BMC Software is releasing version 10.1.00 of the Log Master for DB2® product. Log Master is a component of the Recovery Management for DB2 solution from BMC.

NOTE
Before you begin installation, BMC recommends that you check the Customer Support 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 Version 10 support

Log Master supports the following DB2 Version 10 features:

- new active log data sets command
- auto-compression (compress on INSERT)
- catalog changes and restructuring

The following new keywords and interface options support this feature: MASK and PERMISSION.

- DEFINE NO LOB and XML spaces
- new DBA privileges

The section about DB2 authority in the Log Master for DB2 Reference Manual now includes DBADM.

- hash access

Log Master supports the use of the hash index as a primary key or a unique key index.

- IBM® FlashCopy® image copies
- INDEX INCLUDE columns

Log Master supports adding non-indexed columns to a unique index. The products use INCLUDE columns for analysis, but only unique key columns when generating SQL.

- inline LOBs
skip-level migration

Log Master supports migrating to DB2 Version 10 from DB2 Version 8, which introduces several new migration modes:

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM8</td>
<td>conversion mode from DB2 Version 8</td>
</tr>
<tr>
<td>CM8*</td>
<td>conversion mode* from DB2 Version 8</td>
</tr>
<tr>
<td>CM9</td>
<td>conversion mode from DB2 Version 9</td>
</tr>
<tr>
<td>CM9*</td>
<td>conversion mode* from DB2 Version 9</td>
</tr>
<tr>
<td>ENFM8a</td>
<td>enabling-new-function mode from DB2 Version 8</td>
</tr>
<tr>
<td>ENFM8*</td>
<td>enabling-new-function mode* from DB2 Version 8</td>
</tr>
<tr>
<td>ENFM9a</td>
<td>enabling-new-function mode from DB2 Version 9</td>
</tr>
<tr>
<td>ENFM9*</td>
<td>enabling-new-function mode* from DB2 Version 9</td>
</tr>
<tr>
<td>NFM</td>
<td>new-function mode</td>
</tr>
</tbody>
</table>

Before using BMC products in this mode, you must run the IBM job DSNTIJEN to successful completion. DSNTIJEN converts DB2 to enabling-new-function mode from DB2 Version 8 or 9.1. Successful completion of DSNTIJEN completes catalog migration. BMC does not support DB2 catalogs that are not completely migrated.

greater timestamp precision (extends microseconds to 12 places, but 6 remains the default)

TIMESTAMP WITH TIME ZONE data type

Extended Address Volumes (EAVs)

last/currently committed data

Log Master supports logging changes that are associated with this feature.

temporal tables

— The following new keywords and interface options support this feature: INCLUDE HISTORY, IGNOREFIELDS, PERIODOVERRIDE.

— New record types in the following Repository tables support this feature: Data change record (LLDF) and Old objects table (ALPOLDO).

Similar to the behavior of DB2, the Log Master Repository does not maintain the versioning relationship between a system-maintained table and its associated history table. Therefore, for overtime processing, your filter must include both the base table and the history table.

segmented MEMBER CLUSTER for universal table spaces (UTSs)

online reorganization changes
Log Master provides enhanced LOB completion processing, which provides the following benefits:

- Log Master can generate SQL with LOB column data for delete actions and update actions.
- Log Master automatically includes LOB catalog objects in MIGRATE and UNDO DDL, automated drop recovery, logical logs with INCLUDE DDL, and combined SQL output.
- Log Master provides undo detail for objects that are specified with the LOGGED parameter.
- Log Master ensures full DDL generation of objects with DDL text that is stored in DB2 catalog LOB columns. These objects include views, triggers, native stored procedures, materialized query tables (MQT), pending DDL, and SQL functions.

Because of the DB2 catalog changes that require LOB processing to accommodate DDL for which text strings were moved to LOB columns, you must specify a value for the following installation options when you generate DDL in DB2 Version 10 new-function mode, or use Log Master to process LOB column data in any version of DB2:

— LOBDATA
— LOBSTOR
— LOBVOLS

If you specify a value for LOBVOLS, do not specify a value for LOBSTOR or LOBDATA.
**XBM zIIP redirection support**

Log Master provides the option to offload eligible processing to an IBM System z® Integrated Information Processor (zIIP). To enable and use zIIP processing, you must have an installed and authorized version of the EXTENDED BUFFER MANAGER (XBM) product or the SNAPSHOT UPGRADE FEATURE (SUF) technology.

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**NOTE**

Note the following XBM or SUF requirements:

- The minimum version of XBM or SUF is 5.6.00 with PTF BPE0313.
- To enable DB2 Version 10 support, XBM and SUF require PTF BPE0311.

The ZIIP command on the OPTIONS statement and the ZIIP installation option enable this functionality.

For more information about the XBM component that enables the use of zIIPS, see the *EXTENDED BUFFER MANAGER and SNAPSHOT UPGRADE FEATURE User Guide*.

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**Report enhancements**

Log Master provides the following enhancements to reports:

- A report template support is available for the Drop Recovery report.
- The Catalog Activity report indicates DDL pending changes.
- Reports now display URID ELAPSED TIME, where applicable.

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**Automated drop recovery enhancements**

Log Master provides the following enhancements to automated drop recovery:

- A report template for the Drop Recovery report.
- An optional step in the generated JCL runs the RUNSTATS utility for recovered objects.
Other enhancements and changes

This release includes the following additional enhancements and changes:

- You can direct all types of output to the dd name that you specify (in addition to a file or SYSOUT).
- Log Master output SQL no longer includes DELETE statements that are logged by a utility. This change eliminates failed DELETE attempts or erroneous DELETEs when duplicate rows exist. For more information, see the section about special considerations for output files and SQL in the Log Master for DB2 Reference Manual.

Installation


**NOTE**

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

Log Master is installed by using the BMC Installation System. This section contains installation information that supplements or supersedes the information in the installation guide.

Known installation issues

This section describes issues that remain open in this release.

**DB2 Version 10 security parameter**

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.
**DB2 Product Configuration component**

The name of the BMC Product Management (BPM) component is changing to the DB2 Product Configuration component (FMID ZLGCxx). Documentation for the April 2011 release reflects the name change. A future release of the Installation System will replace BPM with DB2 Product Configuration in the installation panels and associated Help.

**FMIDSETs**

For products that contain the ZDIG190 FMID as part of an FMIDSET, attempting to run an apply check job ($B75APCF or $B80APCP) or an apply job ($B76APLF or $B81APLP) might result in the following errors:

GIM24801S ** NO SYSMODS SATISFIED THE OPERANDS SPECIFIED ON THE APPLY COMMAND.**

GIM20501I APPLY PROCESSING IS COMPLETE. THE HIGHEST RETURN CODE WAS 12.

To address this issue, take the appropriate action as follows:

- **If you have not yet generated the installation ($B) jobs,** ensure that the **Create FMIDSETs** field on the Data Set Options panel is set to **No** (the default) before proceeding.

- **If you have already generated the installation jobs and received the specified error,** run the #D9 jobs to delete the data sets, and regenerate the JCL by using FMIDs instead of FMIDSETs.

BMC plans to correct this issue in the next release of the Installation System.

**Installation changes**

Version 2.3.10 of the Installation System contains the following enhancements:

- The Product Customization menus accommodate new features, such as the DB2 Product Configuration technology, the DB2 Component Services (DBC), and the Next Generation Logger (NGL). Some MainView products and the System and SQL Performance products use this technology.

- You can use a new feature, BMC Internet Service Retrieval (ISR). BMC ISR identifies and applies fixes to all products that you install via the Installation System. For more information, see Chapter 7, “Applying maintenance,” in the installation guide.
Version and FMID information

This release of Log Master uses the following versions of the Installation System and installation media:

- version 2.3.10 or later of the Installation System
- version 2.3.10 or later of the C-series 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>Product or component</th>
<th>Version</th>
<th>FMID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Master for DB2</td>
<td>10.1.00</td>
<td>ZALPA10</td>
</tr>
<tr>
<td>High-speed Apply Engine</td>
<td>10.1.00</td>
<td>ZAPTA10</td>
</tr>
<tr>
<td>BMCSORT</td>
<td>2.3.01</td>
<td>ZAUP231</td>
</tr>
<tr>
<td>BMC Password Security System</td>
<td>3.2.00</td>
<td>BBAPW32</td>
</tr>
<tr>
<td>DB2 Solution Common Code (SCC)</td>
<td>10.1.00</td>
<td>ZSCCA10</td>
</tr>
<tr>
<td>Dignus C runtimes and C++ objects</td>
<td>1.9.01</td>
<td>ZDIGI90</td>
</tr>
<tr>
<td></td>
<td>1.9.00</td>
<td>ZDIG018</td>
</tr>
<tr>
<td>Install Execution Code (AIN)</td>
<td>3.1.00</td>
<td>ZAIN031</td>
</tr>
<tr>
<td>Option value migration</td>
<td>1.5.00</td>
<td>ZZIO150</td>
</tr>
<tr>
<td>SAS/C Resident Library</td>
<td>7.1.00</td>
<td>ASAR71C</td>
</tr>
<tr>
<td>User Interface Middleware Common Services (USC)</td>
<td>5.3.00</td>
<td>ZUSC053</td>
</tr>
</tbody>
</table>

The preceding table contains the FMIDs for Log Master only. During installation, view one of the following generated JCL members to see a list of FMIDs for all of the products that you are installing:

- Express installation (JES2): $B90SMPE
- Express installation (JES3): $B91SMPE
- Custom installation: $B76APLF

To search the file, search on the word *FMID*. 
Maintenance

After you install Log Master, 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 your installation guide.

**NOTE**
Before applying maintenance, ensure that you have completed the appropriate jobs (based on your installation method) to set up your maintenance environment, as follows:

- Custom installation: $B78ACPF and $B83ACCP
- Express installation (JES2): $B90SMPE
- Express installation (JES3): $B90SMPE and $B91SMPE

PUT maintenance schedule

BMC did not deliver first-quarter 2011 PUT maintenance (PUT1101A). Instead, BMC will deliver that maintenance as part of the second-quarter cumulative maintenance in PUT1101B. For information about the PUT delivery schedule, see http://www.bmc.com/support/put-availability-schedule.html.

In the interim, you can use the new BMC Internet Service Retrieval (ISR) feature to identify and apply fixes to all products that you installed via the Installation System. BMC ISR simplifies ordering and retrieving service updates, either on demand or through your scheduler. You can use BMC ISR to inventory your target zones and generate a single request, or schedule a request on a recurring basis to retrieve maintenance updates. For more information, see the maintenance section of your installation guide.

**NOTE**
If you prefer, you can continue to use eFix PTF Distribution Services to obtain fixes on demand.
Support status

BMC supports the following versions of Log Master:

<table>
<thead>
<tr>
<th>Version</th>
<th>Level of support</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1.00</td>
<td>full</td>
</tr>
<tr>
<td>9.2.00</td>
<td>full</td>
</tr>
<tr>
<td>9.1.00</td>
<td>limited</td>
</tr>
<tr>
<td>8.1.00</td>
<td>none</td>
</tr>
</tbody>
</table>

For more information about the latest support policies, see the Customer Support website at [http://www.bmc.com/support](http://www.bmc.com/support).

Product documentation

BMC provides a documentation CD in product shipments and offers a link to the CD image on the EPD page of the Customer Support website. Individual product documents (books and notices) are also available on the website. You can order hardcopy documentation from your BMC sales representative or from the website. You can also subscribe to proactive alerts to receive e-mail messages when notices are issued or updated.

Customer support

If you have problems with or questions about a BMC product, see the Customer Support website at [http://www.bmc.com/support](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 800 537 1813. Outside the United States or Canada, contact your local BMC office or agent.