BMC is releasing version 11.2.00 of the REORG PLUS for DB2 product.

REORG PLUS is available as a stand-alone product and as a component of the following solutions:

- BMC High Speed Utilities for DB2
- BMC Performance for DB2 Databases
- BMC Database Performance for DB2

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**Note**

Before you begin installation, BMC recommends that you check the Support Central website at [http://www.bmc.com/support](http://www.bmc.com/support) for:

- Updated product documentation (for example, flashes and technical bulletins)
- Product downloads, patches, and fixes (PTFs)
- Product availability and compatibility data

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These release notes supplement and supersede the product documentation and discuss product enhancements.

The following topics are discussed:

- What's new
- RBA and LRSN conversion
- Partition rebalancing
- Pending definition changes
- MAPTEXT user exit
- Installation options for DSNUTILB reorganization jobs
- WBUFFS option
- RREPL status
- Updated indexes
- End of support for DB2 versions
- System and software requirements
- Documentation changes
- BMC Documentation Center changes
- Installation
What's new

These topics describe the changes or new features in this release.

RBA and LRSN conversion

REORG PLUS now natively supports RBA or LRSN to or from extended format (by using the RBALRSN_CONVERSION command option) when you specify SHRLEVEL CHANGE.

**Note**

PTFs BPU7461 and BPU7526 provided this functionality for version 11.1.00. For more information, see the technical bulletin dated February 16, 2015.

Partition rebalancing

REORG PLUS now natively supports partition rebalancing when the following conditions exist:
- You are reorganizing a table-based partitioned object.
- You are running on IBM DB2 Version 11 new-function mode.

**Note**

PTFs BPU7042 and BPJ0839 provided this functionality for version 11.1.00. For more information, see the technical bulletin dated October 13, 2014.

This enhancement required a change in limit key processing in REORG PLUS, which resulted in the following changes. For more information, see the *REORG PLUS for DB2 Reference Manual*.

- You no longer need ALTER INDEX and ALTER TABLE privileges for most reorganization jobs.
- The ALTRFAIL installation option is now obsolete.

- The CPYRFAIL installation option is now always set to COPYPEND when you are rebalancing partitions during your reorganization.

- REORG PLUS ignores the DB2 subsystem parameter PREVENT_ALTERTB_LIMITKEY for index-controlled partitioned objects.

Pending definition changes

REORG PLUS natively materializes most pending definition changes during the reorganization.

Due to this change, the CPYRFAIL installation option is now always set to COPYPEND when REORG PLUS materializes pending definition changes.

For more information, see the REORG PLUS for DB2 Reference Manual.

MAPTEXIT user exit

You can now use the MAPTEXIT user exit with DB2 Version 11. (Version 11.1 of REORG PLUS supported this user exit only with DB2 Versions 9 and 10.)

This user exit provides an automated method for supplying a mapping table when invoking DSNUTILB. For more information, see the REORG PLUS for DB2 Reference Manual.

Installation options for DSNUTILB reorganization jobs

REORG PLUS no longer requires or supports the individual installation options for each feature that requires invoking DSNUTILB. However, you must still specify DSNUTILB=YES.

This enhancement makes the following installation options obsolete:

- HASHAX
- IXONEX
- IXRANDOM
- LOB
- PENDDDL
- UTILB_COLCCSID
- **UTILB_NULLIX**

  If your installation options module contains any of these options, the module compiles successfully but completes with return code 4 and a message indicating that the option is obsolete.

### WBUFFS option

The second parameter of the WBUFFS installation option is now obsolete. REORG PLUS uses only the first parameter for all SYSUT1 data sets.

### RREPL status

REORG PLUS now supports read-or-replication-only (RREPL) status. Note the following restrictions:

- REORG PLUS invokes DSNUTILB when either of the following conditions exists:
  - SHRLEVEL NONE or SHRLEVEL CHANGE is in effect.
  - Some, but not all, logical partitions of a nonpartitioned index are in RREPL status.
- REORG PLUS terminates when you specify SELECT, DELETE, or UPDATE for a partition that is in RREPL status.

### Updated indexes

REORG PLUS now supports indexes in which updated entries remain in their original position on the page.

### End of support for DB2 versions

Starting with this release, REORG PLUS does not support Version 9 of the IBM DB2 database management system. In addition, this release of REORG PLUS supports DB2 Version 10 only in new-function mode.

Earlier releases will continue to support Version 9 and other modes of DB2 Version 10.
System and software requirements

This version of REORG PLUS has the following changes to minimum requirements from version 11.1.00:
- DB2 Solution Common Code (SCC) version 11.1.00 with current maintenance
- DB2 Utilities Common Code (D2U) version 11.2.00
- BMC Common Statistics component version 11.2.00

Documentation changes

This release includes the following documentation changes:
- In addition to the Installation System Reference Manual, BMC now provides the Installation System Quick Start, which enables you to quickly install the product with the Installation System.
- The name of the BMC Products and Solutions for DB2 Configuration Guide has changed to BMC Products and Solutions for DB2 Customization Guide.

BMC Documentation Center changes

The primary BMC Documentation Center is now available without a support login. This center offers:
- Documentation and Quick Courses for all products except Cost Optimization products
- Messages for all products, including Cost Optimization products

A new, secured Cost Optimization Documentation Center offers documentation and Quick Courses for the following products:
- BMC Application Accelerator for IMS
- BMC Cost Analyzer for zEnterprise (CAzE)
- BMC Intelligent Capping for zEnterprise (iCap)
- BMC Subsystem Optimizer for zEnterprise (Subzero)

Note
You must log in using your BMC Support ID to access the Cost Optimization Documentation Center.

To access the Documentation Centers, go to:
Installation

To download the latest version of the Installation System, complete these steps:

1. Go to http://www.bmc.com/support/reg/installation-system.html, or navigate to the “BMC data management for DB2 and IMS, MainView, and cost optimization products installation and maintenance” section of the BMC Support Central website.
   A BMC support user ID and password are required.

2. Click **Installation**.

3. Follow the procedures.

   **Note**
   BMC recommends updating the Installation System each time you use it to ensure that you have the most recent information. To do so, on the Installation System Main Menu, select **Check for Installation System Update**. For additional information, see the **Installation System Reference Manual**.
   To request physical shipments, contact your BMC sales representative. Contact information is available on the BMC website.

REORG PLUS is installed by using the Installation System. This section contains installation information that supplements or supersedes the information in the Installation System documentation.

Requirements

For software, hardware, and other requirements, see the Installation System documentation.

Installation changes

For information about installation changes, see the Installation System release notes.
**FMID and version information**

This release of REORG PLUS uses version 2.4.10 of the Installation System.

*Note*

If you have a later version of the Installation System, use that version to install the solution, product, or component.

During installation, the following versions and SMP/E FMIDs are installed:

<table>
<thead>
<tr>
<th>FMID</th>
<th>Product or component</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASAR71C</td>
<td>SAS_C and SAS_C++</td>
<td>7.1.00</td>
</tr>
<tr>
<td>BBASC70</td>
<td>SAS_C</td>
<td>7.0.00</td>
</tr>
<tr>
<td>ZAIN031</td>
<td>Install Execution Code</td>
<td>3.1.00</td>
</tr>
<tr>
<td>ZARUB20</td>
<td>REORG PLUS for DB2</td>
<td>11.2.00</td>
</tr>
<tr>
<td>ZATSB20</td>
<td>BMCSTATS API</td>
<td>11.2.00</td>
</tr>
<tr>
<td>ZAUP241</td>
<td>BMCSORT</td>
<td>2.4.01</td>
</tr>
<tr>
<td>ZBMR15E</td>
<td>ISR External Routines</td>
<td>1.5.00</td>
</tr>
<tr>
<td>ZBST100</td>
<td>BMC Support Tool</td>
<td>1.0.00</td>
</tr>
<tr>
<td>ZDIG190</td>
<td>Dignus C runtimes and C++ objects</td>
<td>1.9.00</td>
</tr>
<tr>
<td>ZD2UB20</td>
<td>Utilities Common Component</td>
<td>11.2.00</td>
</tr>
<tr>
<td>ZPWD330</td>
<td>BMC Password Security System</td>
<td>3.3.00</td>
</tr>
<tr>
<td>ZSCCB10</td>
<td>DB2 Solution Common Code</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZZIO180</td>
<td>DB2 Option Carryover</td>
<td>1.8.00</td>
</tr>
</tbody>
</table>

The preceding table contains the FMIDs for REORG PLUS only. You can also obtain product, solution, and component information (FMIDs, codes, and versions) in the following ways:

- View the generated installation JCL member $176APLF.
  To search the file, search on the word FORFMID.

- View one of the following reports:
  - `bxx_ozi_tape_product_list.txt` lists FMIDs for cost optimization products, products shared across product lines, and infrastructure products.
  - `cxx_ozi_tape_product_list.txt` lists FMIDs for BMC products for IBM DB2.
  - `ixx_ozi_tape_product_list.txt` lists FMIDs for BMC products for IBM IMS.
— `mxx_ozi_tape_product_list.txt` lists FMIDs for MainView products.

To access the reports on the BMC electronic software distribution (ESD) site, take the following steps:

1. Go to [http://www.bmc.com/support/reg/installation-system.html](http://www.bmc.com/support/reg/installation-system.html), or navigate to the “BMC data management for DB2 and IMS, MainView, and cost optimization products installation and maintenance” section of the BMC Support Central website.

2. Click **Product codes and FMIDs**.

3. Click one of the listed reports.

### Maintenance

After you install your software, you can download any additional SMP/E maintenance by using either BMC Internet Service Retrieval (BMC ISR) or eFix PTF Distribution Services ([http://apps.bmc.com/support/efix.cgi](http://apps.bmc.com/support/efix.cgi)).

BMC ISR is available for all products that you install by using the Installation System. For more information, see the Installation System documentation.

**Note**

Before applying maintenance, ensure that you have successfully run the $176APLF job to set up your maintenance environment.

BMC strongly recommends that you apply all available maintenance for the product and for the components and associated products that you installed with it.

### Support status

You can find the support status for specific product versions on the Support Central website. Selecting a product from the “A – Z Supported Product List” shows:

- All versions of the product and their current support levels (full or limited)
- Dates on which support ends

For more information about the latest support policies, see the Support Central website at [http://www.bmc.com/support](http://www.bmc.com/support).
Product documentation

From the Support Central website (http://www.bmc.com/support), you can:

- Link to the BMC Documentation Center to browse documentation sets (http://www.bmc.com/available/documentation-center.html or, for secured documentation sets, http://www.bmc.com/available/documentation-center-secure.html)

- View Quick Course videos (short overviews of selected product concepts, tasks, or features), which are available from the following locations:
  - Documentation Center (primary center and secured center)
  - Support Central (at http://www.bmc.com/support/mainframe-demonstrations)
  - BMC Mainframe YouTube channel (https://www.youtube.com/user/BMCSoftwareMainframe)

- View individual product documents (books and notices) within the “A – Z Supported Product List” (https://webapps.bmc.com/support/faces/az/supportlisting.jsp)

You can order hardcopy documentation from your BMC sales representative or from the support site. You can also subscribe to proactive alerts to receive e-mail messages when notices are issued.

Customer support

If you have problems with or questions about a BMC product, see the support website at http://www.bmc.com/support. You can view or download product documents, find answers to frequently asked questions, and download products and maintenance. If you do not have access to the web and you are in the United States or Canada, contact Customer Support at 1 800 537 1813. Outside the United States or Canada, contact your local BMC office or agent.

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