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

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

- BMC Recovery for DB2
- BMC High Speed Utilities for DB2
- BMC Object Administration for DB2
- BMC Recovery Management for DB2
- BMC Database Administration for DB2

**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

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

The following topics are discussed:

**What's new**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>End of support for DB2 versions</td>
<td>2</td>
</tr>
<tr>
<td>Native support for SHRLEVEL CHANGE RESETMOD YES copies</td>
<td>2</td>
</tr>
<tr>
<td>Online consistent copies for LOBs</td>
<td>2</td>
</tr>
<tr>
<td>Tagged copies for migration</td>
<td>3</td>
</tr>
<tr>
<td>Support for migrating XML spaces</td>
<td>3</td>
</tr>
<tr>
<td>Support for migrating statistics</td>
<td>3</td>
</tr>
<tr>
<td>EXPORT file for MIGRATE without copies on the target</td>
<td>3</td>
</tr>
<tr>
<td>Incremental copies with Instant Snapshots</td>
<td>3</td>
</tr>
<tr>
<td>Ability to register LP Instant Snapshots like DB2 FlashCopies</td>
<td>3</td>
</tr>
<tr>
<td>Instant Snapshots of DB2 catalog</td>
<td>4</td>
</tr>
<tr>
<td>COPY IMAGE COPY of LOBs from system backups</td>
<td>4</td>
</tr>
</tbody>
</table>
What's new

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

End of support for DB2 versions

Starting with this release, COPY PLUS does not support Version 9 of the IBM DB2 database management system. In addition, COPY 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.

Native support for SHRLEVEL CHANGE RESETMOD YES copies

Previous releases of COPY PLUS called DSNUTILB to make SHRLEVEL CHANGE RESETMOD YES copies. COPY PLUS can now make these copies natively with the new SLCHRESET option.

Online consistent copies for LOBs

Starting with this release, COPY PLUS can make online consistent copies of large object (LOB) spaces.
Tagged copies for migration

In the previous release, running EXPORT to identify copies for migration did not always clearly identify which copies were exported, especially if the copies were made in multiple jobs. With the new TAG and TAGSET options, this release allows you to "tag" copies for migration to simplify selecting copies for migration.

Support for migrating XML spaces

This release adds support for migrating XML spaces by using image copies.

Support for migrating statistics

This release adds support for migrating statistics with the new EXPORT STATS option.

EXPORT file for MIGRATE without copies on the target

In the previous release, when creating an EXPORT file for MIGRATE, COPY PLUS required that copies exist on the target system for the spaces to be migrated, even though those copies would not be used. This release allows EXPORT for MIGRATE without requiring copies on the target.

Incremental copies with Instant Snapshots

This release adds support for making incremental copies based on full Instant Snapshot copies.

Ability to register LP Instant Snapshots like DB2 FlashCopies

In previous releases, COPY PLUS registered Instant Snapshot copies in BMCXCOPY. Starting with this release, COPY PLUS registers LP Instant Snapshots in SYSCOPY to enable use by either RECOVER PLUS or the DB2 RECOVER utility.
**Instant Snapshots of DB2 catalog**

This release adds support for making Instant Snapshot copies of the DB2 catalog.

**COPY IMAGE COPY of LOBs from system backups**

This release adds support for making standard copies of LOB spaces from system backups.

**Use of real-time statistics to size objects and estimate changed pages**

This release uses DB2 real-time statistics to size objects to be copied and to estimate the number of changed pages.

**Replacement of NSCMAIN by the CONSISTENT YES option**

In previous releases, you had to execute the NSCMAIN program to make online consistent copies. Now, you can make online consistent copies by executing ACPMAIN with the CONSISTENT YES option. This release continues to support NSCMAIN, but BMC plans to deprecate NSCMAIN in the next release.

**New AUX ALL option**

In previous releases, AUX YES copied history tables and auxiliary spaces. This release uses the HISTORY option to copy history tables and adds AUX ALL to copy all of the auxiliary spaces.

**Support for persistent read only (PRO) and read-or-replication-only (RREPL) statuses**

This release adds support for PRO and RREPL statuses.
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:

■ BMC Documentation Center
■ BMC Cost Optimization Documentation Center

Documentation changes

This release includes the following documentation changes:

■ The name of the BMC Global Infrastructure Administration Guide has changed to BMC Infrastructure Components Administration Guide.

■ The name of the BMC Products and Solutions for DB2 Configuration Guide has changed to BMC Products and Solutions for DB2 Customization Guide.

■ 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.

■ Revision bars in the documentation denote differences from the previous edition.
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.

COPY 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 COPY PLUS uses version 2.4.10 of the Installation System.
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>ZACPB20</td>
<td>COPY PLUS for DB2</td>
<td>11.2.00</td>
</tr>
<tr>
<td>ZBMRI5E</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>ZDIG1A0</td>
<td>Dignus C runtimes and C++ objects</td>
<td>1.9.08</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 COPY 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, 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).

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.

**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.

**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.

© Copyright 2015 BMC Software, Inc.

BMC, BMC Software, and the BMC Software logo are the exclusive properties of BMC Software, Inc., are registered with the U.S. Patent and Trademark Office, and may be registered or pending registration in other countries. All other BMC trademarks, service marks, and logos may be registered or pending registration in the U.S. or in other countries. All other trademarks or registered trademarks are the property of their respective owners.

DB2, IBM, IMS, and zEnterprise are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both.

The information included in this documentation is the proprietary and confidential information of BMC Software, Inc., its affiliates, or licensors. Your use of this information is subject to the terms and conditions of the applicable End User License agreement for the product and to the proprietary and restricted rights notices included in the product documentation.

BMC SOFTWARE INC
2101 CITYWEST BLVD, HOUSTON TX 77042-2827, USA
Telephone 1 713 918 8800 (or 1 800 841 2031 United States and Canada)
Customer Support: 1 800 537 1813 (United States and Canada) or contact your local support center