CATALOG MANAGER for DB2
Version 11.2.00
May 6, 2015

BMC is releasing version 11.2.00 of the CATALOG MANAGER for DB2 product.

CATALOG MANAGER is available as a stand-alone product and as a component of the following solutions:

- BMC Object Administration for DB2
- BMC Administrative Assistant for DB2
- Database Administration for DB2

Note
Before you begin installation, BMC recommends that you check the Support Central website at 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 and resolved problems.

The following topics are discussed:

What's new ......................................................................................................................... 2
DB2 Version 11 support ................................................................................................. 2
DB2 Version 10 support ................................................................................................. 3
End of support for DB2 Version 9 and specific DB2 modes ........................................ 3
DB2 Analytics Accelerator for z/OS support ................................................................. 3
Repeated SQL error ........................................................................................................ 4
Batch BIND execution ..................................................................................................... 4
DML activity recorded in the Session Log ..................................................................... 4
Special registers ............................................................................................................... 4
Improved search capabilities ......................................................................................... 5
New CATALOG MANAGER commands ..................................................................... 5
Deprecated commands ................................................................................................. 6
New CATALOG MANAGER installation options ......................................................... 6
Dropped support for indirect catalogs using views ....................................................... 6
What's new

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

For more information, view the Quick Course "CATALOG MANAGER for DB2 - What's new in 11.2"

In the BMC Documentation Center, you can access videos via BMC Quick Course Library in the Contents pane on the left.

DB2 Version 11 support

CATALOG MANAGER supports or tolerates various features of the IBM DB2 for z/OS subsystem.

CATALOG MANAGER now supports the following features of the IBM DB2 Version 11 system:

- Indexes that exclude NULL keys
- Autonomous procedure attribute for native stored procedures
- Ability to drop columns
- Support for archive-enabled tables
- Support for additional bind/rebind options
- Support for user-defined global variables
Support for using the automatic mapping table with IBM REORG

Support for the PCTFREE \( nn \) FOR UPDATE \( yy \) table space parameter

**DB2 Version 10 support**

CATALOG MANAGER now supports the scalar and table Stored Procedure Language (SPL) functions of DB2 Version 10.

**End of support for DB2 Version 9 and specific DB2 modes**

Starting with this release, CATALOG MANAGER does not support IBM DB2 Version 9.

Starting with this release, CATALOG MANAGER supports the following versions of DB2:

- DB2 Version 11
- DB2 Version 10 new-function mode (NFM) only

**DB2 Analytics Accelerator for z/OS support**

This release adds support for the IBM DB2 Analytics Accelerator for z/OS product.

From CATALOG MANAGER, you can now list accelerated tables, accelerator tables, and accelerated packages. From a list of tables, you can add a table to an accelerator.

From a list of accelerator tables, you can directly access commands that enable you to:

- Modify an existing accelerator table
- Move data from selected DB2 partitions to an accelerator
- Copy data to an accelerator table
- View the statistics of an accelerator table
- Remove the data and table definition from an accelerator table
- Restore data from an accelerator table to DB2
■ Enable or disable use of a table on the accelerator after it has been added and loaded

■ Enable or disable incremental updates for a table on the accelerator after it has been added and loaded

For more information, view the Quick Course "CATALOG MANAGER for DB2 - Support for DB2 Analytics Accelerator for z/OS."

**Repeated SQL error**

This release limits the number of SQL error messages that are displayed for a specific command to three. Previously an unlimited number of messages were displayed.

SQL error messages will still be displayed for any erroneous commands that follow.

**Batch BIND execution**

This release lets you execute BIND, REBIND, or FREE commands in a batch job stream to generate the commands in batch. The command lets you specify wildcards in the name patterns for the objects to bind, rebind, or free.

You enter the commands into the batch job stream in the same way that you would type list commands into the batch job. For example, `BIND PG ACT112_D_MAIN.*` generates BIND PACKAGE commands for all packages in collection ACT112_D_MAIN.

The product writes the generated commands to the output data set, where you can save or execute them in a separate job step.

**DML activity recorded in the Session Log**

This release now records the execution of DML statements (DELETE, INSERT, SELECT, and DELETE) in the Session Log.

**Special registers**

This release supports the following additional special registers:
• CURRENT APPLICATION COMPATIBILITY
• CURRENT EXPLAIN MODE
• CURRENT GET_ACCEL_ARCHIVE
• CURRENT QUERY ACCELERATION
• CURRENT TIMESTAMP
• SESSION TIME ZONE
• CURRENT TEMPORAL SYSTEM TIME
• CURRENT TEMPORAL BUSINESS TIME

On the COMMAND line, enter SEE to display the special registers.

Improved search capabilities

This release supports search using object names that are longer than 18 bytes, and you can now execute a WHERE clause of up to 2 MB.

For more information, view the Quick Course "CATALOG MANAGER for DB2 - New and improved Search support."

New CATALOG MANAGER commands

CATALOG MANAGER now includes the following new commands:

<table>
<thead>
<tr>
<th>New command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IXC</td>
<td>Lists the time windows that specify index cleanup processing from the SYSIBM.SYSINDEXCLEANUP table</td>
</tr>
<tr>
<td>VAR</td>
<td>Lists global system variables</td>
</tr>
<tr>
<td>ACC</td>
<td>Lists all accelerators defined on the system</td>
</tr>
<tr>
<td>ACCPG</td>
<td>Lists all accelerated packages</td>
</tr>
<tr>
<td>ACCTB</td>
<td>Lists all accelerated tables defined on an accelerator</td>
</tr>
<tr>
<td>ACCEL</td>
<td>Adds a table to an accelerator, displays and controls accelerator settings, and displays and controls tables defined on an accelerator</td>
</tr>
</tbody>
</table>
Deprecated commands

As documented in the 11.1 release notes dated April 3, 2014, BMC has deprecated the HDESC and HPRINT commands for CATALOG MANAGER.

New CATALOG MANAGER installation options

This release includes new CATALOG MANAGER installation options, which are also known as default options, or DOPTs.

<table>
<thead>
<tr>
<th>Installation option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAR= DYNAMIC</td>
<td>Defines whether CATALOG MANAGER uses dynamic SQL to access the SYSIBM.SYSVARIABLES catalog table. A user ID must have SELECT authority on the table to execute SQL on the table. DYNAMIC is the only valid value for this option.</td>
</tr>
<tr>
<td>VARAUTH= DYNAMIC</td>
<td>Defines whether CATALOG MANAGER uses dynamic SQL to access the SYSIBM.SYSVARIABLEAUTH catalog table. A user ID must have SELECT authority on the table to execute SQL on the table. DYNAMIC is the only valid value for this option.</td>
</tr>
</tbody>
</table>

Dropped support for indirect catalogs using views

Starting with this release, you can create an indirect catalog only by using a copy of a table. You can no longer use views to create indirect catalogs.

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](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.

CATALOG MANAGER 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.

Migration considerations

When you migrate, consider the following items:

- When you migrate to DB2 Version 10 or 11, and either of the following sets of conditions exists, DB2 cannot run DDL that CATALOG MANAGER generates:
  
  — After migrating a DB2 Version 8 or 9 NFM subsystem to DB2 Version 10 NFM, you create an object that is associated with a Version 10 feature (for example, a temporal table). Then, you fall back to Version 10 CM8*, ENFM8*, CM9*, or ENFM9*.
  
  — After migrating a DB2 Version 8 NFM subsystem to DB2 Version 10 NFM, you create an object that is associated with a Version 9 feature. Then, you fall back to Version 10 CM8* or ENFM8.

Because a DB2 Version 10 NFM catalog now exists on the subsystem to which you fell back, that subsystem considers the newly created object to be valid. CATALOG MANAGER generates valid DDL for the object as it exists in the
Version 10 NFM catalog; however, CATALOG MANAGER will not be able to recover the object or to include it in the Drop Recovery Log if dropped. ALTER or CHANGE MANAGER issues an error message upon encountering the new object.

- When you migrate a DB2 Version 9 NFM subsystem to a DB2 Version 10 NFM subsystem, BMC recommends issuing the REBIND command and specifying EXPLAIN YES on all packages.

**FMID and version information**

This release of CATALOG MANAGER 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++ V71</td>
<td>7.1</td>
</tr>
<tr>
<td>BBASC70</td>
<td>SAS_C V70B</td>
<td>7.0</td>
</tr>
<tr>
<td>ZACSB20</td>
<td>Common SQL (ACS)</td>
<td>11.2</td>
</tr>
<tr>
<td>ZACTB20</td>
<td>CATALOG MANAGER</td>
<td>11.2</td>
</tr>
<tr>
<td>ZAEXB20</td>
<td>Execution <em>for DB2</em></td>
<td>11.2</td>
</tr>
<tr>
<td>ZAIN031</td>
<td>Install Execution Code</td>
<td>3.1</td>
</tr>
<tr>
<td>ZASHB20</td>
<td>Common Admin Code</td>
<td>11.2</td>
</tr>
<tr>
<td>ZBMRI5E</td>
<td>ISR External Routines</td>
<td>1.5</td>
</tr>
<tr>
<td>ZBST100</td>
<td>BMC Support Tool</td>
<td>1.0</td>
</tr>
<tr>
<td>ZDIG190</td>
<td>Dignus C runtimes and C++ objects</td>
<td>1.9</td>
</tr>
<tr>
<td>ZMRE110</td>
<td>Rules Engine &quot;C&quot; code</td>
<td>1.1</td>
</tr>
<tr>
<td>ZPSSB20</td>
<td>SQL Performance</td>
<td>11.2</td>
</tr>
<tr>
<td>ZPWD330</td>
<td>BMC Password Security System</td>
<td>3.3</td>
</tr>
<tr>
<td>ZSCCB10</td>
<td>DB2 Solution Common Code (SCC)</td>
<td>11.1</td>
</tr>
<tr>
<td>ZZIO180</td>
<td>DB2 Option Carryover</td>
<td>1.8</td>
</tr>
</tbody>
</table>
The preceding table contains the FMIDs for CATALOG MANAGER 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.
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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