ You cannot multitask unloading and loading of data in partitioned table spaces with IBM UNLOAD and LOAD.

■ You can only use spanned records only for existing LOB or XML objects, not for new objects.

**Product changes**

The products include the following changes to support spanned records:

■ The SPANNED installation option specifies that the product uses spanned records to migrate XML or LOB column.

■ The SPANNEDRECS and NOSPANNEDRECS ALUIN input keywords tell the products whether to use spanned records to migrate XML or LOB columns.

■ On the Analysis Worklist Options panel, the new Use spanned records field lets you override the installation option for spanned records.

■ The CM_UNLOADDSN product table has been changed.

■ The products include the following messages:

— BMC45589I MULTITASKING DISABLED FOR TABLE tableOwner.tableName. TABLE CONTAINS LOB OR XML COLUMN(S) AND IBM UNLOAD AND LOAD WITH SPANNED RECORDS SELECTED

— BMC396368E SUPPORT FOR SPANNED RECORDS HAS NOT BEEN ACTIVATED
Implementing the enhancement

PTF BPU8160 provides this enhancement. Use the following procedure to implement the enhancement.

1. Apply PTF BPU8160.

   BMC recommends using BMC Internet Service Retrieval (ISR) to obtain PTFs. For information about ISR, see the maintenance information in the *Installation System Reference Manual*.

   You can also obtain PTFs from eFix PTF Distribution Services (eFix). You can access eFix directly at http://apps.bmc.com/support/efix.cgi or from the support site. For information about eFix, see the online Help.

2. Enable spanned records in one of the following ways:

   - In the installation options module, change SPANNED = N (default) to SPANNED = Y.
   - Change the ALUIN keyword NOSPANNEDRECS to SPANNEDRECS.
   - In the Analysis Override Options panel (ALUFOAN1), set SPANNEDRECS to Y.

   *Note*

   If you have questions, contact Customer Support at 1 800 537 1813 (United States or Canada) or call your local support center.

Where to get the latest product information

To view the latest BMC documents, see the Support Central website at http://www.bmc.com/support.

Notices such as flashes, technical bulletins, and release notes are available on the website. You can subscribe to proactive alerts to receive e-mail messages when
notices are issued or updated. For more information about proactive alerts, see the Support Central website.