BMC is releasing version 11.2 of the MainView for DB2 product.

MainView for DB2 is available as a stand-alone product and as a component of the BMC MainView for DB2 Management 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.

The following topics are discussed:

*What's new* ................................................................................................................................. 2

  Pageset statistics control ........................................................................................................... 2

  IBM DB2 Analytics Accelerator for z/OS enhancements ......................................................... 2

  Dynamic Trace facility .............................................................................................................. 4

  Updates to the Thread Query panel ......................................................................................... 4

  New views .................................................................................................................................. 4

  New DTRAC events .................................................................................................................... 5

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  Update to the STRAC package overview .................................................................................. 6

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*461368*
What's new

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

Pageset statistics control

A new parameter and commands enable you to control pageset processing at BBI-SS PAS initialization, or on-the-fly.

By specifying PAGESET=NO in the DMRBEXxx member, you can disable pageset processing at BBI-SS PAS initialization. Possible values for PAGESET are YES and NO.

Alternatively, if the BBI-SS PAS is already running, you can start and stop processing on-the-fly by using the STOPPS, STARTPS, and SHOWPS commands from any MainView for DB2 view.

For more information, view the Quick Course "Monitoring DB2 page sets."

IBM DB2 Analytics Accelerator for z/OS enhancements

This release adds the following enhancements for the IBM DB2 Analytics Accelerator for z/OS product.
New DB2 Analytics Accelerator for z/OS views

The following new views support the IBM DB2 Analytics Accelerator for z/OS product.

- **AASTATS**
  This view summarizes accelerator statistics.

- **Accelerator thread (ACCxxxx)**
  These views show summary and detail information for Accelerator threads.

- **DDFConn (DDFFxxxxx)**
  These views leverage the Accelerator thread views to indicate whether threads shown on the DDF views are accelerated.

- **THDACCEL**
  This view displays only threads that are accelerated.

- **DDFSERVZ**
  This new view complements the existing DDFPRODZ view. DDFPRODZ summarizes DDF threads by client product, and DDFSERVZ summarizes by server product.

Support for Accelerator modeling accounting information

The following functions now show Accelerator modeling accounting information:

- Thread Intervals
- Trace LTRAC
- Thread query
- TRSTRAC/STRAC
- TSTAT
- Batch print
- Users (THDACTV and THDDETL)

DB2 Analytics Accelerator for z/OS monitoring on THDACTV

The THDACTV view now supports DB2 Analytics Accelerator for z/OS monitoring. On THDACTV, you can now view the elapsed time of a thread that is running in the Analytics Accelerator, and set alerts that identify long running threads.
Dynamic Trace facility

The Dynamic Trace facility allows you to trace DB2 instrumentation facility component identifiers (IFCIDs) by category or by individual IFCID.

With this facility, you can:

- Start and stop dynamic traces
- Display details about a selected dynamic trace
- Display the filter qualifiers that were specified for a trace
- Display the number of records collected for each IFCID
- Request a RECTRACE report

For more information, view the Quick Course "Dynamic Trace Facility."

Updates to the Thread Query panel

This release removes the Value filters – TLDS only section of the Thread Query panel.

The following trace log data set (TLDS) filters now appear in the Value Filters – all sources section of the panel:

- Lock Suspends
- Local and Global
- Insrt/Upd/Del/Mrg/Trunc SQL Statements
- DML SQL Statements
- DDL SQL Statements
- Total Elapsed
- Total CPU
- Total Class 3 Wait
- zIIP in-DB2 CPU

New views

The following new views are available for MainView for DB2:

4 Release notes May 6, 2015


- **PASPARM**
  
The PASPARM views provide administrative functions for managing PAS parameters. You can access the PASPARM views in windows mode via the EZDB2 and EZDBA menus.

- **LSRCNTSH - Lock Resource Contention Short**
  
  This view shows resources for existing lock holders, and the threads that are waiting to access them.
  
  In a data sharing environment, you can view this data in SSI mode to see all waiters for a given lock, regardless of which DB2 system they are on.

### 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>ACCEL-CALL*</td>
<td>Accelerator call</td>
<td>IFCIDs 378 and 381</td>
</tr>
<tr>
<td>ASYNC-GBP*</td>
<td>Asynchronous group buffer pool</td>
<td>IFCID 329</td>
</tr>
<tr>
<td>MAXTMP-LIM*</td>
<td>Maxtemps limit</td>
<td>IFCID 343</td>
</tr>
<tr>
<td>NONEST-STMT*</td>
<td>Non-nested external function detail</td>
<td>IFCIDs 497 and 499</td>
</tr>
<tr>
<td>PRL-SUSP</td>
<td>Parallel task suspended</td>
<td>IFCIDs 382 and 383</td>
</tr>
<tr>
<td>UDF-STMT*</td>
<td>User-defined function detail</td>
<td>IFCIDs 498 and 499</td>
</tr>
</tbody>
</table>

**Note**

PRLL-SUSP is not currently supported. BMC plans to provide support for this event via a future PTF.

### DTRAC host variable support

The following data types now support decimal format:

- **DATE**
- **TIME**
- **TIMESTAMP**
- **NUL-TERMINATED GRAPHIC**
- **BLOB**
The following data types now support hexadecimal format:

- BLOB LOCATOR
- CLOB LOCATOR
- DBCLOB LOCATOR
- RESULT SET LOCATOR
- TABLE LOCATOR

**Update to the STRAC package overview**

The STRAC package overview now includes Total CPU, which equals the combined TCB CPU time and zIIP CPU time.

**Accounting fields exploitation**

This release exploits the following accounting fields, which IBM DB2 11.1 introduced:

- Autonomous Procedures
  Significant additions to the thread and package accounting views, including new wait event/time fields

- Parallel Query Synchronization
  Significant additions to the thread and package accounting views, including new wait event/time fields

- CREATE VARIABLE and DROP VARIABLE
  Additional thread-level SQL counts

- Parallel group
  New thread-level metric fields
Sparse Index
New thread-level metric fields

Longer values for DB2 trace selection criteria

You can now specify longer values when specifying DB2 trace selection criteria.

When starting a trace, you can limit the volume of data that MainView for DB2 processes by qualifying the trace request with selection criteria keywords. Extended fields on the DB2 Trace Selection Criteria dialog now allow you to specify longer values.

For more information about restrictions for specifying trace selection criteria, see the MainView for DB2 User Guide.

New Data Collector reports

The following new reports are available from the MainView for DB2 Data Collector:

<table>
<thead>
<tr>
<th>Report type</th>
<th>Report name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>BACCTSR</td>
<td>Accounting summary short</td>
</tr>
<tr>
<td></td>
<td>BACCTSRD</td>
<td>Accounting summary load</td>
</tr>
<tr>
<td></td>
<td>BACCTSRI</td>
<td>Accounting summary interval</td>
</tr>
<tr>
<td></td>
<td>BACCTSRP</td>
<td>Accounting summary package</td>
</tr>
<tr>
<td></td>
<td>BACCTSRX</td>
<td>Accounting summary exceptions</td>
</tr>
<tr>
<td>I/O activity</td>
<td>BIOSUMBP</td>
<td>I/O summary detail Buffer Pool report by DB2 and interval</td>
</tr>
<tr>
<td></td>
<td>BIOSUMED</td>
<td>I/O summary detail EDM Pool report by DB2 and interval</td>
</tr>
<tr>
<td></td>
<td>BIOSUMLG</td>
<td>I/O summary detail Active Log report by DB2 and interval</td>
</tr>
<tr>
<td></td>
<td>BIOSUMAR</td>
<td>I/O summary detail Archive Log report by DB2 and interval</td>
</tr>
<tr>
<td></td>
<td>BIOSUMBS</td>
<td>I/O summary detail BSDS report by DB2 and interval</td>
</tr>
<tr>
<td></td>
<td>BIOSUMXI</td>
<td>I/O summary detail Cross Invalidation Activity report by DB2 and interval</td>
</tr>
<tr>
<td></td>
<td>BIOSUM</td>
<td>I/O summary report by DB2</td>
</tr>
</tbody>
</table>
New Performance Reporter performance data tables

The Performance Reporter includes the following new performance data tables in this release of MainView for DB2:

- Statistics Accelerator detail and summary table (DMRSXxxx)
- Accounting Accelerator detail and summary tables (DMRAXxxx)

New operands for selecting accelerator data types

The new TYPE4=ACCS and TYPE4=ACCA operands allow you to select the type of accelerator data that you want to appear in a report.

For more information, see the MainView for DB2 Performance Reporter User Guide.
New control statement for selecting specific IFCIDs

The new IFCID control statement enables you to select specific IFCIDs or a range of IFCIDs to be included in Data Collector reports.

Replacement of full-screen options

This release replaces the following full-screen options on the Primary Option menu with the specified 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 a</td>
</tr>
<tr>
<td>4 - Traces</td>
<td>Trace Admin a</td>
</tr>
<tr>
<td>5 - History Traces</td>
<td>Trace Admin a</td>
</tr>
</tbody>
</table>

a This option hyperlinks on the EZDB2 and EZDBA menus.

Note

These options are functionally stabilized for version 11.1 of MainView for DB2.

The full screen trace services remain available. You can access the trace full screen analyzer services in one of the following ways:

- From the Current Traces (CT) view:

  1. Select a MainView for DB2 trace entry.
  2. On HTIQZ, click BB12 LTRAC-MV.

- From the HTLOGS view:
  Hyperlink on a trace data set.

- From the TRSTRAC view:
  Click Detail Trace in the fixed section of the TRSTRAC view.

To access the IBM CICS full-screen services, hyperlink on CICS/DB2 connections on the EZDTHD menu.
End of support for DB2 Version 9

Starting with this release, MainView for DB2 11.2 does not support Version 9 of the IBM DB2 database management system. Earlier releases of MainView for DB2 will continue to support Version 9.

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.

### Product compatibility

The Solution and Product Availability and Compatibility (SPAC) tool queries a database that provides platform availability and compatibility data for BMC products.

For the latest SPAC information, click the SPAC link from a BMC product support page on the Support Central website at [http://www.bmc.com/support](http://www.bmc.com/support).

MainView *for DB2* 11.2.00 is distributed with the following components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>CATALOG MANAGER for DB2 Browse</td>
<td>11.2.00</td>
</tr>
<tr>
<td>MainView for DB2 - Data Collector</td>
<td>11.2.00</td>
</tr>
</tbody>
</table>

The MainView *for DB2* - Data Collector component version 11.2.00 is compatible with the following BMC products:

<table>
<thead>
<tr>
<th>Product</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPTUNE for DB2</td>
<td>11.2.00</td>
</tr>
<tr>
<td>BMC System Performance for DB2</td>
<td>11.2.00</td>
</tr>
<tr>
<td>OPERTUNE for DB2</td>
<td>11.2.00</td>
</tr>
<tr>
<td>Pool Advisor for DB2</td>
<td>11.2.00</td>
</tr>
<tr>
<td>SQL Explorer for DB2</td>
<td>11.2.00</td>
</tr>
<tr>
<td>SQL Performance for DB2</td>
<td>11.2.00</td>
</tr>
</tbody>
</table>

### 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, 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.

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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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MainView for DB2 is installed by using the Installation System. This section contains installation information that supplements or supersedes the information in the Installation System documentation.

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**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.

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**Update considerations**

MainView for DB2 is packaged with MainView Infrastructure 6.1. You can customize MainView for DB2 by using MainView Customization, or manually as described in the MainView Customization Reference.

Short Term Statistics in MainView for DB2 require a second set of DD statements in the PAS JCL. These DD statements are created during MainView Customization, or you can create them manually as described in the MainView Customization Reference.
FMID and version information

This release of MainView for DB2 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</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>ASAR71D</td>
<td>SAS_C V71</td>
<td>7.1</td>
</tr>
<tr>
<td>BBACM20</td>
<td>COMMON release elements</td>
<td>2.0</td>
</tr>
<tr>
<td>BBASC70</td>
<td>SAS_C V70B</td>
<td>7.0</td>
</tr>
<tr>
<td>BBBBX16</td>
<td>BBX Subsystem Services</td>
<td>1.6</td>
</tr>
<tr>
<td>BBGAD41</td>
<td>DYNAMIC AREA MANAGER</td>
<td>4.1</td>
</tr>
<tr>
<td>BBIIS25</td>
<td>BBQ Interval Services</td>
<td>2.5</td>
</tr>
<tr>
<td>BBISS26</td>
<td>BBI SUBSYSTEM</td>
<td>2.6</td>
</tr>
<tr>
<td>BBLBQ11</td>
<td>MainView VP Common Code</td>
<td>1.1</td>
</tr>
<tr>
<td>BBTTC11</td>
<td>MainView TCP/IP Interface</td>
<td>1.1</td>
</tr>
<tr>
<td>BBYZX33</td>
<td>BASE TECHNOLOGY STUBS</td>
<td>3.3</td>
</tr>
<tr>
<td>LOSZ120</td>
<td>RTCS C Library</td>
<td>2.0</td>
</tr>
<tr>
<td>LSCR50I</td>
<td>SAS_C V5</td>
<td>5.0</td>
</tr>
<tr>
<td>ZACSB20</td>
<td>Common SQL (ACS)</td>
<td>11.2</td>
</tr>
<tr>
<td>ZACTB20</td>
<td>CATALOG MANAGER for DB2</td>
<td>11.2</td>
</tr>
<tr>
<td>ZAXEB20</td>
<td>Execution for DB2</td>
<td>11.2</td>
</tr>
<tr>
<td>ZAIN031</td>
<td>Install Execution Code</td>
<td>3.1</td>
</tr>
<tr>
<td>ZAMVB20</td>
<td>MainView APPTUNE</td>
<td>11.2</td>
</tr>
<tr>
<td>ZASHB20</td>
<td>Common Admin Code</td>
<td>11.2</td>
</tr>
<tr>
<td>ZBBA220</td>
<td>Product Customization</td>
<td>2.2</td>
</tr>
<tr>
<td>ZBBM610</td>
<td>MainView Infrastructure</td>
<td>6.1</td>
</tr>
<tr>
<td>ZBDSB2B</td>
<td>MainView for DB2 - Windows Mode</td>
<td>11.2</td>
</tr>
<tr>
<td>ZBDSB2P</td>
<td>MainView for DB2 - PR(Batch)</td>
<td>11.2</td>
</tr>
<tr>
<td>ZBDSB2S</td>
<td>MainView for DB2 - Monitors</td>
<td>11.2</td>
</tr>
<tr>
<td>FMID</td>
<td>Product</td>
<td>Version</td>
</tr>
<tr>
<td>----------</td>
<td>----------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>ZBDSB2Z</td>
<td>MainView for DB2 - Analyzer Services</td>
<td>11.2</td>
</tr>
<tr>
<td>ZBDSB20</td>
<td>MainView for DB2 - Release Level</td>
<td>11.2</td>
</tr>
<tr>
<td>ZBD2B20</td>
<td>MVDB2-data collector component</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>ZDASB20</td>
<td>DB2 Assist component</td>
<td>11.2</td>
</tr>
<tr>
<td>ZDBC1A0</td>
<td>DB2 Component Services</td>
<td>10.1</td>
</tr>
<tr>
<td>ZD1G190</td>
<td>Dignus C runtimes and c++ objects</td>
<td>1.9</td>
</tr>
<tr>
<td>ZDOMB20</td>
<td>Common Infrastructure component</td>
<td>11.2</td>
</tr>
<tr>
<td>ZDZS17C</td>
<td>Discovery for z/OS Data Collector</td>
<td>1.7</td>
</tr>
<tr>
<td>ZIMZ74M</td>
<td>Integration Manager for z/OS</td>
<td>7.4</td>
</tr>
<tr>
<td>ZIMZ740</td>
<td>IMZ Release FMID</td>
<td>7.4</td>
</tr>
<tr>
<td>ZLGCA10</td>
<td>DB2 Product Configuration</td>
<td>10.1</td>
</tr>
<tr>
<td>ZMCV100</td>
<td>Customization Generation</td>
<td>1.0</td>
</tr>
<tr>
<td>ZMRE110</td>
<td>Rules Engine &quot;&quot;c&quot;&quot; Code</td>
<td>1.1</td>
</tr>
<tr>
<td>ZNGLA20</td>
<td>NGL Common Code</td>
<td>10.2</td>
</tr>
<tr>
<td>ZOSZ120</td>
<td>RTCS Kernel</td>
<td>2.0</td>
</tr>
<tr>
<td>ZPSB20</td>
<td>SQL Explorer</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 Common Code</td>
<td>11.1</td>
</tr>
<tr>
<td>ZUIM540</td>
<td>UIM User Interface Middleware</td>
<td>5.4</td>
</tr>
<tr>
<td>ZUSC054</td>
<td>UIM Common Services</td>
<td>5.4</td>
</tr>
<tr>
<td>ZUWS540</td>
<td>UIM Web Services</td>
<td>5.4</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 MainView for DB2 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

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