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

BMC Software is releasing version 11.1.00 of the SQL Explorer for DB2 product.

SQL Explorer for DB2 is a component of the SQL Performance for DB2 solution.

**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 (PAC) data

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

What’s new ................................................................. 2
DB2 Version 11 support .............................................. 2
End of support for DB2 Version 8 .................................. 2
Common Explain enhancements .................................. 2
Migrating access path statistics from a remote DB2 ........ 3
Installation ............................................................... 3
Requirements .......................................................... 4
Installation changes .................................................... 4
FMID and version information ..................................... 4
Maintenance ............................................................ 6
Support status .......................................................... 6
Product documentation .............................................. 6
Customer support ..................................................... 7
What’s new

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

For a short demo describing what’s new in this release, see https://webapps.bmc.com/infocenter/index.jsp. In the BMC Documentation Center, you can access the demo library via BMC Demo Library in the Contents pane on the left.

DB2 Version 11 support

With PTF BPU6184 applied, SQL Explorer now supports the IBM DB2 Version 11 system.

End of support for DB2 Version 8

Starting with this release, SQL Explorer does not support IBM DB2 Version 8. Earlier releases will continue to support Version 8.

Common Explain enhancements

Explain package

SQL Explorer for DB2 now includes an Explain package feature. An Explain package reports on the current access path for a static SQL statement even if a BIND with EXPLAIN(YES) was not previously performed. The Explain package retrieves all other static binds for comparison.

Expert rules

The following new features have been added to Expert rules:

New rules REXX exec

Common Explain users can now define their own expert rule variables. Common Explain now calls a REXX exec (capable of adding new facts to the rules engine knowledge base) before firing rules.
Changes to available variables for expert rules

SQL Explorer for DB2 has an updated list of available variables for expert rules. The following variables and descriptions have been added or updated:

<table>
<thead>
<tr>
<th>Variable name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLID</td>
<td>Column from the SYSIBM.SYSPACKAGE table</td>
</tr>
<tr>
<td>DBRM</td>
<td>Column from the SYSIBM.SYSDBRM table</td>
</tr>
<tr>
<td>HIGH2KEY</td>
<td>Column from the SYSIBM.SYSCOLUMNS table</td>
</tr>
<tr>
<td>IXCOLCNT</td>
<td>The number of index keys from the SYSIBM.SYSKEYS table The number of key columns in the index</td>
</tr>
<tr>
<td>IXMATCOLS</td>
<td>A string that contains the names of the matching index keys from the SYSIBM.SYSKEYS table the names of the matching key columns</td>
</tr>
<tr>
<td>IXSCANPAGES</td>
<td>The sum of columns NLEAF and NLEVELS from SYSIBM.SYSINDEXES minus 1 The number of index pages scanned</td>
</tr>
<tr>
<td>LOW2KEY</td>
<td>column from the SYSIBM.SYSCOLUMNS table</td>
</tr>
<tr>
<td>MATCHCOLS</td>
<td>Column from the PLAN_TABLE table The number of matching key columns</td>
</tr>
<tr>
<td>NAME</td>
<td>Column from the SYSIBM.SYSPACKAGE or the SYSIBM.SYSPLAN tables</td>
</tr>
<tr>
<td>NLEAF</td>
<td>Column from the SYSIBM.SYSINDEXES table The number of leaf pages in the index</td>
</tr>
<tr>
<td>NLEAFNC</td>
<td>The string equivalent of NLEAF</td>
</tr>
<tr>
<td>OBJECT</td>
<td>Contains the type of object that supplied the variables for the current invocation of the rules engine OBJECT = “PLAN”, “PACKAGE”, “STMT”, “EXPLAIN”, “SQLTEXT”, “TABLE”</td>
</tr>
<tr>
<td>VERSION</td>
<td>Column from the SYSIBM.SYSPACKAGE table</td>
</tr>
</tbody>
</table>

Migrating access path statistics from a remote DB2

The Migrate Access Path Statistics feature now enables you to migrate access path statistics from one DB2 subsystem to another subsystem from a remote LPAR. You can specify the subsystems (SSID) and distributed data facility (DDF) locations for the migrate operation.

Installation

Known installation issues

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.

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.

FMID and version information

This release of SQL Explorer for DB2 uses the following versions of the Installation System and installation media:

- Version 2.3.53 or later of the Installation System
- Version 2.3.53 or later of the 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>Product</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBAPW32</td>
<td>BMC Password Security System</td>
<td>3.2.00</td>
</tr>
<tr>
<td>ZPSSB10</td>
<td>Common Explain (PSS)</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZSCCB10</td>
<td>DB2 Solution Common Code (SCC)</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZDIG190</td>
<td>Dignus C runtimes and C++ objects</td>
<td>1.9.00</td>
</tr>
<tr>
<td>ZAIN031</td>
<td>Install Execution Code (AIN)</td>
<td>3.1.00</td>
</tr>
<tr>
<td>ZBMR15E</td>
<td>ISR External Routines</td>
<td>1.5.00</td>
</tr>
<tr>
<td>ZMRE110</td>
<td>Rules Engine</td>
<td>1.1.00</td>
</tr>
<tr>
<td>ASAR71C</td>
<td>SAS/C Resident Library</td>
<td>10.1.00</td>
</tr>
<tr>
<td>ZPSEB10</td>
<td>SQL Explorer for DB2</td>
<td>11.1.00</td>
</tr>
</tbody>
</table>

The preceding table contains the FMIDs for SQL Explorer 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 (BMC products for IBM DB2).
  
  — *ixx_ozi_tape_product_list.txt* lists products and components for the I-series installation (BMC products for IBM IMS®).
  
  — *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 SQL Explorer for DB2, 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 by using 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.

© Copyright 2014 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, OS/390, and z/OS 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 • 713 918 8800
Customer Support: 800 537 1813 (United States and Canada) or contact your local support center