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 BMC System Performance for DB2 solution.

This solution includes the following components:

- MainView for DB2
- Pool Advisor for DB2
- OPERTUNE for DB2
- CATALOG MANAGER for DB2 Browse

**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:
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 Quick Course Demo Library in the Contents pane on the left.

System Performance for DB2

These topics describe the changes or new features in this release of BMC System Performance for DB2.

**DB2 Version 11 support**

With the PTFs for each component applied, System Performance now supports the IBM DB2 Version 11 system.

**End of support for DB2 Version 8**

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

**Improvements in trace logging**

System Performance uses the Next Generation Logger (NGL), which includes the following enhancements.
Support for IBM MVS system symbolics

In your DOMPLEX option set, you can now use MVS system symbolics when specifying data set names or prefixes for log files or archives. For example, you can specify MVS system symbolics such as &SYSNAME or &HHMMSS to represent the environment at the time the file is created.

The following fields of NGL LOGSET parameters now support MVS system symbolics:

- LDS DSN prefix
- Alternate full Archive DSN
- Archive DSN prefix

Support for logger compression options

Logger compression is now performed at the buffer level, which is generally more effective than compression at the record level. When you are specifying NGL options, a new setting in your DOMPLEX option set lets you control compression. In your DOMPLEX option set, when specifying NGL options, there is a new setting to control this compression. The default setting of LOW compression offers an optimal mix of space savings and CPU usage; you can also specify HIGH for more space savings at a higher CPU cost, or NO to disable compression.

Support for zIIP processing

The NGL server now supports using the IBM System z® Integrated Information Processor (zIIP). You can use the compression option to offload work to zIIP.

Support for archive wait time

The DOMPLEX option set now includes a new field called Archive wait time. This field lets you specify the maximum number of seconds to wait for an archive to finish before marking the log file eligible for reuse.

NGL maintenance

BMCMSGLG DD is now dynamically allocated to the DBC started task and contains a complete list of maintenance for the NGL/NGR agents. NGL and NGR maintenance now also appears in the Maintenance option from the Administration menu in BMC performance products.
**Updated DB2 Product Configuration (LGC) technology**

This release includes version 10.1 of the DB2 Product Configuration technology (also called LGC). Using the enhanced LGC, you can:

- Browse (via line command B) option sets in the ISPF client
- Rename option sets online and in batch
- Set default section values in your DOMPLEX option sets (Data Collector List, DB2 Monitor List, and Output Groups)

The defaults are automatically populated for each section that you create.

- Migrate option sets to a new version, and update the values (or a subset of values) in the option set
- Explicitly register and deregister the default DBC

This enhancement moves the default functionality from the `<register><dbc>` and `<deregister><dbc>` commands to the new `<register><defaultdbc>` and `<deregister><defaultdbc>` commands.

**NOTE**

DBC registration and registering a DBC default group name are now separate activities. This enhancement deprecates the default = "yes" attribute on the `<dbc>` element. Use the new element `<defaultdbc>` with a DBC group name, instead. An example follows:

```
<register><defaultdbc>dbcGroupName</defaultdbc></register>
```

Replace `dbcGroupName` with the DBC group name that you want to register.

**Support for LGC section defaults**

You can now set default section values in your DOMPLEX option sets. The default values are used to initialize option values in each section that is created. Also, if you subsequently update the default values, you can apply the updates to existing instances, at your discretion.

You can set default section values for:

- Data Collector List
- DB2 Monitor List
- Output Groups
New console commands

This release includes the following new console commands:

- **DOM,STOP** dynamically stops the DOM agent (BMC DB2 Online Monitor Common Infrastructure agent), which stops data collection. You can also use the alias DOMSTOP.

- **DOM,START** starts the DOM agent, which starts data collection based on values that are set in the associated DOMPLEX option set. You can also use the alias DOMSTART.

- **DOM,REFRESH** issues a DOM,STOP followed by a DOM,START to refresh the DOM agent. You can also use the alias DOMREFRESH.

- **STATUS** provides the status of output groups and, depending on the specified parameters, can also list statistics for all output groups or a particular output group.

For more information, see the *System and SQL Performance Administrator guide*.

The NGL agent defines the following NGL commands at initialization time:

- **NGL,STOP,piid** stops the NGL agent that is using the specified Product Instance Identification (PIID). The PIID must match a <PIID> value coded in the product definition for an NGL agent.

  **NOTE**

  BMC recommends that you stop the DOM agent before issuing this command.

- **NGL,START,piid** starts the NGL agent for the specified PIID.

- **NGL,DUMP,piid** produces a dump for the NGL agent for the specified PIID.

- **NGL, REFRESH,piid** issues an NGL, STOP followed by an NGL, START for the specified PIID.

For more information, see the *BMC Global Infrastructure Administration Guide*.

Migrating access path statistics for 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 (SSIDs) and distributed data facility (DDF) locations for the migrate operation.
Common Explain enhancements

This release contains the following 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**

- 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.

- BMC System Performance 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>Number of index keys from the SYSIBM.SYSKEYS table</td>
</tr>
<tr>
<td></td>
<td>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</td>
</tr>
<tr>
<td></td>
<td>Names of the matching key columns</td>
</tr>
<tr>
<td>IXSCANPAGES</td>
<td>Sum of columns NLEAF and NLEVELS from SYSIBM.SYSINDEXES minus 1</td>
</tr>
<tr>
<td></td>
<td>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</td>
</tr>
<tr>
<td></td>
<td>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</td>
</tr>
<tr>
<td></td>
<td>Number of leaf pages in the index</td>
</tr>
<tr>
<td>NLEAFN</td>
<td>String equivalent of NLEAF</td>
</tr>
<tr>
<td>OBJECT</td>
<td>Type of object that supplied the variables for the current invocation of the rules engine</td>
</tr>
<tr>
<td></td>
<td>OBJECT = “PLAN”, ”PACKAGE”, ”STMT”, ”EXPLAIN”, ”SQLTEXT”, ”TABLE”</td>
</tr>
<tr>
<td>VERSION</td>
<td>Column from the SYSIBM.SYSPACKAGE table</td>
</tr>
</tbody>
</table>
MainView for DB2

These topics describe the changes or new features in this release of MainView for DB2.

DB2 Version 11 support

With PTFs BPD3944 and BPU6127 applied, MainView for DB2 now supports the IBM DB2 Version 11 system.

NOTE
For BPD3944, manually update the BBINJT00 PARMLIB member in the UBBPARM data set to define a DB2 Version 11 subsystem, as follows:

TARGET=ssid, TYPE=DB2,
RELEASE=1110

You can optionally specify the ALIAS keyword.

End of support for DB2 Version 8

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

DB2 Health Navigator and Short-Term Statistics

A new set of MainView Explorer configurations provides access to consolidated key health and performance metrics by DB2 functional area. These considerations are designed to simplify quick health checks of one or more target DB2 subsystems. This health summary information is coordinated with graphic dashboards and extensive hyperlinks to allow direct access to the most relevant data for further problem analysis when needed. 3270-mode views are also available.

Short-term one-minute statistics

The key health and performance metrics are based on a subset of the most important statistics, collected at one-minute intervals for improved granularity. This history data is kept in an additional set of MainView Interval Recorder history logs; this data does not impact the standard statistics collection (default of 15 minutes) or the corresponding ST* views.

Short Term Statistics data is always written to a new second instance of the interval recorder. A second set of DD statements is required in the PAS JCL to identify these history data sets. For more information about allocating and initializing HST1DSxx data sets, see the MainView Customization Reference.
Health gauge summary exception counts per product functional area

Health gauge exception counts, organized by DB2 functional areas (such as buffer pools and logging), summarize DB2 health status at one glance. These new counts are created by evaluating and summarizing the number of warning or critical exception conditions detected in the key metric values collected at each interval sample. Many of the exceptions are based on IBM DB2 Best Practices ratio calculations that adjust automatically to workload volume.

DB2 analysis at any level through the MainView Explorer navigation tree

You can quickly check the status of multiple DB2 subsystems at one time in SSI mode: for example, you can use the context ALL, or any user-defined set of related DB2 subsystems, such as production or development. Additional SSI nodes are available for data sharing analysis at the group level, or by viewing all of the group members. All data sharing groups are now automatically defined as contexts.

To focus on a single DB2 subsystem, you can view that subsystem's area health status and a DB2 overview dashboard. Alternatively, you can directly access each area dashboard for detailed analysis of a specific area of interest, such as storage, buffer pools, or thread activity.

Consolidated exception and dashboard analysis

When an exception gauge indicates a problem in an area, a quick hyperlink provides a view of all exceptions for that area, showing each key value versus its thresholds. The exceptions are highlighted in red (critical), yellow (warning), or green (OK). You can see the current exceptions, and other metrics that are currently green but may be approaching their thresholds, together in one place.

MainView Explorer dashboard configurations allow a quick focus on the status of each of the functional areas, by offering:

- A time-based history chart of area activity
- Graphic gauges of key exception values (also with links to history values)
- A compact dashboard view that highlights exceptions and includes additional key elements for clarification

Hyperlinks provide quick access to related useful information in different MainView for DB2 applications—without requiring navigation through multiple paths to find each one. Other hyperlinks simplify access to historical values for comparisons over time.
Exception threshold management

The product provides default definitions for exception element thresholds and saves them for updating in a separate MainView for DB2 dynamic threshold set. The separate threshold set allows simple centralized online customization. The interval history data includes the thresholds in effect at that time, the measured values, and the number of exceptions.

DB2 analysis in 3270 mode

You can also access the major health-related views from several 3270 easy menus, with hyperlinks to the detailed dashboards:

- SSI DB2 health overview from EZDSSI or EZDBA
- SSI data sharing group health dashboard from EZDSHAR
- DB2 health dashboard from EZDB2

New SSI contexts for grouping data sharing members

You can now use product-defined dynamic contexts to group data sharing member targets by their data sharing group name. The product address space (PAS) defines these contexts internally for active data sharing targets. The contexts are maintained for the life of the associated coordinating address space (CAS).

To use these contexts, specify CONTEXT DSG:dsgroup, where dsgroup is the data sharing group name.

New views

This release adds new views in the following categories:

- Trace Package
- Monitor Profile
- Utilities Status
- Stored Procedures Status
- Remote Location Statistics
- Static SQL Cache statistics

Trace Package views

A new set of Trace Package views provide detailed and summary formatting of the Package Accounting (IFCID 239) data found in CDC and history (TLDS) traces. Extensive totaling is provided as well, including averages, minimums, maximums, and totals on a per event, per execution, and per thread basis.
You cannot invoke Trace Package from the command line; launch points are as follows:

- **TRSTRAC Summary Trace view**

  You can access packages for a given thread via a new hyperlink to Trace Package.

- **Thread Intervals views (HTIQZ etc.)**

  New hyperlinks provide access to packages for a given interval (1, 5, and 15 minutes). For TLDS only, a new hyperlink provides access to all of the packages in the trace log.

- **Thread Query**

  You can now use Thread Query to query packages, and this release provides new package-only qualifiers.

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**NOTE**

The new hyperlinks for the Thread Intervals views and the Thread Query have replaced the hyperlink for the Type field in the HTLOGS view.

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**Monitor Profile views**

A new set of Monitor Profile views provides access to monitor profile statistics (IFCID 402). Monitor profile statistics track the number of times profile thresholds are exceeded by remotely initiated DB2 connections. You can launch Monitor Profile from the command line (PRFZ, PRFLIST) or from the DDF menu (EZDDF).

**Utilities Status views**

A new set of Utilities Status views provides access to information about DB2 utilities as provided by the DB2 -DISPLAY UTILITY command. A START action lets you start a stopped utility. You can launch Utilities Status from the command line (UTLZ, UTLLIST) or the Pageset/Object menu (EZDPS). View UTLZ provides a convenient hyperlink to Restricted Objects for quickly displaying objects that have a restricted utility access mode (for example, UTRO). Also, Restricted Objects view OBJZ now has a hyperlink to UTLZ quickly displaying utility utilities status.

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**NOTE**

This release adds a sample MainView Alarm Management definition that supports this functionality. For more information, see the *MainView for DB2 User Guide*. [10]
**Stored Procedures Status views**

A new set of Stored Procedures Status views provides access to information about stored procedures as provided by the DB2 -DISPLAY PROCEDURE command. `<A>ctivate, `<Q>ueue, and `<R>eject actions let you start and stop stored procedures. You can launch Stored Procedures Status can be launched from the command line (SPROCZ, SPROCLST) or the Pageset/Object menu (EZDPS).

**NOTE**

This release adds a sample MainView Alarm Management definition that supports this functionality. For more information, see the *MainView for DB2 User Guide*.

**Remote Location Statistics views**

A new set of views provides information about remote locations. You can access these views from the DDF Menu (EZDDF) or the DB2 Statistics menu (EZDSTAT).

**Static SQL Cache statistics views**

A new set of views provides information about the Static SQL Cache. You can access these views from the EZSCACHE or EZDSTAT menus, which are accessible from the EZDBA and EZDB2 easy menus. You can set filters via a dialog panel to select and restrict the amount of data displayed.

**Full-screen options**

The following full-screen options on the Primary Option menu are functionally stabilized for version 11.1 of MainView for DB2. BMC plans to remove these options from the next MainView for DB2 release and to replace them with the following windows-mode options:

<table>
<thead>
<tr>
<th>Option</th>
<th>Replaced by</th>
</tr>
</thead>
<tbody>
<tr>
<td>1- Status</td>
<td>STDB2D</td>
</tr>
<tr>
<td>3- Monitors</td>
<td>Monitor Admin</td>
</tr>
<tr>
<td></td>
<td>Hyperlinks on the EZDB2 and EZDBA menus</td>
</tr>
<tr>
<td>4- Traces</td>
<td>Trace Admin</td>
</tr>
<tr>
<td></td>
<td>Hyperlinks on the EZDB2 and EZDBA menus</td>
</tr>
<tr>
<td>5- History Traces</td>
<td>Trace Admin</td>
</tr>
<tr>
<td></td>
<td>Hyperlinks on the EZDB2 and EZDBA menus</td>
</tr>
</tbody>
</table>

**New DTRAC events**

The trace facility now reports new event types. For each new type, an associated pop-up view provides additional details about the event.
Within DTRAC, the following new event types are available:

<table>
<thead>
<tr>
<th>New event type</th>
<th>Information provided</th>
<th>Derived from</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRLL-INDX</td>
<td>Index Inserts with Parallelism</td>
<td>IFCID 357 and 358</td>
</tr>
<tr>
<td>INDX-SPLIT</td>
<td>Index Splits</td>
<td>IFCID 359</td>
</tr>
<tr>
<td>INCR-REBIND</td>
<td>Incrementally Rebound Queries</td>
<td>IFCID 360</td>
</tr>
<tr>
<td>PRLL-STRAW</td>
<td>Straw Model for Workload Distribution</td>
<td>IFCID 363</td>
</tr>
</tbody>
</table>

**Performance Reporter**

Two new Performance Reporter tables, DMRAUADM and DMRAUTR, provide audit administrative authorities data from IFCID 361. To extract SMF data to load into these tables, the DPRDSMF program supports the following new DPRCNTL DD statement parameter TYPE3 specifications: AUDATH and AUDTRC. For more information about these tables, see the MainView for DB2 Performance Reporter User Guide.

**DB2 Analytics Accelerator Accounting Data**

This release adds product-wide support for displaying the IBM DB2 Analytics Accelerator accounting data contained in IFCID 3, IFCID 239, and IFCID 148 for DB2 Version 9.1 and DB2 Version 10.1. This includes the IFCID 3 Accelerator Services Accounting Block (QWAC), and the IFCID 3 and IFCID 239 accounting data contained in the QWAC. The following components now display DB2 Analytics Accelerator accounting data:

- Detail User Status (DUSER)
- Summary Trace (STRAC)
- Detail Trace (DTRAC)
- Trace Statistics (TSTAT)
- Trace Batch Print (DZTBPRNT)
- Thread Intervals (HTIQZ)—TLDS only
- Thread Query (XTQUERY)—TLDS only
- TraceLTRAC (TRLTRAC)
- BBI2Strac (TRSTRAC)
- TracePackage (PKGZ)
At a later date, a planned BMC PTF will add support for MainView for DB2 Data Collector in Thread Intervals and Thread Query

**DOBJ view update**

The DOBJ view now specifies the average CPU time in DB2 workload response time objectives.

The following new fields appear in the DOBJ view:

- **Avg CPU** summarizes the average response and CPU times by the workloads in the defined application or composite workloads.
- **Obj Met** indicates whether the response time objectives are being met. It can also be used in Threshold Advisor.

The new fields also appear in the following workload objective views:

- DOBJR - real-time objectives
- DOBJS - session objectives
- DOBJZ - 0 interval summary by workloads

The new view, DOBJAPZ, includes the **Avg CPU** field. In the Add DB2 Workload Definition dialog box and the Change DB2 Workload Definition dialog box, the **In DB2 time only** field governs the type of workload monitor, and the type of CPU time that is accumulated by it. A value of Y starts the @ELTD monitor; and a value of N starts the @ELTM monitor, which includes the CPU time in DB2.

**Security resource definitions**

This release adds the following resource definitions to MainView for DB2:

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*NOTE*

This information is also available in the *MainView Security Reference Manual.*
<table>
<thead>
<tr>
<th>Resource name in SERDEF view</th>
<th>Resource definition and considerations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location Stats - Table Data</td>
<td>Can you access the remote locations table data?</td>
</tr>
<tr>
<td></td>
<td><strong>Default entity name:</strong> BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.OD</td>
</tr>
<tr>
<td></td>
<td><strong>Entity name after substitution:</strong> BBM.MVDB2.targetID.PS200.OD</td>
</tr>
<tr>
<td>Monitor Profile - Table Data</td>
<td>Can you access the table data in the Monitor Profile views?</td>
</tr>
<tr>
<td></td>
<td><strong>Default entity name:</strong> BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.OD</td>
</tr>
<tr>
<td></td>
<td><strong>Entity name after substitution:</strong> BBM.MVDB2.targetID.PN100.OD</td>
</tr>
<tr>
<td>Short Term Statistics - Table Data</td>
<td>Can you access Short Term Statistics table data?</td>
</tr>
<tr>
<td></td>
<td><strong>Default entity name:</strong> BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.OD</td>
</tr>
<tr>
<td></td>
<td><strong>Entity name after substitution:</strong> BBM.MVDB2.targetID.PS400.OD</td>
</tr>
<tr>
<td>Static SQL Cache - Table Data</td>
<td>Can you access Static SQL Cache table data?</td>
</tr>
<tr>
<td></td>
<td><strong>Default entity name:</strong> BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.OD</td>
</tr>
<tr>
<td></td>
<td><strong>Entity name after substitution:</strong> BBM.MVDB2.targetID.PD400.OD</td>
</tr>
<tr>
<td>Static SQL Cache - Any Action</td>
<td>Can you enter any actions for the Static SQL Cache table data</td>
</tr>
<tr>
<td></td>
<td><strong>Default entity name:</strong> BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.AO</td>
</tr>
<tr>
<td></td>
<td><strong>Entity name after substitution:</strong> BBM.MVDB2.targetID.PD400.AO</td>
</tr>
<tr>
<td>Static SQL Cache Stmts - Table Data</td>
<td>Can you access the SQL Cache Statement Text table data?</td>
</tr>
<tr>
<td></td>
<td><strong>Default entity name:</strong> BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.OD</td>
</tr>
<tr>
<td></td>
<td><strong>Entity name after substitution:</strong> BBM.MVDB2.targetID.PD500.OD</td>
</tr>
<tr>
<td>Stored Procedures - Table Data</td>
<td>Can you access the Stored Procedures views table data?</td>
</tr>
<tr>
<td></td>
<td><strong>Default entity name:</strong> BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.OD</td>
</tr>
<tr>
<td></td>
<td><strong>Entity name after substitution:</strong> BBM.MVDB2.targetID.PY200.OD</td>
</tr>
<tr>
<td>Stored Procedures - Any Action</td>
<td>Can you enter the <code>&lt;A&gt;ctivate, </code>&lt;Q&gt;ueue, or `&lt;R&gt;eject action commands on the Stored Procedures views?</td>
</tr>
<tr>
<td></td>
<td><strong>Default entity name:</strong> BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.AO</td>
</tr>
<tr>
<td></td>
<td><strong>Entity name after substitution:</strong> BBM.MVDB2.targetID.PY200.AO</td>
</tr>
</tbody>
</table>
Pool Advisor for DB2

These topics describe the changes or new features in this release of Pool Advisor for DB2.

**DB2 Version 11 support**

With the following PTFs applied, Pool Advisor now supports the IBM DB2 Version 11 system:

- BPU6121
- BPU6127
- BPU6229
- BPU6356

**End of support for DB2 Version 8**

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

<table>
<thead>
<tr>
<th>Resource name in SERDEF view</th>
<th>Resource definition and considerations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trace Package - Table Data</td>
<td>Can you access the Trace Package views table data?</td>
</tr>
<tr>
<td><strong>Default entity name:</strong></td>
<td>BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.OD</td>
</tr>
<tr>
<td><strong>Entity name after substitution:</strong></td>
<td>BBM.MVDB2.targetID.PG100.OD</td>
</tr>
<tr>
<td>Utilities - Table Data</td>
<td>Can you access the Utilities views table data?</td>
</tr>
<tr>
<td><strong>Default entity name:</strong></td>
<td>BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.OD</td>
</tr>
<tr>
<td><strong>Entity name after substitution:</strong></td>
<td>BBM.MVDB2.targetID.PY100.OD</td>
</tr>
<tr>
<td>Utilities - Any Action</td>
<td>Can you enter the &lt;T&gt;erminate action command on the Utilities views?</td>
</tr>
<tr>
<td><strong>Default entity name:</strong></td>
<td>BBM.&amp;PRODUCT.&amp;CONTEXT.&amp;INTTABLE.AO</td>
</tr>
<tr>
<td><strong>Entity name after substitution:</strong></td>
<td>BBM.MVDB2.targetID.PY100.AO</td>
</tr>
</tbody>
</table>
OPERTUNE for DB2

These topics describe the changes or new features in this release of OPERTUNE for DB2.

DB2 Version 11 support

With PTF BPU6183 applied, OPERTUNE now supports the IBM DB2 Version 11 system.

End of support for DB2 Version 8

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

CATALOG MANAGER for DB2 Browse

These topics describe the changes or new features in this release of CATALOG MANAGER for DB2 Browse.

DB2 support

CATALOG MANAGER for DB2 Browse supports or tolerates various features of the IBM DB2 Universal Database for z/OS system.

DB2 Version 11

With PTF BPU6205 applied, CATALOG MANAGER for DB2 Browse now supports the following features of the IBM DB2 Version 11 system:

- Indexes that exclude NULL keys
- Archive-enabled tables
- User-defined global variables

DB2 security

Using DSNZPAPMs, DB2 security provides more granular control over access to DB2 catalog data and user data.
End of support for DB2 8, DB2 9 CM, and DB2 10 CM8

Starting with this release, CATALOG MANAGER for DB2 Browse does not support IBM DB2 Version 8. Earlier releases will continue to support Version 8.

Future releases of CATALOG MANAGER for DB2 Browse 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 is not saved. However, you can save the option set by using the new command for resetting POF variables.

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 product options file (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
Upgrade considerations

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.

Upgrade considerations

A known issue causes historical data from version 10.1 to be inaccessible after you install version 11.1. BMC plans to issue a notice when the fix is available.

Installation


NOTE

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

System Performance 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.

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.
Maintenance requirements

After you install System Performance, perform the following steps:

1. Apply all of the maintenance on the SMP/E service file for the products and components that you installed by using either the Custom or Express installation method.

2. Download the following additional, required PTFs from eFix PTF Distribution Services (eFix) and apply the PTFs before you run Customization:
   - BPA1393
   - BPJ0419
   - BPU3483

   To access or eFix PTF Distribution Services, go to [http://apps.bmc.com/support/efix.cgi](http://apps.bmc.com/support/efix.cgi).

3. After customization, obtain additional maintenance by using either eFix or BMC Internet Service Retrieval (ISR).

Installation changes

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

FMID and version information

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

- Version 2.3.60 or later of the Installation System
- Version 2.3.60 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>FMID</th>
<th>Product</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASAR71C</td>
<td>SAS/C Resident Library</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>BKGAD41</td>
<td>Dynamic Area Manager</td>
<td>3.2.01</td>
</tr>
<tr>
<td>ZACSB10</td>
<td>CATALOG MANAGER for DB2 API</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZACTB10</td>
<td>CATALOG MANAGER for DB2 Browse</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 (AIN)</td>
<td>3.1.00</td>
</tr>
<tr>
<td>ZASHB10</td>
<td>Common Admin Code</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZBBA220</td>
<td>Product Customization</td>
<td>2.2.00</td>
</tr>
<tr>
<td>ZBD2B10</td>
<td>MainView for DB2 Data Collector</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZDASB10</td>
<td>DB2 Assist Services (DAS)</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZDB2B10</td>
<td>DB2 Component Services (DBC)</td>
<td>10.1.01</td>
</tr>
<tr>
<td>ZDDTB10</td>
<td>OPERTUNE for DB2</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZDIG190</td>
<td>Dignus C runtimes and C++ objects</td>
<td>10.1.00</td>
</tr>
<tr>
<td>ZDOMB10</td>
<td>Common Infrastructure (DAA)</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZLGAB10</td>
<td>DB2 Product Configuration</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZMRE100</td>
<td>Rules Engine</td>
<td>10.00</td>
</tr>
<tr>
<td>ZNGLA20</td>
<td>Next Generation Logger (NGL)</td>
<td>10.2.00</td>
</tr>
<tr>
<td>ZOSZ120</td>
<td>RTCS kernel</td>
<td>1.2.00</td>
</tr>
<tr>
<td>LOSZ120</td>
<td>Runtime Component System (RTCS) C Library</td>
<td>1.2.00</td>
</tr>
<tr>
<td>ZPMDB10</td>
<td>Pool Advisor for DB2</td>
<td>11.1.00</td>
</tr>
<tr>
<td>ZPSSB10</td>
<td>Common Explain (PSS)</td>
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<td>ZSCCB10</td>
<td>DB2 Solution Common Code (SCC)</td>
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</tr>
<tr>
<td>ZUSC540</td>
<td>User Interface Middleware Common Services (USC)</td>
<td>5.4.00</td>
</tr>
<tr>
<td>ZZIO150</td>
<td>DB2 Option Carryover</td>
<td>1.5.00</td>
</tr>
</tbody>
</table>

The preceding table contains the FMIDs for BMC System Performance for DB2 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 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 BMC System Performance 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 via the Installation System. For more information, see the Installation System User Guide.

**NOTE**

Before applying maintenance, ensure that you have completed the JCL job $B76APLF 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

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 800 537 1813. Outside the United States or Canada, contact your local BMC office or agent.