BMC originally issued these release notes on June 25, 2013. They are being reissued to reflect new support for the IBM® DB2® Version 11 system. Revision bars denote differences from the previous edition.

BMC Software is releasing version 11.1.00 of the BMC CATALOG MANAGER for DB2® product. CATALOG MANAGER is a component of the BMC Administrative Assistant for DB2 and BMC Database Administration for DB2 solutions.

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 (PAC) data

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

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What’s new

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

DB2 support

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

DB2 Version 11

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
- Ability to define a public alias for a sequence object
- Support for archive-enabled tables
- New bind/rebind options
- Support for user-defined global variables
**DB2 Version 10**

CATALOG MANAGER supports the following features of DB2 Version 10:

- DB2 security to provide more granular control over access to DB2 catalog data and user data through the use of DSNZPARMs
- Using a SET SCHEMA statement to set the creator when you are creating an unqualified alias, table, index, or view with a one-part name
- Options for the following utilities to support the creation of flashcopies (point-in-time copies of a volume) with the IBM FlashCopy® feature:
  - COPY
  - LOAD
  - REBUILD INDEX
  - REORG INDEX
  - REORG TABLESPACE
- DB2 Version 10 syntax in all IBM utilities and BMC utilities

**Earlier versions of DB2**

For earlier versions of DB2, CATALOG MANAGER also supports the following features:

- Using 128-byte object names in the DESCRIBE command for the following objects:
  - Aliases
  - Indexes
  - Storage groups
  - Stored procedures
  - Synonyms
- Using 128-byte object names in the DB2 START, STOP, and DISPLAY action commands
- Casting BINARY, VARBINARY, DECIMAL, and TIMESTAMP WITH TIMEZONE values to a readable data type in the SELECT statement
- Displaying the key columns or the key-targets of extended indexes as appropriate for the index key columns in the Index Mixed List

**End of support for DB2 8, DB2 9 CM, and DB2 10 CM8**

Starting with this release, CATALOG MANAGER does not support IBM DB2 Version 8. Earlier releases will continue to support Version 8.
Future releases of CATALOG MANAGER will not support the following modes:

- DB2 Version 9 CM
- DB2 Version 10 CM8

**Options data set**

When you first invoke CATALOG MANAGER, you are prompted to create a data set in which to store the settings for your user options. If the data set is archived, you might have to wait for the data set to be restored before you can use the product. You now have the option to use the defaults that CATALOG MANAGER provides. By using the defaults, you no longer have to wait for an archived data set to be restored. However, if you use the defaults, any option that you set will not be saved. (To save your options, you must specify a data set.)

**Commands**

CATALOG MANAGER includes the following new commands:

<table>
<thead>
<tr>
<th>New command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYNC</td>
<td>Lists the columns from the BMCSYNC table for the BMC utilities. SYNC is valid only from a BMCUTIL list or from rows for BMC utilities in a STATUS list.</td>
</tr>
<tr>
<td>TN</td>
<td>Lists the rows from SYSIBM.SYSTABLES. The command does not use a TBCREATOR.TBNAME qualifier for all values of TYPE. Instead, the command displays multiple types of CATALOG MANAGER objects in a single list.</td>
</tr>
<tr>
<td>XC</td>
<td>Lists copies from the BMXCOPY table and the cabinet copies for the BMC COPY PLUS for DB2 product</td>
</tr>
<tr>
<td>XSR</td>
<td>Displays a mixed list of the rows from SYSIBM.XSROBJECTS and the related XML schema repository (XSR) catalog tables. XSR is a set of DB2 tables in which you can store XML schemas (sets of XML schema documents).</td>
</tr>
<tr>
<td>XX and Xmn</td>
<td>Excludes a block or range of objects from a list</td>
</tr>
</tbody>
</table>

The following commands include additional functionality:

<table>
<thead>
<tr>
<th>Command</th>
<th>Now you can</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINDDEPLOY</td>
<td>Use BINDDEPLOY on a list of native SQL stored procedures</td>
</tr>
<tr>
<td>BMCUHIST</td>
<td>Use BMCUHIST as a list command</td>
</tr>
<tr>
<td>BMCUTIL, DISUTIL, and STATUS</td>
<td>Include the userID.utilityID qualifier to limit the amount of information the commands provide</td>
</tr>
</tbody>
</table>
Planned deprecation of the HDESC and HPRINT commands

In the next release of CATALOG MANAGER, BMC plans to deprecate the HDESC and HPRINT commands.

Interface for DB2 commands

When you create a DB2 command, CATALOG MANAGER now provides a user-friendly interface with predefined input fields. These input fields correspond to the command’s keywords. The interface also provides an optional field in which you can specify additional keywords for the command.

<table>
<thead>
<tr>
<th>Command</th>
<th>Now you can</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASCADE</td>
<td>Execute CASCADE in batch mode</td>
</tr>
<tr>
<td>DESCRIBE</td>
<td>Use DESCRIBE on all access types, obtain information about multiple versions of a stored procedure, and display the history table</td>
</tr>
<tr>
<td>DISPLAY</td>
<td>Use DISPLAY on a list of buffer pools</td>
</tr>
<tr>
<td>DISPLAY DB, DISPLAY TS, and DISPLAY IS</td>
<td>Include the ADVISORY (ADV) option to display indexes and table spaces for which DB2 allows read-write access and recommends an action</td>
</tr>
<tr>
<td>DP (dependencies)</td>
<td>Use DP on plans, packages, and DBRMs to display rows from the appropriate DB2 catalog table</td>
</tr>
<tr>
<td>PACKIT</td>
<td>Include the name of a collection ID</td>
</tr>
<tr>
<td>RENAME</td>
<td>Use RENAME on a list of auxiliary and base tables</td>
</tr>
<tr>
<td>REVOKE</td>
<td>For DB2 Version 10 and later, use the following clauses for the REVOKE DEPENDENT PRIVILEGES parameter:</td>
</tr>
<tr>
<td></td>
<td>■ NOT INCLUDING DEPENDENT PRIVILEGES clause, which allows you to revoke a privilege or authority from a user, while retaining all grants that the user has made</td>
</tr>
<tr>
<td></td>
<td>When this clause is included in the REVOKE command and you issue the CASCADE command and you issue the CASCADE command generates a message that states that dependent privileges will not cascade.</td>
</tr>
<tr>
<td></td>
<td>■ INCLUDING DEPENDENT PRIVILEGES clause, which allows you to revoke a privilege or authority from a user, while removing all privileges or authorities that the privilege or authority granted</td>
</tr>
<tr>
<td>RI</td>
<td>Specify a three-part qualifier name</td>
</tr>
<tr>
<td>TSS</td>
<td>Use TSS on a table list to display a list of table space statistics</td>
</tr>
<tr>
<td>UA (user authorizations)</td>
<td>Use UA on sequences</td>
</tr>
</tbody>
</table>

Planned deprecation of the HDESC and HPRINT commands

In the next release of CATALOG MANAGER, BMC plans to deprecate the HDESC and HPRINT commands.
Also, you can now save your customized syntax values for a DB2 command in a DB2 command profile. If you use the PROFILE command to save your syntax to the profile, CATALOG MANAGER stores the profile ID, the DB2 command keywords, and the keyword values in a utility profile. Using the profile can save time and limit errors: you no longer need to specify syntax every time you execute the command.

Interface for DSN commands

When you issue the DSN BIND, REBIND, or FREE command for a package or a plan, CATALOG MANAGER now displays your specifications and options on multiple panels. The panels provide the same functionality as they did in earlier releases of the product.

User commands table

A new user commands table in HLQ.CNTL(ACTCOMNU) contains commands for invoking the IBM DB2 data editor. You can add new commands to this table. This user commands table overrides the primary commands table, ACTCOMND.

Referenced VARCHAR columns in data editing function

In earlier releases, the data editing function did not enable you to reference VARCHAR columns that were greater than 254 bytes in the WHERE clause of the SELECT statement. For DB2 Version 9 and later, you can now reference those columns.

Referential constraint enforcement

The Foreign Key List and the Referential Integrity List panels now include a field to indicate whether the referential constraint is enforced.

Ability to limit retrieved rows for a SELECT statement

The data browsing function now adds a FETCH FIRST \( n \) ROWS ONLY clause to the SELECT statement to retrieve the specified number of rows. As a result, DB2 calculates the cost of the SELECT statement based on the user-specified number of rows and retrieves no more than that number of rows. This clause enables you to
Additional information in cascade reports

The following report panels now indicate the IDs of the current Installation System administrators and note whether the ID being revoked was previously an Installation System administrator:

- Cascade Report panel
- Confirm SQL for Revoke Reassign Grants panel
- Cascade list report for revoke/reassign panel

Ability to switch catalog access

The system administrator can set up CATALOG MANAGER to access either a real (direct) or indirect DB2 catalog at startup. In this release, you can enter `SET QUALIFIER synonymQualifier` on the Command line to switch from one access method to the other. (In earlier releases, you had to use the CONNECT command to switch the catalog access method.)

The indirect method reduces contention for the DB2 catalog and improves performance by letting you access the catalog indirectly through copies or views. Catalog indirection can also improve security by restricting access to specified columns within the catalog tables. The indirect access method is available to CATALOG MANAGER and other BMC Administrative products.

Worklist execution

In earlier releases of CATALOG MANAGER, you could execute a worklist via plans provided with the BMC ALTER for DB2, BMC CHANGE MANAGER for DB2, or BMC DASD MANAGER PLUS for DB2 products when the following conditions existed:

- ALTER, CHANGE MANAGER, or DASD MANAGER PLUS was installed.
- The CATALOG MANAGER AOPTS or BOPTS installation option specified the installation options module name for ALTER, CHANGE MANAGER, or DASD MANAGER PLUS.
With this release, CATALOG MANAGER uses the ACTvrDM plan to execute a worklist. The plan name is now generated in the Execution JCL. You no longer need to have ALTER, CHANGE MANAGER, or DASD MANAGER PLUS installed, or to specify the AOPTS or BOPTS option.

**DSNTIAD plan name**

The JCL Generation component now lets you specify the name of the DB2 plan that will run the IBM DSNTIAD program. You can specify the name in either of the following locations:

- JCL Generation Debugging, Display and Execution Options panel
- DSNTIAD_PLAN keyword in the product options file (POF)

**JCL members before job steps**

The JCL Generation component now lets you include a JCL member before each job step in JCL. You can specify the name of the member in either of the following locations:

- JCL Generation Debugging, Display and Execution Options panel
- PRE_JOBSTEP_INCLUDE keyword in the POF

**SYSPRIN2 output data set**

The JCL Generation component offers a new SYSPRIN2 data set for viewing a BMC utility's SYSPRINT output while the utility is running or when the utility's execution is canceled. You can use either of the following locations to include the SYSPRIN2 DD in the JCL:

- JCL Generation Static Data Set Options panel
- INCLUDE_SYSPRIN2 keyword in the POF
Suppressed DD names

The JCL Generation component offers the following POF keywords to suppress adding DD names to prefixes for the unload (SYSREC) data sets:

- UNLD_FREF_SUPPR_SUFF
- UNLD1_SUPPRESS_SUFF
- UNLD2_SUPPRESS_SUFF
- UNLD3_SUPPRESS_SUFF
- UNLD4_SUPPRESS_SUFF

Omitted unit names for data sets

Your shop standards might require that you omit the UNIT parameter from your JCL. The JCL Generation component now lets you omit the parameter by specifying a value of NONE for the unit name.

New command for resetting POF variables

You can now enter one of the following commands on the Command line of the product to easily reset all of the ISPF variables in the ISPF profile with the variables in the POF:

- To reset the variables in the initial POF, enter TSO POFRESET.
- To reset the variables in a specified initial or user POF, enter TSO POFRESET POF(dataSetName(POFMember)).

To enable these commands, you must modify the POFRESET CLIST. The CLIST is located in the HLQ.DBCLIB library.

Documentation changes

This release includes the following documentation changes:

- All messages are now available in the BMC Documentation Center, which is accessible from the BMC Support Central site (http://www.bmc.com/support). A separate messages manual is no longer available.
Installation and configuration information is now located in the following books:

- Installation System User Guide
- BMC Products and Solutions for DB2 Configuration Guide

The installation options and POF keywords are now documented in the CATALOG MANAGER for DB2 User Guide.

The Catalog Help facility now reflects accurate information for the current and previous release of DB2, based on the current DB2 documentation.

Revision bars in the documentation denote differences from earlier editions. To view the documentation, see the Support Central website at http://www.bmc.com/support.

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### Installation

Download the latest version of CATALOG MANAGER by using the Electronic Product Distribution (EPD) facility. You can navigate to the EPD page from the Support Central website at http://www.bmc.com/support.

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**NOTE**

To request physical shipments, contact your BMC sales representative. Contact information is available on the BMC website.

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CATALOG MANAGER is installed by using the BMC Installation System. This section contains installation information that supplements or supersedes the information in the Installation System User Guide.

### Requirements

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

### Installation changes

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

Consider the following items when you migrate from an earlier version of DB2 to DB2 Version 10:

- When 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.

- 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.

Known installation issue

If both of the following conditions exist at your site, contact BMC Customer Support before attempting to use the Installation System to customize your BMC products:

- Your subsystem is using DB2 Version 10.
- The DSNZPARM SEPARATE_SECURITY subsystem parameter is set to YES.
This release of CATALOG MANAGER uses version 2.3.60 or later of the Installation System and installation media.

NOTE
If you have a later version of the Installation System or the installation media, 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>Component</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASAR71C</td>
<td>SAS_C and SAS_C++ V71</td>
<td>7.1.00</td>
</tr>
<tr>
<td>BBAPW32</td>
<td>BMC Password Security System</td>
<td>3.2.00</td>
</tr>
<tr>
<td>BBASC70</td>
<td>SAS_C V70B</td>
<td>7.0.00</td>
</tr>
<tr>
<td>ZACSB10</td>
<td>Common SQL (ACS)</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZACTB10</td>
<td>CATALOG MANAGER</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZAEXB10</td>
<td>Execution for DB2</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZAIN031</td>
<td>Install Execution Code</td>
<td>3.1.00</td>
</tr>
<tr>
<td>ZASHB10</td>
<td>Common Admin Code</td>
<td>11.1.00</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>1.9.01</td>
</tr>
<tr>
<td>ZMRE110</td>
<td>Rules Engine “C” code</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZPSSB10</td>
<td>SQL Explorer</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZSCCB10</td>
<td>DB2 Common Code</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZZIO160</td>
<td>DB2 Option Carryover</td>
<td>1.6.00</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 $B76APLF JCL member.

To search the file, search on the word FORFMID.
View one of the following reports:

- `bxx_ozi_tape_product_list.txt` lists products and components for the B-series installation (shared and infrastructure products).
- `cxx_ozi_tape_product_list.txt` lists products and components for the C-series installation (DB2 products).
- `ixx_ozi_tape_product_list.txt` lists products and components for the I-series installation (IBM IMS™ products).
- `mxx_ozi_tape_product_list.txt` lists products and components for the M-series installation (MainView products).

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

2. Click **Electronic Downloads**.
3. Click **readme**.
4. In the “Before you begin” section, click a product media listing.

**Maintenance**

After you install CATALOG MANAGER, you can download any additional SMP/E maintenance by using either BMC Internet Service Retrieval (ISR) or eFix PTF Distribution Services (http://apps.bmc.com/support/efix.cgi). BMC ISR is available for all products that you install via the Installation System. For more information, see the *Installation System User Guide*.

**NOTE**

Before applying maintenance, ensure that you have completed the $B76APLF 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 (https://webapps.bmc.com/infocenter/index.jsp) to browse documentation sets
- View BMC Quick Course Demos (short overviews of selected product concepts, tasks, or features), which are included in the BMC Documentation Center
- View individual product documents (books and notices) within the “A – Z Supported Product List”

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.