BMC is releasing version 6.2.01 of the EXTENDED BUFFER MANAGER (XBM) product and its related SNAPSHOT UPGRADE FEATURE (SUF) technology.

**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:

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What's new

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

Support for IBM DB2 Version 12.x.xxx and its use of the 64-bit I/O interface to IBM Media Manager

This release adds support for DB2 Version 12.

This release supports:

- DB2 Version 12
- DB2 Version 11
- DB2 Version 10

XBM can now use the IBM Media Manager tool via the 64-bit I/O interface that is available if you are running Version 2.1 or later of the IBM z/OS system. This feature is needed to enable XBM to support IBM DB2 Version 12.x.xxx (that is, all function levels of DB2 Version 12). This does not affect your use of earlier versions of DB2; XBM continues to support these versions.

BMC Software made this feature available via PTF BPE0456 that accompanied a small program enhancement (SPE) in October 2016.

RECOVER PLUS for DB2 name change

Starting with this release, the name of the RECOVER PLUS for DB2 product has changed to the BMC Next Generation Technology Recover for DB2 for z/OS (or NGT Recover) product. Affected product panels and documentation use the new name.

COPY PLUS for DB2 name change

Starting with this release, the name of the COPY PLUS for DB2 product has changed to the BMC Next Generation Technology Copy for DB2 for z/OS (or NGT Copy) product. Affected product panels and documentation use the new name.
Installation System changes

Beginning with version 3.1.00 of the Installation System, new product releases necessitate a new Installation System FMID. Before installing any products, always ensure that you have the most recent version of the Installation System installed and that you have refreshed its runtime environment.

This change enables PTF maintenance for individual levels of the Installation System. The change also eliminates the requirement to provide the Installation Maintenance Value, which simplifies the installation process.

For more information, see the release notes for the most current version of the Installation System.

Installation, maintenance, and migration

You install EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE by using the Installation System.

Installing the Installation System or a product

The Installation System is installed and maintained by using SMP/E. Installing the Installation System creates the required SMP/E environment. Use the following procedures to install the Installation System or products.

Before you begin

If you need more information, see these sources:

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

■ For information about installation changes, see the Installation System release notes.

If you prefer physical installation media instead of downloaded images, request physical media from your BMC sales representative. Contact information is available on the BMC website.
To install the Installation System

1. Review the most recent Installation System release notes on any product page from the A-Z Supported Product List on Support Central.


3. Click Installation System.

4. Click the method you want to use to obtain the Installation System, and follow the provided procedures.

   **WARNING**
   
The Installation System must be installed into its own SMP/E zone. You should not install anything else into this zone.

To install a product

1. Ensure that you have the most recent version of the Installation System installed and that it has any required PTFs applied.

   To determine the most recent version number, see the most recent Installation System release notes on any product page from the A-Z Supported Product List on Support Central. To determine the version number of your current Installation System, see the title line on the Installation System Main Menu. Required PTFs are announced in technical bulletins.

2. Start the Installation System.

3. Follow the on-screen prompts.

   For more information, see the Installation System documentation.

Maintaining the Installation System or a product

Use the following procedures to maintain the Installation System or products.

   **Note**

   BMC provides fixes for EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE at the component level. To apply fixes for this solution, you must apply fixes for each component of the solution.
To maintain the Installation System

1. Perform one of the following actions:
   - If you have the most recent version of the Installation System installed, apply any required PTFs.
   - Install the most recent version of the Installation System, and apply any required PTFs.

   To determine the most recent version number, see the most recent Installation System release notes on any product page from the A-Z Supported Product List on Support Central. To determine the version number of your current Installation System, see the title line on the Installation System Main Menu. Required PTFs are announced in technical bulletins.

2. Refresh the Installation System runtime data sets by running the $205RTEC and $206RTEC jobs (in order).

3. Restart the Installation System.

To maintain a product

1. Check Support Central for product notices, such as technical bulletins about fixes and Recommended Service Level (RSL) availability.

2. Use BMC ISR (recommended) to obtain product PTFs and RSLs.

3. Run the $176APLF installation job to ensure that all required FMIDs are applied.

4. Apply the product maintenance to the product's SMP/E environment.
   For more information, see Installation System Reference Manual.

FMID and version information

EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE use version 3.1.00 (or more recent) of the Installation System.
**Note**

Always use the most recent version of the Installation System and ensure that it has any required PTFs applied.

To determine the most recent version number, see the most recent Installation System release notes on any product page from the A-Z Supported Product List on Support Central. To determine the version number of your current Installation System, see the title line on the Installation System Main Menu. Required PTFs are announced in technical bulletins.

Installation installs the following versions and SMP/E FMIDs:

<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++ V71</td>
<td>71</td>
</tr>
<tr>
<td>BBASC70</td>
<td>SAS_C V70B</td>
<td>70</td>
</tr>
<tr>
<td>ZBMR15E</td>
<td>ISR External Routines</td>
<td>15</td>
</tr>
<tr>
<td>ZBST100</td>
<td>BMC Support Tool</td>
<td>10</td>
</tr>
<tr>
<td>ZPWD330</td>
<td>BMC Password Security System</td>
<td>33</td>
</tr>
<tr>
<td>ZXBM620</td>
<td>Extended Buffer Manager</td>
<td>62</td>
</tr>
</tbody>
</table>

The preceding table contains the FMIDs for EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE 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:
  - Optimization products, common products, and common components
  - BMC products for IBM DB2
  - BMC products for IBM IMS
  - MainView products
  To access the reports on Support Central, take the following steps:


  2. Click Product codes and FMIDs.

  3. Click one of the listed reports.
Migration considerations

XBMI and its SNAPSHOT UPGRADE FEATURE tolerate interoperation between two consecutive releases (for example, 6.1 and 6.2.00 (or 6.2.01)) for migration purposes.

The following considerations apply to this toleration:

- When operating in a mixed environment, do not attempt to use features that have been added in the latest release. If XBM sends these requests to a subsystem that is using the previous release of XBM, XBM might abend.

- Do not operate long term in a mixed environment. BMC recommends that you migrate your entire environment as soon as you can.

- BMC provides limited support for interoperability problems.

For migration from XBM 6.1 to 6.2.00 or 6.2.01, complete the following steps:

1. Install PTF BPE0440 into the XBM 6.1 load library and restart the XBM 6.1 systems as soon as possible.
   After installing this PTF, if XBM 6.1 encounters a request for an XBM 6.2 feature, XBM fails gracefully instead of abending.

2. Ensure that all maintenance has been applied for both releases of XBM.

3. For each XBM in a sysplex group, complete the following steps:
   a. If active snapshots exist, bring XBM 6.2.00 or 6.2.01 into the XBM sysplex group on each system before you stop the XBM on that system.
   b. Start the updated XBM 6.2 system.
      Active snapshots will be synchronized with the new XBM version.
   c. Stop XBM 6.1 on that system.

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.

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